

**ПРОТЯЖКИ С НАВЕРТНЫМ ХВОСТОВИКОМ ДЛЯ  
ШЛИЦЕВЫХ ОТВЕРСТИЙ С ЭВОЛЬВЕНТНЫМ ПРОФИЛЕМ  
ДИАМЕТРОМ ОТ 55 ДО 130 ММ, МОДУЛЕМ ОТ 3 ДО 5 ММ С  
ЦЕНТРИРОВАНИЕМ ПО НАРУЖНОМУ ДИАМЕТРУ  
КОМБИНИРОВАННЫЕ ДВУХПРОХОДНЫЕ**

**ГОСТ Р  
50038—92**

**Конструкция**

Combined broaches with diameter from 55 to 130 mm for slitting holes  
with involute profile with wind round tail and centring at outside diameter  
with modul from 3 to 5 mm. Construction

ОКП 39 2340

Дата введения 01.01.93

Настоящий стандарт распространяется на комбинированные двухпроходные протяжки универсального назначения с навертным хвостовиком диаметром  $D$  от 55 до 130 мм, модулем  $m$  от 3 до 5 мм, предназначенные для обработки шлицевых втулок с эвольвентным профилем по ГОСТ 6033 с центрированием по наружному диаметру.

Требования стандарта являются обязательными, кроме требований для справок и рекомендуемых, указанных в чертежах.

1. Конструкция и общие размеры протяжек 1-го прохода должны соответствовать указанным на черт. 1 и в табл. 1;

координаты профиля и контрольные размеры по роликам — табл. 3;

диаметры зубьев — табл. 4;

протяжек 2-го прохода, указанным на черт. 2 и соответственно в табл. 5, 7, 8.

Размеры навертного хвостовика — по ГОСТ 28048.

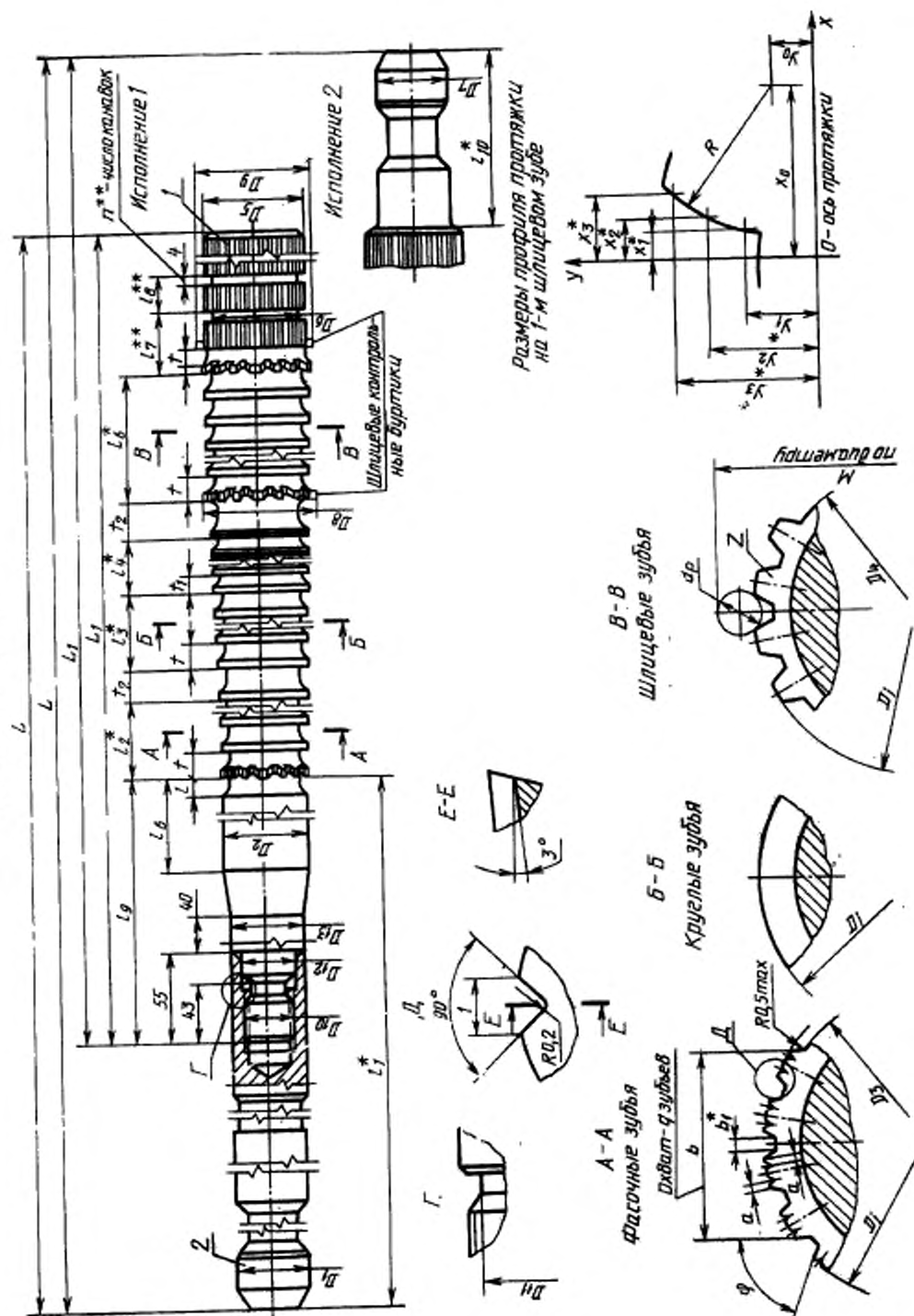
Изготовление навертного хвостовика производят по взаимной договоренности потребителя с изготовителем.

Допускается по требованию заказчика корректировать размер  $M$  (табл. 7) и диаметры чистовых и калибрующих зубьев (табл. 8).

2. Обозначение деталей протяжек 1-го прохода должно соответствовать указанным в табл. 2, 2-го прохода — табл. 6.

3. Размеры протягиваемого отверстия и усилие протягивания должны соответствовать указанным на черт. 3 и в табл. 9.

## Протяжки 1-го прохода



\* Размеры для справки.

•• Размеры и параметр — рекомендуемые.



Продолжение табл. 1

Размеры, мм

| Обозначение<br>прокладки исполнения |  | Зубья червячные и переклад-<br>ные и шлицевые катанбур-<br>ные |  |  |  |  |  |  |  |  |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | Зубья<br>катушки<br>и<br>катанбур-<br>ные |  | 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Продолжение табл. 1

Размеры, мм

| Обозначение<br>прокатки исполнения | Прокат |   | D×m     | z  | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | D <sub>4</sub> | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | D <sub>8</sub> | D <sub>9</sub> | D <sub>10</sub> | D <sub>11</sub> | D <sub>12</sub> | L для исполнения |   |   | l <sub>1</sub> |
|------------------------------------|--------|---|---------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|------------------|---|---|----------------|
|                                    | 1      | 2 |         |    |                |                |                |                |                |                |                |                |                |                 |                 |                 | 1                | 2 | 3 |                |
| 2403-3696                          | —      | — | 120×3,5 | 34 | 112,4          | 112,1          | 112,4          | 118,9          | 110            | 119,2          | —              | —              | —              | —               | —               | —               | 1300             | — | — | 12,0 485       |
| 2403-3699                          | —      | — | 130×3,5 | 36 | 122,4          | 122,1          | 122,4          | 129,0          | 120            | 130,4          | 130,0          | —              | —              | —               | —               | —               | —                | — | — | 11,0 475       |
| 2403-3703                          | —      | — | 60×4    | 13 | 51,4           | 51,1           | 51,2           | 58,9           | 49             | 58,3           | —              | —              | —              | —               | —               | —               | 1500             | — | — | 9,5 400        |
| 2403-3706                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | —                | — | — | 11,0 420       |
| 2403-3709                          | —      | — | 65×4    | 15 | 56,4           | 56,1           | 56,2           | 63,9           | 54             | 64,6           | —              | —              | —              | —               | —               | —               | 1500             | — | — | 9,5 400        |
| 2403-3713                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | —                | — | — | 11,0 420       |
| 2403-3716                          | —      | — | 70×4    | 16 | 61,4           | 61,1           | 61,2           | 68,9           | 59             | 69,3           | —              | —              | —              | —               | —               | —               | 1500             | — | — | 9,5 390        |
| 2403-3719                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1600             | — | — | 11,0 435       |
| 2403-3723                          | —      | — | 75×4    | 17 | 66,4           | 66,1           | 66,2           | 73,9           | 64             | 74,2           | —              | —              | —              | —               | —               | —               | 1515             | — | — | 9,5 415        |
| 2403-3726                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1615             | — | — | 11,0 440       |
| 2403-3729                          | —      | — | 80×4    | 18 | 71,4           | 71,1           | 71,2           | 78,9           | 69             | 79,0           | —              | —              | —              | —               | —               | —               | 1515             | — | — | 9,5 415        |
| 2403-3733                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1615             | — | — | 11,0 440       |
| 2403-3736                          | —      | — | 85×4    | 20 | 76,4           | 76,1           | 76,2           | 83,9           | 74             | 85,2           | —              | —              | —              | —               | —               | —               | 1540             | — | — | 9,5 435        |
| 2403-3739                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1590             | — | — | 12,0 455       |
| 2403-3743                          | —      | — | 90×4    | 21 | 81,4           | 81,1           | 81,2           | 88,9           | 79             | 90,0           | —              | —              | —              | —               | —               | —               | 1540             | — | — | 9,5 435        |
| 2403-3746                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1590             | — | — | 12,0 455       |
| 2403-3749                          | —      | — | 95×4    | 22 | 86,4           | 86,1           | 86,2           | 93,9           | 81             | 94,6           | —              | —              | —              | —               | —               | —               | 1540             | — | — | 9,5 435        |
| 2403-3753                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1590             | — | — | 12,0 455       |
| 2403-3756                          | —      | — | 100×4   | 24 | 91,4           | 91,1           | 91,2           | 98,9           | 89             | 100,6          | 100,2          | —              | —              | —               | —               | —               | 1540             | — | — | 9,5 435        |
| 2403-3759                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1540             | — | — | 12,0 455       |
| 2403-3763                          | —      | — | 105×4   | 25 | 96,4           | 96,1           | 96,2           | 103,9          | 94             | 106,4          | 106,0          | —              | —              | —               | —               | —               | 1540             | — | — | 9,5 435        |
| 2403-3766                          | —      | — | —       | —  | —              | —              | —              | —              | —              | —              | —              | —              | —              | —               | —               | —               | 1540             | — | — | 12,0 455       |

Продолжение табл. 1

Размеры, мм

| Обозначение<br>профиля исполнения | 1 | 2 | t <sub>1</sub> | t <sub>2</sub> | t <sub>3</sub> | t <sub>4</sub> | t <sub>5</sub> | t <sub>6</sub> | t <sub>7</sub> | t <sub>8</sub> | t <sub>9</sub> | Зубья червячные и переточенные и шлифованные на зубчатых колесах |    |                  | Зубья<br>круглые<br>чистовые и<br>шлифованные |                | f <sub>1</sub> | b<br>(пред.<br>откл.<br>-0,04) | b <sub>1</sub> | φ<br>(прод.<br>откл.<br>±1°) | q       | f<br>для<br>использования |       | a     | f <sub>11</sub> |     |    |
|-----------------------------------|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------------------------------------------|----|------------------|-----------------------------------------------|----------------|----------------|--------------------------------|----------------|------------------------------|---------|---------------------------|-------|-------|-----------------|-----|----|
|                                   |   |   |                |                |                |                |                |                |                |                |                | Число зубьев<br>и шаг                                            | f  | Номер<br>профиля | t <sub>1</sub>                                | t <sub>2</sub> |                |                                |                |                              |         | 1                         | 2     |       |                 |     |    |
|                                   |   |   |                |                |                |                |                |                |                |                |                |                                                                  |    |                  |                                               |                |                |                                |                |                              |         |                           |       |       |                 |     |    |
| 2403-3696                         | — | — | 216            | 72             | 52             | 594            | 95             | 30             | 12             | 245            | 13             | 34                                                               | 18 | 12               | 13                                            | 18             | 13             | 18                             | 81,39          | 2,07                         | 96°18'  | 9                         | 0,325 | —     | 5               | 24  |    |
| 2403-3699                         | — | — | 224            | 64             | 624            | 80             | 29             | 13             | 13             | 235            | 15             | 40                                                               | 16 | 11               | —                                             | 16             | 11             | 16                             | 92,29          | 1,83                         | 100°00' | 10                        | —     | —     | 4               | 28  |    |
| 2403-3703                         | — | — | 168            | 56             | 616            | 70             | 25             | —              | —              | 225            | —              | —                                                                | —  | —                | —                                             | 14             | 10             | 14                             | 40,72          | 2,20                         | 110°46' | 4                         | —     | 0,331 | 3               | 31  |    |
| 2403-3706                         | — | — | 192            | 64             | 704            | 80             | 27             | 11             | —              | 220            | 13             | 45                                                               | 16 | 11               | —                                             | 16             | 11             | 16                             | —              | —                            | —       | —                         | 0,331 | —     | 4               | —   |    |
| 2403-3709                         | — | — | 168            | 56             | 616            | 70             | 25             | —              | —              | 225            | —              | —                                                                | —  | —                | —                                             | 14             | 10             | 14                             | 39,95          | 2,48                         | 96°00'  | 4                         | —     | 0,331 | 2               | 25  |    |
| 2403-3713                         | — | — | 208            | 64             | 704            | 80             | 29             | 13             | 13             | 220            | 14             | —                                                                | 16 | 11               | —                                             | 16             | 11             | 16                             | —              | —                            | —       | —                         | 0,338 | —     | 4               | 26  |    |
| 2403-3716                         | — | — | 168            | 56             | 630            | 70             | 24             | 10             | 10             | 215            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | 49,64          | —                            | —       | —                         | —     | 0,331 | 3               | 27  |    |
| 2403-3719                         | — | — | 224            | 64             | 720            | 80             | 30             | 14             | 14             | 235            | 15             | —                                                                | 16 | 11               | —                                             | 16             | 11             | 16                             | —              | —                            | —       | —                         | 0,350 | —     | 4               | 29  |    |
| 2403-3723                         | — | — | 168            | 56             | 616            | 70             | 25             | 11             | 11             | 200            | —              | —                                                                | 14 | 10               | —                                             | 14             | 10             | 14                             | —              | —                            | —       | —                         | —     | 0,325 | 3               | 125 |    |
| 2403-3726                         | — | — | 204            | 68             | 748            | 90             | 29             | 12             | 12             | 225            | —              | —                                                                | 17 | 11               | —                                             | 17             | 11             | 17                             | 51,32          | 1,95                         | 105°52' | 5                         | 0,350 | —     | 4               | 27  |    |
| 2403-3729                         | — | — | 168            | 56             | 616            | 70             | 25             | 11             | 11             | 200            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | 52,78          | 2,50                         | 100°00' | —                         | —     | 0,325 | 3               | 125 |    |
| 2403-3733                         | — | — | 204            | 68             | 748            | 90             | 29             | 12             | 12             | 225            | —              | —                                                                | 17 | 11               | —                                             | 17             | 11             | 17                             | —              | —                            | —       | —                         | 0,350 | —     | 4               | —   |    |
| 2403-3736                         | — | — | 168            | 56             | 616            | 70             | 27             | 13             | 13             | 195            | —              | —                                                                | 14 | 10               | —                                             | 14             | 10             | 14                             | —              | —                            | —       | —                         | —     | 0,325 | 3               | 25  |    |
| 2403-3739                         | — | — | 198            | 72             | 702            | 95             | 30             | 12             | 12             | 215            | 12             | 40                                                               | 18 | 12               | 13                                            | 18             | 12             | 18                             | 60,27          | 2,09                         | 108°00' | —                         | 0,338 | —     | 4               | 23  |    |
| 2403-3743                         | — | — | 168            | 56             | 616            | 70             | 27             | 13             | 13             | 195            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | 61,92          | 2,27                         | 102°52' | 6                         | —     | 0,325 | 3               | 26  |    |
| 2403-3746                         | — | — | 198            | 72             | 702            | 95             | 30             | 12             | 12             | 215            | 12             | 40                                                               | 18 | 12               | 13                                            | 18             | 12             | 18                             | —              | —                            | —       | —                         | 0,338 | —     | 4               | 24  |    |
| 2403-3749                         | — | — | 168            | 56             | 616            | 70             | 27             | 13             | 13             | 195            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | 63,39          | 2,46                         | 98°10'  | —                         | —     | 0,325 | 3               | 26  |    |
| 2403-3753                         | — | — | 198            | 72             | 702            | 95             | 30             | 12             | 12             | 215            | 12             | 40                                                               | 18 | 12               | 13                                            | 18             | 12             | 18                             | 70,68          | 2,22                         | 105°00' | 7                         | —     | 0,325 | 3               | 25  |    |
| 2403-3756                         | — | — | 168            | 56             | 616            | 70             | 27             | —              | —              | 195            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | —              | —                            | —       | —                         | —     | —     | —               | 4   | 22 |
| 2403-3759                         | — | — | 180            | 72             | 666            | 90             | 31             | 13             | 13             | 215            | 11             | 38                                                               | 18 | 12               | 13                                            | 18             | 12             | 18                             | 72,50          | 2,32                         | 100°48' | —                         | —     | —     | 3               | 26  |    |
| 2403-3763                         | — | — | 168            | 56             | 616            | 70             | 27             | —              | —              | 195            | 13             | 45                                                               | 14 | 10               | —                                             | 14             | 10             | 14                             | —              | —                            | —       | —                         | —     | 0,325 | 3               | 125 |    |
| 2403-3766                         | — | — | 180            | 72             | 666            | 90             | 31             | —              | —              | 215            | 11             | 38                                                               | 18 | 12               | 13                                            | 18             | 12             | 18                             | —              | —                            | —       | —                         | 0,325 | —     | 4               | 23  |    |

Продолжение табл. 1

Размеры, мм

| Обозначение<br>протектор и исполнения | Примечание |   | D, мм | z  | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> ,<br>до<br>базы | D <sub>4</sub> ,<br>до<br>базы | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | D <sub>8</sub> | D <sub>9</sub> | D <sub>10</sub> | D <sub>11</sub> | D <sub>12</sub> | D <sub>13</sub> | L<br>для<br>использования |      | L <sub>1</sub><br>для<br>использования |   | t    | t <sub>1</sub> |
|---------------------------------------|------------|---|-------|----|----------------|----------------|--------------------------------|--------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|---------------------------|------|----------------------------------------|---|------|----------------|
|                                       | 1          | 2 |       |    |                |                |                                |                                |                |                |                |                |                |                 |                 |                 |                 | 1                         | 2    | 1                                      | 2 |      |                |
| —                                     | 2403-3769  | — | 110×4 | 26 | 63             | 101,4          | 101,1                          | 101,2                          | 108,9          | 99             | 63             | 110,2          | 110,0          | —               | —               | —               | —               | 1540                      | —    | 1300                                   | — | 9,5  | 425            |
| 2403-3773                             | —          | — | —     | —  | —              | —              | —                              | —                              | —              | —              | —              | —              | —              | —               | —               | —               | —               | 1515                      | —    | 1275                                   | — | 12,0 | 440            |
| —                                     | 2403-3776  | — | 120×4 | 28 | —              | 111,4          | 111,1                          | 111,2                          | 118,9          | 109            | 63             | 119,8          | —              | —               | —               | —               | —               | 1540                      | —    | 1300                                   | — | 9,5  | 435            |
| 2403-3779                             | —          | — | —     | —  | 70             | —              | —                              | —                              | —              | —              | 63             | —              | —              | —               | —               | —               | —               | 1540                      | —    | 1300                                   | — | 12,0 | 465            |
| —                                     | 2403-3783  | — | 130×4 | 31 | —              | 121,4          | 121,1                          | 121,2                          | 128,9          | 119            | —              | 130,5          | 130,2          | —               | —               | —               | —               | 1540                      | —    | 1300                                   | — | 9,5  | 435            |
| 2403-3786                             | —          | — | —     | —  | —              | —              | —                              | —                              | —              | —              | —              | —              | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | 455            |
| 2403-3789                             | —          | — | 70×5  | 12 | 50             | 59,4           | 59,0                           | 59,0                           | 68,7           | 57             | —              | 68,4           | —              | —               | —               | —               | —               | 1575                      | —    | —                                      | — | —    | 410            |
| 2403-3793                             | —          | — | 75×5  | 13 | —              | 64,4           | 64,0                           | 64,0                           | 73,6           | 62             | —              | 73,7           | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3796                             | —          | — | 80×5  | 14 | —              | 69,4           | 69,0                           | 69,0                           | 78,6           | 67             | —              | 79,0           | —              | —               | —               | —               | —               | 1630                      | —    | 1375                                   | — | 11,0 | 425            |
| —                                     | 2403-3799  | — | 85×5  | 15 | —              | 74,4           | 74,0                           | 74,0                           | 83,8           | 72             | —              | 84,2           | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3803                             | —          | — | 90×5  | 16 | —              | 79,4           | 79,0                           | 79,0                           | 88,8           | 77             | —              | 89,3           | —              | —               | —               | —               | —               | 1615                      | —    | —                                      | — | —    | 440            |
| 2403-3806                             | —          | — | 95×5  | —  | 63             | 84,4           | 84,0                           | 84,0                           | 93,8           | 82             | —              | 93,4           | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3809                             | —          | — | 100×5 | 18 | —              | 89,4           | 89,0                           | 89,0                           | 98,6           | 87             | —              | 99,7           | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3813                             | —          | — | 105×5 | —  | —              | 94,4           | 94,0                           | 94,0                           | 103,6          | 92             | —              | 103,5          | —              | —               | —               | —               | —               | 70                        | 1515 | 1275                                   | — | 9,5  | 415            |
| 2403-3816                             | —          | — | 110×5 | 20 | —              | 99,4           | 99,0                           | 99,0                           | 108,6          | 97             | —              | 109,5          | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3819                             | —          | — | 120×5 | 22 | —              | 109,4          | 109,0                          | 109,0                          | 118,6          | 107            | —              | 120,0          | —              | —               | —               | —               | —               | —                         | —    | —                                      | — | —    | —              |
| 2403-3823                             | —          | — | 130×5 | 24 | 70             | 119,4          | 119,0                          | 119,0                          | 128,6          | 117            | —              | 129,7          | —              | —               | —               | —               | —               | 1540                      | —    | 1300                                   | — | —    | 440            |

Продолжение табл. 1

| Обозначение<br>проточки исполнения |           | Размеры, мм                                          |                       |    |                       |                                     |                |                |                |                                             |                              |                |                | С<br>для<br>исполнения |                | a              | i               | I <sub>0</sub>  |
|------------------------------------|-----------|------------------------------------------------------|-----------------------|----|-----------------------|-------------------------------------|----------------|----------------|----------------|---------------------------------------------|------------------------------|----------------|----------------|------------------------|----------------|----------------|-----------------|-----------------|
|                                    |           | Зубья срезные и переход-<br>ные и шлицевые на зубьях |                       |    |                       | Зубья<br>крупные<br>калорую-<br>щие |                |                |                | b <sub>1</sub><br>(пред.<br>откл.<br>-0,01) | φ<br>(пред.<br>откл.<br>+1°) | q              | 1              | 2                      |                |                |                 |                 |
|                                    |           | Число зубьев                                         |                       | f  | Номер<br>профи-<br>ли | t <sub>1</sub>                      | t <sub>2</sub> | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub>                              | L <sub>4</sub>               | L <sub>5</sub> | L <sub>6</sub> | L <sub>7</sub>         | L <sub>8</sub> | L <sub>9</sub> | L <sub>10</sub> | L <sub>11</sub> |
| 1                                  | 2         | двух-<br>шлице-<br>вые                               | одн-<br>шлице-<br>вые |    |                       |                                     |                |                |                |                                             |                              |                |                |                        |                |                |                 |                 |
| —                                  | 2403-3769 | 168                                                  | 56                    | 44 | 574                   | 70                                  | 28             | 14             | 10             | 11                                          | 17                           | 7              | —              | 0,325                  | —              | 26             | 175             | —               |
| 2403-3773                          | —         | 198                                                  | 72                    | 52 | 648                   | 80                                  | 32             | 14             | 10             | 13                                          | 18                           | 7              | 0,319          | —                      | —              | 24             | —               | —               |
| —                                  | 2403-3776 | 154                                                  | 56                    | 44 | 588                   | 70                                  | 24             | 10             | 10             | 11                                          | 17                           | —              | —              | 0,325                  | —              | 26             | 175             | —               |
| 2403-3779                          | —         | 180                                                  | 72                    | 52 | 666                   | 80                                  | 32             | 14             | 10             | 13                                          | 18                           | 8              | 0,325          | —                      | —              | 24             | —               | —               |
| —                                  | 2403-3783 | 168                                                  | 56                    | 44 | 574                   | 70                                  | 24             | 10             | 10             | 11                                          | 17                           | —              | —              | 0,325                  | —              | 26             | 175             | —               |
| 2403-3786                          | —         | 204                                                  | 68                    | —  | 663                   | 75                                  | 31             | 14             | 10             | 11                                          | 17                           | —              | —              | 0,325                  | —              | 26             | 175             | —               |
| 2403-3789                          | —         | 192                                                  | —                     | —  | 768                   | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | —              | —               | —               |
| 2403-3793                          | —         | —                                                    | —                     | —  | —                     | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | —              | —               | —               |
| 2403-3796                          | —         | 208                                                  | 64                    | —  | 752                   | —                                   | —              | 12             | 11             | —                                           | 16                           | 4              | 0,344          | —                      | —              | 42             | —               | —               |
| 2403-3799                          | —         | —                                                    | —                     | —  | —                     | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | —              | —               | —               |
| 2403-3803                          | —         | 192                                                  | —                     | 46 | 768                   | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | 41             | —               | —               |
| 2403-3806                          | —         | 208                                                  | —                     | —  | 752                   | 70                                  | 28             | —              | —              | —                                           | —                            | 5              | —              | —                      | —              | 39             | —               | —               |
| 2403-3809                          | —         | 182                                                  | —                     | —  | 728                   | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | 3,0            | —               | —               |
| 2403-3813                          | —         | —                                                    | —                     | —  | —                     | —                                   | —              | —              | —              | —                                           | —                            | —              | —              | —                      | —              | —              | —               | —               |
| 2403-3816                          | —         | 168                                                  | 56                    | —  | 742                   | —                                   | —              | 14             | 10             | —                                           | 17                           | —              | 0,319          | —                      | —              | 41             | —               | —               |
| 2403-3819                          | —         | 182                                                  | —                     | —  | 728                   | —                                   | —              | —              | —              | —                                           | —                            | 6              | —              | —                      | —              | 44             | —               | —               |
| 2403-3823                          | —         | 168                                                  | —                     | —  | 742                   | —                                   | —              | —              | —              | —                                           | —                            | 7              | 0,325          | —                      | —              | 43             | —               | —               |

Пример условного обозначения проточки длиной  $L=1540$  мм для шлицевого эвольвентного отверстия диаметром 130 мм, модулем 5 мм с центрированием по наружному диаметру, группы заточки II, исполнения I, 1-го прохода:

Проточка 2403-3823 II ГОСТ Р 50038—92

Таблица 2

Таблица

| Обозначение проточки<br>исполнения |           | D × t<br>мм | Поз. 1                       |             | Поз. 2                |
|------------------------------------|-----------|-------------|------------------------------|-------------|-----------------------|
|                                    |           |             | Проточка исполнения (кол. 1) |             | Хвостовик<br>(кол. 1) |
|                                    |           |             | 2                            | 2           |                       |
| 1                                  | 2         | Обозначение |                              |             |                       |
| —                                  | 2403-3569 | 70×3        | —                            | 2403-3569/1 | 2403-2245/2           |
| —                                  | 2403-3573 | 75×3        | —                            | 2403-3573/1 |                       |
| 2403-3576                          | 2403-3579 | 80×3        | 2403-3576/1                  | 2403-3579/1 | 2403-2263/2           |
| 2403-3583                          | 2403-3586 | 85×3        | 2403-3583/1                  | 2403-3586/1 |                       |
| 2403-3589                          | 2403-3593 | 90×3        | 2403-3589/1                  | 2403-3593/1 |                       |
| 2403-3596                          | 2403-3599 | 95×3        | 2403-3596/1                  | 2403-3599/1 |                       |
| 2403-3603                          | 2403-3606 | 100×3       | 2403-3603/1                  | 2403-3606/1 |                       |
| 2403-3609                          | 2403-3613 | 105×3       | 2403-3609/1                  | 2403-3613/1 |                       |
| 2403-3616                          | —         | 110×3       | 2403-3616/1                  | —           |                       |
| 2403-3619                          | —         | 120×3       | 2403-3619/1                  | —           | 2403-2476/2           |
| 2403-3623                          | —         | 130×3       | 2403-3623/1                  | —           |                       |
| 2403-3626                          | 2403-3629 | 55×3,5      | 2403-3626/1                  | 2403-3629/1 | 2403-2205/2           |
| 2403-3633                          | 2403-3636 | 60×3,5      | 2403-3633/1                  | 2403-3636/1 | 2403-2223/2           |
| 2403-3639                          | 2403-3643 | 65×3,5      | 2403-3639/1                  | 2403-3643/1 |                       |
| 2403-3646                          | 2403-3649 | 70×3,5      | 2403-3646/1                  | 2403-3649/1 |                       |
| 2403-3653                          | 2403-3656 | 75×3,5      | 2403-3653/1                  | 2403-3656/1 | 2403-2245/2           |
| 2403-3659                          | 2403-3663 | 80×3,5      | 2403-3659/1                  | 2403-3663/1 |                       |
| 2403-3666                          | 2403-3669 | 85×3,5      | 2403-3666/1                  | 2403-3669/1 | 2403-2263/2           |
| 2403-3673                          | 2403-3676 | 90×3,5      | 2403-3673/1                  | 2403-3676/1 |                       |
| 2403-3679                          | 2403-3683 | 95×3,5      | 2403-3679/1                  | 2403-3683/1 |                       |
| 2403-3686                          | —         | 100×3,5     | 2403-3686/1                  | —           | 2403-2263/2           |
| 2403-3689                          | —         | 105×3,5     | 2403-3689/1                  | —           |                       |
| 2403-3693                          | —         | 110×3,5     | 2403-3693/1                  | —           |                       |
| 2403-3696                          | —         | 120×3,5     | 2403-3696/1                  | —           | 2403-2476/2           |
| 2403-3699                          | —         | 130×3,5     | 2403-3699/1                  | —           |                       |
| —                                  | 2403-3703 | 60×4        | —                            | 2403-3703/1 | 2403-2218/2           |
| 2403-3706                          | —         |             | 2403-3706/1                  | —           | 2403-2223/2           |
| —                                  | 2403-3709 | 65×4        | —                            | 2403-3709/1 | 2403-2218/2           |
| 2403-3713                          | —         |             | 2403-3713/1                  | —           | 2403-2223/2           |
| —                                  | 2403-3716 | 70×4        | —                            | 2403-3716/1 | 2403-2218/2           |
| 2403-3719                          | —         |             | 2403-3719/1                  | —           | 2403-2223/2           |
| —                                  | 2403-3723 | 75×4        | —                            | 2403-3723/1 | 2403-2245/2           |
| 2403-3726                          | —         |             | 2403-3726/1                  | —           |                       |
| —                                  | 2403-3729 | 80×4        | —                            | 2403-3729/1 |                       |
| 2403-3733                          | —         |             | 2403-3733/1                  | —           |                       |
| —                                  | 2403-3736 | 85×4        | —                            | 2403-3736/1 | 2403-2263/2           |
| 2403-3739                          | —         |             | 2403-3739/1                  | —           |                       |
| —                                  | 2403-3743 | 90×4        | —                            | 2403-3743/1 |                       |
| 2403-3746                          | —         |             | 2403-3746/1                  | —           |                       |

Продолжение табл. 2

| Обозначение протектора исполнения |           | D×B<br>мм   | Поз. 1                        |             | Поз. 2                |             |
|-----------------------------------|-----------|-------------|-------------------------------|-------------|-----------------------|-------------|
|                                   |           |             | Протектор исполнения (кол. 1) |             | Хвостовик<br>(кол. 1) |             |
|                                   |           |             | 1                             | 2           |                       |             |
| 1                                 | 2         | Обозначение |                               |             |                       |             |
| —                                 | 2403-3749 | 95×4        | —                             | 2403-3749/1 | 2403-2263/2           |             |
| 2403-3753                         | —         | 100×4       | 2403-3753/1                   | —           |                       |             |
| —                                 | 2403-3766 |             | —                             | 2403-3756/1 |                       |             |
| 2403-3759                         | —         |             | 2403-3759/1                   | —           |                       |             |
| —                                 | 2403-3763 | 105×4       | —                             | 2403-3763/1 |                       |             |
| 2403-3766                         | —         | 110×4       | 2403-3766/1                   | —           |                       |             |
| —                                 | 2403-3769 |             | —                             | 2403-3769/1 |                       |             |
| 2403-3773                         | —         |             | 2403-3773/1                   | —           |                       |             |
| —                                 | 2403-3776 | 120×4       | —                             | 2403-3776/1 | 2403-2476/2           |             |
| 2403-3779                         | —         | 130×4       | 2403-3779/1                   | —           |                       |             |
| —                                 | 2403-3783 |             | —                             | 2403-3783/1 |                       |             |
| 2403-3786                         | —         |             | 2403-3786/1                   | —           |                       |             |
| 2403-3789                         | —         | 70×5        | 2403-3789/1                   | —           |                       | 2403-2223/2 |
| 2403-3793                         | —         | 75×5        | 2403-3793/1                   | —           |                       | 2403-2245/2 |
| 2403-3796                         | —         | 80×5        | 2403-3796/1                   | —           | 2403-2263/2           |             |
| 2403-3799                         | —         | 85×5        | 2403-3799/1                   | —           |                       |             |
| 2403-3803                         | —         | 90×6        | 2403-3803/1                   | —           |                       |             |
| 2403-3806                         | —         | 95×5        | 2403-3806/1                   | —           |                       |             |
| 2403-3809                         | —         | 100×5       | 2403-3809/1                   | —           |                       |             |
| 2403-3813                         | —         | 105×5       | 2403-3813/1                   | —           |                       |             |
| 2403-3816                         | —         | 110×5       | 2403-3816/1                   | —           | 2403-2476/2           |             |
| 2403-3819                         | —         | 120×5       | 2403-3819/1                   | —           |                       |             |
| 2403-3823                         | —         | 130×5       | 2403-3823/1                   | —           |                       |             |



Таблица 3

Размеры, мм

| Обозначение<br>протяжки | D×L    | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>4</sub> | y <sub>4</sub> | R      | d <sub>p</sub> | M                                            |                                            |                                          |
|-------------------------|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----------------------------------------------|--------------------------------------------|------------------------------------------|
|                         |        |                |                |                |                |                |                |                |                |        |                | на перед-<br>нем конт-<br>рольном<br>буртике | на послед-<br>нем калиб-<br>рующем<br>зубе | на заднем<br>контроль-<br>ном<br>буртике |
| 2403-3569               | 70×3   | 2,118          | 2,890          | 3,701          | 32,392         | 33,592         | 34,670         | 18,030         | 23,006         | 18,475 | 7,000          | 78,134                                       | 77,864                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 82,675                                       | 82,405                                     | —                                        |
| 2403-3573               | 75×3   | 2,104          | 2,829          | 3,593          | 34,876         | 36,083         | 37,170         | 18,782         | 25,684         | 19,043 | 7,000          | 83,303                                       | 83,033                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 87,932                                       | 87,662                                     | —                                        |
| 2403-3576<br>2403-3579  | 80×3   | 2,131          | 2,929          | 3,753          | 37,388         | 38,592         | 39,676         | 20,669         | 25,968         | 21,773 | 7,000          | 87,863                                       | 87,593                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 92,394                                       | 92,124                                     | —                                        |
| 2403-3583<br>2403-3586  | 85×3   | 2,128          | 2,886          | 3,669          | 39,910         | 41,120         | 42,211         | 21,523         | 28,589         | 22,458 | 7,000          | 93,054                                       | 92,784                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 97,664                                       | 97,394                                     | —                                        |
| 2403-3589<br>2403-3593  | 90×3   | 2,157          | 2,976          | 3,807          | 42,392         | 43,599         | 44,688         | 23,330         | 28,914         | 25,099 | 7,000          | 97,909                                       | 97,639                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 102,442                                      | 102,172                                    | —                                        |
| 2403-3596<br>2403-3599  | 95×3   | 2,144          | 2,927          | 3,721          | 44,914         | 46,126         | 47,222         | 24,214         | 31,524         | 25,814 | 7,000          | 103,095                                      | 102,825                                    | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 107,698                                      | 107,428                                    | —                                        |
| 2403-3603<br>2403-3606  | 100×3  | 2,122          | 2,869          | 3,701          | 47,402         | 48,618         | 49,818         | 25,032         | 34,157         | 26,462 | 7,000          | 108,248                                      | 107,987                                    | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 112,921                                      | 112,660                                    | —                                        |
| 2403-3609<br>2403-3613  | 105×3  | 2,124          | 2,841          | 3,570          | 49,918         | 51,137         | 52,243         | 25,740         | 36,834         | 26,999 | 7,000          | 113,387                                      | —                                          | 113,126                                  |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 118,129                                      | —                                          | 117,868                                  |
| 2403-3616               | 110×3  | 2,140          | 2,909          | 3,681          | 52,419         | 53,637         | 54,741         | 27,665         | 37,135         | 29,752 | 7,000          | 118,054                                      | 117,802                                    | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 122,707                                      | 122,455                                    | —                                        |
| 2403-3619               | 120×3  | 2,159          | 2,946          | 3,728          | 57,422         | 58,641         | 59,746         | 30,377         | 40,059         | 33,132 | 7,000          | 128,063                                      | 127,819                                    | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 132,705                                      | 132,462                                    | —                                        |
| 2403-3623               | 130×3  | 2,130          | 2,865          | 3,596          | 62,425         | 63,648         | 64,761         | 31,984         | 45,318         | 34,408 | 7,000          | 138,332                                      | —                                          | 138,068                                  |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 143,090                                      | —                                          | 142,826                                  |
| 2403-3626<br>2403-3629  | 55×3,5 | 2,424          | 3,479          | 4,752          | 24,387         | 25,767         | 27,082         | 15,112         | 15,778         | 15,333 | 8,690          | 65,454                                       | 65,142                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 12,423         | 74,690                                       | 74,378                                     | —                                        |
| 2403-3633<br>2403-3636  | 60×3,5 | 2,366          | 3,274          | 4,384          | 26,874         | 28,281         | 29,640         | 15,637         | 19,308         | 15,277 | 8,690          | 71,013                                       | 70,701                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 10,950         | 76,851                                       | 76,539                                     | —                                        |
| 2403-3639<br>2403-3643  | 65×3,5 | 2,418          | 3,210          | 4,112          | 29,417         | 30,839         | 32,120         | 15,946         | 22,818         | 15,051 | 8,282          | 75,278                                       | —                                          | 74,966                                   |
|                         |        |                |                |                |                |                |                |                |                |        | 10,353         | 80,879                                       | —                                          | 80,567                                   |
| 2403-3646<br>2403-3649  | 70×3,5 | 2,470          | 3,527          | 4,653          | 31,920         | 33,321         | 34,572         | 18,879         | 20,639         | 19,913 | 8,690          | 80,433                                       | 80,120                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 12,423         | 89,815                                       | 89,503                                     | —                                        |
| 2403-3653<br>2403-3656  | 75×3,5 | 2,389          | 3,330          | 4,430          | 34,400         | 35,818         | 37,200         | 19,477         | 24,090         | 19,957 | 8,282          | 84,843                                       | 84,511                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 10,353         | 90,304                                       | 89,972                                     | —                                        |
| 2403-3659<br>2403-3663  | 80×3,5 | 2,403          | 3,249          | 4,166          | 36,933         | 38,362         | 39,656         | 19,869         | 27,560         | 19,821 | 8,282          | 90,192                                       | 89,869                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 10,353         | 95,813                                       | 95,490                                     | —                                        |
| 2403-3666<br>2403-3669  | 85×3,5 | 2,438          | 3,194          | 4,099          | 39,415         | 40,853         | 43,268         | 20,083         | 31,049         | 19,528 | 7,000          | 91,631                                       | 91,325                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 8,690          | 96,601                                       | 96,295                                     | —                                        |
| 2403-3673<br>2403-3676  | 90×3,5 | 2,419          | 3,380          | 4,473          | 41,919         | 43,346         | 44,744         | 23,300         | 28,891         | 24,612 | 8,282          | 99,758                                       | 99,452                                     | —                                        |
|                         |        |                |                |                |                |                |                |                |                |        | 01,353         | 105,254                                      | 104,948                                    | —                                        |

Продолжение табл. 3

Размеры, мм

| Обозначение<br>проточки | D×m     | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>4</sub> | y <sub>4</sub> | R      | d <sub>p</sub>   | M                                            |                                            |                                          |
|-------------------------|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|------------------|----------------------------------------------|--------------------------------------------|------------------------------------------|
|                         |         |                |                |                |                |                |                |                |                |        |                  | на перед-<br>нем кон-<br>трольном<br>буртике | на послед-<br>нем калиб-<br>рующем<br>зубе | на заднем<br>контроль-<br>ном<br>буртике |
| 2403-3679<br>2403-3683  | 95×3,5  | 2,411          | 3,293          | 4,220          | 44,452         | 45,888         | 47,191         | 23,732         | 32,344         | 24,519 | 8,282<br>10,353  | 105,108<br>110,742                           | 104,802<br>110,436                         | —                                        |
| 2403-3686               | 100×3,5 | 2,416          | 3,222          | 4,150          | 46,935         | 48,377         | 49,799         | 24,053         | 35,790         | 24,339 | 7,000<br>8,690   | 106,613<br>111,525                           | 106,307<br>111,219                         | —                                        |
| 2403-3689               | 105×3,5 | 2,403          | 3,262          | 4,156          | 49,447         | 50,889         | 52,201         | 25,809         | 36,481         | 26,757 | 8,282<br>10,353  | 115,064<br>120,765                           | —                                          | 114,759<br>120,460                       |
| 2403-3693               | 110×3,5 | 2,417          | 3,323          | 4,255          | 51,959         | 53,399         | 54,711         | 27,561         | 37,151         | 29,181 | 8,282<br>10,353  | 120,039<br>125,682                           | 119,733<br>125,376                         | —                                        |
| 2403-3696               | 120×3,5 | 2,441          | 3,223          | 4,035          | 56,962         | 58,411         | 59,736         | 28,158         | 44,030         | 28,786 | 7,000<br>8,690   | 126,651<br>131,666                           | 126,354<br>131,369                         | —                                        |
| 2403-3699               | 130×3,5 | 2,408          | 3,274          | 4,155          | 61,956         | 63,405         | 64,728         | 31,762         | 45,397         | 33,702 | 8,282<br>10,353  | 140,223<br>145,989                           | —                                          | 139,903<br>145,669                       |
| 2403-3703               | 60×4    | 2,808          | 4,075          | 5,591          | 26,400         | 27,925         | 29,365         | 16,725         | 16,123         | 17,301 | 10,353<br>12,423 | 72,178<br>77,244                             | 71,872<br>76,938                           | —                                        |
| 2403-3706               |         | 2,805          | 4,141          | 5,627          | 26,396         | 27,992         | 29,390         | 16,740         | 16,087         | 17,334 | 10,353<br>12,423 | 72,172<br>77,236                             | 71,823<br>76,887                           | —                                        |
| 2403-3709               | 65×4    |                | 3,787          | 5,074          |                | 30,528         | 32,032         | 17,193         | 20,358         | 16,827 | 10,353<br>12,423 | 78,159<br>83,419                             | 77,853<br>83,113                           | —                                        |
| 2403-3713               |         | 2,735          | 3,758          | 5,004          |                | 28,966         | 30,487         | 31,953         | 17,101         | 20,405 | 10,353<br>12,423 | 78,152<br>83,409                             | 77,802<br>83,059                           | —                                        |
| 2403-3716               | 70×4    |                | 3,881          | 5,202          |                | 33,066         | 34,572         | 18,664         | 21,432         | 18,812 | 10,353<br>12,423 | 83,356<br>88,623                             | 83,041<br>88,308                           | —                                        |
| 2403-3719               |         | 2,713          | 3,866          | 5,149          |                | 31,405         | 33,044         | 34,512         | 18,594         | 21,461 | 10,353<br>12,423 | 83,363<br>88,616                             | 82,993<br>88,256                           | —                                        |
| 2403-3723               | 75×4    |                | 3,902          | 5,240          |                | 35,503         | 37,016         | 20,064         | 22,545         | 20,716 | 10,353<br>12,423 | 87,843<br>93,085                             | 87,537<br>92,778                           | —                                        |
| 2403-3726               |         | 2,762          | 3,964          | 5,276          |                | 33,938         | 35,578         | 37,048         | 20,082         | 22,507 | 10,353<br>12,423 | 87,837<br>93,077                             | 87,465<br>92,706                           | —                                        |
| 2403-3729               | 80×4    |                | 3,993          | 5,358          |                | 38,026         | 39,542         | 21,527         | 23,608         | 22,701 | 10,353<br>12,423 | 92,994<br>98,239                             | 92,686<br>97,931                           | —                                        |
| 2403-3733               |         | 2,815          | 4,057          | 5,394          |                | 36,460         | 38,101         | 39,573         | 21,539         | 23,571 | 10,353<br>12,423 | 92,986<br>98,230                             | 92,612<br>97,856                           | —                                        |
| 2403-3736               | 85×4    |                | 3,735          | 4,929          |                | 40,529         | 42,078         | 21,731         | 27,896         | 21,988 | 10,353<br>12,423 | 98,745<br>104,158                            | 98,437<br>103,851                          | —                                        |
| 2403-3739               |         | 2,719          | 3,790          | 4,961          |                | 38,941         | 40,605         | 42,111         | 21,756         | 27,856 | 10,353<br>12,423 | 98,734<br>104,147                            | 98,383<br>103,796                          | —                                        |
| 2403-3743               | 90×4    |                | 3,806          | 5,031          |                | 43,066         | 44,607         | 23,312         | 28,910         | 24,095 | 10,353<br>12,423 | 103,318<br>108,705                           | 103,010<br>108,398                         | —                                        |
| 2403-3746               |         | 2,748          | 3,864          | 5,064          |                | 41,469         | 43,132         | 44,639         | 23,282         | 28,904 | 10,353<br>12,423 | 103,313<br>108,697                           | 102,963<br>108,347                         | —                                        |

Размеры, мм

| Обозначение<br>протектора | D×m   | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>4</sub> | y <sub>4</sub> | R      | d <sub>p</sub> | M                                  |                                            |                                   |         |
|---------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|------------------------------------|--------------------------------------------|-----------------------------------|---------|
|                           |       |                |                |                |                |                |                |                |                |        |                | на перед-<br>нем калит-<br>буртике | на послед-<br>нем калит-<br>ружьем<br>зубе | на вадном<br>контроль-<br>буртике |         |
| 2403-3749                 | 95×4  | 2,782          | 3,876          | 5,128          | 43,986         | 45,573         | 47,125         | 24,768         | 30,003         | 26,056 | 10,353         | 108,412                            | 108,104                                    | —                                 |         |
| 2403-3753                 |       |                | 3,935          | 5,161          |                | 45,649         | 47,158         | 24,784         | 29,963         |        | 26,091         | 12,423                             | 113,792                                    | 113,484                           | —       |
| 2403-3756                 | 100×4 | 2,733          | 3,696          | 4,811          | 46,466         | 48,068         | 49,641         | 24,825         | 34,271         | 25,235 | 10,353         | 114,028                            | —                                          | 113,713                           |         |
| 2403-3759                 |       |                | 3,748          | 4,840          |                | 48,145         | 49,674         | 24,836         | 34,239         |        | 25,260         | 12,423                             | 119,571                                    | —                                 | 119,256 |
| 2403-3763                 | 105×4 | 2,744          | 3,745          | 4,889          | 48,984         | 50,585         | 52,159         | 26,381         | 35,327         | 27,299 | 10,353         | 118,672                            | —                                          | 118,358                           |         |
| 2403-3766                 |       |                | 3,798          | 4,919          |                | 50,662         | 52,192         | 26,389         | 35,295         |        | 27,322         | 12,423                             | 124,185                                    | —                                 | 123,870 |
| 2403-3769                 | 110×4 | 2,757          | 3,791          | 4,961          | 51,496         | 53,098         | 54,672         | 27,895         | 36,403         | 29,321 | 10,353         | 123,752                            | —                                          | 123,458                           |         |
| 2403-3773                 |       |                | 3,846          | 4,992          |                | 53,174         | 54,705         | 27,917         | 36,358         |        | 29,363         | 12,423                             | 129,248                                    | —                                 | 128,954 |
| 2403-3776                 | 120×4 | 2,789          | 3,878          | 5,090          | 56,480         | 58,082         | 59,658         | 30,861         | 38,580         | 33,293 | 10,353         | 133,447                            | 133,153                                    | —                                 |         |
| 2403-3779                 |       |                | 3,935          | 5,122          |                | 58,159         | 59,691         | 30,820         | 38,575         |        | 33,261         | 12,423                             | 138,906                                    | 138,612                           | —       |
| 2403-3783                 | 130×4 | 2,772          | 3,790          | 4,923          | 61,524         | 63,135         | 64,724         | 32,550         | 43,831         | 34,638 | 10,353         | 143,700                            | —                                          | 143,406                           |         |
| 2403-3786                 |       |                | 3,844          | 4,952          |                | 63,212         | 64,758         | 32,527         | 43,813         |        | 34,628         | 12,423                             | 149,272                                    | —                                 | 148,979 |
| 2403-3789                 | 70×5  | 3,461          | 5,208          | 7,215          | 30,411         | 32,438         | 34,223         | 19,627         | 18,244         | 20,233 | 13,133         | 86,118                             | 85,734                                     | —                                 |         |
| 2403-3793                 |       |                | 3,489          | 5,101          |                | 7,039          | 32,965         | 34,897         | 36,720         |        | 20,782         | 20,171                             | 21,511                                     | 17,362                            | 96,314  |
| 2403-3796                 | 80×5  | 3,509          | 5,098          | 6,990          | 35,508         | 37,453         | 39,300         | 22,020         | 22,014         | 22,907 | 13,133         | 90,666                             | 90,293                                     | —                                 |         |
| 2403-3799                 |       |                | 3,540          | 5,110          |                | 6,964          | 38,064         | 40,019         | 41,887         |        | 23,268         | 23,841                             | 24,320                                     | 17,362                            | 100,894 |
| 2403-3803                 | 90×5  | 3,468          | 5,099          | 6,916          | 40,476         | 42,560         | 44,445         | 24,420         | 25,757         | 25,606 | 13,133         | 96,342                             | 95,966                                     | —                                 |         |
| 2403-3806                 |       |                | 3,414          | 4,662          |                | 6,171          | 43,072         | 45,078         | 47,027         |        | 24,045         | 31,632                             | 23,590                                     | 17,362                            | 106,685 |
| 2403-3809                 | 100×5 | 3,520          | 5,025          | 6,771          | 45,570         | 47,554         | 49,472         | 26,776         | 29,501         | 28,267 | 13,133         | 100,958                            | 100,584                                    | —                                 |         |
|                           |       |                | 3,520          | 5,025          |                | 6,771          | 45,570         | 47,554         | 49,472         |        | 26,776         | 29,501                             | 28,267                                     | 17,362                            | 111,333 |
|                           |       |                |                |                |                |                |                |                |                |        |                | 13,133                             | 106,537                                    | 106,153                           | —       |
|                           |       |                |                |                |                |                |                |                |                |        |                | 17,362                             | 117,010                                    | 116,626                           | —       |
|                           |       |                |                |                |                |                |                |                |                |        |                | 10,353                             | 105,200                                    | 104,824                           | —       |
|                           |       |                |                |                |                |                |                |                |                |        |                | 13,133                             | 112,799                                    | 112,423                           | —       |
|                           |       |                |                |                |                |                |                |                |                |        |                | 13,133                             | 116,696                                    | 116,332                           | —       |
|                           |       |                |                |                |                |                |                |                |                |        |                | 17,362                             | 127,283                                    | 126,919                           | —       |

Продолжение табл. 3

Размеры, мм

| Обозначение<br>протяжки | $D \times m$ | $x_1$ | $x_2$ | $x_3$ | $y_1$  | $y_2$  | $y_3$  | $x_4$  | $y_5$  | $R$    | $d_p$  | М                                            |                                            |                                          |
|-------------------------|--------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|----------------------------------------------|--------------------------------------------|------------------------------------------|
|                         |              |       |       |       |        |        |        |        |        |        |        | на перед-<br>нем конт-<br>рольном<br>буртике | на послед-<br>нем калиб-<br>рующем<br>зубе | на заднем<br>контроль-<br>ном<br>буртике |
| 2403-3813               | 105×5        | 3,393 | 4,628 | 6,100 | 48,033 | 50,049 | 52,018 | 26,259 | 35,408 | 26,119 | 10,353 | 115,221                                      | 114,850                                    | —                                        |
|                         |              |       |       |       |        |        |        |        |        |        |        | 13,133                                       | 122,875                                    | 122,504                                  |
| 2403-3816               | 110×6        | 3,482 | 4,950 | 6,637 | 50,532 | 52,531 | 54,474 | 29,042 | 33,309 | 30,821 | 13,133 | 126,842                                      | 126,471                                    | —                                        |
|                         |              |       |       |       |        |        |        |        |        |        |        | 16,565                                       | 135,553                                    | 135,182                                  |
| 2403-3819               | 120×5        | 3,506 | 4,953 | 6,601 | 55,589 | 57,597 | 59,557 | 31,419 | 37,012 | 33,529 | 13,133 | 136,977                                      | 136,613                                    | —                                        |
|                         |              |       |       |       |        |        |        |        |        |        |        | 16,565                                       | 145,764                                    | 145,400                                  |
| 2403-3823               | 130×5        | 3,465 | 4,885 | 6,491 | 60,547 | 62,566 | 64,541 | 33,660 | 40,815 | 36,071 | 12,423 | 145,231                                      | 144,860                                    | —                                        |
|                         |              |       |       |       |        |        |        |        |        |        |        | 16,000                                       | 154,524                                    | 154,153                                  |

## Примечания:

1. Число круглых зубьев: черновых — 4, чистовых и калибрующих — 5.
2.  $S$  (см. табл. 1 и 5) — величина подъема заднего центра на длине  $L_1$  при шлифовании фасонным кругом боковых поверхностей фасочных и шлицевых зубьев.
3. Полный размер фаски  $F$  — на калибрующих зубьях.
4. Размер  $b$  относится к последнему фасочному зубу.
5. Размеры профиля (глубина и радиусы) зубьев с шагом  $t_2$  одинаковы с размерами профиля зубьев с шагом  $t_1$ .
6. Номер последнего зуба со стружкоделительной канавкой  $i$ . Канавки выполнять на фасочных и шлицевых зубьях, располагая их в шахматном порядке.
7. Диаметры роликов  $d_p$  (см. табл. 3, 7 и 9) для контроля профиля соответствуют ГОСТ 2475.
8. После контроля профиля зубьев протяжки контрольные буртики шлифовать до соответствующего окончательного диаметра направляющей или зуба. При этом допускается увеличение ширины задней поверхности этого зуба.
9. В протяжках 2-го прохода после контроля профиля зубьев профиль передней направляющей шлифовать до окончательного размера.
10. Допускается изготовление протяжек без стружкоделительных канавок на фасочных зубьях.
11. Размеры  $M$  (см. табл. 7) относятся к протяжкам с профилем зубьев, выполненным по заменяющей дуге окружности.
12. Допускается выполнение резьбы протяжки без зарезьбовой канавки с соответствующим увеличением ширины центрирующего пояска хвостовика.

Таблица 4

Размеры, мм

Номера и диаметры  $D_1$  в мм

| Обозначение<br>профиля | 2403-3569 |       |       |  |  |  |  |  |  |  | 2403-3573 |       |       |  |  |  |  |  |  |  | 2403-3576<br>2403-3579 |       |       |  |  |  |  |  |  |  | 2403-3583<br>2403-3586 |       |       |  |  |  |  |  |  |  | 2403-3589<br>2403-3593 |       |       |  |  |  |  |  |  |  | 2403-3596<br>2403-3599 |       |       |  |  |  |  |  |  |  | 2403-3603<br>2403-3606 |       |       |  |  |  |  |  |  |  | 2403-3609<br>2403-3613 |        |        |  |  |  |  |  |  |  | 2403-3616 |        |        |  |  |  |  |  |  |  | 2403-3619 |        |        |  |  |  |  |  |  |  | 2403-3623 |        |        |  |  |  |  |  |  |  | 2403-3628<br>2403-3629 |       |       |  |  |  |  |  |  |  |  |
|------------------------|-----------|-------|-------|--|--|--|--|--|--|--|-----------|-------|-------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|------------------------|--------|--------|--|--|--|--|--|--|--|-----------|--------|--------|--|--|--|--|--|--|--|-----------|--------|--------|--|--|--|--|--|--|--|-----------|--------|--------|--|--|--|--|--|--|--|------------------------|-------|-------|--|--|--|--|--|--|--|--|
|                        | 70×3      |       |       |  |  |  |  |  |  |  | 75×3      |       |       |  |  |  |  |  |  |  | 80×3                   |       |       |  |  |  |  |  |  |  | 85×3                   |       |       |  |  |  |  |  |  |  | 90×3                   |       |       |  |  |  |  |  |  |  | 95×3                   |       |       |  |  |  |  |  |  |  | 100×3                  |       |       |  |  |  |  |  |  |  | 105×3                  |        |        |  |  |  |  |  |  |  | 110×3     |        |        |  |  |  |  |  |  |  | 120×3     |        |        |  |  |  |  |  |  |  | 130×3     |        |        |  |  |  |  |  |  |  | 55×3,5                 |       |       |  |  |  |  |  |  |  |  |
| Фасонных               | 1         | 63,40 |       |  |  |  |  |  |  |  |           | 68,40 |       |  |  |  |  |  |  |  |                        | 73,40 |       |  |  |  |  |  |  |  |                        | 78,40 |       |  |  |  |  |  |  |  |                        | 83,40 |       |  |  |  |  |  |  |  |                        | 88,40 |       |  |  |  |  |  |  |  |                        | 93,40 |       |  |  |  |  |  |  |  |                        | 98,40  |        |  |  |  |  |  |  |  |           | 103,40 |        |  |  |  |  |  |  |  |           | 113,40 |        |  |  |  |  |  |  |  |           | 123,40 |        |  |  |  |  |  |  |  |                        | 47,50 |       |  |  |  |  |  |  |  |  |
|                        | 2         | 63,56 |       |  |  |  |  |  |  |  |           | 68,56 |       |  |  |  |  |  |  |  |                        | 73,55 |       |  |  |  |  |  |  |  |                        | 78,55 |       |  |  |  |  |  |  |  |                        | 83,55 |       |  |  |  |  |  |  |  |                        | 88,55 |       |  |  |  |  |  |  |  |                        | 93,56 |       |  |  |  |  |  |  |  |                        | 98,56  |        |  |  |  |  |  |  |  |           | 103,56 |        |  |  |  |  |  |  |  |           | 113,54 |        |  |  |  |  |  |  |  |           | 123,52 |        |  |  |  |  |  |  |  |                        | 47,63 |       |  |  |  |  |  |  |  |  |
|                        | 3         | 63,72 |       |  |  |  |  |  |  |  |           | 68,72 |       |  |  |  |  |  |  |  |                        | 73,70 |       |  |  |  |  |  |  |  |                        | 78,70 |       |  |  |  |  |  |  |  |                        | 83,70 |       |  |  |  |  |  |  |  |                        | 88,70 |       |  |  |  |  |  |  |  |                        | 93,72 |       |  |  |  |  |  |  |  |                        | 98,72  |        |  |  |  |  |  |  |  |           | 103,72 |        |  |  |  |  |  |  |  |           | 113,68 |        |  |  |  |  |  |  |  |           | 123,64 |        |  |  |  |  |  |  |  |                        | 47,76 |       |  |  |  |  |  |  |  |  |
|                        | 4         | 63,88 |       |  |  |  |  |  |  |  |           | 68,88 |       |  |  |  |  |  |  |  |                        | 73,85 |       |  |  |  |  |  |  |  |                        | 78,85 |       |  |  |  |  |  |  |  |                        | 83,85 |       |  |  |  |  |  |  |  |                        | 88,85 |       |  |  |  |  |  |  |  |                        | 93,88 |       |  |  |  |  |  |  |  |                        | 98,88  |        |  |  |  |  |  |  |  |           | 103,88 |        |  |  |  |  |  |  |  |           | 113,82 |        |  |  |  |  |  |  |  |           | 123,76 |        |  |  |  |  |  |  |  |                        | 47,89 |       |  |  |  |  |  |  |  |  |
|                        | 5         | 64,04 |       |  |  |  |  |  |  |  |           | 69,04 |       |  |  |  |  |  |  |  |                        | 74,00 |       |  |  |  |  |  |  |  |                        | 79,00 |       |  |  |  |  |  |  |  |                        | 84,00 |       |  |  |  |  |  |  |  |                        | 89,00 |       |  |  |  |  |  |  |  |                        | 94,04 |       |  |  |  |  |  |  |  |                        | 99,04  |        |  |  |  |  |  |  |  |           | 104,04 |        |  |  |  |  |  |  |  |           | 113,96 |        |  |  |  |  |  |  |  |           | 123,88 |        |  |  |  |  |  |  |  |                        | 48,02 |       |  |  |  |  |  |  |  |  |
|                        | 6         | 64,20 |       |  |  |  |  |  |  |  |           | 69,20 |       |  |  |  |  |  |  |  |                        | 74,15 |       |  |  |  |  |  |  |  |                        | 79,15 |       |  |  |  |  |  |  |  |                        | 84,15 |       |  |  |  |  |  |  |  |                        | 89,15 |       |  |  |  |  |  |  |  |                        | 94,20 |       |  |  |  |  |  |  |  |                        | 99,20  |        |  |  |  |  |  |  |  |           | 104,20 |        |  |  |  |  |  |  |  |           | 114,10 |        |  |  |  |  |  |  |  |           | 124,00 |        |  |  |  |  |  |  |  |                        | 48,15 |       |  |  |  |  |  |  |  |  |
|                        | 7         | 64,36 |       |  |  |  |  |  |  |  |           | 69,36 |       |  |  |  |  |  |  |  |                        | 74,30 |       |  |  |  |  |  |  |  |                        | 79,30 |       |  |  |  |  |  |  |  |                        | 84,30 |       |  |  |  |  |  |  |  |                        | 89,30 |       |  |  |  |  |  |  |  |                        | 94,36 |       |  |  |  |  |  |  |  |                        | 99,36  |        |  |  |  |  |  |  |  |           | 104,36 |        |  |  |  |  |  |  |  |           | 114,24 |        |  |  |  |  |  |  |  |           | 124,12 |        |  |  |  |  |  |  |  |                        | 48,28 |       |  |  |  |  |  |  |  |  |
|                        | 8         | 64,52 |       |  |  |  |  |  |  |  |           | 69,52 |       |  |  |  |  |  |  |  |                        | 74,45 |       |  |  |  |  |  |  |  |                        | 79,45 |       |  |  |  |  |  |  |  |                        | 84,45 |       |  |  |  |  |  |  |  |                        | 89,45 |       |  |  |  |  |  |  |  |                        | 94,52 |       |  |  |  |  |  |  |  |                        | 99,52  |        |  |  |  |  |  |  |  |           | 104,52 |        |  |  |  |  |  |  |  |           | 114,38 |        |  |  |  |  |  |  |  |           | 124,24 |        |  |  |  |  |  |  |  |                        | 48,41 |       |  |  |  |  |  |  |  |  |
|                        | 9         | 64,68 |       |  |  |  |  |  |  |  |           | 69,68 |       |  |  |  |  |  |  |  |                        | 74,60 |       |  |  |  |  |  |  |  |                        | 79,60 |       |  |  |  |  |  |  |  |                        | 84,60 |       |  |  |  |  |  |  |  |                        | 89,60 |       |  |  |  |  |  |  |  |                        | 94,68 |       |  |  |  |  |  |  |  |                        | 99,68  |        |  |  |  |  |  |  |  |           | 104,68 |        |  |  |  |  |  |  |  |           | 114,52 |        |  |  |  |  |  |  |  |           | 124,36 |        |  |  |  |  |  |  |  |                        | 48,54 |       |  |  |  |  |  |  |  |  |
|                        | 10        | 64,84 |       |  |  |  |  |  |  |  |           | 69,84 |       |  |  |  |  |  |  |  |                        | 74,75 |       |  |  |  |  |  |  |  |                        | 79,75 |       |  |  |  |  |  |  |  |                        | 84,75 |       |  |  |  |  |  |  |  |                        | 89,75 |       |  |  |  |  |  |  |  |                        | 94,84 |       |  |  |  |  |  |  |  |                        | 99,84  |        |  |  |  |  |  |  |  |           | 104,84 |        |  |  |  |  |  |  |  |           | 114,66 |        |  |  |  |  |  |  |  |           | 124,48 |        |  |  |  |  |  |  |  |                        | 48,67 |       |  |  |  |  |  |  |  |  |
|                        | 11        | 65,00 |       |  |  |  |  |  |  |  |           | 70,00 |       |  |  |  |  |  |  |  |                        | 74,90 |       |  |  |  |  |  |  |  |                        | 79,90 |       |  |  |  |  |  |  |  |                        | 84,90 |       |  |  |  |  |  |  |  |                        | 89,90 |       |  |  |  |  |  |  |  |                        | 95,00 |       |  |  |  |  |  |  |  |                        | 100,00 |        |  |  |  |  |  |  |  |           | 105,00 |        |  |  |  |  |  |  |  |           | 114,80 |        |  |  |  |  |  |  |  |           | 124,60 |        |  |  |  |  |  |  |  |                        | 48,80 |       |  |  |  |  |  |  |  |  |
| Крытых                 | 12        | 63,58 |       |  |  |  |  |  |  |  |           | 68,58 |       |  |  |  |  |  |  |  |                        | 73,55 |       |  |  |  |  |  |  |  |                        | 78,55 |       |  |  |  |  |  |  |  |                        | 83,55 |       |  |  |  |  |  |  |  |                        | 88,55 |       |  |  |  |  |  |  |  |                        | 93,61 |       |  |  |  |  |  |  |  |                        | 98,61  |        |  |  |  |  |  |  |  |           | 103,61 |        |  |  |  |  |  |  |  |           | 113,58 |        |  |  |  |  |  |  |  |           | 124,84 |        |  |  |  |  |  |  |  |                        | 49,06 |       |  |  |  |  |  |  |  |  |
|                        | 13        | 63,74 |       |  |  |  |  |  |  |  |           | 68,74 |       |  |  |  |  |  |  |  |                        | 73,61 |       |  |  |  |  |  |  |  |                        | 78,61 |       |  |  |  |  |  |  |  |                        | 83,61 |       |  |  |  |  |  |  |  |                        | 88,61 |       |  |  |  |  |  |  |  |                        | 93,77 |       |  |  |  |  |  |  |  |                        | 98,77  |        |  |  |  |  |  |  |  |           | 103,77 |        |  |  |  |  |  |  |  |           | 113,56 |        |  |  |  |  |  |  |  |           | 124,96 |        |  |  |  |  |  |  |  |                        | 47,67 |       |  |  |  |  |  |  |  |  |
|                        | 14        | 63,90 |       |  |  |  |  |  |  |  |           | 68,90 |       |  |  |  |  |  |  |  |                        | 73,76 |       |  |  |  |  |  |  |  |                        | 78,76 |       |  |  |  |  |  |  |  |                        | 83,77 |       |  |  |  |  |  |  |  |                        | 88,77 |       |  |  |  |  |  |  |  |                        | 93,93 |       |  |  |  |  |  |  |  |                        | 98,93  |        |  |  |  |  |  |  |  |           | 103,93 |        |  |  |  |  |  |  |  |           | 113,74 |        |  |  |  |  |  |  |  |           | 125,08 |        |  |  |  |  |  |  |  |                        | 47,80 |       |  |  |  |  |  |  |  |  |
|                        | 15        | 64,06 |       |  |  |  |  |  |  |  |           | 69,06 |       |  |  |  |  |  |  |  |                        | 73,91 |       |  |  |  |  |  |  |  |                        | 78,91 |       |  |  |  |  |  |  |  |                        | 83,93 |       |  |  |  |  |  |  |  |                        | 88,93 |       |  |  |  |  |  |  |  |                        | 94,09 |       |  |  |  |  |  |  |  |                        | 98,99  |        |  |  |  |  |  |  |  |           | 103,99 |        |  |  |  |  |  |  |  |           | 113,92 |        |  |  |  |  |  |  |  |           | 123,63 |        |  |  |  |  |  |  |  |                        | 47,93 |       |  |  |  |  |  |  |  |  |
|                        | 16        | 64,13 |       |  |  |  |  |  |  |  |           | 69,13 |       |  |  |  |  |  |  |  |                        | 74,06 |       |  |  |  |  |  |  |  |                        | 79,06 |       |  |  |  |  |  |  |  |                        | 84,09 |       |  |  |  |  |  |  |  |                        | 89,09 |       |  |  |  |  |  |  |  |                        | 94,16 |       |  |  |  |  |  |  |  |                        | 99,16  |        |  |  |  |  |  |  |  |           | 104,16 |        |  |  |  |  |  |  |  |           | 114,10 |        |  |  |  |  |  |  |  |           | 123,79 |        |  |  |  |  |  |  |  |                        | 48,06 |       |  |  |  |  |  |  |  |  |
|                        | 17        | 64,16 |       |  |  |  |  |  |  |  |           | 69,16 |       |  |  |  |  |  |  |  |                        | 74,13 |       |  |  |  |  |  |  |  |                        | 79,13 |       |  |  |  |  |  |  |  |                        | 84,16 |       |  |  |  |  |  |  |  |                        | 89,16 |       |  |  |  |  |  |  |  |                        | 94,19 |       |  |  |  |  |  |  |  |                        | 99,19  |        |  |  |  |  |  |  |  |           | 104,19 |        |  |  |  |  |  |  |  |           | 114,16 |        |  |  |  |  |  |  |  |           | 123,95 |        |  |  |  |  |  |  |  |                        | 48,11 |       |  |  |  |  |  |  |  |  |
|                        | 18        | 64,16 |       |  |  |  |  |  |  |  |           | 69,16 |       |  |  |  |  |  |  |  |                        | 74,16 |       |  |  |  |  |  |  |  |                        | 79,16 |       |  |  |  |  |  |  |  |                        | 84,19 |       |  |  |  |  |  |  |  |                        | 89,19 |       |  |  |  |  |  |  |  |                        | 94,19 |       |  |  |  |  |  |  |  |                        | 99,19  |        |  |  |  |  |  |  |  |           | 104,19 |        |  |  |  |  |  |  |  |           | 114,19 |        |  |  |  |  |  |  |  |           | 124,11 |        |  |  |  |  |  |  |  |                        | 48,14 |       |  |  |  |  |  |  |  |  |
|                        | 19        | 64,16 |       |  |  |  |  |  |  |  |           | 69,16 |       |  |  |  |  |  |  |  |                        | 74,16 |       |  |  |  |  |  |  |  |                        | 79,16 |       |  |  |  |  |  |  |  |                        | 84,19 |       |  |  |  |  |  |  |  |                        | 89,19 |       |  |  |  |  |  |  |  |                        | 94,19 |       |  |  |  |  |  |  |  |                        | 99,19  |        |  |  |  |  |  |  |  |           | 104,19 |        |  |  |  |  |  |  |  |           | 114,19 |        |  |  |  |  |  |  |  |           | 124,18 |        |  |  |  |  |  |  |  |                        | 48,14 |       |  |  |  |  |  |  |  |  |
|                        | 20        | 64,16 |       |  |  |  |  |  |  |  |           | 69,16 |       |  |  |  |  |  |  |  |                        | 74,16 |       |  |  |  |  |  |  |  |                        | 79,16 |       |  |  |  |  |  |  |  |                        | 84,19 |       |  |  |  |  |  |  |  |                        | 89,19 |       |  |  |  |  |  |  |  |                        | 94,19 |       |  |  |  |  |  |  |  |                        | 99,19  |        |  |  |  |  |  |  |  |           | 104,19 |        |  |  |  |  |  |  |  |           | 114,19 |        |  |  |  |  |  |  |  |           | 124,21 |        |  |  |  |  |  |  |  |                        | 48,14 |       |  |  |  |  |  |  |  |  |
|                        | 21        | 65,16 |       |  |  |  |  |  |  |  |           | 70,16 |       |  |  |  |  |  |  |  |                        | 75,21 |       |  |  |  |  |  |  |  |                        | 80,21 |       |  |  |  |  |  |  |  |                        | 85,21 |       |  |  |  |  |  |  |  |                        | 90,21 |       |  |  |  |  |  |  |  |                        | 95,34 |       |  |  |  |  |  |  |  |                        | 100,33 |        |  |  |  |  |  |  |  |           | 105,33 |        |  |  |  |  |  |  |  |           | 115,26 |        |  |  |  |  |  |  |  |           | 124,21 |        |  |  |  |  |  |  |  |                        | 49,21 |       |  |  |  |  |  |  |  |  |
|                        | Шлицевых  | 22    | 65,32 |  |  |  |  |  |  |  |           |       | 70,32 |  |  |  |  |  |  |  |                        |       | 75,37 |  |  |  |  |  |  |  |                        |       | 80,37 |  |  |  |  |  |  |  |                        |       | 85,37 |  |  |  |  |  |  |  |                        |       | 90,37 |  |  |  |  |  |  |  |                        |       | 95,51 |  |  |  |  |  |  |  |                        |        | 100,50 |  |  |  |  |  |  |  |           |        | 105,50 |  |  |  |  |  |  |  |           |        | 115,44 |  |  |  |  |  |  |  |           |        | 124,21 |  |  |  |  |  |  |  |                        |       | 49,36 |  |  |  |  |  |  |  |  |
| 23                     |           | 65,48 |       |  |  |  |  |  |  |  |           | 70,48 |       |  |  |  |  |  |  |  |                        | 75,53 |       |  |  |  |  |  |  |  |                        | 80,53 |       |  |  |  |  |  |  |  |                        | 85,53 |       |  |  |  |  |  |  |  |                        | 90,53 |       |  |  |  |  |  |  |  |                        | 95,68 |       |  |  |  |  |  |  |  |                        | 100,67 |        |  |  |  |  |  |  |  |           | 105,67 |        |  |  |  |  |  |  |  |           | 115,62 |        |  |  |  |  |  |  |  |           | 125,23 |        |  |  |  |  |  |  |  |                        | 49,51 |       |  |  |  |  |  |  |  |  |
| 24                     |           | 65,64 |       |  |  |  |  |  |  |  |           | 70,64 |       |  |  |  |  |  |  |  |                        | 75,59 |       |  |  |  |  |  |  |  |                        | 80,59 |       |  |  |  |  |  |  |  |                        | 85,59 |       |  |  |  |  |  |  |  |                        | 90,59 |       |  |  |  |  |  |  |  |                        | 95,84 |       |  |  |  |  |  |  |  |                        | 100,84 |        |  |  |  |  |  |  |  |           | 105,84 |        |  |  |  |  |  |  |  |           | 115,80 |        |  |  |  |  |  |  |  |           | 125,38 |        |  |  |  |  |  |  |  |                        | 49,66 |       |  |  |  |  |  |  |  |  |
| 25                     |           | 65,80 |       |  |  |  |  |  |  |  |           | 70,80 |       |  |  |  |  |  |  |  |                        | 75,85 |       |  |  |  |  |  |  |  |                        | 80,85 |       |  |  |  |  |  |  |  |                        | 85,85 |       |  |  |  |  |  |  |  |                        | 90,85 |       |  |  |  |  |  |  |  |                        | 96,02 |       |  |  |  |  |  |  |  |                        | 101,01 |        |  |  |  |  |  |  |  |           | 106,01 |        |  |  |  |  |  |  |  |           | 115,98 |        |  |  |  |  |  |  |  |           | 125,53 |        |  |  |  |  |  |  |  |                        | 49,81 |       |  |  |  |  |  |  |  |  |
| 26                     |           | 65,96 |       |  |  |  |  |  |  |  |           | 70,96 |       |  |  |  |  |  |  |  |                        | 76,01 |       |  |  |  |  |  |  |  |                        | 81,01 |       |  |  |  |  |  |  |  |                        | 86,01 |       |  |  |  |  |  |  |  |                        | 91,01 |       |  |  |  |  |  |  |  |                        | 96,19 |       |  |  |  |  |  |  |  |                        | 101,18 |        |  |  |  |  |  |  |  |           | 106,18 |        |  |  |  |  |  |  |  |           | 116,16 |        |  |  |  |  |  |  |  |           | 125,68 |        |  |  |  |  |  |  |  |                        | 49,96 |       |  |  |  |  |  |  |  |  |
| 27                     |           | 66,12 |       |  |  |  |  |  |  |  |           | 71,12 |       |  |  |  |  |  |  |  |                        | 76,17 |       |  |  |  |  |  |  |  |                        | 81,17 |       |  |  |  |  |  |  |  |                        | 86,17 |       |  |  |  |  |  |  |  |                        | 91,17 |       |  |  |  |  |  |  |  |                        | 96,36 |       |  |  |  |  |  |  |  |                        | 101,35 |        |  |  |  |  |  |  |  |           | 106,35 |        |  |  |  |  |  |  |  |           | 116,34 |        |  |  |  |  |  |  |  |           | 125,83 |        |  |  |  |  |  |  |  |                        | 50,11 |       |  |  |  |  |  |  |  |  |
| 28                     |           | 66,28 |       |  |  |  |  |  |  |  |           | 71,28 |       |  |  |  |  |  |  |  |                        | 76,33 |       |  |  |  |  |  |  |  |                        | 81,33 |       |  |  |  |  |  |  |  |                        | 86,33 |       |  |  |  |  |  |  |  |                        | 91,33 |       |  |  |  |  |  |  |  |                        | 96,53 |       |  |  |  |  |  |  |  |                        | 101,52 |        |  |  |  |  |  |  |  |           | 106,52 |        |  |  |  |  |  |  |  |           | 116,52 |        |  |  |  |  |  |  |  |           | 125,98 |        |  |  |  |  |  |  |  |                        | 50,26 |       |  |  |  |  |  |  |  |  |
| 29                     |           | 66,44 |       |  |  |  |  |  |  |  |           | 71,44 |       |  |  |  |  |  |  |  |                        | 76,49 |       |  |  |  |  |  |  |  |                        | 81,49 |       |  |  |  |  |  |  |  |                        | 86,49 |       |  |  |  |  |  |  |  |                        | 91,49 |       |  |  |  |  |  |  |  |                        | 96,70 |       |  |  |  |  |  |  |  |                        | 101,69 |        |  |  |  |  |  |  |  |           | 106,69 |        |  |  |  |  |  |  |  |           | 116,70 |        |  |  |  |  |  |  |  |           | 126,13 |        |  |  |  |  |  |  |  |                        | 50,41 |       |  |  |  |  |  |  |  |  |
| 30                     |           | 66,60 |       |  |  |  |  |  |  |  |           | 71,60 |       |  |  |  |  |  |  |  |                        | 76,65 |       |  |  |  |  |  |  |  |                        | 81,65 |       |  |  |  |  |  |  |  |                        | 86,65 |       |  |  |  |  |  |  |  |                        | 91,65 |       |  |  |  |  |  |  |  |                        | 96,87 |       |  |  |  |  |  |  |  |                        | 101,86 |        |  |  |  |  |  |  |  |           | 106,86 |        |  |  |  |  |  |  |  |           | 116,86 |        |  |  |  |  |  |  |  |           | 126,13 |        |  |  |  |  |  |  |  |                        | 50,41 |       |  |  |  |  |  |  |  |  |
| 31                     |           | 66,76 |       |  |  |  |  |  |  |  |           | 71,76 |       |  |  |  |  |  |  |  |                        | 76,65 |       |  |  |  |  |  |  |  |                        | 81,65 |       |  |  |  |  |  |  |  |                        | 86,65 |       |  |  |  |  |  |  |  |                        | 91,65 |       |  |  |  |  |  |  |  |                        | 96,87 |       |  |  |  |  |  |  |  |                        | 101,86 |        |  |  |  |  |  |  |  |           | 106,86 |        |  |  |  |  |  |  |  |           | 116,86 |        |  |  |  |  |  |  |  |           | 126,13 |        |  |  |  |  |  |  |  |                        | 50,41 |       |  |  |  |  |  |  |  |  |

Номера и диаметры D, мм



Продолжение табл. 4

Размеры, мм

| Обозначение<br>профиль | D × m | Размеры, мм |           |                        |                        |                        |                        |                        |                        |           |           | Продолжение табл. 4 |                        |
|------------------------|-------|-------------|-----------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-----------|---------------------|------------------------|
|                        |       | 2403-3560   | 2403-3573 | 2403-3576<br>2403-3579 | 2403-3583<br>2403-3586 | 2403-3589<br>2403-3593 | 2403-3596<br>2403-3599 | 2403-3603<br>2403-3606 | 2403-3609<br>2403-3613 | 2403-3616 | 2403-3619 | 2403-3623           | 2403-3626<br>2403-3629 |
| Шлицевых               | 32    | 70 × 3      | 75 × 3    | 80 × 3                 | 85 × 3                 | 90 × 3                 | 95 × 3                 | 100 × 3                | 105 × 3                | 110 × 3   | 120 × 3   | 130 × 3             | 55 × 3,5               |
|                        | 33    | 66,92       | 71,92     | 76,81                  | 81,81                  | 86,81                  | 91,81                  | 97,04                  | 102,03                 | 107,03    | 116,88    | 126,28              | 50,56                  |
|                        | 34    | 67,08       | 72,08     | 76,97                  | 81,97                  | 86,97                  | 91,97                  | 97,21                  | 102,20                 | 107,20    | 117,06    | 126,43              | 50,71                  |
|                        | 35    | 67,24       | 72,24     | 77,13                  | 82,13                  | 87,13                  | 92,13                  | 97,38                  | 102,37                 | 107,37    | 117,24    | 126,58              | 50,86                  |
|                        | 36    | 67,40       | 72,40     | 77,29                  | 82,29                  | 87,29                  | 92,29                  | 97,55                  | 102,54                 | 107,54    | 117,42    | 126,73              | 51,01                  |
|                        | 37    | 67,56       | 72,56     | 77,45                  | 82,45                  | 87,45                  | 92,45                  | 97,72                  | 102,71                 | 107,71    | 117,60    | 126,88              | 51,16                  |
|                        | 38    | 67,72       | 72,72     | 77,61                  | 82,61                  | 87,61                  | 92,61                  | 97,89                  | 102,88                 | 107,88    | 117,78    | 127,03              | 51,31                  |
|                        | 39    | 67,88       | 72,88     | 77,77                  | 82,77                  | 87,77                  | 92,77                  | 98,06                  | 103,05                 | 108,05    | 117,96    | 127,18              | 51,46                  |
|                        | 40    | 68,04       | 73,04     | 77,93                  | 82,93                  | 87,93                  | 92,93                  | 98,23                  | 103,22                 | 108,22    | 118,14    | 127,33              | 51,61                  |
|                        | 41    | 68,20       | 73,20     | 78,09                  | 83,09                  | 88,09                  | 93,09                  | 98,40                  | 103,39                 | 108,39    | 118,32    | 127,48              | 51,76                  |
| Калибры                | 42    | 68,36       | 73,36     | 78,25                  | 83,25                  | 88,25                  | 93,25                  | 98,57                  | 103,56                 | 108,56    | 118,50    | 127,63              | 51,91                  |
|                        | 43    | 68,52       | 73,52     | 78,41                  | 83,41                  | 88,41                  | 93,41                  | 98,74                  | 103,73                 | 108,73    | 118,68    | 127,78              | 52,06                  |
|                        | 44    | 68,68       | 73,68     | 78,57                  | 83,57                  | 88,57                  | 93,57                  | 99,08                  | 104,07                 | 109,07    | 119,04    | 128,08              | 52,21                  |
|                        | 45    | 68,84       | 73,84     | 78,73                  | 83,73                  | 88,73                  | 93,73                  | 99,25                  | 104,24                 | 109,24    | 119,22    | 128,23              | 52,36                  |
|                        | 46    | 69,00       | 74,00     | 78,89                  | 83,89                  | 88,89                  | 93,89                  | 99,42                  | 104,41                 | 109,41    | 119,40    | 128,38              | 52,51                  |
|                        | 47    | 69,16       | 74,16     | 79,05                  | 84,05                  | 89,05                  | 94,05                  | 99,59                  | 104,58                 | 109,58    | 119,58    | 128,53              | 52,66                  |
|                        | 48    | 69,32       | 74,32     | 79,21                  | 84,21                  | 89,21                  | 94,21                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 128,68              | 52,81                  |
|                        | 49    | 69,48       | 74,48     | 79,37                  | 84,37                  | 89,37                  | 94,37                  | 99,92                  | 104,91                 | 109,91    | 119,92    | 128,83              | 52,96                  |
|                        | 50    | 69,64       | 74,64     | 79,53                  | 84,53                  | 89,53                  | 94,53                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 128,98              | 53,11                  |
|                        | 51    | 69,80       | 74,80     | 79,69                  | 84,69                  | 89,69                  | 94,69                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 129,13              | 53,26                  |
| Черновых               | 52    | 70 × 3      | 75 × 3    | 80 × 3                 | 85 × 3                 | 90 × 3                 | 95 × 3                 | 100 × 3                | 105 × 3                | 110 × 3   | 120 × 3   | 130 × 3             | 55 × 3,5               |
|                        | 53    | 66,92       | 71,92     | 76,81                  | 81,81                  | 86,81                  | 91,81                  | 97,04                  | 102,03                 | 107,03    | 116,88    | 126,28              | 50,56                  |
|                        | 54    | 67,08       | 72,08     | 76,97                  | 81,97                  | 86,97                  | 91,97                  | 97,21                  | 102,20                 | 107,20    | 117,06    | 126,43              | 50,71                  |
|                        | 55    | 67,24       | 72,24     | 77,13                  | 82,13                  | 87,13                  | 92,13                  | 97,38                  | 102,37                 | 107,37    | 117,24    | 126,58              | 50,86                  |
|                        | 56    | 67,40       | 72,40     | 77,29                  | 82,29                  | 87,29                  | 92,29                  | 97,55                  | 102,54                 | 107,54    | 117,42    | 126,73              | 51,01                  |
|                        | 57    | 67,56       | 72,56     | 77,45                  | 82,45                  | 87,45                  | 92,45                  | 97,72                  | 102,71                 | 107,71    | 117,60    | 126,88              | 51,16                  |
|                        | 58    | 67,72       | 72,72     | 77,61                  | 82,61                  | 87,61                  | 92,61                  | 97,89                  | 102,88                 | 107,88    | 117,78    | 127,03              | 51,31                  |
|                        | 59    | 67,88       | 72,88     | 77,77                  | 82,77                  | 87,77                  | 92,77                  | 98,06                  | 103,05                 | 108,05    | 117,96    | 127,18              | 51,46                  |
|                        | 60    | 68,04       | 73,04     | 77,93                  | 82,93                  | 87,93                  | 92,93                  | 98,23                  | 103,22                 | 108,22    | 118,14    | 127,33              | 51,61                  |
|                        | 61    | 68,20       | 73,20     | 78,09                  | 83,09                  | 88,09                  | 93,09                  | 98,40                  | 103,39                 | 108,39    | 118,32    | 127,48              | 51,76                  |
| Черновых               | 62    | 68,36       | 73,36     | 78,25                  | 83,25                  | 88,25                  | 93,25                  | 98,57                  | 103,56                 | 108,56    | 118,50    | 127,63              | 51,91                  |
|                        | 63    | 68,52       | 73,52     | 78,41                  | 83,41                  | 88,41                  | 93,41                  | 98,74                  | 103,73                 | 108,73    | 118,68    | 127,78              | 52,06                  |
|                        | 64    | 68,68       | 73,68     | 78,57                  | 83,57                  | 88,57                  | 93,57                  | 99,08                  | 104,07                 | 109,07    | 119,04    | 128,08              | 52,21                  |
|                        | 65    | 68,84       | 73,84     | 78,73                  | 83,73                  | 88,73                  | 93,73                  | 99,25                  | 104,24                 | 109,24    | 119,22    | 128,23              | 52,36                  |
|                        | 66    | 69,00       | 74,00     | 78,89                  | 83,89                  | 88,89                  | 93,89                  | 99,42                  | 104,41                 | 109,41    | 119,40    | 128,38              | 52,51                  |
|                        | 67    | 69,16       | 74,16     | 79,05                  | 84,05                  | 89,05                  | 94,05                  | 99,59                  | 104,58                 | 109,58    | 119,58    | 128,53              | 52,66                  |
|                        | 68    | 69,32       | 74,32     | 79,21                  | 84,21                  | 89,21                  | 94,21                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 128,68              | 52,81                  |
|                        | 69    | 69,48       | 74,48     | 79,37                  | 84,37                  | 89,37                  | 94,37                  | 99,92                  | 104,91                 | 109,91    | 119,92    | 128,83              | 52,96                  |
|                        | 70    | 69,64       | 74,64     | 79,53                  | 84,53                  | 89,53                  | 94,53                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 128,98              | 53,11                  |
|                        | 71    | 69,80       | 74,80     | 79,69                  | 84,69                  | 89,69                  | 94,69                  | 99,76                  | 104,75                 | 109,75    | 119,76    | 129,13              | 53,26                  |

Номера и диаметры D<sub>г</sub> зубьев





Продолжение табл. 4

| Обозначение<br>прокладки | Размеры, мм            |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                          | 2403-3633<br>2403-3636 | 2403-3639<br>2403-3643 | 2403-3646<br>2403-3649 | 2403-3653<br>2403-3656 | 2403-3659<br>2403-3663 | 2403-3666<br>2403-3669 | 2403-3673<br>2403-3676 | 2403-3679<br>2403-3683 | 2403-3686<br>2403-3689 | 2403-3693<br>2403-3696 | 2403-3699<br>2403-3703 | 2403-3706<br>2403-3709 | 2403-3713<br>2403-3716 | 2403-3719<br>2403-3723 |
| D × m                    | 60 × 3,5               | 65 × 3,5               | 70 × 3,5               | 75 × 3,5               | 80 × 3,5               | 85 × 3,5               | 90 × 3,5               | 95 × 3,5               | 100 × 3,5              | 105 × 3,5              | 110 × 3,5              | 115 × 3,5              | 120 × 3,5              | 125 × 3,5              |
| 26                       | 54,68                  | 59,54                  | 64,38                  | 69,80                  | 74,80                  | 80,01                  | 85,01                  | 90,01                  | 95,01                  | 100,01                 | 105,01                 | 110,01                 | 115,01                 | 119,88                 |
| 27                       | 54,83                  | 59,69                  | 64,53                  | 69,95                  | 74,95                  | 80,18                  | 85,18                  | 90,18                  | 95,18                  | 100,18                 | 105,18                 | 110,18                 | 115,18                 | 119,95                 |
| 28                       | 54,98                  | 59,84                  | 64,68                  | 70,10                  | 75,10                  | 80,35                  | 85,35                  | 90,35                  | 95,35                  | 100,35                 | 105,35                 | 110,35                 | 115,35                 | 119,98                 |
| 29                       | 55,13                  | 59,99                  | 64,83                  | 70,25                  | 75,25                  | 80,52                  | 85,52                  | 90,52                  | 95,52                  | 100,52                 | 105,52                 | 110,52                 | 115,52                 | 119,99                 |
| 30                       | 55,28                  | 60,14                  | 64,98                  | 70,40                  | 75,40                  | 80,69                  | 85,69                  | 90,69                  | 95,69                  | 100,69                 | 105,69                 | 110,69                 | 115,69                 | 119,99                 |
| 31                       | 55,43                  | 60,29                  | 65,13                  | 70,55                  | 75,55                  | 80,86                  | 85,86                  | 90,86                  | 95,86                  | 100,86                 | 105,86                 | 110,86                 | 115,86                 | 119,99                 |
| 32                       | 55,58                  | 60,44                  | 65,28                  | 70,70                  | 75,70                  | 81,03                  | 86,03                  | 91,03                  | 96,03                  | 101,03                 | 106,03                 | 111,03                 | 116,03                 | 119,99                 |
| 33                       | 55,73                  | 60,59                  | 65,43                  | 70,85                  | 75,85                  | 81,20                  | 86,20                  | 91,20                  | 96,20                  | 101,20                 | 106,20                 | 111,20                 | 116,20                 | 119,99                 |
| 34                       | 55,88                  | 60,74                  | 65,58                  | 71,00                  | 76,00                  | 81,37                  | 86,37                  | 91,37                  | 96,37                  | 101,37                 | 106,37                 | 111,37                 | 116,37                 | 119,99                 |
| 35                       | 56,03                  | 60,89                  | 65,73                  | 71,15                  | 76,15                  | 81,54                  | 86,54                  | 91,54                  | 96,54                  | 101,54                 | 106,54                 | 111,54                 | 116,54                 | 119,99                 |
| 36                       | 56,18                  | 61,04                  | 65,88                  | 71,30                  | 76,30                  | 81,71                  | 86,71                  | 91,71                  | 96,71                  | 101,71                 | 106,71                 | 111,71                 | 116,71                 | 119,99                 |
| 37                       | 56,33                  | 61,19                  | 66,03                  | 71,45                  | 76,45                  | 81,88                  | 86,88                  | 91,88                  | 96,88                  | 101,88                 | 106,88                 | 111,88                 | 116,88                 | 119,99                 |
| 38                       | 56,48                  | 61,34                  | 66,18                  | 71,60                  | 76,60                  | 82,05                  | 87,05                  | 92,05                  | 97,05                  | 102,05                 | 107,05                 | 112,05                 | 117,05                 | 119,99                 |
| 39                       | 56,63                  | 61,49                  | 66,33                  | 71,75                  | 76,75                  | 82,22                  | 87,22                  | 92,22                  | 97,22                  | 102,22                 | 107,22                 | 112,22                 | 117,22                 | 119,99                 |
| 40                       | 56,78                  | 61,64                  | 66,48                  | 71,90                  | 76,90                  | 82,39                  | 87,39                  | 92,39                  | 97,39                  | 102,39                 | 107,39                 | 112,39                 | 117,39                 | 119,99                 |
| 41                       | 56,93                  | 61,79                  | 66,63                  | 72,05                  | 77,05                  | 82,56                  | 87,56                  | 92,56                  | 97,56                  | 102,56                 | 107,56                 | 112,56                 | 117,56                 | 119,99                 |
| 42                       | 57,08                  | 61,94                  | 66,78                  | 72,20                  | 77,20                  | 82,73                  | 87,73                  | 92,73                  | 97,73                  | 102,73                 | 107,73                 | 112,73                 | 117,73                 | 119,99                 |
| 43                       | 57,23                  | 62,09                  | 66,93                  | 72,35                  | 77,35                  | 82,90                  | 87,90                  | 92,90                  | 97,90                  | 102,90                 | 107,90                 | 112,90                 | 117,90                 | 119,99                 |
| 44                       | 57,38                  | 62,24                  | 67,08                  | 72,50                  | 77,50                  | 83,07                  | 88,07                  | 93,07                  | 98,07                  | 103,07                 | 108,07                 | 113,07                 | 118,07                 | 119,99                 |
| 45                       | 57,53                  | 62,39                  | 67,23                  | 72,65                  | 77,65                  | 83,24                  | 88,24                  | 93,24                  | 98,24                  | 103,24                 | 108,24                 | 113,24                 | 118,24                 | 119,99                 |
| 46                       | 57,68                  | 62,54                  | 67,38                  | 72,80                  | 77,80                  | 83,41                  | 88,41                  | 93,41                  | 98,41                  | 103,41                 | 108,41                 | 113,41                 | 118,41                 | 119,99                 |
| 47                       | 57,83                  | 62,69                  | 67,53                  | 72,95                  | 77,95                  | 83,58                  | 88,58                  | 93,58                  | 98,58                  | 103,58                 | 108,58                 | 113,58                 | 118,58                 | 119,99                 |

Номера и диаметры D, мм

шлангов

серии

Продолжение табл. 4

Номера и диаметры D, мм

| Обозначение<br>проката | Размеры, мм            |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|
|                        | 2103-2033<br>2103-2035 | 2103-2039<br>2103-2043 | 2103-2045<br>2103-2049 | 2103-2053<br>2103-2056 | 2103-2059<br>2103-2063 | 2103-2065<br>2103-2069 | 2103-2073<br>2103-2076 | 2103-2079<br>2103-2083 | 2103-2086 | 2103-2089 | 2103-2093 | 2103-2095 |
| D × m                  | 60 × 3,5               | 63 × 3,5               | 70 × 3,5               | 75 × 3,5               | 80 × 3,5               | 85 × 3,5               | 90 × 3,5               | 95 × 3,5               | 100 × 3,5 | 105 × 3,5 | 110 × 3,5 | 120 × 3,5 |
| 48                     | 57,98                  | 62,84                  | 67,68                  | 73,10                  | 78,10                  | 83,75                  | 88,75                  | 93,75                  | 98,75     | 103,75    | 108,75    | 118,62    |
| 49                     | 58,13                  | 62,99                  | 67,83                  | 73,25                  | 78,25                  | 83,92                  | 88,92                  | 93,92                  | 98,92     | 103,92    | 108,92    | 118,79    |
| 50                     | 58,28                  | 63,14                  | 67,98                  | 73,40                  | 78,40                  | 84,09                  | 89,09                  | 94,09                  | 99,09     | 104,09    | 109,09    | 118,96    |
| 51                     | 58,43                  | 63,29                  | 68,13                  | 73,55                  | 78,55                  | 84,26                  | 89,26                  | 94,26                  | 99,26     | 104,26    | 109,26    | 119,13    |
| 52                     | 58,58                  | 63,44                  | 68,28                  | 73,70                  | 78,70                  | 84,43                  | 89,43                  | 94,43                  | 99,43     | 104,43    | 109,43    | 119,30    |
| 53                     | 58,73                  | 63,59                  | 68,43                  | 73,85                  | 78,85                  | 84,60                  | 89,60                  | 94,60                  | 99,60     | 104,60    | 109,60    | 119,47    |
| 54                     | 58,88                  | 63,74                  | 68,58                  | 74,00                  | 79,00                  | 84,77                  | 89,77                  | 94,77                  | 99,77     | 104,77    | 109,77    | 119,64    |
| 55                     | 59,03                  | 63,89                  | 68,73                  | 74,15                  | 79,15                  | 84,77                  | 89,77                  | 94,77                  | 99,77     | 104,77    | 109,77    | 119,64    |
| 56                     | 59,18                  | 64,04                  | 68,88                  | 74,30                  | 79,30                  |                        |                        |                        |           |           |           |           |
| 57                     | 59,33                  | 64,19                  | 69,03                  | 74,45                  | 79,45                  |                        |                        |                        |           |           |           |           |
| 58                     | 59,48                  | 64,34                  | 69,18                  | 74,60                  | 79,60                  |                        |                        |                        |           |           |           |           |
| 59                     | 59,63                  | 64,49                  | 69,33                  | 74,75                  | 79,75                  |                        |                        |                        |           |           |           |           |
| 60                     | 59,78                  | 64,64                  | 69,48                  | 74,75                  | 79,75                  |                        |                        |                        |           |           |           |           |
| 61                     | 59,78                  | 64,64                  | 69,63                  |                        |                        |                        |                        |                        |           |           |           |           |
| 62                     |                        |                        | 69,78                  |                        |                        |                        |                        |                        |           |           |           |           |
| 63                     |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |
| 64                     |                        |                        |                        |                        |                        |                        |                        |                        |           |           |           |           |

Номера и диаметры D, мм

мм

черновых

кажд-

рующихся

Размеры, мм

| Обозначение<br>профиля                | 2403-3099 | 2403-3703 |       | 2403-3709 |       | 2403-3713 |       | 2403-3716 |       | 2403-3719 |       | 2403-3723 |       | 2403-3729 |       | 2403-3743 |       | 2403-3746 |       |
|---------------------------------------|-----------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
|                                       |           | 2403-3705 |       | 2403-3709 |       | 2403-3713 |       | 2403-3716 |       | 2403-3719 |       | 2403-3723 |       | 2403-3729 |       | 2403-3743 |       | 2403-3746 |       |
| D × m                                 | 130 × 3,5 | 60 × 4    |       | 65 × 4    |       | 70 × 4    |       | 75 × 4    |       | 80 × 4    |       | 85 × 4    |       | 90 × 4    |       | 95 × 4    |       | 100 × 4   |       |
|                                       |           | 60 × 4    |       | 65 × 4    |       | 70 × 4    |       | 75 × 4    |       | 80 × 4    |       | 85 × 4    |       | 90 × 4    |       | 95 × 4    |       | 100 × 4   |       |
| Крышки<br>чистоты<br>ручных<br>кранов | 1         | 122,40    | 51,40 | 56,40     | 56,40 | 61,40     | 61,40 | 66,40     | 66,40 | 71,40     | 71,40 | 76,40     | 76,40 | 81,40     | 81,40 | 86,40     | 86,40 | 91,40     | 91,40 |
|                                       | 2         | 122,52    | 51,55 | 56,55     | 56,54 | 61,54     | 61,54 | 66,55     | 66,55 | 71,55     | 71,55 | 76,55     | 76,55 | 81,55     | 81,55 | 86,55     | 86,55 | 91,55     | 91,57 |
|                                       | 3         | 122,64    | 51,70 | 56,70     | 56,68 | 61,68     | 61,68 | 66,70     | 66,70 | 71,70     | 71,70 | 76,70     | 76,70 | 81,70     | 81,70 | 86,70     | 86,70 | 91,70     | 91,74 |
|                                       | 4         | 122,76    | 51,85 | 56,85     | 56,82 | 61,82     | 61,82 | 66,85     | 66,85 | 71,85     | 71,85 | 76,85     | 76,85 | 81,85     | 81,85 | 86,85     | 86,85 | 91,85     | 91,91 |
|                                       | 5         | 122,88    | 52,00 | 57,00     | 56,96 | 61,96     | 61,96 | 67,00     | 67,00 | 72,00     | 72,00 | 77,00     | 77,00 | 82,00     | 82,00 | 87,00     | 87,00 | 92,00     | 92,08 |
|                                       | 6         | 123,00    | 52,15 | 57,15     | 57,10 | 62,10     | 62,10 | 67,15     | 67,15 | 72,15     | 72,15 | 77,15     | 77,15 | 82,15     | 82,15 | 87,15     | 87,15 | 92,15     | 92,25 |
|                                       | 7         | 123,12    | 52,30 | 57,30     | 57,24 | 62,24     | 62,24 | 67,30     | 67,30 | 72,30     | 72,30 | 77,30     | 77,30 | 82,30     | 82,30 | 87,30     | 87,30 | 92,30     | 92,42 |
|                                       | 8         | 123,24    | 52,45 | 57,45     | 57,38 | 62,38     | 62,38 | 67,45     | 67,45 | 72,45     | 72,45 | 77,45     | 77,45 | 82,45     | 82,45 | 87,45     | 87,45 | 92,45     | 92,59 |
|                                       | 9         | 123,36    | 52,60 | 57,60     | 57,52 | 62,52     | 62,52 | 67,60     | 67,60 | 72,60     | 72,60 | 77,60     | 77,60 | 82,60     | 82,60 | 87,60     | 87,60 | 92,60     | 92,76 |
|                                       | 10        | 123,48    | 52,75 | 57,75     | 57,66 | 62,66     | 62,66 | 67,75     | 67,75 | 72,75     | 72,75 | 77,75     | 77,75 | 82,75     | 82,75 | 87,75     | 87,75 | 92,75     | 92,93 |
|                                       | 11        | 123,60    | 52,90 | 57,90     | 57,80 | 62,80     | 62,80 | 67,90     | 67,90 | 72,90     | 72,90 | 77,90     | 77,90 | 82,90     | 82,90 | 87,90     | 87,90 | 92,90     | 93,10 |
|                                       | 12        | 123,72    | 53,05 | 58,05     | 57,94 | 62,94     | 62,94 | 68,05     | 68,05 | 73,05     | 73,05 | 78,05     | 78,05 | 83,05     | 83,05 | 88,05     | 88,05 | 93,05     | 93,27 |
|                                       | 13        | 123,84    | 53,20 | 58,20     | 58,08 | 63,08     | 63,08 | 68,20     | 68,20 | 73,20     | 73,20 | 78,20     | 78,20 | 83,20     | 83,20 | 88,20     | 88,20 | 93,20     | 93,44 |
|                                       | 14        | 123,96    | 53,35 | 58,35     | 58,22 | 63,22     | 63,22 | 68,35     | 68,35 | 73,35     | 73,35 | 78,35     | 78,35 | 83,35     | 83,35 | 88,35     | 88,35 | 93,35     | 93,61 |
|                                       | 15        | 124,08    | 53,50 | 58,50     | 58,36 | 63,36     | 63,36 | 68,50     | 68,50 | 73,50     | 73,50 | 78,50     | 78,50 | 83,50     | 83,50 | 88,50     | 88,50 | 93,50     | 93,79 |
|                                       | 16        | 124,20    | 53,65 | 58,65     | 58,50 | 63,50     | 63,50 | 68,65     | 68,65 | 73,65     | 73,65 | 78,65     | 78,65 | 83,65     | 83,65 | 88,65     | 88,65 | 93,65     | 93,94 |
|                                       | 17        | 124,32    | 53,80 | 58,80     | 58,64 | 63,64     | 63,64 | 68,80     | 68,80 | 73,80     | 73,80 | 78,80     | 78,80 | 83,80     | 83,80 | 88,80     | 88,80 | 93,80     | 94,09 |
|                                       | 18        | 124,44    | 53,95 | 58,95     | 58,78 | 63,78     | 63,78 | 68,95     | 68,95 | 73,95     | 73,95 | 78,95     | 78,95 | 83,95     | 83,95 | 88,95     | 88,95 | 93,95     | 94,26 |
|                                       | 19        | 124,56    | 54,10 | 59,10     | 58,92 | 63,92     | 63,92 | 69,10     | 69,10 | 74,10     | 74,10 | 79,10     | 79,10 | 84,10     | 84,10 | 89,10     | 89,10 | 94,10     | 94,41 |
|                                       | 20        | 124,68    | 54,25 | 59,25     | 59,06 | 64,06     | 64,06 | 69,25     | 69,25 | 74,25     | 74,25 | 79,25     | 79,25 | 84,25     | 84,25 | 89,25     | 89,25 | 94,25     | 94,57 |
|                                       | 21        | 124,80    | 54,40 | 59,40     | 59,20 | 64,20     | 64,20 | 69,40     | 69,40 | 74,40     | 74,40 | 79,40     | 79,40 | 84,40     | 84,40 | 89,40     | 89,40 | 94,40     | 94,71 |
|                                       | 22        | 124,92    | 54,55 | 59,55     | 59,34 | 64,34     | 64,34 | 69,55     | 69,55 | 74,55     | 74,55 | 79,55     | 79,55 | 84,55     | 84,55 | 89,55     | 89,55 | 94,55     | 94,87 |
|                                       | 23        | 125,04    | 54,70 | 59,70     | 59,48 | 64,48     | 64,48 | 69,70     | 69,70 | 74,70     | 74,70 | 79,70     | 79,70 | 84,70     | 84,70 | 89,70     | 89,70 | 94,70     | 95,07 |
|                                       | 24        | 125,16    | 54,85 | 59,85     | 59,64 | 64,64     | 64,64 | 69,85     | 69,85 | 74,85     | 74,85 | 79,85     | 79,85 | 84,85     | 84,85 | 89,85     | 89,85 | 94,85     | 95,23 |
|                                       | 25        | 125,28    | 55,00 | 59,99     | 59,76 | 64,76     | 64,76 | 69,99     | 69,99 | 74,99     | 74,99 | 79,99     | 79,99 | 84,99     | 84,99 | 89,99     | 89,99 | 94,99     | 95,39 |

Номера и диаметры D, мм

Размеры, мм

| Обозначение<br>профиля |          | 2403-3099 |        | 2403-3703<br>2403-3705 |       | 2403-3709 |       | 2403-3713 |       | 2403-3716 |       | 2403-3719 |       | 2403-3723<br>2403-3725 |  | 2403-3729 |  | 2403-3739 |  | 2403-3743 |  | 2403-3746 |  |
|------------------------|----------|-----------|--------|------------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|------------------------|--|-----------|--|-----------|--|-----------|--|-----------|--|
| D × m                  |          | 130 × 3,5 |        | 60 × 4                 |       | 65 × 4    |       | 70 × 4    |       | 75 × 4    |       | 80 × 4    |       | 85 × 4                 |  | 90 × 4    |  |           |  |           |  |           |  |
|                        |          |           |        |                        |       |           |       |           |       |           |       |           |       |                        |  |           |  |           |  |           |  |           |  |
| ШЛИЦЕВЫХ               | Черновых | 26        | 124,38 | 53,80                  | 58,80 | 58,67     | 63,68 | 63,38     | 68,80 | 73,80     | 78,80 | 79,12     | 83,80 | 84,12                  |  |           |  |           |  |           |  |           |  |
|                        |          | 27        | 124,53 | 53,95                  | 58,95 | 58,82     | 63,83 | 63,53     | 68,95 | 73,95     | 78,95 | 79,29     | 83,95 | 84,29                  |  |           |  |           |  |           |  |           |  |
|                        |          | 28        | 124,68 | 54,10                  | 59,10 | 58,97     | 63,98 | 63,68     | 69,10 | 74,10     | 79,10 | 79,46     | 84,10 | 84,46                  |  |           |  |           |  |           |  |           |  |
|                        |          | 29        | 124,83 | 54,25                  | 59,25 | 59,12     | 64,13 | 63,83     | 69,25 | 74,25     | 79,25 | 79,63     | 84,25 | 84,63                  |  |           |  |           |  |           |  |           |  |
|                        |          | 30        | 124,98 | 54,40                  | 59,40 | 59,27     | 64,28 | 63,98     | 69,40 | 74,40     | 79,40 | 79,80     | 84,40 | 84,80                  |  |           |  |           |  |           |  |           |  |
|                        |          | 31        | 125,13 | 54,55                  | 59,55 | 59,42     | 64,43 | 64,13     | 69,55 | 74,55     | 79,55 | 79,97     | 84,55 | 84,97                  |  |           |  |           |  |           |  |           |  |
|                        |          | 32        | 125,28 | 54,70                  | 59,70 | 59,57     | 64,58 | 64,28     | 69,70 | 74,70     | 79,70 | 80,14     | 84,70 | 85,14                  |  |           |  |           |  |           |  |           |  |
|                        |          | 33        | 125,43 | 54,85                  | 59,85 | 59,72     | 64,73 | 64,43     | 69,85 | 74,85     | 79,85 | 80,31     | 84,85 | 85,31                  |  |           |  |           |  |           |  |           |  |
|                        |          | 34        | 125,58 | 55,00                  | 60,00 | 59,87     | 64,88 | 64,58     | 70,00 | 75,00     | 80,00 | 80,48     | 85,00 | 85,48                  |  |           |  |           |  |           |  |           |  |
|                        |          | 35        | 125,73 | 55,15                  | 60,15 | 60,02     | 65,03 | 64,73     | 70,15 | 75,15     | 80,15 | 80,65     | 85,15 | 85,65                  |  |           |  |           |  |           |  |           |  |
|                        |          | 36        | 125,88 | 55,30                  | 60,30 | 60,17     | 65,18 | 64,88     | 70,30 | 75,30     | 80,30 | 80,82     | 85,30 | 85,82                  |  |           |  |           |  |           |  |           |  |
|                        |          | 37        | 126,03 | 55,45                  | 60,45 | 60,32     | 65,33 | 65,03     | 70,45 | 75,45     | 80,45 | 80,99     | 85,45 | 85,99                  |  |           |  |           |  |           |  |           |  |
|                        |          | 38        | 126,18 | 55,60                  | 60,60 | 60,47     | 65,48 | 65,18     | 70,60 | 75,60     | 80,60 | 81,16     | 85,60 | 86,16                  |  |           |  |           |  |           |  |           |  |
|                        |          | 39        | 126,33 | 55,75                  | 60,75 | 60,62     | 65,63 | 65,33     | 70,75 | 75,75     | 80,75 | 81,33     | 85,75 | 86,33                  |  |           |  |           |  |           |  |           |  |
|                        |          | 40        | 126,48 | 55,90                  | 60,90 | 60,77     | 65,78 | 65,48     | 70,90 | 75,90     | 80,90 | 81,50     | 85,90 | 86,50                  |  |           |  |           |  |           |  |           |  |
|                        |          | 41        | 126,63 | 56,05                  | 61,05 | 60,92     | 65,93 | 65,63     | 71,05 | 76,05     | 81,05 | 81,67     | 86,05 | 86,67                  |  |           |  |           |  |           |  |           |  |
|                        |          | 42        | 126,78 | 56,20                  | 61,20 | 61,07     | 66,08 | 65,78     | 71,20 | 76,20     | 81,20 | 81,84     | 86,20 | 86,84                  |  |           |  |           |  |           |  |           |  |
|                        |          | 43        | 126,93 | 56,35                  | 61,35 | 61,22     | 66,23 | 65,93     | 71,35 | 76,35     | 81,35 | 82,01     | 86,35 | 87,01                  |  |           |  |           |  |           |  |           |  |
|                        |          | 44        | 127,08 | 56,50                  | 61,50 | 61,37     | 66,38 | 66,08     | 71,50 | 76,50     | 81,50 | 82,18     | 86,50 | 87,18                  |  |           |  |           |  |           |  |           |  |
|                        |          | 45        | 127,23 | 56,65                  | 61,65 | 61,52     | 66,53 | 66,23     | 71,65 | 76,65     | 81,65 | 82,35     | 86,65 | 87,35                  |  |           |  |           |  |           |  |           |  |
|                        |          | 46        | 127,38 | 56,80                  | 61,80 | 61,67     | 66,68 | 66,38     | 71,80 | 76,80     | 81,80 | 82,52     | 86,80 | 87,52                  |  |           |  |           |  |           |  |           |  |
|                        |          | 47        | 127,53 | 56,95                  | 61,95 | 61,82     | 66,83 | 66,53     | 71,95 | 76,95     | 81,95 | 82,69     | 86,95 | 87,69                  |  |           |  |           |  |           |  |           |  |
|                        |          | 48        | 127,68 | 57,10                  | 62,10 | 61,97     | 66,98 | 66,68     | 72,10 | 77,10     | 82,10 | 82,86     | 87,10 | 87,86                  |  |           |  |           |  |           |  |           |  |
| ПЕРЕКРЫТИЯ             |          |           |        |                        |       |           |       |           |       |           |       |           |       |                        |  |           |  |           |  |           |  |           |  |

Номера и диаметры  $D_1$  зубьев

Размеры, мм

| Обозначение<br>профиля | 2403-3699 | 2403-3703<br>2403-3706 | 2403-3709 | 2403-3713 | 2403-3716 | 2403-3719 | 2403-3723<br>2403-3726 | 2403-3729<br>2403-3733 | 2403-3736 | 2403-3739 | 2403-3743 | 2403-3746 |
|------------------------|-----------|------------------------|-----------|-----------|-----------|-----------|------------------------|------------------------|-----------|-----------|-----------|-----------|
|                        |           |                        |           |           |           |           |                        |                        |           |           |           |           |
| D × H                  | 130 × 3,5 | 60 × 4                 | 60 × 4    | 60 × 4    | 70 × 4    | 70 × 4    | 75 × 4                 | 80 × 4                 | 85 × 4    | 90 × 4    | 90 × 4    | 90 × 4    |
|                        |           |                        |           |           |           |           |                        |                        |           |           |           |           |
| ШЛИКОВЫХ               | 49        | 127,83                 | 57,25     | 62,12     | 67,13     | 66,83     | 72,25                  | 77,25                  | 82,25     | 83,03     | 87,25     | 88,03     |
|                        | 50        | 127,98                 | 57,40     | 62,27     | 67,28     | 66,98     | 72,40                  | 77,40                  | 82,40     | 83,20     | 87,40     | 88,20     |
|                        | 51        | 128,13                 | 57,55     | 62,42     | 67,43     | 67,13     | 72,55                  | 77,55                  | 82,55     | 83,37     | 87,55     | 88,37     |
|                        | 52        | 128,28                 | 57,70     | 62,57     | 67,58     | 67,28     | 72,70                  | 77,70                  | 82,70     | 83,54     | 87,70     | 88,54     |
|                        | 53        | 128,43                 | 57,85     | 62,72     | 67,73     | 67,43     | 72,85                  | 77,85                  | 82,85     | 83,71     | 87,85     | 88,71     |
|                        | 54        | 128,58                 | 58,00     | 62,87     | 67,88     | 67,58     | 73,00                  | 78,00                  | 83,00     | 83,88     | 88,00     | 88,88     |
|                        | 55        | 128,73                 | 58,15     | 63,02     | 68,03     | 67,73     | 73,15                  | 78,15                  | 83,15     | 84,05     | 88,15     | 89,05     |
|                        | 56        | 128,88                 | 58,30     | 63,17     | 68,18     | 67,88     | 73,30                  | 78,30                  | 83,30     | 84,22     | 88,30     | 89,22     |
|                        | 57        | 129,03                 | 58,45     | 63,32     | 68,33     | 68,03     | 73,45                  | 78,45                  | 83,45     | 84,39     | 88,45     | 89,39     |
|                        | 58        | 129,18                 | 58,60     | 63,47     | 68,48     | 68,18     | 73,60                  | 78,60                  | 83,60     | 84,56     | 88,60     | 89,56     |
| КАЛИБР-<br>ПЮЖИХ       | 59        | 129,33                 | 58,75     | 63,62     | 68,63     | 68,33     | 73,75                  | 78,75                  | 83,75     | 84,73     | 88,75     | 89,73     |
|                        | 60        | 129,48                 | 58,90     | 63,77     | 68,78     | 68,48     | 73,90                  | 78,90                  | 83,90     | 84,73     | 88,90     | 89,73     |
|                        | 61        | 129,63                 | 59,05     | 63,92     | 68,93     | 68,63     | 74,05                  | 79,05                  | 84,05     |           | 89,05     |           |
|                        | 62        | 129,78                 | 59,20     | 64,07     | 69,08     | 68,78     | 74,20                  | 79,20                  | 84,20     |           | 89,20     |           |
|                        | 63        | 129,78                 | 59,35     | 64,22     | 69,23     | 68,93     | 74,35                  | 79,35                  | 84,35     |           | 89,35     |           |
|                        | 64        |                        | 59,50     | 64,37     | 69,38     | 69,08     | 74,50                  | 79,50                  | 84,50     |           | 89,50     |           |
|                        | 65        |                        | 59,65     | 64,52     | 69,53     | 69,23     | 74,65                  | 79,65                  | 84,65     |           | 89,65     |           |
|                        | 66        |                        | 59,65     | 64,67     | 69,68     | 69,38     | 74,65                  | 79,65                  | 84,65     |           | 89,65     |           |
|                        | 67        |                        |           | 64,67     | 69,68     | 69,53     |                        |                        |           |           |           |           |
|                        | 68        |                        |           |           | 69,68     | 69,68     |                        |                        |           |           |           |           |
| 70                     |           |                        |           |           |           | 69,68     |                        |                        |           |           |           |           |

Номера в анамнезе D, з/д/б/в



Продолжение табл. 4

| Обозначение<br>профиля |    | Размеры, мм |           |           |           |           |           |           |           |           |           |           |           | 2403-3786 |           |
|------------------------|----|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                        |    | 95×4        |           |           |           | 100×4     |           |           |           | 105×4     |           |           |           | 2403-3783 |           |
|                        |    | 2403-3719   | 2403-3723 | 2403-3726 | 2403-3729 | 2403-3733 | 2403-3736 | 2403-3739 | 2403-3743 | 2403-3746 | 2403-3749 | 2403-3753 | 2403-3756 | 2403-3759 | 2403-3763 |
| D × d                  |    | 100×4       |           |           |           | 105×4     |           |           |           | 110×4     |           |           |           | 120×4     |           |
|                        |    | 2403-3719   | 2403-3723 | 2403-3726 | 2403-3729 | 2403-3733 | 2403-3736 | 2403-3739 | 2403-3743 | 2403-3746 | 2403-3749 | 2403-3753 | 2403-3756 | 2403-3759 | 2403-3763 |
| Фасонных               | 1  | 86,40       | 86,40     | 91,40     | 91,40     | 96,40     | 96,40     | 91,40     | 96,40     | 96,40     | 101,40    | 101,40    | 111,40    | 111,40    | 121,40    |
|                        | 2  | 86,55       | 86,57     | 91,55     | 91,58     | 96,55     | 96,58     | 91,58     | 96,55     | 96,58     | 101,56    | 101,58    | 111,56    | 111,58    | 121,56    |
|                        | 3  | 86,70       | 86,74     | 91,70     | 91,76     | 96,70     | 96,76     | 91,76     | 96,70     | 96,76     | 101,72    | 101,76    | 111,72    | 111,76    | 121,72    |
|                        | 4  | 86,85       | 86,91     | 91,85     | 91,94     | 96,85     | 96,94     | 91,94     | 96,85     | 96,94     | 101,88    | 101,94    | 111,88    | 111,94    | 121,88    |
|                        | 5  | 87,00       | 87,08     | 92,00     | 92,12     | 97,00     | 97,12     | 92,12     | 97,00     | 97,12     | 102,04    | 102,12    | 112,04    | 112,12    | 122,04    |
|                        | 6  | 87,15       | 87,25     | 92,15     | 92,30     | 97,15     | 97,30     | 92,30     | 97,15     | 97,30     | 102,20    | 102,30    | 112,20    | 112,30    | 122,20    |
|                        | 7  | 87,30       | 87,42     | 92,30     | 92,48     | 97,30     | 97,48     | 92,48     | 97,30     | 97,48     | 102,36    | 102,48    | 112,36    | 112,48    | 122,36    |
|                        | 8  | 87,45       | 87,59     | 92,45     | 92,66     | 97,45     | 97,66     | 92,66     | 97,45     | 97,66     | 102,52    | 102,66    | 112,52    | 112,66    | 122,52    |
|                        | 9  | 87,60       | 87,76     | 92,60     | 92,84     | 97,60     | 97,84     | 92,84     | 97,60     | 97,84     | 102,68    | 102,84    | 112,68    | 112,84    | 122,68    |
|                        | 10 | 87,75       | 87,93     | 92,75     | 93,02     | 97,75     | 98,02     | 93,02     | 97,75     | 98,02     | 102,84    | 103,02    | 112,84    | 113,02    | 122,84    |
|                        | 11 | 87,90       | 88,10     | 92,90     | 93,20     | 97,90     | 98,20     | 93,20     | 97,90     | 98,20     | 103,00    | 103,20    | 113,00    | 113,20    | 123,00    |
| Крытых                 | 12 | 88,05       | 88,27     | 93,05     | 93,64     | 98,05     | 98,64     | 93,64     | 98,05     | 98,64     | 103,16    | 103,38    | 113,16    | 113,61    | 123,16    |
|                        | 13 | 88,20       | 88,64     | 93,20     | 93,79     | 98,20     | 98,79     | 93,79     | 98,20     | 98,79     | 103,32    | 103,61    | 113,61    | 114,17    | 123,32    |
|                        | 14 | 88,64       | 88,79     | 93,64     | 93,94     | 98,64     | 98,94     | 93,94     | 98,64     | 98,94     | 103,61    | 103,77    | 113,77    | 114,33    | 123,63    |
|                        | 15 | 88,79       | 88,94     | 93,79     | 94,09     | 98,79     | 99,09     | 94,09     | 98,79     | 99,09     | 103,77    | 103,93    | 113,93    | 114,39    | 123,79    |
|                        | 16 | 88,94       | 89,09     | 93,94     | 94,26     | 98,94     | 99,26     | 94,26     | 98,94     | 99,26     | 103,93    | 104,09    | 114,09    | 114,56    | 123,95    |
|                        | 17 | 89,09       | 89,16     | 94,09     | 94,39     | 99,09     | 99,39     | 94,39     | 99,09     | 99,39     | 104,09    | 104,26    | 114,26    | 114,73    | 124,11    |
|                        | 18 | 89,16       | 89,19     | 94,16     | 94,46     | 99,16     | 99,46     | 94,46     | 99,16     | 99,46     | 104,26    | 104,43    | 114,43    | 114,90    | 124,18    |
|                        | 19 | 89,19       | 89,19     | 94,19     | 94,49     | 99,19     | 99,49     | 94,49     | 99,19     | 99,49     | 104,43    | 104,60    | 114,60    | 115,07    | 124,21    |
|                        | 20 | 89,19       | 89,19     | 94,19     | 94,49     | 99,19     | 99,49     | 94,49     | 99,19     | 99,49     | 104,43    | 104,60    | 114,60    | 115,07    | 124,21    |
|                        | 21 | 89,19       | 89,19     | 94,19     | 94,49     | 99,19     | 99,49     | 94,49     | 99,19     | 99,49     | 104,43    | 104,60    | 114,60    | 115,07    | 124,21    |
|                        | 22 | 89,19       | 89,19     | 94,19     | 94,49     | 99,19     | 99,49     | 94,49     | 99,19     | 99,49     | 104,43    | 104,60    | 114,60    | 115,07    | 124,21    |
| Шлицевых               | 23 | 88,35       | 88,61     | 93,35     | 93,74     | 98,35     | 98,74     | 93,74     | 98,35     | 98,74     | 103,48    | 103,74    | 113,48    | 113,74    | 123,48    |
|                        | 24 | 88,50       | 88,78     | 93,50     | 93,92     | 98,50     | 98,92     | 93,92     | 98,50     | 98,92     | 103,64    | 103,92    | 113,64    | 113,92    | 123,66    |

Помра и диаметры D, мм

Продолжение табл. 4

| Обозначение<br>профиля | Размеры, мм |           |           |           |           |           |           |           |           |           |        |        |  |  |  |  |
|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|--------|--|--|--|--|
|                        | 2403-3749   | 2403-3753 | 2403-3756 | 2403-3759 | 2403-3763 | 2403-3766 | 2403-3769 | 2403-3773 | 2403-3776 | 2403-3779 |        |        |  |  |  |  |
|                        | 95×4        |           |           | 100×4     |           |           | 110×4     |           |           | 120×4     |        |        |  |  |  |  |
| D×m                    |             |           |           |           |           |           |           |           |           |           |        |        |  |  |  |  |
|                        |             |           |           |           |           |           |           |           |           |           |        |        |  |  |  |  |
| 25                     | 88,65       | 88,95     | 93,65     | 94,10     | 98,65     | 99,10     | 103,80    | 104,10    | 113,80    | 114,10    | 123,80 | 123,83 |  |  |  |  |
| 26                     | 88,80       | 89,12     | 93,80     | 94,28     | 98,80     | 99,28     | 103,96    | 104,28    | 113,96    | 114,28    | 123,96 | 124,00 |  |  |  |  |
| 27                     | 88,95       | 89,29     | 93,95     | 94,46     | 98,95     | 99,46     | 104,12    | 104,46    | 114,12    | 114,46    | 124,12 | 124,17 |  |  |  |  |
| 28                     | 89,10       | 89,46     | 94,10     | 94,64     | 99,10     | 99,64     | 104,28    | 104,64    | 114,28    | 114,64    | 124,28 | 124,34 |  |  |  |  |
| 29                     | 89,25       | 89,63     | 94,25     | 94,82     | 99,25     | 99,82     | 104,44    | 104,82    | 114,44    | 114,82    | 124,44 | 124,51 |  |  |  |  |
| 30                     | 89,40       | 89,80     | 94,40     | 95,00     | 99,40     | 100,00    | 104,60    | 105,00    | 114,60    | 115,00    | 124,60 | 124,68 |  |  |  |  |
| 31                     | 89,55       | 89,97     | 94,55     | 95,18     | 99,55     | 100,18    | 104,76    | 105,18    | 114,76    | 115,18    | 124,76 | 124,85 |  |  |  |  |
| 32                     | 89,70       | 90,14     | 94,70     | 95,36     | 99,70     | 100,36    | 104,92    | 105,36    | 114,92    | 115,36    | 124,92 | 125,02 |  |  |  |  |
| 33                     | 89,85       | 90,31     | 94,85     | 95,54     | 99,85     | 100,54    | 105,08    | 105,54    | 115,08    | 115,54    | 125,08 | 125,19 |  |  |  |  |
| 34                     | 90,00       | 90,48     | 95,00     | 95,72     | 100,00    | 100,72    | 105,24    | 105,72    | 115,24    | 115,72    | 125,24 | 125,36 |  |  |  |  |
| 35                     | 90,15       | 90,65     | 95,15     | 95,90     | 100,15    | 100,90    | 105,40    | 105,90    | 115,40    | 115,90    | 125,40 | 125,53 |  |  |  |  |
| 36                     | 90,30       | 90,82     | 95,30     | 96,08     | 100,30    | 101,08    | 105,56    | 106,08    | 115,56    | 116,08    | 125,56 | 125,70 |  |  |  |  |
| 37                     | 90,45       | 90,99     | 95,45     | 96,26     | 100,45    | 101,26    | 105,72    | 106,26    | 115,72    | 116,26    | 125,72 | 125,87 |  |  |  |  |
| 38                     | 90,60       | 91,16     | 95,60     | 96,44     | 100,60    | 101,44    | 105,88    | 106,44    | 115,88    | 116,44    | 125,88 | 126,04 |  |  |  |  |
| 39                     | 90,75       | 91,33     | 95,75     | 96,62     | 100,75    | 101,62    | 106,04    | 106,62    | 116,04    | 116,62    | 126,04 | 126,21 |  |  |  |  |
| 40                     | 90,90       | 91,50     | 95,90     | 96,80     | 100,90    | 101,80    | 106,20    | 106,80    | 116,20    | 116,80    | 126,20 | 126,38 |  |  |  |  |
| 41                     | 91,05       | 91,67     | 96,05     | 96,98     | 101,05    | 101,98    | 106,36    | 106,98    | 116,36    | 116,98    | 126,36 | 126,55 |  |  |  |  |
| 42                     | 91,20       | 91,84     | 96,20     | 97,16     | 101,20    | 102,16    | 106,52    | 107,16    | 116,52    | 117,16    | 126,52 | 126,72 |  |  |  |  |
| 43                     | 91,35       | 92,01     | 96,35     | 97,34     | 101,35    | 102,34    | 106,68    | 107,34    | 116,68    | 117,34    | 126,68 | 126,89 |  |  |  |  |
| 44                     | 91,50       | 92,18     | 96,50     | 97,52     | 101,50    | 102,52    | 106,84    | 107,52    | 116,84    | 117,52    | 126,84 | 127,06 |  |  |  |  |
| 45                     | 91,65       | 92,35     | 96,65     | 97,70     | 101,65    | 102,70    | 107,00    | 107,70    | 117,00    | 117,70    | 127,00 | 127,23 |  |  |  |  |
| 46                     | 91,80       | 92,52     | 96,80     | 97,88     | 101,80    | 102,88    | 107,16    | 107,88    | 117,16    | 117,88    | 127,16 | 127,40 |  |  |  |  |
| 47                     | 91,95       | 92,69     | 96,95     | 98,06     | 101,95    | 103,06    | 107,32    | 108,06    | 117,32    | 118,06    | 127,32 | 127,57 |  |  |  |  |
| 48                     | 92,10       | 92,86     | 97,10     | 98,24     | 102,10    | 103,24    | 107,48    | 108,24    | 117,48    | 118,24    | 127,48 | 127,74 |  |  |  |  |

Номера и размеры D, мм

Шлицевых

Черновых

Продолжение табл. 4

| Обозначение<br>прокатки |    | Размеры, мм |           |           |           |           |           |           |           |           |           |           |           |
|-------------------------|----|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                         |    | 2403-3749   | 2403-3753 | 2403-3756 | 2403-3759 | 2403-3763 | 2403-3766 | 2403-3769 | 2403-3773 | 2403-3776 | 2403-3779 | 2403-3783 | 2403-3786 |
| D × m                   |    | 56 × 4      |           |           | 100 × 4   |           |           | 105 × 4   |           |           | 110 × 4   |           |           |
|                         |    | 2403-3749   | 2403-3753 | 2403-3756 | 2403-3759 | 2403-3763 | 2403-3766 | 2403-3769 | 2403-3773 | 2403-3776 | 2403-3779 | 2403-3783 | 2403-3786 |
| шлицевых                | 49 | 92,25       | 93,03     | 97,25     | 98,42     | 102,25    | 103,42    | 107,64    | 108,42    | 117,64    | 118,42    | 127,64    | 127,91    |
|                         | 50 | 92,40       | 93,20     | 97,40     | 98,60     | 102,40    | 103,60    | 107,80    | 108,60    | 117,80    | 118,60    | 127,80    | 128,08    |
|                         | 51 | 92,55       | 93,37     | 97,55     | 98,78     | 102,55    | 103,78    | 107,96    | 108,78    | 117,96    | 118,78    | 127,96    | 128,25    |
|                         | 52 | 92,70       | 93,54     | 97,70     | 98,96     | 102,70    | 103,96    | 108,12    | 108,96    | 118,12    | 118,96    | 128,12    | 128,42    |
|                         | 53 | 92,85       | 93,71     | 97,85     | 99,14     | 102,85    | 104,14    | 108,28    | 109,14    | 118,28    | 119,14    | 128,28    | 128,59    |
|                         | 54 | 93,00       | 93,88     | 98,00     | 99,32     | 103,00    | 104,32    | 108,44    | 109,32    | 118,44    | 119,32    | 128,44    | 128,76    |
|                         | 55 | 93,15       | 94,05     | 98,15     | 99,50     | 103,15    | 104,50    | 108,60    | 109,50    | 118,60    | 119,50    | 128,60    | 128,93    |
|                         | 56 | 93,30       | 94,22     | 98,30     | 99,68     | 103,30    | 104,68    | 108,76    | 109,68    | 118,76    | 119,68    | 128,76    | 129,10    |
|                         | 57 | 93,45       | 94,39     | 98,45     | 99,88     | 103,45    | 104,88    | 108,92    | 109,88    | 118,92    | 119,88    | 128,92    | 129,27    |
|                         | 58 | 93,60       | 94,56     | 98,60     |           | 103,60    |           | 109,08    |           | 119,08    |           | 129,08    | 129,44    |
| катаных<br>ручных       | 59 | 93,75       | 94,73     | 98,75     |           | 103,75    |           | 109,24    |           | 119,24    |           | 129,24    | 129,61    |
|                         | 60 | 93,90       | 94,73     | 98,90     |           | 103,90    |           | 109,40    |           | 119,40    |           | 129,40    | 129,78    |
|                         | 61 | 94,05       |           | 99,05     |           | 104,05    |           | 109,56    |           | 119,56    |           | 129,56    | 129,78    |
|                         | 62 | 94,20       |           | 99,20     |           | 104,20    |           | 109,72    |           | 119,72    |           | 129,72    |           |
|                         | 63 | 94,35       |           | 99,35     |           | 104,35    |           | 109,72    |           | 119,72    |           | 129,72    |           |
|                         | 64 | 94,50       |           | 99,50     |           | 104,50    |           | 109,72    |           | 119,72    |           | 129,72    |           |
|                         | 65 | 94,65       |           | 99,65     |           | 104,65    |           |           |           |           |           |           |           |
|                         | 66 | 94,65       |           | 99,65     |           | 104,65    |           |           |           |           |           |           |           |
|                         | 67 | 94,65       |           | 99,65     |           | 104,65    |           |           |           |           |           |           |           |

Номера и диаметры D, мм

Продолжение табл. 4

Homepa и диактрипа D, аэбей

| Обозначение<br>протина |   | Размеры, мм |           |           |           |           |           |           |           |           |           |           |        | 2403-3823 |  |
|------------------------|---|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-----------|--|
| D × m                  | φ | 2403-3789   | 2403-3793 | 2403-3796 | 2403-3799 | 2403-3803 | 2403-3806 | 2403-3809 | 2403-3813 | 2403-3816 | 2403-3819 | 2403-3823 |        |           |  |
|                        |   | 70 × 5      | 75 × 5    | 80 × 5    | 85 × 5    | 90 × 5    | 95 × 5    | 100 × 5   | 105 × 5   | 110 × 5   | 120 × 5   | 130 × 5   |        |           |  |
| Фасонных               |   | 1           | 59,40     | 64,40     | 69,40     | 74,40     | 79,40     | 84,40     | 89,40     | 94,40     | 99,40     | 109,40    | 119,40 |           |  |
|                        |   | 2           | 59,55     | 64,55     | 69,55     | 74,56     | 79,56     | 84,56     | 89,56     | 94,56     | 99,56     | 109,56    | 119,56 |           |  |
|                        |   | 3           | 59,70     | 64,70     | 69,70     | 74,72     | 79,72     | 84,72     | 89,72     | 94,72     | 99,72     | 109,72    | 119,72 |           |  |
|                        |   | 4           | 59,85     | 64,85     | 69,85     | 74,88     | 79,88     | 84,88     | 89,88     | 94,88     | 99,88     | 109,88    | 119,88 |           |  |
|                        |   | 5           | 60,00     | 65,00     | 70,00     | 75,04     | 80,04     | 85,04     | 90,04     | 95,04     | 100,04    | 110,04    | 120,04 |           |  |
|                        |   | 6           | 60,15     | 65,15     | 70,15     | 75,20     | 80,20     | 85,20     | 90,20     | 95,20     | 100,20    | 110,20    | 120,20 |           |  |
|                        |   | 7           | 60,30     | 65,30     | 70,30     | 75,36     | 80,36     | 85,36     | 90,36     | 95,36     | 100,36    | 110,36    | 120,36 |           |  |
|                        |   | 8           | 60,45     | 65,45     | 70,45     | 75,52     | 80,52     | 85,52     | 90,52     | 95,52     | 100,52    | 110,52    | 120,52 |           |  |
|                        |   | 9           | 60,60     | 65,60     | 70,60     | 75,68     | 80,68     | 85,68     | 90,68     | 95,68     | 100,68    | 110,68    | 120,68 |           |  |
|                        |   | 10          | 60,75     | 65,75     | 70,75     | 75,84     | 80,84     | 85,84     | 90,84     | 95,84     | 100,84    | 110,84    | 120,84 |           |  |
| Крытых                 |   | 11          | 60,90     | 65,90     | 70,90     | 76,00     | 81,00     | 86,00     | 91,00     | 96,00     | 101,00    | 111,00    | 121,00 |           |  |
|                        |   | 12          | 61,05     | 66,05     | 71,05     | 76,16     | 81,16     | 86,16     | 91,16     | 96,16     | 101,16    | 111,16    | 121,16 |           |  |
|                        |   | 13          | 61,20     | 66,20     | 71,20     | 76,32     | 81,32     | 86,32     | 91,32     | 96,32     | 101,32    | 111,32    | 121,32 |           |  |
|                        |   | 14          | 59,61     | 64,61     | 69,61     | 74,61     | 79,61     | 84,61     | 89,61     | 94,61     | 99,61     | 109,61    | 119,61 |           |  |
|                        |   | 15          | 59,76     | 64,76     | 69,76     | 74,76     | 79,76     | 84,77     | 89,77     | 94,77     | 99,77     | 109,77    | 119,77 |           |  |
|                        |   | 16          | 59,91     | 64,91     | 69,91     | 74,91     | 80,06     | 84,93     | 89,93     | 94,93     | 99,93     | 109,93    | 119,93 |           |  |
|                        |   | 17          | 60,06     | 65,06     | 70,06     | 75,06     | 80,13     | 85,09     | 90,09     | 95,09     | 100,09    | 109,09    | 120,09 |           |  |
|                        |   | 18          | 60,13     | 65,13     | 70,13     | 75,13     | 80,16     | 85,16     | 90,16     | 95,16     | 100,16    | 110,16    | 120,16 |           |  |
|                        |   | 19          | 60,16     | 65,16     | 70,16     | 75,16     | 80,16     | 85,19     | 90,19     | 95,19     | 100,19    | 110,19    | 120,19 |           |  |
|                        |   | 20          | 60,16     | 65,16     | 70,16     | 75,16     | 80,16     | 85,19     | 90,19     | 95,19     | 100,19    | 110,19    | 120,19 |           |  |
| Штучных                |   | 21          | 60,16     | 65,16     | 70,16     | 75,16     | 80,16     | 85,19     | 90,19     | 95,19     | 100,19    | 110,19    | 120,19 |           |  |
|                        |   | 22          | 60,16     | 65,16     | 70,16     | 75,16     | 80,16     | 85,19     | 90,19     | 95,19     | 100,19    | 110,19    | 120,19 |           |  |
|                        |   | 23          | 61,38     | 66,38     | 71,38     | 76,38     | 81,38     | 86,38     | 91,38     | 96,38     | 101,38    | 111,38    | 121,38 |           |  |
|                        |   | 24          | 61,56     | 66,56     | 71,56     | 76,56     | 81,56     | 86,56     | 91,56     | 96,56     | 101,56    | 111,56    | 121,56 |           |  |
|                        |   | 25          | 61,74     | 66,74     | 71,74     | 76,74     | 81,74     | 86,74     | 91,74     | 96,74     | 101,74    | 111,74    | 121,74 |           |  |
|                        |   | 26          | 61,92     | 66,92     | 71,92     | 76,92     | 81,92     | 86,92     | 91,92     | 96,92     | 101,92    | 111,92    | 121,92 |           |  |

Нормы и диаметры D, мм

Размеры, мм

| Обозначение<br>проката | D × m | 2 403-3789 | 2 403-3793 | 2 403-3796 | 2 403-3799 | 2 403-3803 | 2 403-3806 | 2 403-3809 | 2 403-3813 | 2 403-3815 | 2 403-3819 | 2 403-3823 |
|------------------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                        |       | 70 × 5     | 75 × 5     | 80 × 5     | 85 × 5     | 90 × 5     | 95 × 5     | 100 × 5    | 105 × 5    | 110 × 5    | 120 × 5    | 130 × 5    |
| Шлифованных            | 27    | 62,10      | 67,07      | 72,07      | 77,20      | 82,22      | 87,20      | 92,12      | 97,12      | 102,12     | 112,12     | 122,12     |
|                        | 28    | 62,28      | 67,25      | 72,25      | 77,38      | 82,40      | 87,38      | 92,28      | 97,28      | 102,28     | 112,28     | 122,28     |
|                        | 29    | 62,46      | 67,43      | 72,43      | 77,56      | 82,58      | 87,56      | 92,44      | 97,44      | 102,44     | 112,44     | 122,44     |
|                        | 30    | 62,64      | 67,61      | 72,61      | 77,74      | 82,76      | 87,74      | 92,60      | 97,60      | 102,60     | 112,60     | 122,60     |
|                        | 31    | 62,82      | 67,79      | 72,79      | 77,92      | 82,94      | 87,92      | 92,76      | 97,76      | 102,76     | 112,76     | 122,76     |
|                        | 32    | 63,00      | 67,97      | 72,97      | 78,10      | 83,12      | 88,10      | 92,92      | 97,92      | 102,92     | 112,92     | 122,92     |
|                        | 33    | 63,18      | 68,15      | 73,15      | 78,28      | 83,30      | 88,28      | 93,08      | 98,08      | 103,08     | 113,08     | 123,08     |
|                        | 34    | 63,36      | 68,33      | 73,33      | 78,46      | 83,48      | 88,46      | 93,24      | 98,24      | 103,24     | 113,24     | 123,24     |
|                        | 35    | 63,54      | 68,51      | 73,51      | 78,64      | 83,66      | 88,64      | 93,40      | 98,40      | 103,40     | 113,40     | 123,40     |
|                        | 36    | 63,72      | 68,69      | 73,69      | 78,82      | 83,84      | 88,82      | 93,56      | 98,56      | 103,56     | 113,56     | 123,56     |
|                        | 37    | 63,90      | 68,87      | 73,87      | 79,00      | 84,02      | 89,00      | 93,72      | 98,72      | 103,72     | 113,72     | 123,72     |
|                        | 38    | 64,08      | 69,05      | 74,05      | 79,18      | 84,20      | 89,18      | 93,88      | 98,88      | 103,88     | 113,88     | 123,88     |
| Черновых               | 39    | 64,26      | 69,23      | 74,23      | 79,36      | 84,38      | 89,36      | 94,04      | 99,04      | 104,04     | 114,04     | 124,04     |
|                        | 40    | 64,44      | 69,41      | 74,41      | 79,54      | 84,56      | 89,54      | 94,20      | 99,20      | 104,20     | 114,20     | 124,20     |
|                        | 41    | 64,62      | 69,59      | 74,59      | 79,72      | 84,74      | 89,72      | 94,36      | 99,36      | 104,36     | 114,36     | 124,36     |
|                        | 42    | 64,80      | 69,77      | 74,77      | 79,90      | 84,92      | 89,90      | 94,52      | 99,52      | 104,52     | 114,52     | 124,52     |
|                        | 43    | 64,98      | 69,95      | 74,95      | 80,08      | 85,10      | 90,08      | 94,68      | 99,68      | 104,68     | 114,68     | 124,68     |
|                        | 44    | 65,16      | 70,13      | 75,13      | 80,26      | 85,28      | 90,26      | 94,84      | 99,84      | 104,84     | 114,84     | 124,84     |
|                        | 45    | 65,34      | 70,31      | 75,31      | 80,44      | 85,46      | 90,44      | 95,00      | 100,00     | 105,00     | 115,00     | 125,00     |
|                        | 46    | 65,52      | 70,49      | 75,49      | 80,62      | 85,64      | 90,62      | 95,16      | 100,16     | 105,16     | 115,16     | 125,16     |
|                        | 47    | 65,70      | 70,67      | 75,67      | 80,80      | 85,82      | 90,80      | 95,32      | 100,32     | 105,32     | 115,32     | 125,32     |
|                        | 48    | 65,88      | 70,85      | 75,85      | 80,98      | 86,00      | 90,98      | 95,48      | 100,48     | 105,48     | 115,48     | 125,48     |
|                        | 49    | 66,06      | 71,03      | 76,03      | 81,16      | 86,18      | 91,16      | 95,64      | 100,64     | 105,64     | 115,64     | 125,64     |
|                        | 50    | 66,24      | 71,21      | 76,21      | 81,34      | 86,36      | 91,34      | 95,80      | 100,80     | 105,80     | 115,80     | 125,80     |
|                        | 51    | 66,42      | 71,39      | 76,39      | 81,52      | 86,54      | 91,52      | 95,96      | 100,96     | 105,96     | 115,96     | 125,96     |

Номера и диаметры D, мм

Продолжение табл. 4

Размеры, мм

| Обозначение<br>прокатки | Размеры, мм |           |           |           |           |           |           |           |           |           |
|-------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                         | 2403-3789   | 2403-3753 | 2403-3796 | 2403-3799 | 2403-3803 | 2403-3806 | 2403-3809 | 2403-3813 | 2403-3816 | 2403-3819 |
| D × m                   | 70 × 5      | 75 × 5    | 80 × 5    | 85 × 5    | 90 × 5    | 95 × 5    | 100 × 5   | 105 × 5   | 110 × 5   | 120 × 5   |
| 52                      | 66,60       | 71,57     | 76,57     | 81,70     | 86,72     | 91,70     | 96,12     | 101,12    | 106,12    | 116,12    |
| 53                      | 66,78       | 71,75     | 76,75     | 81,88     | 86,90     | 91,88     | 96,28     | 101,28    | 106,28    | 116,28    |
| 54                      | 66,96       | 71,93     | 76,93     | 82,06     | 87,08     | 92,06     | 96,44     | 101,44    | 106,44    | 116,44    |
| 55                      | 67,14       | 72,11     | 77,11     | 82,24     | 87,26     | 92,24     | 96,60     | 101,60    | 106,60    | 116,60    |
| 56                      | 67,32       | 72,29     | 77,29     | 82,42     | 87,44     | 92,42     | 96,76     | 101,76    | 106,76    | 116,76    |
| 57                      | 67,50       | 72,47     | 77,47     | 82,60     | 87,62     | 92,60     | 96,92     | 101,92    | 106,92    | 116,92    |
| 58                      | 67,68       | 72,65     | 77,65     | 82,78     | 87,80     | 92,78     | 97,08     | 102,08    | 107,08    | 117,08    |
| 59                      | 67,86       | 72,83     | 77,83     | 82,96     | 87,98     | 92,96     | 97,24     | 102,24    | 107,24    | 117,24    |
| 60                      | 68,04       | 73,01     | 78,01     | 83,14     | 88,16     | 93,14     | 97,40     | 102,40    | 107,40    | 117,40    |
| 61                      | 68,22       | 73,19     | 78,19     | 83,32     | 88,34     | 93,32     | 97,56     | 102,56    | 107,56    | 117,56    |
| 62                      | 68,40       | 73,37     | 78,37     | 83,50     | 88,52     | 93,50     | 97,72     | 102,72    | 107,72    | 117,72    |
| 63                      | 68,58       | 73,55     | 78,55     | 83,68     | 88,70     | 93,68     | 97,88     | 102,88    | 107,88    | 117,88    |
| 64                      | 68,76       | 73,73     | 78,73     | 83,86     | 88,88     | 93,86     | 98,04     | 103,04    | 108,04    | 118,04    |
| 65                      | 68,94       | 73,91     | 78,91     | 84,04     | 89,06     | 94,04     | 98,20     | 103,20    | 108,20    | 118,20    |
| 66                      | 69,12       | 74,09     | 79,09     | 84,22     | 89,24     | 94,22     | 98,36     | 103,36    | 108,36    | 118,36    |
| 67                      | 69,30       | 74,27     | 79,27     | 84,40     | 89,42     | 94,40     | 98,52     | 103,52    | 108,52    | 118,52    |
| 68                      | 69,48       | 74,45     | 79,45     | 84,58     | 89,60     | 94,58     | 98,68     | 103,68    | 108,68    | 118,68    |
| 69                      | 69,66       | 74,63     | 79,63     | 84,76     | 89,78     | 94,76     | 98,84     | 103,84    | 108,84    | 118,84    |
| 70                      | 69,84       | 74,81     | 79,81     | 84,94     | 89,96     | 94,94     | 99,00     | 104,00    | 109,00    | 119,00    |
| 71                      | 69,96       | 74,93     | 79,93     | 85,06     | 90,08     | 95,06     | 99,16     | 104,16    | 109,16    | 119,16    |
| 72                      | 70,14       | 75,11     | 80,11     | 85,24     | 90,26     | 95,24     | 99,32     | 104,32    | 109,32    | 119,32    |
| 73                      | 70,32       | 75,29     | 80,29     | 85,42     | 90,44     | 95,42     | 99,48     | 104,48    | 109,48    | 119,48    |
| 74                      | 70,50       | 75,47     | 80,47     | 85,60     | 90,62     | 95,60     | 99,64     | 104,64    | 109,64    | 119,64    |
| 75                      | 70,68       | 75,65     | 80,65     | 85,78     | 90,80     | 95,78     | 99,80     | 104,80    | 109,80    | 119,80    |
| 76                      | 70,86       | 75,83     | 80,83     | 85,96     | 91,00     | 96,00     | 100,00    | 105,00    | 110,00    | 120,00    |

Номера и диаметры  $D_1$  зубьевШлицевых  
червяков





Таблица 5.

Размеры, мм

| Обозначение изделия<br>исполнения | Исполнение |   | z  | Соединение<br>поверхности<br>аппаратов<br>D и e | S     | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | D <sub>4</sub><br>не<br>более | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | D <sub>8</sub> | D <sub>9</sub> | D <sub>10</sub> | D <sub>11</sub> | D <sub>12</sub> |
|-----------------------------------|------------|---|----|-------------------------------------------------|-------|----------------|----------------|----------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                   | 1          | 2 |    |                                                 |       |                |                |                |                               |                |                |                |                |                |                 |                 |                 |
| —                                 | 2403-3571  | — | 22 | H7—9H                                           | 5,197 | 64             | 69,49          | 63,4           | 69,3                          | 61             | 70,2           | —              | —              | —              | —               | —               | 63              |
| —                                 | 2403-3572  | — | —  | H8—11H                                          | 5,277 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| —                                 | 2403-3574  | — | 24 | H7—9H                                           | 4,619 | 69             | 74,49          | 68,4           | 74,3                          | 66             | 74,4           | —              | —              | —              | —               | —               | —               |
| —                                 | 2403-3575  | — | —  | H8—11H                                          | 4,699 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3577                         | 2403-3581  | — | 25 | H7—9H                                           | 5,774 | 74             | 79,54          | 73,4           | 79,3                          | 71             | 80,0           | —              | —              | —              | —               | —               | —               |
| 2403-3578                         | 2403-3582  | — | —  | H8—11H                                          | 5,854 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3584                         | 2403-3587  | — | 27 | H7—9H                                           | 5,197 | 79             | 84,54          | 78,4           | 84,3                          | 76             | 85,4           | —              | —              | —              | —               | —               | —               |
| 2403-3585                         | 2403-3588  | — | —  | H8—11H                                          | 5,277 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3591                         | 2403-3594  | — | 28 | H7—9H                                           | 6,351 | 84             | 89,54          | 83,4           | 89,3                          | 81             | 90,0           | —              | —              | —              | —               | —               | —               |
| 2403-3592                         | 2403-3595  | — | —  | H8—11H                                          | 6,431 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3597                         | 2403-3601  | — | 30 | H7—9H                                           | 5,774 | 89             | 94,54          | 88,4           | 94,3                          | 86             | 95,2           | —              | —              | —              | —               | —               | —               |
| 2403-3598                         | 2403-3602  | — | —  | H8—11H                                          | 5,854 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3604                         | 2403-3607  | — | 32 | H7—9H                                           | 5,197 | 94             | 99,61          | 93,4           | 99,3                          | 91             | 99,3           | —              | —              | —              | —               | —               | —               |
| 2403-3605                         | 2403-3608  | — | —  | H8—11H                                          | 5,277 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3611                         | 2403-3614  | — | 34 | H7—9H                                           | 4,629 | 99             | 104,60         | 98,4           | 104,3                         | 96             | 104,6          | —              | —              | —              | —               | —               | —               |
| 2403-3612                         | 2403-3615  | — | —  | H8—11H                                          | 4,719 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3617                         | —          | — | 35 | H7—9H                                           | 5,784 | 104            | 109,60         | 103,4          | 109,3                         | 101            | 109,2          | —              | —              | —              | —               | —               | —               |
| 2403-3618                         | —          | — | —  | H8—11H                                          | 5,874 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3621                         | —          | — | 38 | H7—9H                                           | 6,361 | 114            | 119,61         | 113,4          | 119,3                         | 111            | 120,3          | —              | —              | —              | —               | —               | —               |
| 2403-3622                         | —          | — | —  | H8—11H                                          | 6,451 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3624                         | —          | — | 42 | H7—9H                                           | 5,207 | 124            | 129,58         | 123,4          | 129,3                         | 121            | 129,5          | —              | —              | —              | —               | —               | —               |
| 2403-3625                         | —          | — | —  | H8—11H                                          | 5,297 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3627                         | 2403-3631  | — | 14 | H7—9H                                           | 6,810 | 48             | 54,61          | 41,4           | 54,3                          | 45             | 54,4           | —              | —              | —              | —               | —               | —               |
| 2403-3628                         | 2403-3632  | — | —  | H8—11H                                          | 6,879 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3634                         | 2403-3637  | — | 16 | H7—9H                                           | 5,664 | 53             | 59,63          | 52,4           | 59,3                          | 50             | 60,2           | —              | —              | —              | —               | —               | —               |
| 2403-3635                         | 2403-3638  | — | —  | H8—11H                                          | 5,744 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3641                         | 2403-3644  | — | 18 | H7—9H                                           | 4,510 | 58             | 64,49          | 57,4           | 64,3                          | 55             | 64,8           | —              | —              | —              | —               | —               | —               |
| 2403-3642                         | 2403-3645  | — | —  | H8—11H                                          | 4,590 | —              | —              | —              | —                             | —              | —              | —              | —              | —              | —               | —               | —               |



Продолжение табл. 5

| Размеры, мм | Обозначение проталкивателя<br>используемая | Примечание<br>к чертежу | D × m | z       | Сочетание лопатки<br>допуска<br>D и z | S  | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | D <sub>4</sub> | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | D <sub>8</sub> | D <sub>9</sub> | D <sub>10</sub> | D <sub>11</sub> | D <sub>12</sub> |
|-------------|--------------------------------------------|-------------------------|-------|---------|---------------------------------------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 1           | 2                                          | 1                       | 2     | 18      | 20                                    | 22 | 24             | 26             | 28             | 29             | 30             | 34             | 36             | 13             | 15             | 50              | 38              | 50              |
| 2403-3647   | 2403-3651                                  |                         |       | 70×3,5  |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3648   | 2403-3652                                  |                         |       |         | 75×3,5                                |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3654   | 2403-3657                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3655   | 2403-3658                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3661   | 2403-3664                                  |                         |       | 80×3,5  |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3662   | 2403-3665                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3667   | 2403-3671                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3668   | 2403-3672                                  |                         |       | 85×3,5  |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3674   | 2403-3677                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3675   | 2403-3678                                  |                         |       | 90×3,5  |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3681   | 2403-3684                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3682   | 2403-3685                                  |                         |       | 95×3,5  |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3687   | —                                          |                         |       | 100×3,5 |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3688   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3691   | —                                          |                         |       | 105×3,5 |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3692   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3694   | —                                          |                         |       | 110×3,5 |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3695   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3697   | —                                          |                         |       | 120×3,5 |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3698   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3701   | —                                          |                         |       | 130×3,5 |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3702   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| —           | 2403-3704                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| —           | 2403-3705                                  |                         |       | 60×4    |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3707   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3708   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| —           | 2403-3711                                  |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| —           | 2403-3712                                  |                         |       | 65×4    |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3714   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |
| 2403-3715   | —                                          |                         |       |         |                                       |    |                |                |                |                |                |                |                |                |                |                 |                 |                 |

Продолжение табл. 5

Размеры, мм

| Обозначение профиля<br>использования |           |      | L<br>для испол-<br>нения |     | L <sub>1</sub><br>для испол-<br>нения |    | t   | t <sub>1</sub> | t <sub>2</sub> | t <sub>3</sub> | t <sub>4</sub> | t <sub>5</sub> | t <sub>6</sub> | t <sub>7</sub> | Через пазы и перо-<br>ходные зубья |    |                            | Число и<br>проф. из-<br>мен. |                            | Число и<br>направление<br>зубьев (число<br>зубьев—10) | R, по<br>базе | с<br>для испол-<br>нения |   | n | l <sub>6</sub> |       |   |  |
|--------------------------------------|-----------|------|--------------------------|-----|---------------------------------------|----|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------------|----|----------------------------|------------------------------|----------------------------|-------------------------------------------------------|---------------|--------------------------|---|---|----------------|-------|---|--|
|                                      |           |      | 1                        | 2   | 1                                     | 2  |     |                |                |                |                |                |                |                | Число                              | t  | Номер<br>проф. из-<br>мен. | f <sub>1</sub>               | Номер<br>проф. из-<br>мен. |                                                       |               | 1                        | 2 |   |                |       |   |  |
| 2403-3647                            | 2403-3651 | 1100 | 1225                     | 900 | 1025                                  | 16 | 415 | 496            | 99             | 80             | 25             | 14             | 215            | 31             | 16                                 | 11 | 8                          | 0,28                         | 0,225                      | 0,256                                                 | 5             | 125                      |   |   |                |       |   |  |
| 2403-3648                            | 2403-3652 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3654                            | 2403-3657 | 1090 | 1215                     | 875 | 1000                                  |    |     |                |                | 480            |                | 24             | 13             | 225            |                                    |    |                            |                              | 30                         |                                                       |               |                          |   |   | 0,219          | 0,250 | 4 |  |
| 2403-3655                            | 2403-3658 |      |                          |     |                                       |    |     | 440            |                | 496            |                | 23             | 12             |                |                                    |    |                            |                              | 31                         |                                                       |               |                          |   |   | 0,225          | 0,256 | 5 |  |
| 2403-3661                            | 2403-3664 |      |                          | 900 | 1025                                  |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3662                            | 2403-3665 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3667                            | 2403-3671 | 1115 | 1240                     | 875 | 1000                                  |    |     | 480            |                |                |                |                |                | 30             |                                    |    |                            |                              | 0,219                      | 0,250                                                 | 4             |                          |   |   |                |       |   |  |
| 2403-3668                            | 2403-3672 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3674                            | 2403-3677 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3675                            | 2403-3678 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3681                            | 2403-3684 | 1140 | 1265                     | 900 | 1025                                  |    | 460 | 496            |                |                |                |                | 220            | 31             |                                    |    |                            |                              | 0,225                      | 0,256                                                 | 5             |                          |   |   |                |       |   |  |
| 2403-3682                            | 2403-3685 |      |                          |     |                                       |    |     |                |                | 95             | 25             | 14             |                | 30             |                                    |    |                            |                              | 0,219                      |                                                       | 4             |                          |   |   |                |       |   |  |
| 2403-3687                            | —         | 1115 |                          | 875 |                                       |    |     | 480            |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3688                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3691                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3692                            | —         | 1140 | —                        | 900 | —                                     |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              | 0,225                      | —                                                     | 5             |                          |   |   |                |       |   |  |
| 2403-3694                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3695                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3697                            | —         | 1165 |                          | 925 |                                       |    | 485 | 496            |                |                | 24             | 13             | 245            | 31             |                                    |    |                            |                              | 0,231                      |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3698                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                | 235            |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3701                            | —         | 1140 |                          | 900 |                                       |    | 475 |                |                |                |                |                |                |                |                                    |    |                            |                              | 0,225                      |                                                       | 4             |                          |   |   |                |       |   |  |
| 2403-3702                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| —                                    | 2403-3704 | —    | 1225                     | —   | 1050                                  |    | 400 | 546            |                |                |                |                | 225            | 39             | 14                                 | 10 |                            |                              | —                          | 0,262                                                 | 3             | 125                      |   |   |                |       |   |  |
| —                                    | 2403-3705 |      |                          |     |                                       |    |     |                |                | 80             |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3707                            | —         | 1125 | —                        | 925 | —                                     |    | 420 | 528            |                |                |                |                | 220            | 33             | 16                                 | 11 |                            |                              | 0,231                      | —                                                     | 5             | —                        |   |   |                |       |   |  |
| 2403-3708                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| —                                    | 2403-3711 | —    | 1225                     | —   | 1050                                  | 18 | 400 | 532            |                |                | 23             | 12             | 225            | 38             | 14                                 | 10 |                            |                              | —                          | 0,262                                                 | 4             | 125                      |   |   |                |       |   |  |
| —                                    | 2403-3712 |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |
| 2403-3714                            | —         | 1125 | —                        | 925 | —                                     |    | 420 | 528            |                |                |                |                | 220            | 33             | 16                                 | 11 |                            |                              | 0,231                      | —                                                     | 5             | —                        |   |   |                |       |   |  |
| 2403-3715                            | —         |      |                          |     |                                       |    |     |                |                |                |                |                |                |                |                                    |    |                            |                              |                            |                                                       |               |                          |   |   |                |       |   |  |





[illegible]





Продолжение табл. 5

Размеры, мм

| Обозначение протяжки исполнения | Примечание |   | D × m   | z  | Соединение полки допусков D и e | S                | D <sub>1</sub> | D <sub>2</sub> | D <sub>3</sub> | D <sub>4</sub> не более | D <sub>5</sub> | D <sub>6</sub> | D <sub>7</sub> | D <sub>8</sub> | D <sub>9</sub> | D <sub>10</sub> | D <sub>11</sub> | D <sub>12</sub> |
|---------------------------------|------------|---|---------|----|---------------------------------|------------------|----------------|----------------|----------------|-------------------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                 | 1          | 2 |         |    |                                 |                  |                |                |                |                         |                |                |                |                |                |                 |                 |                 |
| 2403-3814                       | —          | — | 105 × 5 | 20 | H7—9H<br>H8—11H                 | 7,655<br>7,745   | 63             | 95             | 104,49         | 94,0                    | 104,0          | 92             | 104,5          | —              | —              | —               | —               | —               |
| 2403-3815                       | —          | — | —       | —  | —                               | —                | —              | —              | —              | —                       | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3817                       | —          | — | 110 × 5 | —  | H7—9H<br>H8—11H                 | 10,542<br>10,632 | —              | 100            | 109,49         | 99,0                    | 109,0          | 97             | 110,3          | —              | —              | —               | —               | —               |
| 2403-3818                       | —          | — | —       | —  | —                               | —                | —              | —              | —              | —                       | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3821                       | —          | — | 120 × 5 | 22 | H7—9H<br>H8—11H                 | 10,552<br>10,652 | 70             | 110            | 119,49         | 109,0                   | 119,0          | 107            | 120,3          | —              | —              | —               | —               | —               |
| 2403-3822                       | —          | — | —       | —  | —                               | —                | —              | —              | —              | —                       | —              | —              | —              | —              | —              | —               | —               | —               |
| 2403-3824                       | —          | — | 130 × 5 | 24 | H7—9H<br>H8—11H                 | 10,552<br>10,652 | —              | 120            | 129,49         | 119,0                   | 129,0          | 117            | 130,3          | —              | —              | —               | —               | —               |
| 2403-3825                       | —          | — | —       | —  | —                               | —                | —              | —              | —              | —                       | —              | —              | —              | —              | —              | —               | —               | —               |

Продолжение табл. 5

Размеры, мм

| Обозначение протяжки исполнения | L для испол. по п. 1 |   | L <sub>1</sub> для испол. по п. 2 |   | f | t <sub>1</sub> | t <sub>2</sub> | t <sub>3</sub> | t <sub>4</sub> | t <sub>5</sub> | Черта и пер. ходовые зубья |    | Число и шаг зубьев (D) |                | F по п. 1 |      | С для испол. по п. 1 |   | n | t <sub>6</sub> |
|---------------------------------|----------------------|---|-----------------------------------|---|---|----------------|----------------|----------------|----------------|----------------|----------------------------|----|------------------------|----------------|-----------|------|----------------------|---|---|----------------|
|                                 | 1                    | 2 | 1                                 | 2 |   |                |                |                |                |                | Число                      | f  | Номер проф. дн         | Номер проф. дн |           |      | 1                    | 2 |   |                |
| 2403-3814                       | —                    | — | —                                 | — | — | —              | —              | —              | —              | —              | —                          | —  | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3815                       | —                    | — | —                                 | — | — | —              | —              | —              | —              | —              | —                          | —  | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3817                       | —                    | — | 1165                              | — | — | 20             | 415            | 574            | 108            | 24             | 175                        | 41 | 14                     | 10             | 9         | 0,40 | 0,231                | — | 4 | —              |
| 2403-3818                       | —                    | — | —                                 | — | — | —              | —              | —              | —              | —              | —                          | —  | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3821                       | —                    | — | —                                 | — | — | —              | —              | —              | —              | —              | —                          | —  | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3822                       | —                    | — | —                                 | — | — | —              | —              | —              | —              | —              | —                          | —  | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3824                       | —                    | — | 1190                              | — | — | —              | 440            | 560            | —              | —              | 200                        | 40 | —                      | —              | —         | —    | —                    | — | — | —              |
| 2403-3825                       | —                    | — | —                                 | — | — | —              | —              | 574            | —              | —              | —                          | 41 | —                      | —              | —         | —    | —                    | — | — | —              |

Пример условного обозначения протяжки длиной  $L=1190$  мм для шлицевого эвольвентного отверстия диаметром 130 мм, модулем 5 мм с центрированием по наружному диаметру, допуском центрирующего диаметра H7 и ширины впадины 9H, группы заточки II, исполнения I, 2-го прохода:

Протяжка 2403-3824 II ГОСТ Р 50038—92

исполнительными размерами:

Протяжка 2403-3824 K II ГОСТ Р 50038—92

То же, протяжки с откорректированными

Таблица 6

Таблица

| Обозначение проточки и исполнения |           | D × t    | Сочетание полей допусков D и t | Поз. 1                       | Поз. 2             |              |
|-----------------------------------|-----------|----------|--------------------------------|------------------------------|--------------------|--------------|
| 1                                 | 2         |          |                                | Проточка исполнения (пол. 1) | Хвостовик (пол. 1) |              |
|                                   |           |          |                                | 1                            | 2                  |              |
| Обозначение                       |           |          |                                |                              |                    |              |
| —                                 | 2403-3571 | 70 × 3   | H7—9H                          | —                            | 2403-3571/1        | 2403-2245/2  |
| —                                 | 2403-3572 | 75 × 3   | H8—11H                         | —                            | 2403-3572/1        |              |
| —                                 | 2403-3574 |          | H7—9H                          | —                            | 2403-3574/1        |              |
| —                                 | 2403-3575 |          | H8—11H                         | —                            | 2403-3575/1        |              |
| 2403-3577                         | 2403-3581 | 80 × 3   | H7—9H                          | 2403-3577/1                  | 2403-3581/1        | 2403-2263/2  |
| 2403-3578                         | 2403-3582 | 85 × 3   | H8—11H                         | 2403-3578/1                  | 2403-3582/1        |              |
| 2403-3584                         | 2403-3587 |          | H7—9H                          | 2403-3584/1                  | 2403-3587/1        |              |
| 2403-3585                         | 2403-3588 | 90 × 3   | H8—11H                         | 2403-3585/1                  | 2403-3588/1        |              |
| 2403-3591                         | 2403-3594 |          | H7—9H                          | 2403-3591/1                  | 2403-3594/1        |              |
| 2403-3592                         | 2403-3595 | 95 × 3   | H8—11H                         | 2403-3592/1                  | 2403-3595/1        |              |
| 2403-3597                         | 2403-3601 |          | H7—9H                          | 2403-3597/1                  | 2403-3601/1        |              |
| 2403-3598                         | 2403-3602 | 100 × 3  | H8—11H                         | 2403-3598/1                  | 2403-3602/1        |              |
| 2403-3604                         | 2403-3607 |          | H7—9H                          | 2403-3604/1                  | 2403-3607/1        |              |
| 2403-3605                         | 2403-3608 | 105 × 3  | H8—11H                         | 2403-3605/1                  | 2403-3608/1        |              |
| 2403-3611                         | 2403-3614 |          | H7—9H                          | 2403-3611/1                  | 2403-3614/1        |              |
| 2403-3612                         | 2403-3615 | 110 × 3  | H8—11H                         | 2403-3612/1                  | 2403-3615/1        |              |
| 2403-3617                         | —         |          | H7—9H                          | 2403-3617/1                  | —                  |              |
| 2403-3618                         | —         | 120 × 3  | H8—11H                         | 2403-3618/1                  | —                  |              |
| 2403-3621                         | —         |          | H7—9H                          | 2403-3621/1                  | —                  |              |
| 2403-3622                         | —         | 130 × 3  | H8—11H                         | 2403-3622/1                  | —                  | 2403-2476/2  |
| 2403-3624                         | —         |          | H7—9H                          | 2403-3624/1                  | —                  |              |
| 2403-3625                         | —         | 55 × 3,5 | H8—11H                         | 2403-3625/1                  | —                  | 2403-2205/2  |
| 2403-3627                         | 2403-3631 |          | H7—9H                          | 2403-3627/1                  | 2403-3631/1        |              |
| 2403-3628                         | 2403-3632 | 60 × 3,5 | H8—11H                         | 2403-3628/1                  | 2403-3632/1        | 2403-2223/2  |
| 2403-3634                         | 2403-3637 |          | H7—9H                          | 2403-3634/1                  | 2403-3637/1        |              |
| 2403-3635                         | 2403-3638 | 65 × 3,5 | H8—11H                         | 2403-3638/1                  | 2403-3638/1        |              |
| 2403-3641                         | 2403-3644 |          | H7—9H                          | 2403-3641/1                  | 2403-3644/1        |              |
| 2403-3642                         | 2403-3645 | 70 × 3,5 | H8—11H                         | 2403-3642/1                  | 2403-3645/1        |              |
| 2403-3647                         | 2403-3651 |          | H7—9H                          | 2403-3647/1                  | 2403-3651/1        |              |
| 2403-3648                         | 2403-3652 | 75 × 3,5 | H8—11H                         | 2403-3648/1                  | 2403-3652/1        |              |
| 2403-3654                         | 2403-3657 |          | H7—9H                          | 2403-3654/1                  | 2403-3657/1        | 2403-2245/2  |
| 2403-3655                         | 2403-3658 | 80 × 3,5 | H8—11H                         | 2403-3655/1                  | 2403-3658/1        |              |
| 2403-3661                         | 2403-3664 |          | H7—9H                          | 2403-3661/1                  | 2403-3664/1        |              |
| 2403-3662                         | 2403-3665 | 85 × 3,5 | H8—11H                         | 2403-3662/1                  | 2403-3665/1        |              |
| 2403-3667                         | 2403-3671 |          | H7—9H                          | 2403-3667/1                  | 2403-3671/1        | 2403-2263, 2 |
| 2403-3668                         | 2403-3672 | 90 × 3,5 | H8—11H                         | 2403-3668/1                  | 2403-3672/1        |              |
| 2403-3674                         | 2403-3677 |          | H7—9H                          | 2403-3674/1                  | 2403-3677/1        |              |
| 2403-3675                         | 2403-3678 |          | H8—11H                         | 2403-3675/1                  | 2403-3678/1        |              |

Продолжение табл. 6

Продолжение табл. 1

| Обозначение протектора исполнения |           | D × t   | Сочетание полей допусков D и t | Поз. 1                        |             | Поз. 2             |
|-----------------------------------|-----------|---------|--------------------------------|-------------------------------|-------------|--------------------|
|                                   |           |         |                                | Протектор исполнения (кол. 1) |             | Хвостовик (кол. 1) |
|                                   |           |         |                                | 1                             | 2           |                    |
| 1                                 | 2         |         |                                | Обозначение                   |             |                    |
| 2403-3681                         | 2403-3684 | 95×3,5  | H7—9H                          | 2403-3681/1                   | 2403-3684/1 | 2403-2263/2        |
| 2403-3682                         | 2403-3685 |         | H8—11H                         | 2403-3682/1                   | 2403-3685/1 |                    |
| 2403-3687                         | —         | 100×3,5 | H7—9H                          | 2403-3687/1                   | —           |                    |
| 2403-3688                         | —         |         | H8—11H                         | 2403-3688/1                   | —           |                    |
| 2403-3691                         | —         | 105×3,5 | H7—9H                          | 2403-3691/1                   | —           | 2403-2263/2        |
| 2403-3692                         | —         |         | H8—11H                         | 2403-3692/1                   | —           |                    |
| 2403-3694                         | —         | 110×3,5 | H7—9H                          | 2403-3694/1                   | —           |                    |
| 2403-3695                         | —         |         | H8—11H                         | 2403-3695/1                   | —           |                    |
| 2403-3697                         | —         | 120×3,5 | H7—9H                          | 2403-3697/1                   | —           | 2403-2476/2        |
| 2403-3698                         | —         |         | H8—11H                         | 2403-3698/1                   | —           |                    |
| 2403-3701                         | —         | 130×3,5 | H7—9H                          | 2403-3701/1                   | —           |                    |
| 2403-3702                         | —         |         | H8—11H                         | 2403-3702/1                   | —           |                    |
| —                                 | 2403-3704 | 60×4    | H7—9H                          | —                             | 2403-3704/1 | 2403-2218/2        |
| —                                 | 2403-3705 |         | H8—11H                         | —                             | 2403-3705/1 |                    |
| 2403-3707                         | —         |         | H7—9H                          | 2403-3707/1                   | —           | 2403-2223/2        |
| 2403-3708                         | —         |         | H8—11H                         | 2403-3708/1                   | —           |                    |
| —                                 | 2403-3711 | 65×4    | H7—9H                          | —                             | 2403-3711/1 | 2403-2218/2        |
| —                                 | 2403-3712 |         | H8—11H                         | —                             | 2403-3712/1 |                    |
| 2403-3714                         | —         |         | H7—9H                          | 2403-3714/1                   | —           | 2403-2223/2        |
| 2403-3715                         | —         |         | H8—11H                         | 2403-3715/1                   | —           |                    |
| —                                 | 2403-3717 | 70×4    | H7—9H                          | —                             | 2403-3717/1 | 2403-2218/2        |
| —                                 | 2403-3718 |         | H8—11H                         | —                             | 2403-3718/1 |                    |
| 2403-3721                         | —         |         | H7—9H                          | 2403-3721/1                   | —           | 2403-2223/2        |
| 2403-3722                         | —         |         | H8—11H                         | 2403-3722/1                   | —           |                    |
| —                                 | 2403-3724 | 75×4    | H7—9H                          | —                             | 2403-3724/1 | 2403-2245/2        |
| —                                 | 2403-3725 |         | H8—11H                         | —                             | 2403-3725/1 |                    |
| 2403-3727                         | —         |         | H7—9H                          | 2403-3727/1                   | —           |                    |
| 2403-3728                         | —         |         | H8—11H                         | 2403-3728/1                   | —           |                    |
| —                                 | 2403-3731 | 80×4    | H7—9H                          | —                             | 2403-3731/1 | 2403-2245/2        |
| —                                 | 2403-3732 |         | H8—11H                         | —                             | 2403-3732/1 |                    |
| 2403-3734                         | —         |         | H7—9H                          | 2403-3734/1                   | —           |                    |
| 2403-3735                         | —         |         | H8—11H                         | 2403-3735/1                   | —           |                    |
| —                                 | 2403-3737 | 85×4    | H7—9H                          | —                             | 2403-3737/1 | 2403-2263/2        |
| —                                 | 2403-3738 |         | H8—11H                         | —                             | 2403-3738/1 |                    |
| 2403-3741                         | —         |         | H7—9H                          | 2403-3741/1                   | —           |                    |
| 2403-3742                         | —         |         | H8—11H                         | 2403-3742/1                   | —           |                    |
| —                                 | 2403-3744 | 90×4    | H7—9H                          | —                             | 2403-3744/1 | 2403-2263/2        |
| —                                 | 2403-3745 |         | H8—11H                         | —                             | 2403-3745/1 |                    |
| 2403-3747                         | —         |         | H7—9H                          | 2403-3747/1                   | —           |                    |
| 2403-3748                         | —         |         | H8—11H                         | 2403-3748/1                   | —           |                    |



Продолжение табл.

| Обозначение проточки исполнения |           | D × m   | Сопоставление полей допусков D и d | Поз. 1                       |             | Поз. 2             |
|---------------------------------|-----------|---------|------------------------------------|------------------------------|-------------|--------------------|
|                                 |           |         |                                    | Проточка исполнения (кол. 1) |             | Хвостовик (кол. 1) |
|                                 |           |         |                                    | 1                            | 2           |                    |
|                                 |           |         |                                    | Обозначение                  |             |                    |
| —                               | 2403-3751 | 95 × 4  | H7—9H                              | —                            | 2403-3751/1 | 2403-2263/2        |
| —                               | 2403-3752 |         | H8—11H                             | —                            | 2403-3752/1 |                    |
| 2403-3754                       | —         |         | H7—9H                              | 2403-3754/1                  | —           |                    |
| 2403-3755                       | —         |         | H8—11H                             | 2403-3755/1                  | —           |                    |
| —                               | 2403-3757 | 100 × 4 | H7—9H                              | —                            | 2403-3757/1 |                    |
| —                               | 2403-3758 |         | H8—11H                             | —                            | 2403-3758/1 |                    |
| 2403-3761                       | —         |         | H7—9H                              | 2403-3761/1                  | —           |                    |
| 2403-3762                       | —         |         | H8—11H                             | 2403-3762/1                  | —           |                    |
| —                               | 2403-3764 | 105 × 4 | H7—9H                              | —                            | 2403-3764/1 |                    |
| —                               | 2403-3765 |         | H8—11H                             | —                            | 2403-3765/1 |                    |
| 2403-3767                       | —         |         | H7—9H                              | 2403-3767/1                  | —           |                    |
| 2403-3768                       | —         |         | H8—11H                             | 2403-3768/1                  | —           |                    |
| —                               | 2403-3771 | 110 × 4 | H7—9H                              | —                            | 2403-3771/1 |                    |
| —                               | 2403-3772 |         | H8—11H                             | —                            | 2403-3772/1 |                    |
| 2403-3774                       | —         |         | H7—9H                              | 2403-3774/1                  | —           |                    |
| 2403-3775                       | —         |         | H8—11H                             | 2403-3775/1                  | —           |                    |
| —                               | 2403-3777 | 120 × 4 | H7—9H                              | —                            | 2403-3777/1 |                    |
| —                               | 2403-3778 |         | H8—11H                             | —                            | 2403-3778/1 |                    |
| 2403-3781                       | —         |         | H7—9H                              | 2403-3781/1                  | —           |                    |
| 2403-3782                       | —         |         | H8—11H                             | 2403-3782/1                  | —           |                    |
| —                               | 2403-3784 | 130 × 4 | H7—9H                              | —                            | 2403-3784/1 | 2403-2476/2        |
| —                               | 2403-3785 |         | H8—11H                             | —                            | 2403-3785/1 |                    |
| 2403-3787                       | —         |         | H7—9H                              | 2403-3787/1                  | —           |                    |
| 2403-3788                       | —         |         | H8—11H                             | 2403-3788/1                  | —           |                    |
| 2403-3791                       | —         | 70 × 5  | H7—9H                              | 2403-3791/1                  | —           | 2403-2223/2        |
| 2403-3792                       | —         | —       | H8—11H                             | 2403-3792/1                  | —           |                    |
| 2403-3794                       | —         | 75 × 5  | H7—9H                              | 2403-3794/1                  | —           | 2403-2245/2        |
| 2403-3795                       | —         | —       | H8—11H                             | 2403-3795/1                  | —           |                    |
| 2403-3797                       | —         | 80 × 5  | H7—9H                              | 2403-3797/1                  | —           | 2403-2263/2        |
| 2403-3798                       | —         | —       | H8—11H                             | 2403-3798/1                  | —           |                    |
| 2403-3801                       | —         | 85 × 5  | H7—9H                              | 2403-3801/1                  | —           | 2403-2476/2        |
| 2403-3802                       | —         | —       | H8—11H                             | 2403-3802/1                  | —           |                    |
| 2403-3804                       | —         | 90 × 5  | H7—9H                              | 2403-3804/1                  | —           |                    |
| 2403-3805                       | —         | —       | H8—11H                             | 2403-3805/1                  | —           |                    |
| 2403-3807                       | —         | 95 × 5  | H7—9H                              | 2403-3807/1                  | —           |                    |
| 2403-3808                       | —         | —       | H8—11H                             | 2403-3808/1                  | —           |                    |
| 2403-3811                       | —         | 100 × 5 | H7—9H                              | 2403-3811/1                  | —           |                    |
| 2403-3812                       | —         | —       | H8—11H                             | 2403-3812/1                  | —           |                    |
| 2403-3814                       | —         | 105 × 5 | H7—9H                              | 2403-3814/1                  | —           |                    |
| 2403-3815                       | —         | —       | H8—11H                             | 2403-3815/1                  | —           |                    |
| 2403-3817                       | —         | 110 × 5 | H7—9H                              | 2403-3817/1                  | —           |                    |
| 2403-3818                       | —         | —       | H8—11H                             | 2403-3818/1                  | —           |                    |
| 2403-3821                       | —         | 120 × 5 | H7—9H                              | 2403-3821/1                  | —           |                    |
| 2403-3822                       | —         | —       | H8—11H                             | 2403-3822/1                  | —           |                    |
| 2403-3824                       | —         | 130 × 5 | H7—9H                              | 2403-3824/1                  | —           |                    |
| 2403-3825                       | —         | —       | H8—11H                             | 2403-3825/1                  | —           |                    |

Таблица 7

Размеры, мм

| Обозначение<br>профиля | D × m  | Сочетание<br>всех<br>допусков<br>D и e | z <sub>1</sub> | z <sub>2</sub> | z <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>0</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | M             |                              |                                      | d <sub>pl</sub> | M <sub>1</sub><br>(на перед-<br>ней на-<br>прав-<br>ляющей) |
|------------------------|--------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|------------------------------|--------------------------------------|-----------------|-------------------------------------------------------------|
|                        |        |                                        |                |                |                |                |                |                |                |                |        |                |    | на<br>буртике | на зубе<br>поверх<br>буртика | на посад-<br>ке на<br>буртик<br>зубе |                 |                                                             |
| 2403-3571              | 70 × 3 | H7-9H                                  | 1,768          | 2,540          | 3,354          |                |                |                | 17,680         | 23,005         | 18,475 | 5,454          | 15 | 74,878        | 74,756                       | 74,586                               | 81,55           |                                                             |
| 2403-3572              |        | H8-11H                                 | 1,727          | 2,499          | 3,313          |                |                | 32,392         | 17,639         |                |        | 7,000          | 15 | 79,121        | —                            | 78,829                               |                 |                                                             |
| 2403-3574              | 75 × 3 | H7-9H                                  | 1,754          | 2,479          | 3,243          |                |                |                | 18,432         |                | 19,043 | 6,212          | 15 | 80,001        | 79,879                       | 79,709                               | 86,36           |                                                             |
| 2403-3575              |        | H8-11H                                 | 1,714          | 2,439          | 3,203          |                |                | 34,876         | 18,392         | 25,684         |        | 7,000          | 15 | 82,154        | —                            | 81,862                               |                 |                                                             |
| 2403-3577              | 80 × 3 | H7-9H                                  | 1,781          | 2,579          | 3,403          |                |                |                | 20,319         |                | 21,773 | 6,212          | 16 | 86,711        | 86,581                       | 86,420                               | 90,92           | 8,282                                                       |
| 2403-3581              |        | H8-11H                                 | 1,740          | 2,538          | 3,362          |                |                | 37,388         | 20,278         | 25,968         |        | 7,000          | 16 | 88,841        | —                            | 88,550                               |                 |                                                             |
| 2403-3584              | 85 × 3 | H7-9H                                  | 1,778          | 2,536          | 3,319          |                |                |                | 21,173         |                | 22,458 | 6,212          | 16 | 86,827        | 86,697                       | 86,535                               | 96,14           |                                                             |
| 2403-3585              |        | H8-11H                                 | 1,737          | 2,496          | 3,278          |                |                | 39,910         | 21,133         | 28,589         |        | 7,000          | 16 | 88,952        | —                            | 88,661                               |                 |                                                             |
| 2403-3591              | 90 × 3 | H7-9H                                  | 1,807          | 2,626          | 3,457          |                |                |                | 22,980         |                | 25,099 | 6,212          | 16 | 96,757        | 96,627                       | 96,466                               | 101,00          |                                                             |
| 2403-3592              |        | H8-11H                                 | 1,765          | 2,584          | 3,416          |                |                | 42,392         | 22,939         | 28,914         |        | 7,000          | 16 | 98,886        | —                            | 98,594                               |                 |                                                             |
| 2403-3595              |        |                                        |                |                |                |                |                |                |                |                |        | 8,282          | —  | 102,281       | —                            | 101,989                              |                 |                                                             |
|                        |        |                                        |                |                |                |                |                |                |                |                |        | 7,000          | —  | 96,874        | 96,743                       | 96,582                               |                 |                                                             |
|                        |        |                                        |                |                |                |                |                |                |                |                |        | 7,000          | —  | 98,998        | —                            | 98,706                               |                 |                                                             |
|                        |        |                                        |                |                |                |                |                |                |                |                |        | 8,282          | —  | 102,386       | —                            | 102,094                              |                 |                                                             |

Продолжение табл. 7

| Обозначение<br>проточки | D × m   | Среднее<br>показ<br>допуск<br>D и e | Размеры, мм    |                |                |                |                |                      |                |                |        |                | M  |                    |                          | d <sub>p1</sub>                       | M <sub>1</sub><br>(из<br>полюс<br>на<br>прав-<br>лях) |
|-------------------------|---------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------|----------------|--------|----------------|----|--------------------|--------------------------|---------------------------------------|-------------------------------------------------------|
|                         |         |                                     | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub>       | r <sub>3</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | на<br>бурье        | из<br>зубе<br>подер<br>W | из<br>послед-<br>ней<br>бурье<br>зубе |                                                       |
| 2403-3597<br>2403-3601  | 95 × 3  | H7-9H                               | 1,794          | 2,577          | 3,371          |                |                | 44,914,46,126,47,222 | 23,864         | 31,524         | 25,814 | 5,454<br>7,000 | 14 | 99,825<br>104,108  | 99,711<br>—              | 99,533<br>103,816                     | 106,22                                                |
| 2403-3589<br>2403-3602  |         | H8-11H                              | 1,753          | 2,536          | 3,330          |                |                |                      | 23,823         |                |        | 5,454<br>7,000 | 14 | 99,948<br>104,221  | 99,834<br>—              | 99,656<br>103,929                     |                                                       |
| 2403-3604<br>2403-3607  |         | H7-9H                               | 1,772          | 2,519          | 3,351          |                |                |                      | 24,682         |                |        | 5,454<br>6,212 | 14 | 104,944<br>107,100 | 104,830<br>—             | 104,652<br>106,808                    |                                                       |
| 2403-3605<br>2403-3608  | 100 × 3 | H8-11H                              | 1,732          | 2,479          | 3,310          |                |                | 47,402,48,618,49,818 | 24,641         | 34,157         | 26,462 | 7,000          | 14 | 109,298<br>105,072 | 109,066<br>104,958       | 109,006<br>104,780                    | 111,40                                                |
| 2403-3611<br>2403-3614  |         | H7-9H                               | 1,774          | 2,491          | 3,220          |                |                |                      | 25,390         |                |        | 5,454<br>6,212 | 14 | 110,051<br>112,243 | 109,937<br>—             | 109,759<br>111,951                    |                                                       |
| 2403-3612<br>2403-3615  | 105 × 3 | H8-11H                              | 1,728          | 2,446          | 3,175          |                |                | 49,918,51,137,52,243 | 25,345         | 36,834         | 26,999 | 7,000          | 14 | 110,199<br>112,384 | 110,084<br>—             | 109,907<br>112,092                    | 116,58                                                |
| 2403-3617               |         | H7-9H                               | 1,790          | 2,559          | 3,331          |                |                |                      | 27,315         |                |        | 5,454<br>6,212 | 14 | 114,769<br>116,907 | 114,654<br>—             | 114,477<br>116,616                    |                                                       |
| 2403-3618               | 110 × 3 | H8-11H                              | 1,744          | 2,513          | 3,286          |                |                | 52,419,53,637,54,741 | 27,269         | 37,135         | 29,752 | 7,000          | 14 | 114,911<br>117,044 | 114,797<br>—             | 114,619<br>116,753                    | 121,22                                                |
| 2403-3621               |         | H7-9H                               | 1,809          | 2,596          | 3,378          |                |                |                      | 30,027         |                |        | 5,454<br>7,000 | 13 | 124,787<br>129,094 | 124,681<br>—             | 124,495<br>128,802                    |                                                       |
| 2403-3622               | 120 × 3 | H8-11H                              | 1,762          | 2,550          | 3,332          |                |                | 57,422,58,641,59,746 | 29,981         | 40,059         | 33,132 | 8,282          | 13 | 129,226<br>132,702 | 129,026<br>—             | 128,834<br>132,410                    | 131,25                                                |

Размеры, мм

| Обозначение<br>пропильки | D < m  | Соответствие<br>показателя<br>D к с | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>0</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | Ш  | на<br>бурение | М<br>на зубе<br>номер Ш | на послед-<br>ней кален-<br>брующей<br>зубе | d <sub>p1</sub> | M <sub>1</sub><br>(на перед-<br>ней кален-<br>брующей<br>зубе) |
|--------------------------|--------|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|-------------------------|---------------------------------------------|-----------------|----------------------------------------------------------------|
| 2403-3624                | 130×3  | H7—9H                               | 1,780          | 2,515          | 3,246          |                |                |                | 31,634         | 45,318         | 34,408 | 5,454          | 14 | 135,000       | 134,886                 | 134,708                                     |                 |                                                                |
|                          |        |                                     |                |                |                |                |                | 62,425         | 63,648         | 64,761         |        | 6,212          |    | 137,187       |                         | 136,895                                     |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 7,000          |    | 139,422       |                         | 139,130                                     | 8,282           | 141,58                                                         |
| 2403-3625                |        | H8—11H                              | 1,734          | 2,469          | 3,200          |                |                |                | 31,589         |                |        | 5,454          | 14 | 135,148       | 135,033                 | 134,856                                     |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 6,212          |    | 137,329       |                         | 137,037                                     |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 7,000          |    | 139,560       |                         | 139,268                                     |                 |                                                                |
| 2403-3627<br>2403-3631   |        | H7—9H                               | 2,074          | 3,129          | 4,402          |                |                |                | 14,762         |                |        | 7,000          | 15 | 61,957        | 61,835                  | 61,657                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 66,281        |                         | 65,981                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,353         |    | 70,397        |                         | 70,097                                      | 69,18           |                                                                |
| 2403-3628<br>2403-3632   | 55×3,5 | H8—11H                              | 2,038          | 3,093          | 4,366          |                |                |                | 14,726         | 15,778         | 15,333 | 7,000          | 15 | 62,048        | 61,926                  | 61,748                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 66,363        |                         | 66,063                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,353         |    | 70,472        |                         | 70,172                                      | 10,353          |                                                                |
| 2403-3634<br>2403-3637   | 60×3,5 | H7—9H                               | 2,016          | 2,924          | 4,034          |                |                |                | 15,287         |                |        | 7,000          | 17 | 67,432        | 67,293                  | 67,124                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 71,918        |                         | 71,610                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,353         |    | 76,156        |                         | 75,848                                      | 74,76           |                                                                |
| 2403-3635<br>2403-3638   |        | H8—11H                              | 1,976          | 2,883          | 3,994          |                |                |                | 15,247         | 19,308         | 15,277 | 7,000          | 17 | 67,545        | 67,406                  | 67,237                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 72,019        |                         | 71,711                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,353         |    | 76,246        |                         | 75,938                                      |                 |                                                                |
| 2403-3641<br>2403-3644   | 65×3,5 | H7—9H                               | 2,068          | 2,860          | 3,762          |                |                |                | 15,596         |                |        | 6,518          | 17 | 71,352        | 71,213                  | 71,044                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,282          |    | 76,299        |                         | 75,991                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 77,400        |                         | 77,092                                      | 8,690           | 76,04                                                          |
| 2403-3642<br>2403-3645   |        | H8—11H                              | 2,029          | 2,821          | 3,723          |                |                |                | 15,556         | 22,818         | 15,051 | 6,518          | 17 | 71,478        | 71,340                  | 71,170                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,282          |    | 76,408        |                         | 76,100                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 77,506        |                         | 77,198                                      |                 |                                                                |
| 2403-3647<br>2403-3651   | 70×3,5 | H7—9H                               | 2,120          | 3,177          | 4,303          |                |                |                | 18,529         |                |        | 7,000          | 17 | 76,912        | 76,773                  | 76,604                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 81,290        |                         | 80,982                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,950         |    | 86,949        |                         | 86,641                                      | 10,353          | 84,25                                                          |
| 2403-3648<br>2403-3652   |        | H8—11H                              | 2,078          | 3,135          | 4,261          |                |                |                | 18,487         | 20,639         | 19,913 | 7,000          | 17 | 77,021        | 76,882                  | 76,713                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 8,690          |    | 81,390        |                         | 81,082                                      |                 |                                                                |
|                          |        |                                     |                |                |                |                |                |                |                |                |        | 10,950         |    | 87,039        |                         | 86,731                                      |                 |                                                                |

Размеры, мм

| Обозначение<br>проточки | D × m    | Сечение<br>поперечное<br>D × d | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | x <sub>0</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | M             |                     |                                                     | d <sub>p1</sub> | M <sub>1</sub><br>(на перед-<br>ней жа-<br>вочной<br>поверх-<br>ности) |
|-------------------------|----------|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|---------------------|-----------------------------------------------------|-----------------|------------------------------------------------------------------------|
|                         |          |                                |                |                |                |                |                |                |                |        |                |    | на<br>бугорке | из<br>этой<br>серии | на послед-<br>ней жа-<br>вочной<br>поверх-<br>ности |                 |                                                                        |
| 2403-3654<br>2403-3657  | 75 × 3,5 | H7—9H                          | 2,039          | 2,980          | 4,080          |                |                | 19,127         |                |        | 6,518          | 15 | 81,025        | 80,902              | 80,725                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                | 24,090         | 19,957 | 8,282          |    | 85,789        | —                   | 85,489                                              |                 | 85,52                                                                  |
|                         |          |                                |                |                |                | 34,400         | 35,818         | 37,200         |                |        | 10,353         |    | 91,153        | —                   | 90,853                                              |                 |                                                                        |
| 2403-3655<br>2403-3658  | 80 × 3,5 | H8—11H                         | 1,998          | 2,939          | 4,040          |                |                | 19,087         |                |        | 6,518          | 15 | 81,143        | 81,021              | 80,843                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,282          |    | 85,895        | —                   | 85,595                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 10,353         |    | 91,249        | —                   | 90,949                                              | 8,690           |                                                                        |
| 2403-3661<br>2403-3664  | 80 × 3,5 | H7—9H                          | 2,053          | 2,899          | 3,816          |                |                | 19,519         |                |        | 6,518          | 15 | 86,282        | 86,160              | 85,974                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                | 27,560         | 19,821 | 8,282          |    | 91,212        | —                   | 90,904                                              |                 | 90,84                                                                  |
|                         |          |                                |                |                |                | 36,933         | 38,362         | 39,656         |                |        | 8,690          |    | 92,317        | —                   | 92,009                                              |                 |                                                                        |
| 2403-3662<br>2403-3665  | 85 × 3,5 | H8—11H                         | 2,014          | 2,860          | 3,776          |                |                | 19,479         |                |        | 6,518          | 15 | 86,408        | 86,285              | 86,100                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,282          |    | 91,323        | —                   | 91,015                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,690          |    | 92,426        | —                   | 92,118                                              |                 |                                                                        |
| 2403-3667<br>2403-3671  | 85 × 3,5 | H7—9H                          | 2,088          | 2,844          | 3,749          |                |                | 19,733         |                |        | 6,518          | 17 | 91,417        | 91,279              | 91,117                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                | 31,049         | 19,528 | 8,282          |    | 96,531        | —                   | 96,231                                              |                 | 94,90                                                                  |
|                         |          |                                |                |                |                | 39,415         | 40,853         | 42,268         |                |        | 8,690          |    | 97,671        | —                   | 97,371                                              |                 |                                                                        |
| 2403-3668<br>2403-3672  | 90 × 3,5 | H8—11H                         | 2,019          | 2,805          | 3,710          |                |                | 19,694         |                |        | 6,518          | 17 | 91,551        | 91,413              | 91,251                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,282          |    | 96,648        | —                   | 96,348                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,690          |    | 97,784        | —                   | 97,484                                              |                 |                                                                        |
| 2403-3674<br>2403-3677  | 90 × 3,5 | H7—9H                          | 2,069          | 3,030          | 4,123          |                |                | 22,950         |                |        | 6,518          | 15 | 95,939        | 95,816              | 95,639                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                | 28,891         | 24,612 | 8,282          |    | 100,717       | —                   | 100,417                                             |                 | 100,48                                                                 |
|                         |          |                                |                |                |                | 41,919         | 43,346         | 44,744         |                |        | 10,353         |    | 106,127       | —                   | 105,827                                             |                 |                                                                        |
| 2403-3675<br>2403-3678  | 95 × 3,5 | H8—11H                         | 2,027          | 2,989          | 4,082          |                |                | 22,909         |                |        | 6,518          | 15 | 96,058        | 95,936              | 95,758                                              |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,282          |    | 100,826       | —                   | 100,526                                             |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 10,353         |    | 106,227       | —                   | 105,927                                             | 8,690           |                                                                        |
| 2403-3681<br>2403-3684  | 95 × 3,5 | H7—9H                          | 2,061          | 2,943          | 3,870          |                |                | 23,362         |                |        | 6,518          | 15 | 101,210       | 101,088             | 100,902                                             |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                | 32,344         | 24,519 | 8,282          |    | 106,128       | —                   | 105,820                                             |                 | 105,80                                                                 |
|                         |          |                                |                |                |                | 44,452         | 45,888         | 47,191         |                |        | 8,690          |    | 107,236       | —                   | 106,928                                             |                 |                                                                        |
| 2403-3682<br>2403-3685  | 95 × 3,5 | H8—11H                         | 2,021          | 2,903          | 3,829          |                |                | 23,341         |                |        | 6,518          | 15 | 101,336       | 101,213             | 101,028                                             |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,282          |    | 106,241       | —                   | 105,933                                             |                 |                                                                        |
|                         |          |                                |                |                |                |                |                |                |                |        | 8,690          |    | 107,347       | —                   | 107,039                                             |                 |                                                                        |

Продолжение табл. 7

меры, мм

| Обозначение<br>протяжки | D × m     | Соединение<br>полей до-<br>пусков<br>D и d | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | R      | d <sub>p</sub> | W     | M             |                    |                                    | d <sub>р</sub> | M <sub>1</sub><br>(на период<br>максимально<br>правильной<br>резки) |
|-------------------------|-----------|--------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|-------|---------------|--------------------|------------------------------------|----------------|---------------------------------------------------------------------|
|                         |           |                                            |                |                |                |                |                |                |        |                |       | на<br>бурение | на зубе<br>полюс W | на послед-<br>нем ка-<br>сете зуба |                |                                                                     |
| 2403-3687               | 100 × 3,5 | H7—9H                                      | 2,066          | 2,872          | 3,800          |                |                |                |        | 6,518          | 15    | 106,380       | 106,258            | 106,080                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                | 24,339 | 8,282          |       | 111,450       | —                  | 111,150                            |                |                                                                     |
|                         |           |                                            |                |                |                |                | 46,935         | 48,377         | 49,799 | 35,790         | 8,690 |               | 112,588            | —                                  | 112,288        | 8,282                                                               |
| 2403-3688               |           | H8—11H                                     | 2,026          | 2,832          | 3,761          |                |                |                |        | 6,518          | 15    | 106,512       | 106,389            | 106,212                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 111,568       | —                  | 111,268                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,690          |       | 112,704       | —                  | 112,404                            |                |                                                                     |
| 2403-3691               |           | H7—9H                                      | 2,053          | 2,912          | 3,806          |                |                |                |        | 6,518          | 14    | 111,138       | 111,023            | 110,830                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 116,113       | —                  | 115,806                            |                |                                                                     |
|                         |           |                                            |                |                |                |                | 49,447         | 50,889         | 52,201 | 36,481         | 8,690 |               | 117,235            | —                                  | 116,928        |                                                                     |
| 2403-3692               | 105 × 3,5 | H8—11H                                     | 2,008          | 2,867          | 3,761          |                |                |                |        | 6,518          | 14    | 111,281       | 111,167            | 110,974                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 116,244       | —                  | 115,936                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,690          |       | 117,363       | —                  | 117,056                            |                |                                                                     |
| 2403-3694               | 110 × 3,5 | H7—9H                                      | 2,067          | 2,973          | 3,905          |                |                |                |        | 6,518          | 14    | 116,152       | 116,037            | 115,844                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 121,060       | —                  | 120,752                            | 8,690          |                                                                     |
|                         |           |                                            |                |                |                |                | 51,969         | 53,399         | 54,711 | 37,151         | 8,690 |               | 122,171            | —                                  | 121,863        |                                                                     |
| 2403-3695               |           | H8—11H                                     | 2,021          | 2,927          | 3,860          |                |                |                |        | 6,518          | 14    | 116,292       | 116,178            | 115,984                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 121,189       | —                  | 120,881                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,690          |       | 122,297       | —                  | 121,989                            |                |                                                                     |
| 2403-3697               | 120 × 3,5 | H7—9H                                      | 2,091          | 2,873          | 3,685          |                |                |                |        | 6,518          | 16    | 126,437       | 126,307            | 126,129                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 131,617       | —                  | 131,308                            |                |                                                                     |
|                         |           |                                            |                |                |                |                | 56,962         | 58,411         | 59,736 | 44,030         | 8,690 |               | 132,781            | —                                  | 132,473        | 8,282                                                               |
| 2403-3698               |           | H8—11H                                     | 2,047          | 2,828          | 3,641          |                |                |                |        | 6,518          | 16    | 126,591       | 126,461            | 126,283                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 131,756       | —                  | 131,448                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,690          |       | 132,917       | —                  | 132,609                            |                |                                                                     |
| 2403-3701               | 130 × 3,5 | H7—9H                                      | 2,058          | 2,924          | 3,805          |                |                |                |        | 6,518          | 15    | 136,279       | 136,156            | 135,971                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 141,294       | —                  | 140,986                            |                |                                                                     |
|                         |           |                                            |                |                |                |                | 61,956         | 63,406         | 64,728 | 45,397         | 8,690 |               | 142,430            | —                                  | 142,122        | 8,690                                                               |
| 2403-3702               |           | H8—11H                                     | 2,013          | 2,879          | 3,760          |                |                |                |        | 6,518          | 15    | 136,424       | 136,302            | 136,116                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,282          |       | 141,429       | —                  | 141,121                            |                |                                                                     |
|                         |           |                                            |                |                |                |                |                |                |        | 8,690          |       | 142,562       | —                  | 142,254                            |                |                                                                     |



Продолжение табл. 7

Размеры, мм

| Обозначение<br>проточки | D × m  | Сочетание<br>полей<br>допуска<br>D и d | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>4</sub> | y <sub>4</sub> | R      | d <sub>p</sub> | W      | M             |                              |                                         | d <sub>pl</sub> | M <sub>1</sub><br>(на перед-<br>ней на-<br>правляю-<br>щей) |       |
|-------------------------|--------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|--------|---------------|------------------------------|-----------------------------------------|-----------------|-------------------------------------------------------------|-------|
|                         |        |                                        |                |                |                |                |                |                |                |                |        |                |        | на<br>буртике | на зубе<br>поверх<br>буртика | на послед-<br>нем ка-<br>лужном<br>зубе |                 |                                                             |       |
| 2403-3704               | 60 × 4 | H7—9H                                  | 2,408          | 3,675          | 5,191          |                |                |                | 16,325         | 16,123         |        |                | 8,282  | 19            | 67,903                       | 67,767                                  | 67,572          | 13,133                                                      | 78,43 |
|                         |        |                                        |                |                |                |                |                |                |                |                | 17,301 | 10,353         | —      | 73,051        | —                            | 72,719                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                | 26,400         | 27,925         | 29,365         |                |        |                | 13,133 | —             | 79,723                       | —                                       | 79,391          |                                                             |       |
| 2403-3705               |        | H8—11H                                 | 2,365          | 3,632          | 5,149          |                |                |                | 16,282         |                |        |                | 8,282  | 19            | 68,003                       | 67,867                                  | 67,671          |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 10,353         | —      | 73,140        | —                            | 72,809                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 13,133         | —      | 79,802        | —                            | 79,471                                  |                 |                                                             |       |
| 2403-3707               |        | H7—9H                                  | 2,405          | 3,741          | 5,227          |                |                |                | 16,340         |                |        | 8,282          | 16     | 67,899        | 67,769                       | 67,577                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 10,353         | —      | 73,044        | —                            | 72,722                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                | 17,334 | 13,133         | —      | 79,714        | —                            | 79,392                                  |                 |                                                             |       |
| 2403-3708               |        | H8—11H                                 | 2,362          | 3,698          | 5,184          |                |                | 26,396         | 27,992         | 29,390         |        | 8,282          | 16     | 67,999        | 67,869                       | 67,676                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                | 16,297         |                |        | 10,353         | —      | 73,134        | —                            | 72,811                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 13,133         | —      | 79,794        | —                            | 79,471                                  |                 |                                                             |       |
| 2403-3711               | 65 × 4 | H7—9H                                  | 2,335          | 3,387          | 4,674          |                |                |                | 16,793         |                |        | 8,282          | 20     | 73,762        | 73,618                       | 73,436                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 10,353         | —      | 79,138        | —                            | 78,813                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                | 16,827 | 12,423         | —      | 84,300        | —                            | 83,975                                  |                 |                                                             |       |
| 2403-3712               |        | H7—9H                                  | 2,294          | 3,347          | 4,633          |                |                | 30,528         | 32,032         | 20,358         |        | 8,282          | 20     | 73,869        | 73,726                       | 73,544                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                | 16,752         |                |        | 10,353         | —      | 79,233        | —                            | 78,908                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 12,423         | —      | 84,386        | —                            | 84,061                                  |                 |                                                             |       |
| 2403-3714               |        | H7—9H                                  | 2,335          | 3,358          | 4,604          |                |                |                | 16,701         |                |        | 8,282          | 17     | 73,757        | 73,619                       | 73,434                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 10,353         | —      | 79,131        | —                            | 78,807                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                | 16,724 | 12,423         | —      | 84,289        | —                            | 83,966                                  |                 |                                                             |       |
| 2403-3715               |        | H8—11H                                 | 2,294          | 3,318          | 4,564          |                |                | 30,487         | 31,953         | 20,405         |        | 8,282          | 17     | 73,865        | 73,726                       | 73,542                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                | 16,660         |                |        | 10,353         | —      | 79,225        | —                            | 78,902                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 12,423         | —      | 84,374        | —                            | 84,051                                  |                 |                                                             |       |
| 2403-3717               | 70 × 4 | H7—9H                                  | 2,313          | 3,481          | 4,802          |                |                |                | 18,264         |                |        | 8,282          | 20     | 78,962        | 78,817                       | 78,635                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 10,353         | —      | 84,333        | —                            | 84,006                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                | 18,812 | 12,423         | —      | 89,510        | —                            | 89,183                                  |                 |                                                             |       |
| 2403-3718               |        | H8—11H                                 | 2,272          | 3,410          | 4,761          |                |                | 31,405         | 33,065         | 21,432         |        | 8,282          | 20     | 79,070        | 78,925                       | 78,743                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                | 18,222         |                |        | 10,353         | —      | 84,430        | —                            | 84,103                                  |                 |                                                             |       |
|                         |        |                                        |                |                |                |                |                |                |                |                |        | 12,423         | —      | 89,598        | —                            | 89,271                                  |                 |                                                             |       |

84,36

Продолжение табл. 7

Размеры, мм

| Обозначение<br>проточки | D × m  | Советские<br>полосы<br>пусковые<br>Д и Е | x <sub>1</sub> | x <sub>2</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>4</sub> | y <sub>4</sub> | R      | d <sub>p</sub> | w  | M             |                        |                                                       | d <sub>p1</sub> | M <sub>1</sub><br>(на проточ-<br>ной ма-<br>шинах)<br>(в мм) |
|-------------------------|--------|------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|------------------------|-------------------------------------------------------|-----------------|--------------------------------------------------------------|
|                         |        |                                          |                |                |                |                |                |                |                |        |                |    | на<br>буртике | на<br>поверх-<br>ности | на послед-<br>ней клас-<br>сификаци-<br>онной<br>губе |                 |                                                              |
| 2403-3721               | 70 × 4 | H7-9H                                    | 2,313          | 3,466          | 4,749          |                |                | 18,194         | 21,461         | 18,738 | 8,282          | 17 | 78,958        | 78,819                 | 78,633                                                | 84,36           |                                                              |
| 2403-3722               |        | H8-11H                                   | 2,272          | 3,425          | 4,708          | 31,405         | 33,044         | 34,512         |                |        | 10,353         | —  | 84,327        | —                      | 84,002                                                |                 |                                                              |
| 2403-3724               | 75 × 4 | H7-9H                                    | 2,362          | 3,502          | 4,840          |                |                | 19,664         | 22,545         | 20,716 | 8,282          | 19 | 79,066        | 78,927                 | 78,741                                                | 88,89           |                                                              |
| 2403-3725               |        | H8-11H                                   | 2,321          | 3,460          | 4,799          | 35,503         | 37,016         | 38,938         |                |        | 10,353         | —  | 84,423        | —                      | 84,098                                                |                 |                                                              |
| 2403-3727               | 80 × 4 | H7-9H                                    | 2,362          | 3,564          | 4,876          |                |                | 19,682         | 22,507         | 20,752 | 8,282          | 16 | 83,466        | 83,335                 | 83,151                                                | 94,08           |                                                              |
| 2403-3728               |        | H8-11H                                   | 2,320          | 3,522          | 4,835          | 35,578         | 37,048         | 38,960         |                |        | 10,353         | —  | 88,800        | —                      | 88,484                                                |                 |                                                              |
| 2403-3731               | 80 × 4 | H7-9H                                    | 2,415          | 3,593          | 4,958          |                |                | 21,127         | 23,608         | 22,701 | 8,282          | 19 | 88,623        | 88,485                 | 88,296                                                | 10,950          |                                                              |
| 2403-3732               |        | H8-11H                                   | 2,373          | 3,551          | 4,915          | 38,026         | 39,542         | 41,058         |                |        | 10,353         | —  | 93,955        | —                      | 93,628                                                |                 |                                                              |
| 2403-3734               | 80 × 4 | H7-9H                                    | 2,415          | 3,657          | 4,994          |                |                | 21,139         | 23,571         | 22,731 | 8,282          | 16 | 88,618        | 88,486                 | 88,301                                                | 94,08           |                                                              |
| 2403-3735               |        | H8-11H                                   | 2,372          | 3,615          | 4,952          | 38,101         | 39,573         | 41,085         |                |        | 10,353         | —  | 93,948        | —                      | 93,631                                                |                 |                                                              |
|                         |        |                                          |                |                |                |                |                | 21,097         |                |        | 8,282          | 16 | 88,725        | 88,594                 | 88,408                                                |                 |                                                              |
|                         |        |                                          |                |                |                |                |                |                |                |        | 10,353         | —  | 94,046        | —                      | 93,729                                                |                 |                                                              |
|                         |        |                                          |                |                |                |                |                |                |                |        | 12,423         | —  | 99,206        | —                      | 98,889                                                |                 |                                                              |

Размеры, мм

| Обозначение<br>прокатки | Д × м  | Соединение<br>по ГОСТ<br>Д и е | z <sub>1</sub> | z <sub>2</sub> | z <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>0</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | на<br>бурение | M<br>на зубе<br>поверх<br>зуба | на п. след.<br>ком. кл.<br>брусок<br>зуба | d <sub>pi</sub> | M <sub>i</sub><br>(на перед.<br>прямом<br>шар) |
|-------------------------|--------|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|--------------------------------|-------------------------------------------|-----------------|------------------------------------------------|
| 2403-3737               | 85 × 4 | H7-9H                          | 2,319          | 3,335          | 4,529          |                |                |                | 21,331         | 27,896         | 21,988 | 8,282          | 21 | 94,285        | 94,114                         | 93,931                                    | 99,77           | 10,950                                         |
|                         |        |                                |                |                |                | 40,529         | 42,078         |                |                |                |        | 10,353         |    | 99,795        |                                | 95,461                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                | 21,291         |                |        | 10,950         | 21 | 101,348       |                                | 101,014                                   |                 |                                                |
| 2403-3738               |        | H8-11H                         | 2,278          | 3,294          | 4,488          | 38,941         |                |                |                |                |        | 8,282          |    | 94,379        | 94,228                         | 94,045                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 99,898        |                                | 99,564                                    | 99,77           | 10,950                                         |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,950         |    | 101,448       |                                | 101,114                                   |                 |                                                |
| 2403-3741               |        | H7-9H                          | 2,319          | 3,390          | 4,561          |                |                |                | 21,356         |                |        | 8,282          | 18 | 94,258        | 94,111                         | 103,933                                   |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 99,796        |                                | 99,461                                    |                 |                                                |
|                         |        |                                |                |                |                | 40,605         | 42,111         |                |                | 27,856         | 22,029 | 10,950         | 18 | 101,338       |                                | 101,013                                   |                 |                                                |
| 2403-3742               |        | H8-11H                         | 2,278          | 3,350          | 4,520          |                |                |                | 21,315         |                |        | 8,282          |    | 94,372        | 94,225                         | 94,047                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 99,888        |                                | 99,563                                    | 104,39          | 10,950                                         |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,950         |    | 101,438       |                                | 101,113                                   |                 |                                                |
| 2403-3744               | 90 × 4 | H7-9H                          | 2,348          | 3,406          | 4,631          |                |                |                | 22,912         |                |        | 8,282          | 20 | 98,865        | 98,721                         | 98,532                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 104,357       |                                | 104,024                                   |                 |                                                |
|                         |        |                                |                |                |                | 43,056         | 44,607         |                |                | 28,910         | 24,095 | 10,950         |    | 105,903       |                                | 105,570                                   |                 |                                                |
| 2403-3745               |        | H8-11H                         | 2,307          | 3,365          | 4,590          | 41,469         |                |                |                |                |        | 8,282          | 20 | 98,978        | 98,834                         | 98,645                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                | 22,871         |                |        | 10,353         |    | 104,459       |                                | 104,126                                   | 104,39          | 10,950                                         |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,950         |    | 106,003       |                                | 105,669                                   |                 |                                                |
| 2403-3747               |        | H7-9H                          | 2,348          | 3,464          | 4,664          |                |                |                | 22,882         |                |        | 8,282          | 17 | 98,860        | 98,721                         | 98,544                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 104,348       |                                | 104,032                                   |                 |                                                |
|                         |        |                                |                |                |                | 43,132         | 44,639         |                |                | 28,904         | 24,073 | 10,950         |    | 105,894       |                                | 105,578                                   |                 |                                                |
| 2403-3748               |        | H8-11H                         | 2,307          | 3,423          | 4,623          |                |                |                | 22,841         |                |        | 8,282          | 17 | 98,973        | 98,834                         | 98,657                                    |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 104,451       |                                | 104,135                                   | 109,51          | 10,950                                         |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,950         |    | 105,994       |                                | 105,678                                   |                 |                                                |
| 2403-3751               | 95 × 4 | H7-9H                          | 2,382          | 3,476          | 4,728          |                |                |                | 24,368         |                |        | 8,282          | 19 | 103,968       | 103,830                        | 103,641                                   |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 109,443       |                                | 109,116                                   |                 |                                                |
|                         |        |                                |                |                |                | 43,988         | 45,573         | 47,125         |                | 30,003         | 26,056 | 10,950         |    | 110,988       |                                | 110,661                                   |                 |                                                |
| 2403-3752               |        | H8-11H                         | 2,340          | 3,435          | 4,686          |                |                |                | 24,326         |                |        | 8,282          | 19 | 104,081       | 103,943                        | 103,754                                   |                 |                                                |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,353         |    | 109,546       |                                | 109,219                                   | 109,51          | 10,950                                         |
|                         |        |                                |                |                |                |                |                |                |                |                |        | 10,950         |    | 111,088       |                                | 110,761                                   |                 |                                                |

Размеры, мм

| Обозначение<br>проточки | D × m   | Система<br>допусков<br>D и F | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>6</sub> | y <sub>6</sub> | R      | d <sub>p</sub> | ψ  | M             |                             |                                        | d <sub>p1</sub> | M <sub>1</sub><br>(на период<br>эксплуатации<br>проточки) |
|-------------------------|---------|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|---------------|-----------------------------|----------------------------------------|-----------------|-----------------------------------------------------------|
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | на<br>буртике | на зубе<br>поверх<br>поверх | на послед-<br>нем ка-<br>жущем<br>зубе |                 |                                                           |
| 2403-3754               | 95 × 4  | H7-9H                        | 2,382          | 3,535          | 4,761          | 43,986         | 45,649         | 47,158         | 24,384         | 29,963         | 26,091 | 8,282          | 16 | 103,963       | 103,832                     | 103,646                                | 109,51          |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 109,436       | —                           | 109,119                                |                 |                                                           |
| 2403-3755               |         | H8-11H                       | 2,340          | 3,494          | 4,719          |                |                |                | 24,342         |                |        | 8,282          | 16 | 104,076       | 103,945                     | 103,759                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 109,539       | —                           | 109,222                                |                 |                                                           |
| 2403-3757               |         | H7-9H                        | 2,333          | 3,296          | 4,411          | 48,068         | 49,641         |                | 24,425         |                | 25,235 | 7,000          | 19 | 105,827       | 105,689                     | 105,493                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 110,614       | —                           | 110,280                                |                 |                                                           |
| 2403-3758               | 100 × 4 | H8-11H                       | 2,293          | 3,256          | 4,371          | 46,466         |                |                | 24,385         | 34,271         |        | 8,690          | 19 | 105,955       | 105,818                     | 105,621                                | 115,08          |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 110,731       | —                           | 110,397                                |                 |                                                           |
| 2403-3761               |         | H7-9H                        | 2,333          | 3,348          | 4,440          |                |                |                | 24,436         |                |        | 7,000          | 16 | 105,823       | 105,692                     | 105,506                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 110,607       | —                           | 110,290                                |                 |                                                           |
| 2403-3762               |         | H8-11H                       | 2,293          | 3,308          | 4,400          |                | 48,145         | 49,674         | 24,396         | 34,239         | 25,260 | 7,000          | 16 | 105,952       | 105,821                     | 105,635                                | 115,08          |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 110,724       | —                           | 110,407                                |                 |                                                           |
| 2403-3764               |         | H7-9H                        | 2,344          | 3,345          | 4,489          |                |                |                | 25,981         |                |        | 8,690          | 19 | 110,540       | 110,403                     | 110,214                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 115,274       | —                           | 114,948                                |                 |                                                           |
| 2403-3765               | 105 × 4 | H8-11H                       | 2,303          | 3,304          | 4,448          | 48,984         | 50,585         | 52,159         | 25,941         | 35,327         | 27,299 | 7,000          | 19 | 110,667       | 110,530                     | 110,340                                | 119,76          |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 115,390       | —                           | 115,063                                |                 |                                                           |
| 2403-3767               |         | H7-9H                        | 2,344          | 3,398          | 4,519          |                |                |                | 25,989         |                | 27,352 | 7,000          | 16 | 110,537       | 110,405                     | 110,220                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 115,267       | —                           | 114,951                                |                 |                                                           |
| 2403-3768               |         | H8-11H                       | 2,303          | 3,358          | 4,478          |                | 50,652         | 52,192         | 25,948         | 35,295         |        | 7,000          | 16 | 110,663       | 110,532                     | 110,347                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        |                |    | 115,383       | —                           | 115,067                                |                 |                                                           |
|                         |         |                              |                |                |                |                |                |                |                |                |        | 10,950         | —  | 121,448       | —                           | 121,132                                |                 |                                                           |

Продолжение табл. 7

Размеры, мм

| Обозначение<br>проточки | D × m   | Состояние<br>поверхности<br>D и m | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | z <sub>3</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | M                  |                                            | d <sub>p1</sub> | M <sub>1</sub><br>(на перед-<br>ней на-<br>правле-<br>ной) |
|-------------------------|---------|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|--------------------|--------------------------------------------|-----------------|------------------------------------------------------------|
|                         |         |                                   |                |                |                |                |                |                |                |                |        |                |    | на зубе<br>номер W | на послед-<br>ней кали-<br>брующей<br>зубе |                 |                                                            |
| 2403-3771               |         | H7-9H                             | 2,357          | 3,391          | 4,561          |                |                |                | 27,495         | 36,403         | 29,321 | 8,282          | 20 | 119,242            | 119,097                                    | 118,915         |                                                            |
|                         |         |                                   |                |                |                |                |                | 53,098         | 54,672         |                |        | 10,353         |    | 124,839            | —                                          | 124,512         |                                                            |
| 2403-3772               | 110 × 4 | H8-11H                            | 2,311          | 3,345          | 4,515          | 51,496         |                |                | 27,449         |                |        | 10,950         | 20 | 119,374            | 119,229                                    | 119,047         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,353         |    | 124,960            | —                                          | 124,633         | 124,87                                                     |
| 2403-3774               |         | H7-9H                             | 2,357          | 3,446          | 4,592          |                |                |                |                |                |        | 10,950         |    | 126,536            | —                                          | 126,209         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 8,282          | 18 | 119,236            | 119,088                                    | 118,919         |                                                            |
| 2403-3775               |         | H8-11H                            | 2,311          | 3,400          | 4,546          |                |                | 53,174         | 54,705         | 36,358         | 29,363 | 10,353         |    | 124,831            | —                                          | 124,514         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,950         |    | 126,408            | —                                          | 126,091         |                                                            |
|                         |         |                                   |                |                |                |                |                |                | 27,471         |                |        | 8,282          | 18 | 119,368            | 119,220                                    | 119,051         |                                                            |
| 2403-3777               |         | H7-9H                             | 2,389          | 3,478          | 4,690          |                |                |                |                |                |        | 10,353         |    | 124,952            | —                                          | 124,635         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,950         |    | 126,526            | —                                          | 126,209         |                                                            |
| 2403-3778               | 120 × 4 | H8-11H                            | 2,343          | 3,431          | 4,643          | 56,480         |                |                | 30,415         | 38,580         | 33,293 | 8,282          | 19 | 128,969            | 128,832                                    | 128,635         |                                                            |
|                         |         |                                   |                |                |                |                |                | 58,082         | 59,658         |                |        | 10,353         |    | 134,514            | —                                          | 134,180         | 10,950                                                     |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,950         |    | 136,082            | —                                          | 135,748         | 134,60                                                     |
| 2403-3781               |         | H7-9H                             | 2,389          | 3,535          | 4,722          |                |                |                |                |                |        | 10,353         |    | 134,635            | —                                          | 134,301         |                                                            |
|                         |         |                                   |                |                |                |                |                |                | 30,420         |                |        | 10,950         |    | 136,201            | —                                          | 135,867         |                                                            |
| 2403-3782               |         | H8-11H                            | 2,342          | 3,489          | 4,675          |                |                |                |                |                |        | 8,282          | 16 | 128,966            | 128,835                                    | 128,649         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,353         |    | 134,508            | —                                          | 134,191         |                                                            |
| 2403-3784               |         | H7-9H                             | 2,372          | 3,390          | 4,523          |                |                |                | 32,150         |                |        | 10,950         |    | 136,075            | —                                          | 135,758         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 8,282          | 16 | 129,096            | 128,965                                    | 128,779         |                                                            |
|                         |         |                                   |                |                |                |                |                |                | 30,373         |                |        | 10,353         |    | 134,628            | —                                          | 134,311         |                                                            |
| 2403-3785               | 130 × 4 | H8-11H                            | 2,326          | 3,344          | 4,477          | 61,524         | 63,135         | 64,724         |                | 43,831         | 34,638 | 10,950         |    | 136,193            | —                                          | 135,876         | 144,86                                                     |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 7,000          | 18 | 135,538            | 135,407                                    | 135,211         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 8,690          |    | 140,286            | —                                          | 139,960         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,950         |    | 146,424            | —                                          | 146,098         |                                                            |
|                         |         |                                   |                |                |                |                |                |                | 32,105         |                |        | 7,000          | 18 | 135,681            | 135,550                                    | 135,354         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 8,690          |    | 140,419            | —                                          | 140,093         |                                                            |
|                         |         |                                   |                |                |                |                |                |                |                |                |        | 10,950         |    | 146,547            | —                                          | 146,220         |                                                            |

Размеры, мм

| Обозначение<br>профиля | D × m   | Сочетание<br>полей<br>допуска<br>D и d | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | x <sub>0</sub> | R      | d <sub>p</sub> | W  | M         |                     |                                          | d <sub>p1</sub> | M <sub>2</sub><br>(на породах<br>неявляющихся<br>профилями) |
|------------------------|---------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|-----------|---------------------|------------------------------------------|-----------------|-------------------------------------------------------------|
|                        |         |                                        |                |                |                |                |                |                |                |        |                |    | на буртах | на зубе<br>номер 17 | на посадоч-<br>ном кан-<br>трике<br>зуба |                 |                                                             |
| 2403-3787              | 130 × 4 | H7—9H                                  | 2,372          | 3,444          | 4,552          |                |                |                | 32,127         |        | 7,000          | 15 | 135,536   | 135,413             | 135,220                                  |                 |                                                             |
|                        |         |                                        |                |                |                | 61,524         | 63,212         | 64,758         |                | 34,628 | 8,690          | —  | 140,281   | —                   | 139,965                                  |                 |                                                             |
| 2403-3788              |         | H8—11H                                 | 2,326          | 3,398          | 4,506          |                |                |                | 32,082         |        | 7,000          | 15 | 135,679   | 135,556             | 135,363                                  |                 | 144,86                                                      |
|                        |         |                                        |                |                |                |                |                |                |                |        | 8,690          | —  | 140,415   | —                   | 140,098                                  |                 |                                                             |
| 2403-3791              | 70 × 5  | H7—9H                                  | 2,961          | 4,708          | 6,715          |                |                |                | 19,127         |        | 10,950         | —  | 145,539   | —                   | 145,222                                  |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 10,950         | 19 | 81,805    | 81,666              | 81,458                                   |                 |                                                             |
| 2403-3792              |         | H8—11H                                 | 2,913          | 4,659          | 6,667          |                |                |                | 19,078         |        | 13,133         | —  | 87,176    | —                   | 86,830                                   |                 | 95,65                                                       |
|                        |         |                                        |                |                |                | 30,411         | 32,438         | 34,223         |                | 20,233 | 17,362         | —  | 97,229    | —                   | 96,883                                   |                 |                                                             |
| 2403-3794              | 75 × 5  | H7—9H                                  | 2,989          | 4,601          | 6,539          |                |                |                | 20,282         |        | 10,950         | 19 | 81,913    | 81,774              | 81,566                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 13,133         | —  | 87,275    | —                   | 86,929                                   |                 |                                                             |
| 2403-3795              |         | H8—11H                                 | 2,941          | 4,553          | 6,490          |                |                |                |                |        | 17,362         | —  | 97,315    | —                   | 96,968                                   |                 | 100,24                                                      |
|                        |         |                                        |                |                |                | 32,965         | 34,897         | 36,720         |                | 21,511 | 17,362         | —  | 101,827   | —                   | 101,476                                  |                 |                                                             |
| 2403-3797              | 80 × 5  | H7—9H                                  | 3,009          | 4,598          | 6,490          |                |                |                | 21,520         |        | 10,950         | 19 | 86,463    | 86,326              | 86,112                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 13,133         | —  | 91,843    | —                   | 91,492                                   |                 | 106,03                                                      |
| 2403-3788              |         | H8—11H                                 | 2,961          | 4,550          | 6,442          |                |                |                | 21,472         |        | 17,362         | —  | 101,914   | —                   | 101,563                                  |                 |                                                             |
|                        |         |                                        |                |                |                | 35,508         | 37,453         | 39,300         |                | 22,014 | 10,950         | 19 | 91,999    | 91,860              | 91,652                                   |                 |                                                             |
| 2403-3801              | 85 × 5  | H7—9H                                  | 3,040          | 4,610          | 6,464          |                |                |                | 22,768         |        | 13,133         | —  | 97,450    | —                   | 97,104                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 17,362         | —  | 107,648   | —                   | 107,302                                  |                 |                                                             |
| 2403-3802              |         | H8—11H                                 | 2,992          | 4,562          | 6,416          |                |                |                | 22,720         |        | 10,950         | 19 | 92,110    | 91,972              | 91,764                                   |                 | 110,67                                                      |
|                        |         |                                        |                |                |                | 38,064         | 40,019         | 41,887         |                | 23,841 | 13,133         | —  | 97,553    | —                   | 97,206                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 17,362         | —  | 107,737   | —                   | 107,391                                  |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 10,950         | 19 | 96,612    | 96,474              | 96,274                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 13,133         | —  | 102,081   | —                   | 101,743                                  |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 17,362         | —  | 112,313   | —                   | 111,976                                  |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 10,950         | 19 | 96,725    | 96,587              | 96,387                                   |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 13,133         | —  | 102,185   | —                   | 101,847                                  |                 |                                                             |
|                        |         |                                        |                |                |                |                |                |                |                |        | 17,362         | —  | 112,404   | —                   | 112,066                                  |                 |                                                             |



Размеры, мм

| Обозначение<br>проточки | D × m   | Соединение<br>полей<br>допусков<br>D и d | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | y <sub>4</sub> | x <sub>5</sub> | y <sub>5</sub> | R      | d <sub>p</sub> | W  | М<br>на<br>буртаке | М<br>на зубе<br>поверх ш | М <sub>1</sub><br>на послед-<br>нем зубе | d <sub>p1</sub> | М <sub>1</sub><br>(на перед-<br>нем и на<br>послед-<br>нем зубах) |
|-------------------------|---------|------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|--------------------|--------------------------|------------------------------------------|-----------------|-------------------------------------------------------------------|
| 2403-3804               | 90 × 5  | H7—9H                                    | 2,968          | 4,599          | 6,416          |                |                |                |                | 23,920         |                |        | 10,950         | 19 | 102,165            | 102,028                  | 101,820                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                | 25,757         | 25,606 | 13,133         | —  | 107,688            | —                        | 107,341                                  |                 |                                                                   |
| 2403-3805               |         | H8—11H                                   | 2,920          | 4,551          | 6,369          |                |                | 40,476         | 42,560         | 44,445         |                |        | 17,362         | —  | 118,016            | —                        | 117,670                                  | 17,362          | 116,34                                                            |
|                         |         |                                          |                |                |                |                |                |                |                | 23,873         |                |        | 10,950         | 19 | 102,281            | 102,143                  | 101,935                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 13,133         | —  | 107,794            | —                        | 107,448                                  |                 |                                                                   |
| 2403-3807               |         | H7—9H                                    | 2,914          | 4,162          | 5,671          |                |                |                |                |                |                |        | 17,362         | —  | 118,109            | —                        | 117,763                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                | 23,545         |                |        | 8,690          | 19 | 102,033            | 101,894                  | 101,686                                  |                 |                                                                   |
| 2403-3808               | 95 × 5  | H8—11H                                   | 2,869          | 4,117          | 5,626          |                |                |                |                |                |                | 23,590 | 10,950         | —  | 108,309            | —                        | 107,963                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                | 43,072         | 45,078         | 47,027         |                | 31,632 | 13,133         | —  | 114,095            | —                        | 113,749                                  | 13,133          | 112,08                                                            |
|                         |         |                                          |                |                |                |                |                |                |                | 23,500         |                |        | 8,690          | 19 | 102,174            | 102,035                  | 101,827                                  |                 |                                                                   |
| 2403-3811               |         | H7—9H                                    | 3,020          | 4,525          | 6,271          |                |                |                |                |                |                |        | 10,950         | —  | 108,433            | —                        | 108,087                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 13,133         | —  | 114,207            | —                        | 113,861                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                | 26,276         |                |        | 10,950         | 19 | 112,300            | 112,162                  | 111,954                                  |                 |                                                                   |
| 2403-3812               | 100 × 5 | H8—11H                                   | 2,973          | 4,477          | 6,224          |                |                |                |                |                |                | 29,501 | 17,362         | —  | 117,883            | —                        | 117,536                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                | 45,570         | 47,554         | 49,472         |                |        | 13,133         | —  | 128,327            | —                        | 127,980                                  | 17,362          | 126,62                                                            |
|                         |         |                                          |                |                |                |                |                |                |                | 26,229         |                |        | 10,950         | 19 | 112,418            | 112,280                  | 112,072                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 13,133         | —  | 117,992            | —                        | 117,645                                  |                 |                                                                   |
| 2403-3814               |         | H7—9H                                    | 2,893          | 4,128          | 5,600          |                |                |                |                |                |                |        | 17,362         | —  | 128,423            | —                        | 128,076                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                | 25,759         |                |        | 8,690          | 19 | 112,047            | 111,908                  | 111,693                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 10,950         | —  | 118,365            | —                        | 118,012                                  |                 |                                                                   |
| 2403-3815               | 105 × 5 | H8—11H                                   | 2,848          | 4,083          | 5,555          |                |                | 48,033         | 50,049         | 52,018         |                | 35,408 | 13,133         | —  | 124,201            | —                        | 123,848                                  | 13,133          | 122,18                                                            |
|                         |         |                                          |                |                |                |                |                |                |                | 25,714         |                |        | 8,690          | 19 | 112,189            | 112,050                  | 111,835                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 10,950         | —  | 118,492            | —                        | 118,138                                  |                 |                                                                   |
| 2403-3817               |         | H7—9H                                    | 2,982          | 4,450          | 6,137          |                |                |                |                |                |                |        | 13,133         | —  | 124,316            | —                        | 123,963                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                | 28,542         |                |        | 10,353         | 19 | 120,854            | 120,715                  | 120,500                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 13,133         | —  | 128,061            | —                        | 127,707                                  |                 |                                                                   |
| 2403-3818               | 110 × 5 | H8—11H                                   | 2,935          | 4,402          | 6,090          |                |                | 50,532         | 52,531         | 54,474         |                | 33,309 | 16,565         | —  | 136,653            | —                        | 136,299                                  | 16,565          | 134,92                                                            |
|                         |         |                                          |                |                |                |                |                |                |                | 28,495         |                |        | 10,353         | 19 | 120,976            | 120,838                  | 120,623                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 13,133         | —  | 128,172            | —                        | 127,819                                  |                 |                                                                   |
|                         |         |                                          |                |                |                |                |                |                |                |                |                |        | 16,565         | —  | 136,753            | —                        | 136,400                                  |                 |                                                                   |

Размеры, мм

| Обозначение<br>профиля | Д×Н   | Состояние<br>по лбу<br>допуска<br>D и e | x <sub>1</sub> | x <sub>2</sub> | x <sub>3</sub> | y <sub>1</sub> | y <sub>2</sub> | y <sub>3</sub> | z <sub>0</sub> | y <sub>0</sub> | R      | d <sub>p</sub> | W  | на<br>буртах | на субе<br>номер W | на послед-<br>нем ка-<br>лечуру-<br>шем субе | d <sub>ра</sub> | M <sub>1</sub><br>(на перед-<br>ней на-<br>прямо-<br>уголь-<br>ной) |
|------------------------|-------|-----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|----------------|----|--------------|--------------------|----------------------------------------------|-----------------|---------------------------------------------------------------------|
| 2403-3821              | 120×5 | H7—9H                                   | 3,006          | 4,453          | 6,101          | 55,589         | 57,597         | 59,557         | 30,919         | 37,012         | 33,529 | 10,353         | 19 | 130,958      | 130,819            | 130,611                                      | 145,13          | 155,31                                                              |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 13,133         | —  | 138,226      | —                  | 137,879                                      |                 |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 16,000         | —  | 145,487      | —                  | 145,141                                      |                 |                                                                     |
| 2403-3822              |       | H8—11H                                  | 2,954          | 4,401          | 6,048          |                |                |                | 30,867         |                |        | 10,353         | 19 | 131,096      | 130,958            | 130,750                                      | 16,565          |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 13,133         | —  | 138,352      | —                  | 138,006                                      |                 |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 16,000         | —  | 145,604      | —                  | 145,257                                      |                 |                                                                     |
| 2403-3824              | 130×5 | H7—9H                                   | 2,955          | 4,385          | 5,991          | 60,547         | 62,566         | 64,541         | 33,160         | 40,815         | 36,071 | 10,353         | 18 | 141,057      | 140,926            | 140,704                                      | 155,31          |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 13,133         | —  | 148,380      | —                  | 148,027                                      |                 |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 16,000         | —  | 155,700      | —                  | 155,346                                      |                 |                                                                     |
| 2403-3825              |       | H8—11H                                  | 2,913          | 4,333          | 5,939          |                |                |                | 33,108         |                |        | 10,353         | 18 | 141,198      | 141,066            | 140,844                                      |                 |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 13,133         | —  | 148,509      | —                  | 148,155                                      |                 |                                                                     |
|                        |       |                                         |                |                |                |                |                |                |                |                |        | 16,000         | —  | 155,818      | —                  | 155,465                                      |                 |                                                                     |

Таблица 8

## Размеры, мм

| Обозначение<br>профиля           | 2403-3371 |        | 2403-3372 |        | 2403-3374 |        | 2403-3375 |        | 2403-3376 |        | 2403-3377 |        | 2403-3378 |        | 2403-3384 |         | 2403-3385 |         | 2403-3391 |         | 2403-3392 |         | 2403-3397 |         | 2403-3402 |         |
|----------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
|                                  | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |         | Н8-11Н    |         | Н7-9Н     |         | Н8-11Н    |         | Н7-9Н     |         | Н8-11Н    |         |
| Сочетание полки<br>допуска D и e | 70×3      |        | 75×3      |        | 80×3      |        | 85×3      |        | 90×3      |        | 95×3      |        | 100×3     |        | 105×3     |         | 110×3     |         | 115×3     |         | 120×3     |         | 125×3     |         | 130×3     |         |
|                                  | D×m       |        | D×m       |        | D×m       |        | D×m       |        | D×m       |        | D×m       |        | D×m       |        | D×m       |         | D×m       |         | D×m       |         | D×m       |         | D×m       |         | D×m       |         |
| 1                                | 64,880    | 64,880 | 69,840    | 69,840 | 74,800    | 74,800 | 79,760    | 79,760 | 84,720    | 84,720 | 89,680    | 89,680 | 94,640    | 94,640 | 99,600    | 99,600  | 104,560   | 104,560 | 109,520   | 109,520 | 114,480   | 114,480 | 119,440   | 119,440 | 124,400   | 124,400 |
| 2                                | 65,080    | 65,080 | 70,040    | 70,040 | 75,000    | 75,000 | 80,000    | 80,000 | 85,000    | 85,000 | 90,000    | 90,000 | 95,000    | 95,000 | 100,000   | 100,000 | 105,000   | 105,000 | 110,000   | 110,000 | 115,000   | 115,000 | 120,000   | 120,000 | 125,000   | 125,000 |
| 3                                | 65,280    | 65,280 | 70,240    | 70,240 | 75,200    | 75,200 | 80,200    | 80,200 | 85,200    | 85,200 | 90,200    | 90,200 | 95,200    | 95,200 | 100,200   | 100,200 | 105,200   | 105,200 | 110,200   | 110,200 | 115,200   | 115,200 | 120,200   | 120,200 | 125,200   | 125,200 |
| 4                                | 65,480    | 65,480 | 70,440    | 70,440 | 75,400    | 75,400 | 80,400    | 80,400 | 85,400    | 85,400 | 90,400    | 90,400 | 95,400    | 95,400 | 100,400   | 100,400 | 105,400   | 105,400 | 110,400   | 110,400 | 115,400   | 115,400 | 120,400   | 120,400 | 125,400   | 125,400 |
| 5                                | 65,680    | 65,680 | 70,640    | 70,640 | 75,600    | 75,600 | 80,600    | 80,600 | 85,600    | 85,600 | 90,600    | 90,600 | 95,600    | 95,600 | 100,600   | 100,600 | 105,600   | 105,600 | 110,600   | 110,600 | 115,600   | 115,600 | 120,600   | 120,600 | 125,600   | 125,600 |
| 6                                | 65,880    | 65,880 | 70,840    | 70,840 | 75,800    | 75,800 | 80,800    | 80,800 | 85,800    | 85,800 | 90,800    | 90,800 | 95,800    | 95,800 | 100,800   | 100,800 | 105,800   | 105,800 | 110,800   | 110,800 | 115,800   | 115,800 | 120,800   | 120,800 | 125,800   | 125,800 |
| 7                                | 66,080    | 66,080 | 71,040    | 71,040 | 76,000    | 76,000 | 81,000    | 81,000 | 86,000    | 86,000 | 91,000    | 91,000 | 96,000    | 96,000 | 101,000   | 101,000 | 106,000   | 106,000 | 111,000   | 111,000 | 116,000   | 116,000 | 121,000   | 121,000 | 126,000   | 126,000 |
| 8                                | 66,280    | 66,280 | 71,240    | 71,240 | 76,200    | 76,200 | 81,200    | 81,200 | 86,200    | 86,200 | 91,200    | 91,200 | 96,200    | 96,200 | 101,200   | 101,200 | 106,200   | 106,200 | 111,200   | 111,200 | 116,200   | 116,200 | 121,200   | 121,200 | 126,200   | 126,200 |
| 9                                | 66,480    | 66,480 | 71,440    | 71,440 | 76,400    | 76,400 | 81,400    | 81,400 | 86,400    | 86,400 | 91,400    | 91,400 | 96,400    | 96,400 | 101,400   | 101,400 | 106,400   | 106,400 | 111,400   | 111,400 | 116,400   | 116,400 | 121,400   | 121,400 | 126,400   | 126,400 |
| 10                               | 66,680    | 66,680 | 71,640    | 71,640 | 76,600    | 76,600 | 81,600    | 81,600 | 86,600    | 86,600 | 91,600    | 91,600 | 96,600    | 96,600 | 101,600   | 101,600 | 106,600   | 106,600 | 111,600   | 111,600 | 116,600   | 116,600 | 121,600   | 121,600 | 126,600   | 126,600 |
| 11                               | 66,880    | 66,880 | 71,840    | 71,840 | 76,800    | 76,800 | 81,800    | 81,800 | 86,800    | 86,800 | 91,800    | 91,800 | 96,800    | 96,800 | 101,800   | 101,800 | 106,800   | 106,800 | 111,800   | 111,800 | 116,800   | 116,800 | 121,800   | 121,800 | 126,800   | 126,800 |
| 12                               | 67,080    | 67,080 | 72,040    | 72,040 | 77,000    | 77,000 | 82,000    | 82,000 | 87,000    | 87,000 | 92,000    | 92,000 | 97,000    | 97,000 | 102,000   | 102,000 | 107,000   | 107,000 | 112,000   | 112,000 | 117,000   | 117,000 | 122,000   | 122,000 | 127,000   | 127,000 |
| 13                               | 67,280    | 67,280 | 72,240    | 72,240 | 77,200    | 77,200 | 82,200    | 82,200 | 87,200    | 87,200 | 92,200    | 92,200 | 97,200    | 97,200 | 102,200   | 102,200 | 107,200   | 107,200 | 112,200   | 112,200 | 117,200   | 117,200 | 122,200   | 122,200 | 127,200   | 127,200 |
| 14                               | 67,480    | 67,480 | 72,440    | 72,440 | 77,400    | 77,400 | 82,400    | 82,400 | 87,400    | 87,400 | 92,400    | 92,400 | 97,400    | 97,400 | 102,400   | 102,400 | 107,400   | 107,400 | 112,400   | 112,400 | 117,400   | 117,400 | 122,400   | 122,400 | 127,400   | 127,400 |
| 15                               | 67,680    | 67,680 | 72,640    | 72,640 | 77,600    | 77,600 | 82,600    | 82,600 | 87,600    | 87,600 | 92,600    | 92,600 | 97,600    | 97,600 | 102,600   | 102,600 | 107,600   | 107,600 | 112,600   | 112,600 | 117,600   | 117,600 | 122,600   | 122,600 | 127,600   | 127,600 |
| 16                               | 67,880    | 67,880 | 72,840    | 72,840 | 77,800    | 77,800 | 82,800    | 82,800 | 87,800    | 87,800 | 92,800    | 92,800 | 97,800    | 97,800 | 102,800   | 102,800 | 107,800   | 107,800 | 112,800   | 112,800 | 117,800   | 117,800 | 122,800   | 122,800 | 127,800   | 127,800 |
| 17                               | 68,080    | 68,080 | 73,040    | 73,040 | 78,000    | 78,000 | 83,000    | 83,000 | 88,000    | 88,000 | 93,000    | 93,000 | 98,000    | 98,000 | 103,000   | 103,000 | 108,000   | 108,000 | 113,000   | 113,000 | 118,000   | 118,000 | 123,000   | 123,000 | 128,000   | 128,000 |
| 18                               | 68,280    | 68,280 | 73,240    | 73,240 | 78,200    | 78,200 | 83,200    | 83,200 | 88,200    | 88,200 | 93,200    | 93,200 | 98,200    | 98,200 | 103,200   | 103,200 | 108,200   | 108,200 | 113,200   | 113,200 | 118,200   | 118,200 | 123,200   | 123,200 | 128,200   | 128,200 |
| 19                               | 68,480    | 68,480 | 73,440    | 73,440 | 78,400    | 78,400 | 83,400    | 83,400 | 88,400    | 88,400 | 93,400    | 93,400 | 98,400    | 98,400 | 103,400   | 103,400 | 108,400   | 108,400 | 113,400   | 113,400 | 118,400   | 118,400 | 123,400   | 123,400 | 128,400   | 128,400 |
| 20                               | 68,680    | 68,680 | 73,640    | 73,640 | 78,600    | 78,600 | 83,600    | 83,600 | 88,600    | 88,600 | 93,600    | 93,600 | 98,600    | 98,600 | 103,600   | 103,600 | 108,600   | 108,600 | 113,600   | 113,600 | 118,600   | 118,600 | 123,600   | 123,600 | 128,600   | 128,600 |

Номера и размеры D, мм

Нормы и размеры D, мм

Продолжение табл. 8

## Размеры, мм

| Обозначение<br>прокатки             | 2403-4871<br>H7-9H | 2403-4872<br>H8-11H | 2403-4874<br>H7-9H | 2403-4875<br>H8-11H | 2403-4877<br>H7-9H | 2403-4878<br>H8-11H | 2403-4884<br>H7-9H | 2403-4885<br>H8-11H | 2403-4891<br>H7-9H | 2403-4892<br>H8-11H | 2403-4897<br>H7-9H | 2403-4901<br>H8-11H |        |        |        |        |        |        |  |  |  |  |  |  |  |  |
|-------------------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|
| Советские и<br>иностранная<br>Д и Р | 70×3               |                     |                    | 75×3                |                    |                     | 80×3               |                     |                    | 85×3                |                    |                     | 90×3   |        |        | 95×3   |        |        |  |  |  |  |  |  |  |  |
| D × m                               | 70×3               |                     |                    | 75×3                |                    |                     | 80×3               |                     |                    | 85×3                |                    |                     | 90×3   |        |        | 95×3   |        |        |  |  |  |  |  |  |  |  |
| Черновых и переходных               | 21                 | 68,880              | 68,880             | 73,840              | 73,840             | 78,860              | 83,900             | 83,900              | 88,860             | 88,860              | 93,900             | 93,900              | 98,860 | 98,860 | 93,900 | 93,900 | 98,860 | 98,860 |  |  |  |  |  |  |  |  |
|                                     | 22                 | 69,080              | 69,080             | 74,040              | 74,040             | 79,060              | 84,100             | 84,100              | 89,060             | 89,060              | 94,100             | 94,100              | 99,060 | 99,060 | 94,100 | 94,100 | 99,060 | 99,060 |  |  |  |  |  |  |  |  |
|                                     | 23                 | 69,280              | 69,280             | 74,240              | 74,240             | 79,260              | 84,300             | 84,300              | 89,260             | 89,260              | 94,300             | 94,300              | 99,260 | 99,260 | 94,300 | 94,300 | 99,260 | 99,260 |  |  |  |  |  |  |  |  |
|                                     | 24                 | 69,480              | 69,480             | 74,440              | 74,440             | 79,460              | 84,500             | 84,500              | 89,460             | 89,460              | 94,500             | 94,500              | 99,460 | 99,460 | 94,500 | 94,500 | 99,460 | 99,460 |  |  |  |  |  |  |  |  |
|                                     | 25                 | 69,600              | 69,600             | 74,560              | 74,560             | 79,580              | 84,620             | 84,620              | 89,580             | 89,580              | 94,620             | 94,620              | 99,580 | 99,580 | 94,620 | 94,620 | 99,580 | 99,580 |  |  |  |  |  |  |  |  |
|                                     | 26                 | 69,720              | 69,720             | 74,680              | 74,680             | 79,700              | 84,740             | 84,740              | 89,700             | 89,700              | 94,740             | 94,740              | 99,700 | 99,700 | 94,740 | 94,740 | 99,700 | 99,700 |  |  |  |  |  |  |  |  |
|                                     | 27                 | 69,840              | 69,840             | 74,800              | 74,800             | 79,820              | 84,840             | 84,840              | 89,820             | 89,820              | 94,840             | 94,840              | 99,820 | 99,820 | 94,840 | 94,840 | 99,820 | 99,820 |  |  |  |  |  |  |  |  |
|                                     | 28                 | 69,900              | 69,900             | 74,890              | 74,890             | 79,890              | 84,910             | 84,910              | 89,900             | 89,900              | 94,910             | 94,910              | 99,900 | 99,900 | 94,910 | 94,910 | 99,900 | 99,900 |  |  |  |  |  |  |  |  |
|                                     | 29                 | 69,940              | 69,940             | 74,940              | 74,940             | 79,940              | 84,950             | 84,950              | 89,950             | 89,950              | 94,950             | 94,950              | 99,950 | 99,950 | 94,950 | 94,950 | 99,950 | 99,950 |  |  |  |  |  |  |  |  |
| Чистовых                            | 30                 | 69,970              | 69,970             | 74,970              | 74,970             | 79,970              | 84,980             | 84,980              | 89,980             | 89,980              | 94,980             | 94,980              | 99,980 | 99,980 | 94,980 | 94,980 | 99,980 | 99,980 |  |  |  |  |  |  |  |  |
|                                     | 31                 | 69,990              | 70,000             | 74,990              | 75,000             | 80,000              | 85,000             | 85,000              | 90,000             | 90,000              | 95,000             | 95,000              | 99,000 | 99,000 | 95,000 | 95,000 | 99,000 | 99,000 |  |  |  |  |  |  |  |  |
|                                     | 32                 | 70,010              | 70,025             | 75,010              | 75,025             | 80,010              | 85,020             | 85,020              | 90,020             | 90,020              | 95,020             | 95,020              | 99,020 | 99,020 | 95,020 | 95,020 | 99,020 | 99,020 |  |  |  |  |  |  |  |  |
|                                     | 33                 | 70,030              | 70,046             | 75,030              | 75,046             | 80,030              | 85,035             | 85,035              | 90,035             | 90,035              | 95,035             | 95,035              | 99,035 | 99,035 | 95,035 | 95,035 | 99,035 | 99,035 |  |  |  |  |  |  |  |  |
| Калиброванных                       | 34                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |        |        |        |        |        |        |  |  |  |  |  |  |  |  |
|                                     | 35                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |        |        |        |        |        |        |  |  |  |  |  |  |  |  |
|                                     | 36                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |        |        |        |        |        |        |  |  |  |  |  |  |  |  |
|                                     | 37                 | 70,030              | 70,046             | 75,030              | 75,046             | 80,030              | 85,035             | 85,035              | 90,035             | 90,035              | 95,035             | 95,035              | 99,035 | 99,035 | 95,035 | 95,035 | 99,035 | 99,035 |  |  |  |  |  |  |  |  |
|                                     | 38                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |        |        |        |        |        |        |  |  |  |  |  |  |  |  |
|                                     | 39                 |                     |                    |                     |                    |                     |                    |                     |                    |                     |                    |                     |        |        |        |        |        |        |  |  |  |  |  |  |  |  |

Номера и диаметры  $D_1$  и  $D_2$  в мм

Продолжение табл. 8

Нормы и размеры D, мм

Черновых и перекожных

| Обозначение<br>проката | Размеры, мм |        |         |         |         |         |         |         |         |         |         |         | 2403-3028<br>2403-3032 |           |           |           |
|------------------------|-------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------------------|-----------|-----------|-----------|
|                        | 100×3       |        |         |         | 105×3   |         |         |         | 110×3   |         |         |         | 2403-3024              | 2403-3025 | 2403-3026 | 2403-3027 |
|                        | Н7-9Н       | Н8-11Н | Н7-9Н   | Н8-11Н  | Н7-9Н   | Н8-11Н  | Н7-9Н   | Н8-11Н  | Н7-9Н   | Н8-11Н  | Н7-9Н   | Н8-11Н  | Н7-9Н                  | Н8-11Н    | Н7-9Н     | Н8-11Н    |
| D × m                  | 100×3       |        |         |         | 105×3   |         |         |         | 110×3   |         |         |         | 120×3                  |           |           |           |
| 1                      | 94,870      | 94,870 | 99,900  | 99,900  | 99,900  | 104,900 | 104,900 | 104,900 | 114,900 | 114,900 | 114,900 | 114,900 | 124,900                | 124,900   | 124,900   | 48,950    |
| 2                      | 95,070      | 95,070 | 100,100 | 100,100 | 100,100 | 105,100 | 105,100 | 105,100 | 115,100 | 115,100 | 115,100 | 115,100 | 125,100                | 125,100   | 125,100   | 49,170    |
| 3                      | 95,270      | 95,270 | 100,300 | 100,300 | 100,300 | 105,300 | 105,300 | 105,300 | 115,300 | 115,300 | 115,300 | 115,300 | 125,300                | 125,300   | 125,300   | 49,390    |
| 4                      | 95,470      | 95,470 | 100,500 | 100,500 | 100,500 | 105,500 | 105,500 | 105,500 | 115,500 | 115,500 | 115,500 | 115,500 | 125,500                | 125,500   | 125,500   | 49,610    |
| 5                      | 95,670      | 95,670 | 100,700 | 100,700 | 100,700 | 105,700 | 105,700 | 105,700 | 115,700 | 115,700 | 115,700 | 115,700 | 125,700                | 125,700   | 125,700   | 49,830    |
| 6                      | 95,870      | 95,870 | 100,900 | 100,900 | 100,900 | 105,900 | 105,900 | 105,900 | 115,900 | 115,900 | 115,900 | 115,900 | 125,900                | 125,900   | 125,900   | 50,050    |
| 7                      | 96,070      | 96,070 | 101,100 | 101,100 | 101,100 | 106,100 | 106,100 | 106,100 | 116,100 | 116,100 | 116,100 | 116,100 | 126,100                | 126,100   | 126,100   | 50,270    |
| 8                      | 96,270      | 96,270 | 101,300 | 101,300 | 101,300 | 106,300 | 106,300 | 106,300 | 116,300 | 116,300 | 116,300 | 116,300 | 126,300                | 126,300   | 126,300   | 50,490    |
| 9                      | 96,470      | 96,470 | 101,500 | 101,500 | 101,500 | 106,500 | 106,500 | 106,500 | 116,500 | 116,500 | 116,500 | 116,500 | 126,500                | 126,500   | 126,500   | 50,710    |
| 10                     | 96,670      | 96,670 | 101,700 | 101,700 | 101,700 | 106,700 | 106,700 | 106,700 | 116,700 | 116,700 | 116,700 | 116,700 | 126,700                | 126,700   | 126,700   | 50,930    |
| 11                     | 96,870      | 96,870 | 101,900 | 101,900 | 101,900 | 106,900 | 106,900 | 106,900 | 116,900 | 116,900 | 116,900 | 116,900 | 126,900                | 126,900   | 126,900   | 51,150    |
| 12                     | 97,070      | 97,070 | 102,100 | 102,100 | 102,100 | 107,100 | 107,100 | 107,100 | 117,100 | 117,100 | 117,100 | 117,100 | 127,100                | 127,100   | 127,100   | 51,370    |
| 13                     | 97,270      | 97,270 | 102,300 | 102,300 | 102,300 | 107,300 | 107,300 | 107,300 | 117,300 | 117,300 | 117,300 | 117,300 | 127,300                | 127,300   | 127,300   | 51,590    |
| 14                     | 97,470      | 97,470 | 102,500 | 102,500 | 102,500 | 107,500 | 107,500 | 107,500 | 117,500 | 117,500 | 117,500 | 117,500 | 127,500                | 127,500   | 127,500   | 51,810    |
| 15                     | 97,670      | 97,670 | 102,700 | 102,700 | 102,700 | 107,700 | 107,700 | 107,700 | 117,700 | 117,700 | 117,700 | 117,700 | 127,700                | 127,700   | 127,700   | 52,030    |
| 16                     | 97,870      | 97,870 | 102,900 | 102,900 | 102,900 | 107,900 | 107,900 | 107,900 | 117,900 | 117,900 | 117,900 | 117,900 | 127,900                | 127,900   | 127,900   | 52,250    |
| 17                     | 98,070      | 98,070 | 103,100 | 103,100 | 103,100 | 108,100 | 108,100 | 108,100 | 118,100 | 118,100 | 118,100 | 118,100 | 128,100                | 128,100   | 128,100   | 52,470    |
| 18                     | 98,270      | 98,270 | 103,300 | 103,300 | 103,300 | 108,300 | 108,300 | 108,300 | 118,300 | 118,300 | 118,300 | 118,300 | 128,300                | 128,300   | 128,300   | 52,690    |
| 19                     | 98,470      | 98,470 | 103,500 | 103,500 | 103,500 | 108,500 | 108,500 | 108,500 | 118,500 | 118,500 | 118,500 | 118,500 | 128,500                | 128,500   | 128,500   | 52,910    |
| 20                     | 98,670      | 98,670 | 103,700 | 103,700 | 103,700 | 108,700 | 108,700 | 108,700 | 118,700 | 118,700 | 118,700 | 118,700 | 128,700                | 128,700   | 128,700   | 53,130    |

Номера и диаметр D, мм

Черновые и перекольные





Продолжение табл. 8

| Обозначение<br>прокладки          | Размеры, мм            |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | Номера и диаметры $D_1$ углов |  |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------------|--|
|                                   | 60×3,5                 |                        |                        |                        | 65×3,5                 |                        |                        |                        | 70×3,5                 |                        |                        |                        |                               |  |
|                                   | 2403-3034<br>2403-3037 | 2403-3035<br>2403-3038 | 2403-3041<br>2403-3044 | 2403-3042<br>2403-3045 | 2403-3047<br>2403-3051 | 2403-3048<br>2403-3052 | 2403-3054<br>2403-3057 | 2403-3055<br>2403-3058 | 2403-3061<br>2403-3064 | 2403-3062<br>2403-3065 | 2403-3067<br>2403-3071 | 2403-3068<br>2403-3072 |                               |  |
| Составные части<br>показаны D и F | 80×3,5                 |                        | 85×3,5                 |                        | 90×3,5                 |                        | 95×3,5                 |                        | 100×3,5                |                        | 105×3,5                |                        | D × m                         |  |
|                                   | ИТ—9Н                  | ИТ—11Н                 | ИТ—9Н                  | ИТ—11Н                 | ИТ—9Н                  | ИТ—11Н                 | ИТ—9Н                  | ИТ—11Н                 | ИТ—9Н                  | ИТ—11Н                 | ИТ—9Н                  | ИТ—11Н                 |                               |  |
| 1                                 | 53,900                 | 53,900                 | 58,980                 | 58,980                 | 63,980                 | 63,980                 | 68,920                 | 68,920                 | 73,980                 | 73,980                 | 78,940                 | 78,940                 | 85×3,5                        |  |
| 2                                 | 54,120                 | 54,120                 | 59,200                 | 59,200                 | 64,200                 | 64,200                 | 69,140                 | 69,140                 | 74,200                 | 74,200                 | 79,160                 | 79,160                 | 80×3,5                        |  |
| 3                                 | 54,340                 | 54,340                 | 59,420                 | 59,420                 | 64,420                 | 64,420                 | 69,360                 | 69,360                 | 74,420                 | 74,420                 | 79,380                 | 79,380                 | 85×3,5                        |  |
| 4                                 | 54,560                 | 54,560                 | 59,640                 | 59,640                 | 64,640                 | 64,640                 | 69,580                 | 69,580                 | 74,640                 | 74,640                 | 79,600                 | 79,600                 | 90×3,5                        |  |
| 5                                 | 54,780                 | 54,780                 | 59,860                 | 59,860                 | 64,860                 | 64,860                 | 69,800                 | 69,800                 | 74,860                 | 74,860                 | 79,820                 | 79,820                 | 95×3,5                        |  |
| 6                                 | 55,000                 | 55,000                 | 60,080                 | 60,080                 | 65,080                 | 65,080                 | 70,020                 | 70,020                 | 75,080                 | 75,080                 | 80,040                 | 80,040                 | 100×3,5                       |  |
| 7                                 | 55,220                 | 55,220                 | 60,300                 | 60,300                 | 65,300                 | 65,300                 | 70,240                 | 70,240                 | 75,300                 | 75,300                 | 80,260                 | 80,260                 | 105×3,5                       |  |
| 8                                 | 55,440                 | 55,440                 | 60,520                 | 60,520                 | 65,520                 | 65,520                 | 70,460                 | 70,460                 | 75,520                 | 75,520                 | 80,480                 | 80,480                 | 110×3,5                       |  |
| 9                                 | 55,660                 | 55,660                 | 60,740                 | 60,740                 | 65,740                 | 65,740                 | 70,680                 | 70,680                 | 75,740                 | 75,740                 | 80,700                 | 80,700                 | 115×3,5                       |  |
| 10                                | 55,880                 | 55,880                 | 60,960                 | 60,960                 | 65,960                 | 65,960                 | 70,900                 | 70,900                 | 75,960                 | 75,960                 | 80,920                 | 80,920                 | 120×3,5                       |  |
| 11                                | 56,100                 | 56,100                 | 61,180                 | 61,180                 | 66,180                 | 66,180                 | 71,120                 | 71,120                 | 76,180                 | 76,180                 | 81,140                 | 81,140                 | 125×3,5                       |  |
| 12                                | 56,320                 | 56,320                 | 61,400                 | 61,400                 | 66,400                 | 66,400                 | 71,340                 | 71,340                 | 76,400                 | 76,400                 | 81,360                 | 81,360                 | 130×3,5                       |  |
| 13                                | 56,540                 | 56,540                 | 61,620                 | 61,620                 | 66,620                 | 66,620                 | 71,560                 | 71,560                 | 76,620                 | 76,620                 | 81,580                 | 81,580                 | 135×3,5                       |  |
| 14                                | 56,760                 | 56,760                 | 61,840                 | 61,840                 | 66,840                 | 66,840                 | 71,780                 | 71,780                 | 76,840                 | 76,840                 | 81,800                 | 81,800                 | 140×3,5                       |  |
| 15                                | 56,980                 | 56,980                 | 62,060                 | 62,060                 | 67,060                 | 67,060                 | 72,000                 | 72,000                 | 77,060                 | 77,060                 | 82,020                 | 82,020                 | 145×3,5                       |  |
| 16                                | 57,200                 | 57,200                 | 62,280                 | 62,280                 | 67,280                 | 67,280                 | 72,220                 | 72,220                 | 77,280                 | 77,280                 | 82,240                 | 82,240                 | 150×3,5                       |  |
| 17                                | 57,420                 | 57,420                 | 62,500                 | 62,500                 | 67,500                 | 67,500                 | 72,440                 | 72,440                 | 77,500                 | 77,500                 | 82,460                 | 82,460                 | 155×3,5                       |  |
| 18                                | 57,640                 | 57,640                 | 62,720                 | 62,720                 | 67,720                 | 67,720                 | 72,660                 | 72,660                 | 77,720                 | 77,720                 | 82,680                 | 82,680                 | 160×3,5                       |  |
| 19                                | 57,860                 | 57,860                 | 62,940                 | 62,940                 | 67,940                 | 67,940                 | 72,880                 | 72,880                 | 77,940                 | 77,940                 | 82,900                 | 82,900                 | 165×3,5                       |  |
| 20                                | 58,080                 | 58,080                 | 63,160                 | 63,160                 | 68,160                 | 68,160                 | 73,100                 | 73,100                 | 78,160                 | 78,160                 | 83,120                 | 83,120                 | 170×3,5                       |  |
| 21                                | 58,300                 | 58,300                 | 63,380                 | 63,380                 | 68,380                 | 68,380                 | 73,320                 | 73,320                 | 78,380                 | 78,380                 | 83,340                 | 83,340                 | 175×3,5                       |  |

Черновые и переходные

Размеры, мм

| Обозначение<br>прокатки          | 60×3,5                 |                        | 65×3,5                 |                        | 70×3,5                 |                        | 75×3,5                 |                        | 80×3,5                 |                        | 85×3,5                 |                        |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                                  | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 |
| 2403-3634<br>2403-3637           | 2403-3635<br>2403-3638 | 2403-3641<br>2403-3644 | 2403-3642<br>2403-3645 | 2403-3646<br>2403-3649 | 2403-3651<br>2403-3654 | 2403-3655<br>2403-3658 | 2403-3661<br>2403-3664 | 2403-3662<br>2403-3665 | 2403-3667<br>2403-3671 | 2403-3672<br>2403-3675 | 2403-3676<br>2403-3679 | 2403-3680<br>2403-3683 |
| Сочетание полки<br>допуска D и e | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 | Н7—9Н                  | Н8—11Н                 |
| D × m                            | 60×3,5                 | 65×3,5                 | 70×3,5                 | 75×3,5                 | 80×3,5                 | 85×3,5                 | 90×3,5                 | 95×3,5                 | 100×3,5                | 105×3,5                | 110×3,5                | 115×3,5                |
| Черновых и переходных            | 22                     | 58,520                 | 58,520                 | 63,600                 | 63,600                 | 68,600                 | 68,600                 | 73,540                 | 73,540                 | 78,600                 | 78,600                 | 83,560                 |
|                                  | 23                     | 58,740                 | 58,740                 | 63,820                 | 63,820                 | 68,820                 | 68,820                 | 73,760                 | 73,760                 | 78,820                 | 78,820                 | 83,780                 |
|                                  | 24                     | 58,960                 | 58,960                 | 64,040                 | 64,040                 | 69,040                 | 69,040                 | 73,980                 | 73,980                 | 79,040                 | 79,040                 | 84,000                 |
|                                  | 25                     | 59,180                 | 59,180                 | 64,260                 | 64,260                 | 69,260                 | 69,260                 | 74,200                 | 74,200                 | 79,260                 | 79,260                 | 84,220                 |
|                                  | 26                     | 59,400                 | 59,400                 | 64,480                 | 64,480                 | 69,480                 | 69,480                 | 74,420                 | 74,420                 | 79,480                 | 79,480                 | 84,440                 |
| Чистовых                         | 27                     | 59,620                 | 59,620                 | 64,700                 | 64,700                 | 69,700                 | 69,700                 | 74,640                 | 74,640                 | 79,700                 | 79,700                 | 84,660                 |
|                                  | 28                     | 59,840                 | 59,840                 | 64,920                 | 64,920                 | 69,920                 | 69,920                 | 74,860                 | 74,860                 | 79,920                 | 79,920                 | 84,880                 |
|                                  | 29                     | 59,830                 | 59,830                 | 64,810                 | 64,810                 | 69,810                 | 69,810                 | 74,750                 | 74,750                 | 79,810                 | 79,810                 | 84,870                 |
|                                  | 30                     | 59,890                 | 59,890                 | 64,880                 | 64,880                 | 69,880                 | 69,880                 | 74,940                 | 74,940                 | 79,940                 | 79,940                 | 84,940                 |
|                                  | 31                     | 59,940                 | 59,940                 | 64,940                 | 64,940                 | 69,940                 | 69,940                 | 74,970                 | 74,970                 | 79,970                 | 79,970                 | 84,980                 |
| Калиброванных                    | 32                     | 59,970                 | 59,970                 | 64,970                 | 64,970                 | 69,970                 | 69,970                 | 75,000                 | 75,000                 | 80,000                 | 80,000                 | 85,010                 |
|                                  | 33                     | 59,990                 | 60,000                 | 65,000                 | 65,000                 | 70,000                 | 70,000                 | 75,025                 | 75,025                 | 80,025                 | 80,025                 | 85,035                 |
|                                  | 34                     | 60,010                 | 60,025                 | 65,025                 | 65,025                 | 70,025                 | 70,025                 | 75,046                 | 75,046                 | 80,046                 | 80,046                 | 85,054                 |
|                                  | 35                     | 60,030                 | 60,046                 | 65,046                 | 65,046                 | 70,046                 | 70,046                 | 75,066                 | 75,066                 | 80,066                 | 80,066                 | 85,074                 |
|                                  | 36                     | 60,030                 | 60,046                 | 65,046                 | 65,046                 | 70,046                 | 70,046                 | 75,066                 | 75,066                 | 80,066                 | 80,066                 | 85,074                 |
| 37                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
| 38                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
| 39                               | 60,030                 | 60,046                 | 65,046                 | 65,046                 | 70,046                 | 70,046                 | 75,066                 | 75,066                 | 80,066                 | 80,066                 | 85,074                 | 85,082                 |
| 40                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
| 41                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |

Полосы и диаметр D, мм

Продолжение табл. 8

| Обозначение<br>профиля           | Размеры, мм            |                        |                        |                        |           |           |           |           |           |           |           |           |
|----------------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                  | 90×3,5                 |                        |                        |                        | 100×3,5   |           |           |           | 105×3,5   |           |           |           |
|                                  | НТ—НН                  | НН—НН                  | НТ—НН                  | НН—НН                  | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     |
| Состояние полет<br>допуска D и e | 2403-3674<br>2403-3677 | 2403-3675<br>2403-3678 | 2403-3681<br>2403-3684 | 2403-3682<br>2403-3685 | 2403-3687 | 2403-3688 | 2403-3691 | 2403-3692 | 2403-3694 | 2403-3695 | 2403-3697 | 2403-3698 |
|                                  | НТ—НН                  | НН—НН                  | НТ—НН                  | НН—НН                  | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     |
|                                  | НТ—НН                  | НН—НН                  | НТ—НН                  | НН—НН                  | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     | НТ—НН     | НН—НН     |
| D×e                              |                        |                        |                        |                        |           |           |           |           |           |           |           |           |
| 1                                | 83,940                 | 83,940                 | 89,000                 | 89,000                 | 93,960    | 93,960    | 98,980    | 98,980    | 104,000   | 104,000   | 114,000   | 114,000   |
| 2                                | 84,160                 | 84,160                 | 89,220                 | 89,220                 | 94,180    | 94,180    | 99,200    | 99,200    | 104,220   | 104,220   | 114,220   | 114,220   |
| 3                                | 84,380                 | 84,380                 | 89,440                 | 89,440                 | 94,400    | 94,400    | 99,420    | 99,420    | 104,440   | 104,440   | 114,440   | 114,440   |
| 4                                | 84,600                 | 84,600                 | 89,660                 | 89,660                 | 94,620    | 94,620    | 99,640    | 99,640    | 104,660   | 104,660   | 114,660   | 114,660   |
| 5                                | 84,820                 | 84,820                 | 89,880                 | 89,880                 | 94,840    | 94,840    | 99,860    | 99,860    | 104,880   | 104,880   | 114,880   | 114,880   |
| 6                                | 85,040                 | 85,040                 | 90,100                 | 90,100                 | 95,060    | 95,060    | 100,080   | 100,080   | 105,100   | 105,100   | 115,100   | 115,100   |
| 7                                | 85,260                 | 85,260                 | 90,320                 | 90,320                 | 95,280    | 95,280    | 100,300   | 100,300   | 105,320   | 105,320   | 115,320   | 115,320   |
| 8                                | 85,480                 | 85,480                 | 90,540                 | 90,540                 | 95,500    | 95,500    | 100,520   | 100,520   | 105,540   | 105,540   | 115,540   | 115,540   |
| 9                                | 85,700                 | 85,700                 | 90,760                 | 90,760                 | 95,720    | 95,720    | 100,740   | 100,740   | 105,760   | 105,760   | 115,760   | 115,760   |
| 10                               | 85,920                 | 85,920                 | 90,980                 | 90,980                 | 95,940    | 95,940    | 100,960   | 100,960   | 105,980   | 105,980   | 115,980   | 115,980   |
| 11                               | 86,140                 | 86,140                 | 91,200                 | 91,200                 | 96,160    | 96,160    | 101,180   | 101,180   | 106,200   | 106,200   | 116,200   | 116,200   |
| 12                               | 86,360                 | 86,360                 | 91,420                 | 91,420                 | 96,380    | 96,380    | 101,400   | 101,400   | 106,420   | 106,420   | 116,420   | 116,420   |
| 13                               | 86,580                 | 86,580                 | 91,640                 | 91,640                 | 96,600    | 96,600    | 101,620   | 101,620   | 106,640   | 106,640   | 116,640   | 116,640   |
| 14                               | 86,800                 | 86,800                 | 91,860                 | 91,860                 | 96,820    | 96,820    | 101,840   | 101,840   | 106,860   | 106,860   | 116,860   | 116,860   |
| 15                               | 87,020                 | 87,020                 | 92,080                 | 92,080                 | 97,040    | 97,040    | 102,060   | 102,060   | 107,080   | 107,080   | 117,080   | 117,080   |
| 16                               | 87,240                 | 87,240                 | 92,300                 | 92,300                 | 97,260    | 97,260    | 102,280   | 102,280   | 107,300   | 107,300   | 117,300   | 117,300   |
| 17                               | 87,460                 | 87,460                 | 92,520                 | 92,520                 | 97,480    | 97,480    | 102,500   | 102,500   | 107,520   | 107,520   | 117,520   | 117,520   |
| 18                               | 87,680                 | 87,680                 | 92,740                 | 92,740                 | 97,700    | 97,700    | 102,720   | 102,720   | 107,740   | 107,740   | 117,740   | 117,740   |
| 19                               | 87,900                 | 87,900                 | 92,960                 | 92,960                 | 97,920    | 97,920    | 102,940   | 102,940   | 107,960   | 107,960   | 117,960   | 117,960   |
| 20                               | 88,120                 | 88,120                 | 93,180                 | 93,180                 | 98,140    | 98,140    | 103,160   | 103,160   | 108,180   | 108,180   | 118,180   | 118,180   |
| 21                               | 88,340                 | 88,340                 | 93,400                 | 93,400                 | 98,360    | 98,360    | 103,380   | 103,380   | 108,400   | 108,400   | 118,400   | 118,400   |

Номера и размеры D, мм

Черновых и перекошенных

Размеры, мм

| Обозначение<br>профиля          | 2403-3674<br>2403-3677 | 2403-3675<br>2403-3678 | 2403-3681<br>2403-3684 | 2403-3682<br>2403-3685 | 2403-3687<br>2403-3690 | 2403-3688<br>2403-3691 | 2403-3692<br>2403-3695 | 2403-3694<br>2403-3697 | 2403-3696<br>2403-3699 | 2403-3700<br>2403-3703 |         |         |         |         |         |         |         |
|---------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------|---------|---------|---------|---------|---------|---------|
| Сечение полой<br>дуги $D$ и $e$ | НТ-9Н                  | НБ-11Н                 | НТ-9Н                  | НБ-11Н                 | НТ-9Н                  | НБ-11Н                 | НТ-9Н                  | НБ-11Н                 | НТ-9Н                  | НБ-11Н                 |         |         |         |         |         |         |         |
| $D \times m$                    | 90×3,5                 |                        | 95×3,5                 |                        | 100×3,5                |                        | 105×3,5                |                        | 110×3,5                | 120×3,5                |         |         |         |         |         |         |         |
| Черновых и перекладных          | 22                     | 88,560                 | 88,560                 | 93,620                 | 93,620                 | 98,580                 | 98,580                 | 103,600                | 103,600                | 108,620                | 108,620 | 113,640 | 113,640 | 118,660 | 118,660 | 123,680 | 123,680 |
| Чистовых                        | 23                     | 88,780                 | 88,780                 | 93,840                 | 93,840                 | 98,800                 | 98,800                 | 103,820                | 103,820                | 108,840                | 108,840 | 113,860 | 113,860 | 118,880 | 118,880 | 123,900 | 123,900 |
| Капильных                       | 24                     | 89,000                 | 89,000                 | 94,060                 | 94,060                 | 99,020                 | 99,020                 | 104,040                | 104,040                | 109,060                | 109,060 | 114,080 | 114,080 | 119,100 | 119,100 | 124,120 | 124,120 |
|                                 | 25                     | 89,220                 | 89,220                 | 94,280                 | 94,280                 | 99,240                 | 99,240                 | 104,260                | 104,260                | 109,280                | 109,280 | 114,300 | 114,300 | 119,320 | 119,320 | 124,340 | 124,340 |
|                                 | 26                     | 89,440                 | 89,440                 | 94,500                 | 94,500                 | 99,460                 | 99,460                 | 104,480                | 104,480                | 109,500                | 109,500 | 114,520 | 114,520 | 119,540 | 119,540 | 124,560 | 124,560 |
|                                 | 27                     | 89,660                 | 89,660                 | 94,720                 | 94,720                 | 99,680                 | 99,680                 | 104,700                | 104,700                | 109,720                | 109,720 | 114,740 | 114,740 | 119,760 | 119,760 | 124,780 | 124,780 |
|                                 | 28                     | 89,780                 | 89,780                 | 94,840                 | 94,840                 | 99,800                 | 99,800                 | 104,820                | 104,820                | 109,840                | 109,840 | 114,860 | 114,860 | 119,880 | 119,880 | 124,900 | 124,900 |
|                                 | 29                     | 89,880                 | 89,880                 | 94,940                 | 94,940                 | 99,890                 | 99,890                 | 104,920                | 104,920                | 109,940                | 109,940 | 114,960 | 114,960 | 119,980 | 119,980 | 125,000 | 125,000 |
|                                 | 30                     | 89,940                 | 89,940                 | 94,990                 | 94,990                 | 99,950                 | 99,950                 | 104,990                | 104,990                | 109,990                | 109,990 | 115,000 | 115,000 | 120,000 | 120,000 | 125,000 | 125,000 |
|                                 | 31                     | 89,980                 | 89,980                 | 94,990                 | 94,990                 | 99,980                 | 99,980                 | 104,980                | 104,980                | 109,980                | 109,980 | 114,980 | 114,980 | 119,980 | 119,980 | 124,980 | 124,980 |
|                                 | 32                     | 90,000                 | 90,010                 | 94,980                 | 94,980                 | 100,000                | 100,010                | 105,000                | 105,010                | 110,000                | 110,010 | 115,000 | 115,010 | 120,000 | 120,010 | 125,000 | 125,010 |
|                                 | 33                     | 90,020                 | 90,035                 | 95,000                 | 95,010                 | 100,020                | 100,035                | 105,020                | 105,035                | 110,020                | 110,035 | 115,020 | 115,035 | 120,020 | 120,035 | 125,020 | 125,035 |
|                                 | 34                     | 90,035                 | 90,054                 | 95,020                 | 95,035                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 35                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 36                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 37                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 38                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 39                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 40                     | 90,035                 | 90,054                 | 95,035                 | 95,054                 | 100,035                | 100,054                | 105,035                | 105,054                | 110,035                | 110,054 | 115,035 | 115,054 | 120,035 | 120,054 | 125,035 | 125,054 |
|                                 | 41                     | —                      | —                      | —                      | —                      | —                      | —                      | —                      | —                      | —                      | —       | —       | —       | —       | —       | —       | —       |

Номера и диаметры  $D$ , мм

Размеры, мм

| Обозначение<br>профиля                           | 2403-3701 |         | 2403-3702 |         | 2403-3704 |         | 2403-3706 |         | 2403-3707 |         | 2403-3708 |         | 2403-3711 |         | 2403-3712 |         | 2403-3714 |         | 2403-3715 |         | 2403-3718 |         |  |  |
|--------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|--|--|
|                                                  | Н7-9Н     | Н8-11Н  | Н7-9Н     | Н8-11Н  | Н7-9Н     | Н8-11Н  | Н8-11Н    | Н7-9Н   | Н7-9Н     | Н8-11Н  | Н8-11Н    | Н7-9Н   | Н7-9Н     | Н8-11Н  | Н7-9Н     | Н8-11Н  | Н7-9Н     | Н7-9Н   | Н8-11Н    | Н7-9Н   | Н8-11Н    |         |  |  |
| D×m                                              | 130×3,5   |         |           |         | 60×4      |         |           |         | 65×4      |         |           |         | 70×4      |         |           |         | 70×4      |         |           |         | 70×4      |         |  |  |
|                                                  | 1         | 2       | 3         | 4       | 5         | 6       | 7         | 8       | 9         | 10      | 11        | 12      | 13        | 14      | 15        | 16      | 17        | 18      | 19        | 20      | 21        | 22      |  |  |
| Номера и диаметры D, мм<br>черновых и пересохших | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 | 123,980   | 123,980 |  |  |
|                                                  | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 | 124,200   | 124,200 |  |  |
|                                                  | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 | 124,420   | 124,420 |  |  |
|                                                  | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 | 124,640   | 124,640 |  |  |
|                                                  | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 | 124,860   | 124,860 |  |  |
|                                                  | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 | 125,080   | 125,080 |  |  |
|                                                  | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 | 125,300   | 125,300 |  |  |
|                                                  | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 | 125,520   | 125,520 |  |  |
|                                                  | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 | 125,740   | 125,740 |  |  |
|                                                  | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 | 125,960   | 125,960 |  |  |
|                                                  | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 | 126,180   | 126,180 |  |  |
|                                                  | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 | 126,400   | 126,400 |  |  |
|                                                  | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 | 126,620   | 126,620 |  |  |
|                                                  | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 | 126,840   | 126,840 |  |  |
|                                                  | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 | 127,060   | 127,060 |  |  |
|                                                  | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 | 127,280   | 127,280 |  |  |
|                                                  | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 | 127,500   | 127,500 |  |  |
|                                                  | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 | 127,720   | 127,720 |  |  |
|                                                  | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 | 127,940   | 127,940 |  |  |
|                                                  | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 | 128,160   | 128,160 |  |  |
|                                                  | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 | 128,380   | 128,380 |  |  |
|                                                  | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 | 128,600   | 128,600 |  |  |
|                                                  | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 | 128,820   | 128,820 |  |  |
|                                                  | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 | 129,040   | 129,040 |  |  |
|                                                  | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 | 129,260   | 129,260 |  |  |
|                                                  | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 | 129,480   | 129,480 |  |  |
| 129,700                                          | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   | 129,700 | 129,700   |         |  |  |
| 129,920                                          | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   | 129,920 | 129,920   |         |  |  |
| 130,140                                          | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   | 130,140 | 130,140   |         |  |  |
| 130,360                                          | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   | 130,360 | 130,360   |         |  |  |
| 130,580                                          | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   | 130,580 | 130,580   |         |  |  |
| 130,800                                          | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   | 130,800 | 130,800   |         |  |  |
| 131,020                                          | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   | 131,020 | 131,020   |         |  |  |
| 131,240                                          | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   | 131,240 | 131,240   |         |  |  |
| 131,460                                          | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   | 131,460 | 131,460   |         |  |  |
| 131,680                                          | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   | 131,680 | 131,680   |         |  |  |
| 131,900                                          | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   | 131,900 | 131,900   |         |  |  |
| 132,120                                          | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   | 132,120 | 132,120   |         |  |  |
| 132,340                                          | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   | 132,340 | 132,340   |         |  |  |
| 132,560                                          | 132,560   | 132,560 | 132,560   | 132,560 | 132,560   | 132,560 | 132,560   | 132,560 | 132,560   | 132,560 | 132,560   | 132,560 | 132,560   | 132,560 |           |         |           |         |           |         |           |         |  |  |



Размеры, мм

| Обозначение<br>профиля                  | 2403-3701 |  | 2403-3702 |  | 2403-3703 |  | 2403-3704 |  | 2403-3705 |  | 2403-3707 |  | 2403-3710 |  | 2403-3711 |  | 2403-3712 |  | 2403-3714 |  | 2403-3715 |  | 2403-3717 |  | 2403-3718 |  |
|-----------------------------------------|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|
|                                         | Н7-9Н     |  | Н8-11Н    |  | Н7-9Н     |  | Н7-9Н     |  | Н8-11Н    |  | Н7-9Н     |  | Н7-9Н     |  | Н8-11Н    |  | Н8-11Н    |  | Н7-9Н     |  | Н8-11Н    |  | Н7-9Н     |  | Н8-11Н    |  |
| D × m                                   | 130 × 3,5 |  | 130 × 3,5 |  | 60 × 4    |  | 60 × 4    |  | 60 × 4    |  | 60 × 4    |  | 65 × 1    |  | 65 × 1    |  | 65 × 1    |  | 65 × 1    |  | 70 × 4    |  | 70 × 4    |  | 70 × 4    |  |
|                                         | 27        |  | 28        |  | 29        |  | 30        |  | 31        |  | 32        |  | 33        |  | 34        |  | 35        |  | 36        |  | 37        |  | 38        |  | 39        |  |
| Числовые<br>переходы                    | 129,600   |  | 129,720   |  | 129,820   |  | 129,900   |  | 129,950   |  | 129,980   |  | 130,000   |  | 130,020   |  | 130,040   |  | 130,063   |  | 130,080   |  | 130,100   |  | 130,125   |  |
|                                         | 129,600   |  | 129,720   |  | 129,820   |  | 129,900   |  | 129,950   |  | 129,980   |  | 130,000   |  | 130,020   |  | 130,040   |  | 130,063   |  | 130,080   |  | 130,100   |  | 130,125   |  |
| Калибровочных                           | 58,220    |  | 58,420    |  | 58,620    |  | 58,820    |  | 59,020    |  | 59,220    |  | 59,420    |  | 59,620    |  | 59,820    |  | 59,990    |  | 60,010    |  | 60,030    |  | 60,046    |  |
|                                         | 58,220    |  | 58,420    |  | 58,620    |  | 58,820    |  | 59,020    |  | 59,220    |  | 59,420    |  | 59,620    |  | 59,820    |  | 59,990    |  | 60,010    |  | 60,030    |  | 60,046    |  |
| Номера и диаметры D <sub>н</sub> вывеса | 59,250    |  | 59,490    |  | 59,610    |  | 59,730    |  | 59,820    |  | 59,890    |  | 59,940    |  | 59,970    |  | 60,000    |  | 60,025    |  | 60,046    |  | 60,063    |  | 60,080    |  |
|                                         | 59,250    |  | 59,490    |  | 59,610    |  | 59,730    |  | 59,820    |  | 59,890    |  | 59,940    |  | 59,970    |  | 60,000    |  | 60,025    |  | 60,046    |  | 60,063    |  | 60,080    |  |
| 65 × 1                                  | 63,320    |  | 63,520    |  | 63,720    |  | 63,920    |  | 64,120    |  | 64,320    |  | 64,520    |  | 64,720    |  | 64,920    |  | 65,025    |  | 65,046    |  | 65,063    |  | 65,080    |  |
|                                         | 63,320    |  | 63,520    |  | 63,720    |  | 63,920    |  | 64,120    |  | 64,320    |  | 64,520    |  | 64,720    |  | 64,920    |  | 65,025    |  | 65,046    |  | 65,063    |  | 65,080    |  |
| 70 × 4                                  | 64,360    |  | 64,480    |  | 64,600    |  | 64,720    |  | 64,820    |  | 64,890    |  | 64,940    |  | 64,970    |  | 65,000    |  | 65,025    |  | 65,046    |  | 65,063    |  | 65,080    |  |
|                                         | 64,360    |  | 64,480    |  | 64,600    |  | 64,720    |  | 64,820    |  | 64,890    |  | 64,940    |  | 64,970    |  | 65,000    |  | 65,025    |  | 65,046    |  | 65,063    |  | 65,080    |  |
| 70,030                                  | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
|                                         | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
| 70,046                                  | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
|                                         | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
| 70,046                                  | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
|                                         | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
| 70,046                                  | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |
|                                         | 68,180    |  | 68,380    |  | 68,580    |  | 68,780    |  | 68,980    |  | 69,180    |  | 69,380    |  | 69,580    |  | 69,780    |  | 69,980    |  | 70,180    |  | 70,380    |  | 70,580    |  |



Размеры, мм

| Обозначение<br>прокатки | 2403-3721 | 2403-3722 | 2403-3724 | 2403-3725 | 2403-3727 | 2403-3728 | 2403-3731 | 2403-3732 | 2403-3734 | 2403-3735 | 2403-3737 | 2403-3738 |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                         | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    |
| Д × м                   | 70 × 4    |           |           |           | 75 × 4    |           |           |           | 80 × 4    |           |           |           |
|                         |           |           |           |           |           |           |           |           |           |           |           |           |
| 1                       | 62,980    | 62,980    | 68,040    | 68,040    | 68,040    | 68,040    | 73,080    | 73,080    | 73,080    | 73,080    | 78,020    | 78,020    |
| 2                       | 63,220    | 63,220    | 68,240    | 68,240    | 68,280    | 68,280    | 73,280    | 73,280    | 73,320    | 73,320    | 78,220    | 78,220    |
| 3                       | 63,460    | 63,460    | 68,440    | 68,440    | 68,520    | 68,520    | 73,480    | 73,480    | 73,560    | 73,560    | 78,420    | 78,420    |
| 4                       | 63,700    | 63,700    | 68,640    | 68,640    | 68,760    | 68,760    | 73,680    | 73,680    | 73,800    | 73,800    | 78,620    | 78,620    |
| 5                       | 63,940    | 63,940    | 68,840    | 68,840    | 69,000    | 69,000    | 73,880    | 73,880    | 74,040    | 74,040    | 78,820    | 78,820    |
| 6                       | 64,180    | 64,180    | 69,040    | 69,040    | 69,240    | 69,240    | 74,080    | 74,080    | 74,280    | 74,280    | 79,020    | 79,020    |
| 7                       | 64,420    | 64,420    | 69,240    | 69,240    | 69,480    | 69,480    | 74,280    | 74,280    | 74,520    | 74,520    | 79,220    | 79,220    |
| 8                       | 64,660    | 64,660    | 69,440    | 69,440    | 69,720    | 69,720    | 74,480    | 74,480    | 74,760    | 74,760    | 79,420    | 79,420    |
| 9                       | 64,900    | 64,900    | 69,640    | 69,640    | 69,960    | 69,960    | 74,680    | 74,680    | 75,000    | 75,000    | 79,620    | 79,620    |
| 10                      | 65,140    | 65,140    | 69,840    | 69,840    | 70,200    | 70,200    | 74,880    | 74,880    | 75,240    | 75,240    | 79,820    | 79,820    |
| 11                      | 65,380    | 65,380    | 70,040    | 70,040    | 70,440    | 70,440    | 75,080    | 75,080    | 75,480    | 75,480    | 80,020    | 80,020    |
| 12                      | 65,620    | 65,620    | 70,240    | 70,240    | 70,680    | 70,680    | 75,280    | 75,280    | 75,720    | 75,720    | 80,220    | 80,220    |
| 13                      | 65,860    | 65,860    | 70,440    | 70,440    | 70,920    | 70,920    | 75,480    | 75,480    | 75,960    | 75,960    | 80,420    | 80,420    |
| 14                      | 66,100    | 66,100    | 70,640    | 70,640    | 71,160    | 71,160    | 75,680    | 75,680    | 76,200    | 76,200    | 80,620    | 80,620    |
| 15                      | 66,340    | 66,340    | 70,840    | 70,840    | 71,400    | 71,400    | 75,880    | 75,880    | 76,440    | 76,440    | 80,820    | 80,820    |
| 16                      | 66,580    | 66,580    | 71,040    | 71,040    | 71,640    | 71,640    | 76,080    | 76,080    | 76,680    | 76,680    | 81,020    | 81,020    |
| 17                      | 66,820    | 66,820    | 71,240    | 71,240    | 71,880    | 71,880    | 76,280    | 76,280    | 76,920    | 76,920    | 81,220    | 81,220    |
| 18                      | 67,060    | 67,060    | 71,440    | 71,440    | 72,120    | 72,120    | 76,480    | 76,480    | 77,160    | 77,160    | 81,420    | 81,420    |
| 19                      | 67,300    | 67,300    | 71,640    | 71,640    | 72,360    | 72,360    | 76,680    | 76,680    | 77,400    | 77,400    | 81,620    | 81,620    |
| 20                      | 67,540    | 67,540    | 71,840    | 71,840    | 72,600    | 72,600    | 76,880    | 76,880    | 77,640    | 77,640    | 81,820    | 81,820    |
| 21                      | 67,780    | 67,780    | 72,040    | 72,040    | 72,840    | 72,840    | 77,080    | 77,080    | 77,880    | 77,880    | 82,020    | 82,020    |
| 22                      | 68,020    | 68,020    | 72,240    | 72,240    | 73,080    | 73,080    | 77,280    | 77,280    | 78,120    | 78,120    | 82,220    | 82,220    |
| 23                      | 68,260    | 68,260    | 72,440    | 72,440    | 73,320    | 73,320    | 77,480    | 77,480    | 78,360    | 78,360    | 82,420    | 82,420    |
| 24                      | 68,500    | 68,500    | 72,640    | 72,640    | 73,560    | 73,560    | 77,680    | 77,680    | 78,600    | 78,600    | 82,620    | 82,620    |
| 25                      | 68,740    | 68,740    | 72,840    | 72,840    | 73,800    | 73,800    | 77,880    | 77,880    | 78,840    | 78,840    | 82,820    | 82,820    |
| 26                      | 68,980    | 68,980    | 73,040    | 73,040    | 74,040    | 74,040    | 78,080    | 78,080    | 79,080    | 79,080    | 83,020    | 83,020    |

Номера и диаметры  $D_1$  и  $D_2$  в мм

Черновых и перекожных

Продолжение табл. 8

Размеры, мм

| Обозначение<br>проточки         | 2403-3721 | 2403-3722 | 2403-3724 | 2403-3725 | 2403-3727 | 2403-3728 | 2403-3731 | 2403-3732 | 2403-3734 | 2403-3735 | 2403-3737 | 2403-3738 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                 | Н7-9H     | Н8-11H    | Н7-9H     | Н8-11H    | Н7-9H     | Н8-11H    | Н7-9H     | Н8-11H    | Н7-9H     | Н8-11H    | Н7-9H     | Н8-11H    |
| Соединение по<br>допускам D и e | 70×4      |           |           |           | 75×4      |           |           |           | 80×4      |           |           |           |
|                                 | D×e       |           |           |           | D×e       |           |           |           | D×e       |           |           |           |
| Черновые и<br>переходные        | 27        | 69,220    | 69,220    | 73,240    | 73,240    | 74,280    | 74,280    | 78,280    | 78,280    | 79,320    | 83,220    | 83,220    |
|                                 | 28        | 69,460    | 69,460    | 73,440    | 73,440    | 74,520    | 74,520    | 78,480    | 78,480    | 79,560    | 83,420    | 83,420    |
|                                 | 29        | 69,580    | 69,580    | 73,640    | 73,640    | 74,640    | 74,640    | 78,680    | 78,680    | 79,680    | 83,620    | 83,620    |
|                                 | 30        | 69,700    | 69,700    | 73,840    | 73,840    | 74,760    | 74,760    | 78,880    | 78,880    | 79,800    | 83,820    | 83,820    |
|                                 | 31        | 69,820    | 69,820    | 74,040    | 74,040    | 74,880    | 74,880    | 79,080    | 79,080    | 79,880    | 84,020    | 84,020    |
|                                 | 32        | 69,890    | 69,890    | 74,240    | 74,240    | 74,940    | 74,940    | 79,280    | 79,280    | 79,940    | 84,220    | 84,220    |
|                                 | 33        | 69,940    | 69,940    | 74,440    | 74,440    | 74,970    | 74,970    | 79,480    | 79,480    | 79,970    | 84,420    | 84,420    |
| Чистовых                        | 34        | 69,970    | 69,970    | 74,540    | 74,540    | 74,990    | 75,000    | 79,580    | 79,580    | 80,000    | 84,520    | 84,520    |
|                                 | 35        | 69,990    | 70,000    | 74,640    | 74,640    | 75,010    | 75,025    | 79,680    | 79,680    | 80,010    | 84,620    | 84,620    |
|                                 | 36        | 70,010    | 70,025    | 74,740    | 74,740    | 75,030    | 75,046    | 79,780    | 79,780    | 80,046    | 84,720    | 84,720    |
|                                 | 37        | 70,030    | 70,046    | 74,820    | 74,820    | 75,030    | 75,046    | 79,880    | 79,880    | 80,046    | 84,820    | 84,820    |
| Калибрующих                     | 38        |           |           | 74,890    | 74,890    | 75,030    | 75,046    | 79,940    | 79,940    | 80,046    | 84,900    | 84,900    |
|                                 | 39        |           |           | 74,940    | 74,940    | 75,030    | 75,046    | 79,970    | 79,970    | 80,046    | 84,950    | 84,950    |
|                                 | 40        | 70,030    | 70,046    | 74,970    | 74,970    | 75,030    | 75,046    | 79,990    | 80,000    | 80,046    | 84,980    | 84,980    |
|                                 | 41        |           |           | 74,990    | 75,000    | 75,030    | 75,046    | 80,010    | 80,025    | 80,046    | 85,000    | 85,010    |
|                                 | 42        |           |           | 75,010    | 75,025    | 75,030    | 75,046    | 80,030    | 80,046    | 80,046    | 85,020    | 85,035    |
|                                 | 43        |           |           | 75,030    | 75,046    | 75,030    | 75,046    | 80,030    | 80,046    | 80,046    | 85,035    | 85,054    |
|                                 | 44        |           |           | 75,030    | 75,046    | 75,030    | 75,046    | 80,030    | 80,046    | 80,046    | 85,035    | 85,054    |
| 45                              |           |           |           |           |           |           |           |           |           |           |           |           |
| 46                              |           |           |           |           |           |           |           |           |           |           |           |           |
| 47                              |           |           |           |           |           |           |           |           |           |           |           |           |
| 48                              |           |           |           |           |           |           |           |           |           |           |           |           |
| 49                              |           |           |           |           |           |           |           |           |           |           |           |           |

Помера и Анаметры D, зыбав



Размеры, мм

| Обозначение<br>проточки | 2403-3741 |        | 2403-3742 |        | 2403-3744 |        | 2403-3745 |        | 2403-3747 |        | 2403-3748 |        | 2403-3751 |        | 2403-3752 |        | 2403-3754 |        | 2403-3755 |        | 2403-3757 |         | 2403-3758 |         |
|-------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|---------|-----------|---------|
|                         | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |        | Н8-11Н    |        | Н7-9Н     |         | Н8-11Н    |         |
|                         | 85×4      |        | 90×4      |        | 90×4      |        | 95×4      |        | 95×4      |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |         | 100×4     |         |
| D × m                   | 85×4      |        | 90×4      |        | 90×4      |        | 95×4      |        | 95×4      |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |         | 100×4     |         |
|                         | 85×4      |        | 90×4      |        | 90×4      |        | 95×4      |        | 95×4      |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |        | 100×4     |         | 100×4     |         |
| 27                      | 84,260    | 84,260 | 88,270    | 88,270 | 88,270    | 88,270 | 89,310    | 89,310 | 89,310    | 89,310 | 93,300    | 93,300 | 93,300    | 93,300 | 93,300    | 93,300 | 94,340    | 94,340 | 94,340    | 94,340 | 98,250    | 98,250  | 98,250    | 98,250  |
| 28                      | 84,500    | 84,500 | 88,470    | 88,470 | 88,470    | 88,470 | 89,550    | 89,550 | 89,550    | 89,550 | 93,500    | 93,500 | 93,500    | 93,500 | 93,500    | 93,500 | 94,580    | 94,580 | 94,580    | 94,580 | 98,450    | 98,450  | 98,450    | 98,450  |
| 29                      | 84,620    | 84,620 | 88,670    | 88,670 | 88,670    | 88,670 | 89,670    | 89,670 | 89,670    | 89,670 | 93,700    | 93,700 | 93,700    | 93,700 | 93,700    | 93,700 | 94,700    | 94,700 | 94,700    | 94,700 | 98,650    | 98,650  | 98,650    | 98,650  |
| 30                      | 84,740    | 84,740 | 88,870    | 88,870 | 88,870    | 88,870 | 89,790    | 89,790 | 89,790    | 89,790 | 93,900    | 93,900 | 93,900    | 93,900 | 93,900    | 93,900 | 94,820    | 94,820 | 94,820    | 94,820 | 98,850    | 98,850  | 98,850    | 98,850  |
| 31                      | 84,830    | 84,830 | 89,070    | 89,070 | 89,070    | 89,070 | 89,890    | 89,890 | 89,890    | 89,890 | 94,100    | 94,100 | 94,100    | 94,100 | 94,100    | 94,100 | 94,900    | 94,900 | 94,900    | 94,900 | 99,050    | 99,050  | 99,050    | 99,050  |
| 32                      | 84,900    | 84,900 | 89,270    | 89,270 | 89,270    | 89,270 | 89,950    | 89,950 | 89,950    | 89,950 | 94,300    | 94,300 | 94,300    | 94,300 | 94,300    | 94,300 | 94,950    | 94,950 | 94,950    | 94,950 | 99,250    | 99,250  | 99,250    | 99,250  |
| 33                      | 84,950    | 84,950 | 89,470    | 89,470 | 89,470    | 89,470 | 89,980    | 89,980 | 89,980    | 89,980 | 94,500    | 94,500 | 94,500    | 94,500 | 94,500    | 94,500 | 94,980    | 94,980 | 94,980    | 94,980 | 99,450    | 99,450  | 99,450    | 99,450  |
| 34                      | 84,980    | 84,980 | 89,570    | 89,570 | 89,570    | 89,570 | 90,000    | 90,000 | 90,000    | 90,000 | 94,600    | 94,600 | 94,600    | 94,600 | 94,600    | 94,600 | 95,000    | 95,000 | 95,000    | 95,000 | 99,550    | 99,550  | 99,550    | 99,550  |
| 35                      | 85,000    | 85,010 | 89,670    | 89,670 | 89,670    | 89,670 | 90,020    | 90,020 | 90,020    | 90,020 | 94,700    | 94,700 | 94,700    | 94,700 | 94,700    | 94,700 | 95,020    | 95,020 | 95,020    | 95,020 | 99,650    | 99,650  | 99,650    | 99,650  |
| 36                      | 85,020    | 85,035 | 89,770    | 89,770 | 89,770    | 89,770 | 90,035    | 90,035 | 90,035    | 90,035 | 94,800    | 94,800 | 94,800    | 94,800 | 94,800    | 94,800 | 95,035    | 95,035 | 95,035    | 95,035 | 99,750    | 99,750  | 99,750    | 99,750  |
| 37                      | 85,035    | 85,054 | 89,850    | 89,850 | 89,850    | 89,850 | 90,054    | 90,054 | 90,054    | 90,054 | 94,900    | 94,900 | 94,900    | 94,900 | 94,900    | 94,900 | 95,054    | 95,054 | 95,054    | 95,054 | 99,830    | 99,830  | 99,830    | 99,830  |
| 38                      |           |        | 89,910    | 89,910 | 89,910    | 89,910 | 90,054    | 90,054 | 90,054    | 90,054 | 94,950    | 94,950 | 94,950    | 94,950 | 94,950    | 94,950 | 95,054    | 95,054 | 95,054    | 95,054 | 99,900    | 99,900  | 99,900    | 99,900  |
| 39                      |           |        | 89,950    | 89,950 | 89,950    | 89,950 | 90,054    | 90,054 | 90,054    | 90,054 | 94,980    | 94,980 | 94,980    | 94,980 | 94,980    | 94,980 | 95,054    | 95,054 | 95,054    | 95,054 | 99,950    | 99,950  | 99,950    | 99,950  |
| 40                      | 85,035    | 85,054 | 89,980    | 89,980 | 89,980    | 89,980 | 90,054    | 90,054 | 90,054    | 90,054 | 95,000    | 95,000 | 95,000    | 95,000 | 95,000    | 95,000 | 95,054    | 95,054 | 95,054    | 95,054 | 99,980    | 99,980  | 99,980    | 99,980  |
| 41                      |           |        | 90,000    | 90,000 | 90,000    | 90,000 | 90,054    | 90,054 | 90,054    | 90,054 | 95,020    | 95,020 | 95,020    | 95,020 | 95,020    | 95,020 | 95,054    | 95,054 | 95,054    | 95,054 | 100,000   | 100,000 | 100,000   | 100,000 |
| 42                      |           |        | 90,020    | 90,020 | 90,020    | 90,020 | 90,054    | 90,054 | 90,054    | 90,054 | 95,035    | 95,035 | 95,035    | 95,035 | 95,035    | 95,035 | 95,054    | 95,054 | 95,054    | 95,054 | 100,020   | 100,020 | 100,020   | 100,020 |
| 43                      |           |        | 90,035    | 90,035 | 90,035    | 90,035 | 90,054    | 90,054 | 90,054    | 90,054 | 95,035    | 95,035 | 95,035    | 95,035 | 95,035    | 95,035 | 95,054    | 95,054 | 95,054    | 95,054 | 100,035   | 100,035 | 100,035   | 100,035 |
| 44                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |
| 45                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |
| 46                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |
| 47                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |
| 48                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |
| 49                      |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |        |           |         |           |         |

Номера и диаметры  $D_1$  зубьев

Продолжение табл. 8

Размеры, мм

| Обозначение<br>профиля | 100×4              |                     | 105×4              |                     | 110×4              |                     | 120×4              |                     |
|------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
|                        | 3403-3761<br>ИТ-9Н | 2403-3762<br>ИВ-11Н | 2403-3764<br>ИТ-9Н | 2403-3765<br>ИВ-11Н | 2403-3767<br>ИТ-9Н | 2403-3768<br>ИВ-11Н | 2403-3771<br>ИТ-9Н | 2403-3772<br>ИВ-11Н |
| 1                      | 93,050             | 93,050              | 98,080             | 98,080              | 98,080             | 98,080              | 103,100            | 103,100             |
| 2                      | 93,290             | 93,290              | 98,280             | 98,280              | 98,320             | 98,320              | 103,340            | 103,340             |
| 3                      | 93,530             | 93,530              | 98,480             | 98,480              | 98,560             | 98,560              | 103,580            | 103,580             |
| 4                      | 93,770             | 93,770              | 98,680             | 98,680              | 98,800             | 98,800              | 103,820            | 103,820             |
| 5                      | 94,010             | 94,010              | 98,880             | 98,880              | 99,040             | 99,040              | 104,060            | 104,060             |
| 6                      | 94,250             | 94,250              | 99,080             | 99,080              | 99,280             | 99,280              | 104,300            | 104,300             |
| 7                      | 94,490             | 94,490              | 99,280             | 99,280              | 99,520             | 99,520              | 104,540            | 104,540             |
| 8                      | 94,730             | 94,730              | 99,480             | 99,480              | 99,760             | 99,760              | 104,780            | 104,780             |
| 9                      | 94,970             | 94,970              | 99,680             | 99,680              | 100,000            | 100,000             | 105,020            | 105,020             |
| 10                     | 95,210             | 95,210              | 99,880             | 99,880              | 100,240            | 100,240             | 105,260            | 105,260             |
| 11                     | 95,450             | 95,450              | 100,080            | 100,080             | 100,480            | 100,480             | 105,500            | 105,500             |
| 12                     | 95,690             | 95,690              | 100,280            | 100,280             | 100,720            | 100,720             | 105,740            | 105,740             |
| 13                     | 95,930             | 95,930              | 100,480            | 100,480             | 100,960            | 100,960             | 105,980            | 105,980             |
| 14                     | 96,170             | 96,170              | 100,680            | 100,680             | 101,200            | 101,200             | 106,220            | 106,220             |
| 15                     | 96,410             | 96,410              | 100,880            | 100,880             | 101,440            | 101,440             | 106,460            | 106,460             |
| 16                     | 96,650             | 96,650              | 101,080            | 101,080             | 101,680            | 101,680             | 106,700            | 106,700             |
| 17                     | 96,890             | 96,890              | 101,280            | 101,280             | 101,920            | 101,920             | 106,940            | 106,940             |
| 18                     | 97,130             | 97,130              | 101,480            | 101,480             | 102,160            | 102,160             | 107,180            | 107,180             |
| 19                     | 97,370             | 97,370              | 101,680            | 101,680             | 102,400            | 102,400             | 107,420            | 107,420             |
| 20                     | 97,610             | 97,610              | 101,880            | 101,880             | 102,640            | 102,640             | 107,660            | 107,660             |
| 21                     | 97,850             | 97,850              | 102,080            | 102,080             | 102,880            | 102,880             | 107,900            | 107,900             |
| 22                     | 98,090             | 98,090              | 102,280            | 102,280             | 103,120            | 103,120             | 108,140            | 108,140             |
| 23                     | 98,330             | 98,330              | 102,480            | 102,480             | 103,360            | 103,360             | 108,380            | 108,380             |
| 24                     | 98,570             | 98,570              | 102,680            | 102,680             | 103,600            | 103,600             | 108,620            | 108,620             |
| 25                     | 98,810             | 98,810              | 102,880            | 102,880             | 103,840            | 103,840             | 108,860            | 108,860             |
| 26                     | 99,050             | 99,050              | 103,080            | 103,080             | 104,080            | 104,080             | 109,100            | 109,100             |

Номера и диаметры D, мм

Черновых и переходных



Продолжение табл. 8

Размеры, мм

| Обозначение<br>Соединения | 100×4              |                     | 105×4              |                     | 110×4              |                     | 120×4              |                     |
|---------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
|                           | 2403-3761<br>ИТ-9Н | 2403-3762<br>ИЗ-11Н | 2403-3764<br>ИТ-9Н | 2403-3765<br>ИЗ-11Н | 2403-3767<br>ИТ-9Н | 2403-3768<br>ИЗ-11Н | 2403-3771<br>ИТ-9Н | 2403-3772<br>ИЗ-11Н |
| D × m                     | 100×4              |                     | 105×4              |                     | 110×4              |                     | 120×4              |                     |
|                           | 100,000            |                     | 105,000            |                     | 110,000            |                     | 120,000            |                     |
| 27                        | 99,290             | 99,290              | 103,280            | 103,280             | 104,320            | 104,320             | 108,300            | 108,300             |
| 28                        | 99,530             | 99,530              | 103,480            | 103,480             | 104,560            | 104,560             | 108,500            | 108,500             |
| 29                        | 99,650             | 99,650              | 103,680            | 103,680             | 104,680            | 104,680             | 108,700            | 108,700             |
| 30                        | 99,770             | 99,770              | 103,880            | 103,880             | 104,800            | 104,800             | 108,900            | 108,900             |
| 31                        | 99,890             | 99,890              | 104,080            | 104,080             | 104,890            | 104,890             | 109,100            | 109,100             |
| 32                        | 99,950             | 99,950              | 104,280            | 104,280             | 104,950            | 104,950             | 109,300            | 109,300             |
| 33                        | 99,980             | 99,980              | 104,480            | 104,480             | 104,980            | 104,980             | 109,500            | 109,500             |
| 34                        | 100,000            | 100,010             | 104,580            | 104,580             | 105,000            | 105,010             | 109,600            | 109,600             |
| 35                        | 100,020            | 100,035             | 104,680            | 104,680             | 105,020            | 105,035             | 109,700            | 109,700             |
| 36                        | 100,035            | 100,054             | 104,780            | 104,780             | 105,035            | 105,054             | 109,800            | 109,800             |
| 37                        | 100,054            |                     | 104,880            | 104,880             | 105,054            |                     | 109,900            | 109,900             |
| 38                        | 100,054            |                     | 104,950            | 104,950             | 105,054            |                     | 109,950            | 109,950             |
| 39                        | 100,054            |                     | 104,980            | 104,980             | 105,054            |                     | 110,000            | 110,000             |
| 40                        | 100,054            |                     | 105,000            | 105,000             | 105,054            |                     | 110,020            | 110,020             |
| 41                        | 100,054            |                     | 105,020            | 105,020             | 105,054            |                     | 110,035            | 110,035             |
| 42                        | 100,054            |                     | 105,035            | 105,035             | 105,054            |                     | 110,035            | 110,035             |
| 43                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 44                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 45                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 46                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 47                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 48                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |
| 49                        | 100,054            |                     | 105,054            | 105,054             | 105,054            |                     | 110,035            | 110,035             |

Номера и диаметры D, мм



Размеры, мм

| Обозначение<br>проточки                 | 120×4      |            | 130×4      |            |            |            | 70×5       |            | 75×5       |            | 80×6       |            |
|-----------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                         | 2 403-3784 | 2 403-3782 | 2 403-3784 | 2 403-3785 | 2 403-3787 | 2 403-3788 | 2 403-3791 | 2 403-3792 | 2 403-3794 | 2 403-3795 | 2 403-3797 | 2 403-3798 |
| Счетные<br>полюс до-<br>пусков<br>D и e | Н7-9H      | Н8-11H     | Н7-9H      | Н8-11H     | Н7-9H      | Н8-11H     | Н7-9H      | Н8-11H     | Н7-9H      | Н8-11H     | Н7-9H      | Н8-11H     |
| D × m                                   | 120×4      |            | 130×4      |            |            |            | 70×5       |            | 75×5       |            | 80×6       |            |
| 1                                       | 113,060    | 113,060    | 123,140    | 123,140    | 123,140    | 123,140    | 61,110     | 61,110     | 66,200     | 66,200     | 71,270     | 71,270     |
| 2                                       | 113,300    | 113,300    | 123,340    | 123,340    | 123,380    | 123,380    | 61,350     | 61,350     | 66,440     | 66,440     | 71,510     | 71,510     |
| 3                                       | 113,540    | 113,540    | 123,540    | 123,540    | 123,620    | 123,620    | 61,590     | 61,590     | 66,680     | 66,680     | 71,750     | 71,750     |
| 4                                       | 113,780    | 113,780    | 123,740    | 123,740    | 123,860    | 123,860    | 61,830     | 61,830     | 66,920     | 66,920     | 71,990     | 71,990     |
| 5                                       | 114,020    | 114,020    | 123,940    | 123,940    | 124,100    | 124,100    | 62,070     | 62,070     | 67,160     | 67,160     | 72,230     | 72,230     |
| 6                                       | 114,260    | 114,260    | 124,140    | 124,140    | 124,340    | 124,340    | 62,310     | 62,310     | 67,400     | 67,400     | 72,470     | 72,470     |
| 7                                       | 114,500    | 114,500    | 124,340    | 124,340    | 124,580    | 124,580    | 62,550     | 62,550     | 67,640     | 67,640     | 72,710     | 72,710     |
| 8                                       | 114,740    | 114,740    | 124,540    | 124,540    | 124,820    | 124,820    | 62,790     | 62,790     | 67,880     | 67,880     | 72,950     | 72,950     |
| 9                                       | 114,980    | 114,980    | 124,740    | 124,740    | 125,060    | 125,060    | 63,030     | 63,030     | 68,120     | 68,120     | 73,190     | 73,190     |
| 10                                      | 115,220    | 115,220    | 124,940    | 124,940    | 125,300    | 125,300    | 63,270     | 63,270     | 68,360     | 68,360     | 73,430     | 73,430     |
| 11                                      | 115,460    | 115,460    | 125,140    | 125,140    | 125,540    | 125,540    | 63,510     | 63,510     | 68,600     | 68,600     | 73,670     | 73,670     |
| 12                                      | 115,700    | 115,700    | 125,340    | 125,340    | 125,780    | 125,780    | 63,750     | 63,750     | 68,840     | 68,840     | 73,910     | 73,910     |
| 13                                      | 115,940    | 115,940    | 125,540    | 125,540    | 126,020    | 126,020    | 63,990     | 63,990     | 69,080     | 69,080     | 74,150     | 74,150     |
| 14                                      | 116,180    | 116,180    | 125,740    | 125,740    | 126,260    | 126,260    | 64,230     | 64,230     | 69,320     | 69,320     | 74,390     | 74,390     |
| 15                                      | 116,420    | 116,420    | 125,940    | 125,940    | 126,500    | 126,500    | 64,470     | 64,470     | 69,560     | 69,560     | 74,630     | 74,630     |
| 16                                      | 116,660    | 116,660    | 126,140    | 126,140    | 126,740    | 126,740    | 64,710     | 64,710     | 69,800     | 69,800     | 74,870     | 74,870     |
| 17                                      | 116,900    | 116,900    | 126,340    | 126,340    | 126,980    | 126,980    | 64,950     | 64,950     | 70,040     | 70,040     | 75,110     | 75,110     |
| 18                                      | 117,140    | 117,140    | 126,540    | 126,540    | 127,220    | 127,220    | 65,190     | 65,190     | 70,280     | 70,280     | 75,350     | 75,350     |
| 19                                      | 117,380    | 117,380    | 126,740    | 126,740    | 127,460    | 127,460    | 65,430     | 65,430     | 70,520     | 70,520     | 75,590     | 75,590     |
| 20                                      | 117,620    | 117,620    | 126,940    | 126,940    | 127,700    | 127,700    | 65,670     | 65,670     | 70,760     | 70,760     | 75,830     | 75,830     |
| 21                                      | 117,860    | 117,860    | 127,140    | 127,140    | 127,940    | 127,940    | 65,910     | 65,910     | 71,000     | 71,000     | 76,070     | 76,070     |
| 22                                      | 118,100    | 118,100    | 127,340    | 127,340    | 128,180    | 128,180    | 66,150     | 66,150     | 71,240     | 71,240     | 76,310     | 76,310     |
| 23                                      | 118,340    | 118,340    | 127,540    | 127,540    | 128,420    | 128,420    | 66,390     | 66,390     | 71,480     | 71,480     | 76,550     | 76,550     |
| 24                                      | 118,580    | 118,580    | 127,740    | 127,740    | 128,660    | 128,660    | 66,630     | 66,630     | 71,720     | 71,720     | 76,790     | 76,790     |
| 25                                      | 118,820    | 118,820    | 127,940    | 127,940    | 128,900    | 128,900    | 66,870     | 66,870     | 71,960     | 71,960     | 77,030     | 77,030     |
| 26                                      | 119,060    | 119,060    | 128,140    | 128,140    | 129,140    | 129,140    | 67,110     | 67,110     | 72,200     | 72,200     | 77,270     | 77,270     |

Номера и диаметры D, зубьев  
чертовых и переходных

Продолжение табл. 8

Размеры, мм

| Обозначение<br>проточки           | 2403-3781 |         | 2403-3782 |         | 2403-3784 |         | 2403-3785 |         | 2403-3787 |         | 2403-3788 |         | 2403-3791 |        | 2403-3792 |        | 2403-3794 |        | 2403-3795 |        | 2403-3797 |        | 2403-3798 |        |
|-----------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                   | 120×4     |         | 120×4     |         | 120×4     |         | 120×4     |         | 120×4     |         | 120×4     |         | 70×5      |        | 70×5      |        | 73×5      |        | 73×5      |        | 80×5      |        | 80×5      |        |
| Состояние<br>поверхности<br>D и E | НТ-9Н     |         | НБ-11Н    |         | НТ-9Н     |         | НБ-11Н    |         | НТ-9Н     |         | НБ-11Н    |         | НТ-9Н     |        | НБ-11Н    |        | НТ-9Н     |        | НБ-11Н    |        | НТ-9Н     |        | НБ-11Н    |        |
|                                   | D         |         | E         |         | D         |         | E         |         | D         |         | E         |         | D         |        | E         |        | D         |        | E         |        | D         |        | E         |        |
| Черновые<br>и<br>чистовые         | 27        | 119,300 | 119,300   | 119,300 | 128,340   | 128,340 | 128,340   | 128,340 | 129,380   | 129,380 | 129,380   | 129,380 | 67,350    | 67,350 | 67,350    | 67,350 | 72,440    | 72,440 | 72,440    | 72,440 | 77,510    | 77,510 | 77,510    | 77,510 |
|                                   | 28        | 119,540 | 119,540   | 119,540 | 128,540   | 128,540 | 128,540   | 128,540 | 129,620   | 129,620 | 129,620   | 129,620 | 67,590    | 67,590 | 67,590    | 67,590 | 72,680    | 72,680 | 72,680    | 72,680 | 77,750    | 77,750 | 77,750    | 77,750 |
|                                   | 29        | 119,660 | 119,660   | 119,660 | 128,740   | 128,740 | 128,740   | 128,740 | 129,740   | 129,740 | 129,740   | 129,740 | 67,830    | 67,830 | 67,830    | 67,830 | 72,920    | 72,920 | 72,920    | 72,920 | 77,990    | 77,990 | 77,990    | 77,990 |
|                                   | 30        | 119,780 | 119,780   | 119,780 | 128,940   | 128,940 | 128,940   | 128,940 | 129,840   | 129,840 | 129,840   | 129,840 | 68,070    | 68,070 | 68,070    | 68,070 | 73,160    | 73,160 | 73,160    | 73,160 | 78,230    | 78,230 | 78,230    | 78,230 |
|                                   | 31        | 119,890 | 119,890   | 119,890 | 129,140   | 129,140 | 129,140   | 129,140 | 129,920   | 129,920 | 129,920   | 129,920 | 68,310    | 68,310 | 68,310    | 68,310 | 73,400    | 73,400 | 73,400    | 73,400 | 78,470    | 78,470 | 78,470    | 78,470 |
|                                   | 32        | 119,950 | 119,950   | 119,950 | 129,340   | 129,340 | 129,340   | 129,340 | 129,960   | 129,960 | 129,960   | 129,960 | 68,550    | 68,550 | 68,550    | 68,550 | 73,640    | 73,640 | 73,640    | 73,640 | 78,710    | 78,710 | 78,710    | 78,710 |
| Чистовые                          | 33        | 119,980 | 119,980   | 119,980 | 129,540   | 129,540 | 129,540   | 129,540 | 129,980   | 129,980 | 129,980   | 129,980 | 68,790    | 68,790 | 68,790    | 68,790 | 73,880    | 73,880 | 73,880    | 73,880 | 78,950    | 78,950 | 78,950    | 78,950 |
|                                   | 34        | 120,000 | 120,010   | 120,010 | 129,640   | 129,640 | 129,640   | 129,640 | 130,000   | 130,000 | 130,020   | 130,020 | 69,030    | 69,030 | 69,030    | 69,030 | 74,120    | 74,120 | 74,120    | 74,120 | 79,190    | 79,190 | 79,190    | 79,190 |
|                                   | 35        | 120,020 | 120,035   | 120,035 | 129,740   | 129,740 | 129,740   | 129,740 | 130,020   | 130,020 | 130,045   | 130,045 | 69,270    | 69,270 | 69,270    | 69,270 | 74,360    | 74,360 | 74,360    | 74,360 | 79,430    | 79,430 | 79,430    | 79,430 |
|                                   | 36        | 120,035 | 120,054   | 120,054 | 129,840   | 129,840 | 129,840   | 129,840 | 130,040   | 130,040 | 130,063   | 130,063 | 69,510    | 69,510 | 69,510    | 69,510 | 74,600    | 74,600 | 74,600    | 74,600 | 79,550    | 79,550 | 79,550    | 79,550 |
|                                   | 37        | 120,054 | 120,073   | 120,073 | 129,920   | 129,920 | 129,920   | 129,920 | 130,040   | 130,040 | 130,063   | 130,063 | 69,750    | 69,750 | 69,750    | 69,750 | 74,840    | 74,840 | 74,840    | 74,840 | 79,790    | 79,790 | 79,790    | 79,790 |
|                                   | 38        | 120,073 | 120,092   | 120,092 | 129,960   | 129,960 | 129,960   | 129,960 | 130,040   | 130,040 | 130,063   | 130,063 | 69,990    | 69,990 | 69,990    | 69,990 | 75,080    | 75,080 | 75,080    | 75,080 | 80,000    | 80,000 | 80,000    | 80,000 |
| Калитровые                        | 39        | 120,092 | 120,111   | 120,111 | 129,980   | 129,980 | 129,980   | 129,980 | 130,040   | 130,040 | 130,063   | 130,063 | 70,010    | 70,010 | 70,010    | 70,010 | 75,120    | 75,120 | 75,120    | 75,120 | 80,025    | 80,025 | 80,025    | 80,025 |
|                                   | 40        | 120,111 | 120,130   | 120,130 | 130,000   | 130,000 | 130,000   | 130,000 | 130,040   | 130,040 | 130,063   | 130,063 | 70,250    | 70,250 | 70,250    | 70,250 | 75,360    | 75,360 | 75,360    | 75,360 | 80,050    | 80,050 | 80,050    | 80,050 |
|                                   | 41        | 120,130 | 120,149   | 120,149 | 130,020   | 130,020 | 130,020   | 130,020 | 130,040   | 130,040 | 130,063   | 130,063 | 70,490    | 70,490 | 70,490    | 70,490 | 75,600    | 75,600 | 75,600    | 75,600 | 80,075    | 80,075 | 80,075    | 80,075 |
|                                   | 42        | 120,149 | 120,168   | 120,168 | 130,040   | 130,040 | 130,040   | 130,040 | 130,040   | 130,040 | 130,063   | 130,063 | 70,730    | 70,730 | 70,730    | 70,730 | 75,840    | 75,840 | 75,840    | 75,840 | 80,100    | 80,100 | 80,100    | 80,100 |
|                                   | 43        | 120,168 | 120,187   | 120,187 | 130,060   | 130,060 | 130,060   | 130,060 | 130,040   | 130,040 | 130,063   | 130,063 | 70,970    | 70,970 | 70,970    | 70,970 | 76,080    | 76,080 | 76,080    | 76,080 | 80,125    | 80,125 | 80,125    | 80,125 |
|                                   | 44        | 120,187 | 120,206   | 120,206 | 130,080   | 130,080 | 130,080   | 130,080 | 130,040   | 130,040 | 130,063   | 130,063 | 71,210    | 71,210 | 71,210    | 71,210 | 76,320    | 76,320 | 76,320    | 76,320 | 80,150    | 80,150 | 80,150    | 80,150 |
| Номера и диаметр D, мм            | 45        | 120,206 | 120,225   | 120,225 | 130,100   | 130,100 | 130,100   | 130,100 | 130,040   | 130,040 | 130,063   | 130,063 | 71,450    | 71,450 | 71,450    | 71,450 | 76,560    | 76,560 | 76,560    | 76,560 | 80,175    | 80,175 | 80,175    | 80,175 |
|                                   | 46        | 120,225 | 120,244   | 120,244 | 130,120   | 130,120 | 130,120   | 130,120 | 130,040   | 130,040 | 130,063   | 130,063 | 71,690    | 71,690 | 71,690    | 71,690 | 76,800    | 76,800 | 76,800    | 76,800 | 80,200    | 80,200 | 80,200    | 80,200 |
|                                   | 47        | 120,244 | 120,263   | 120,263 | 130,140   | 130,140 | 130,140   | 130,140 | 130,040   | 130,040 | 130,063   | 130,063 | 71,930    | 71,930 | 71,930    | 71,930 | 77,040    | 77,040 | 77,040    | 77,040 | 80,225    | 80,225 | 80,225    | 80,225 |
|                                   | 48        | 120,263 | 120,282   | 120,282 | 130,160   | 130,160 | 130,160   | 130,160 | 130,040   | 130,040 | 130,063   | 130,063 | 72,170    | 72,170 | 72,170    | 72,170 | 77,280    | 77,280 | 77,280    | 77,280 | 80,250    | 80,250 | 80,250    | 80,250 |
|                                   | 49        | 120,282 | 120,301   | 120,301 | 130,180   | 130,180 | 130,180   | 130,180 | 130,040   | 130,040 | 130,063   | 130,063 | 72,410    | 72,410 | 72,410    | 72,410 | 77,520    | 77,520 | 77,520    | 77,520 | 80,275    | 80,275 | 80,275    | 80,275 |
|                                   | 50        | 120,301 | 120,320   | 120,320 | 130,200   | 130,200 | 130,200   | 130,200 | 130,040   | 130,040 | 130,063   | 130,063 | 72,650    | 72,650 | 72,650    | 72,650 | 77,760    | 77,760 | 77,760    | 77,760 | 80,300    | 80,300 | 80,300    | 80,300 |
|                                   | 51        | 120,320 | 120,339   | 120,339 | 130,220   | 130,220 | 130,220   | 130,220 | 130,040   | 130,040 | 130,063   | 130,063 | 72,890    | 72,890 | 72,890    | 72,890 | 78,000    | 78,000 | 78,000    | 78,000 | 80,325    | 80,325 | 80,325    | 80,325 |

Продолжение табл. 8

Размеры, мм

| Обозначение<br>прокатки                 | Размеры, мм |           |           |           |           |           |           |           |           |           | 110×3     |           |
|-----------------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                         | 2403-3801   | 2403-3802 | 2403-3804 | 2403-3805 | 2403-3807 | 2403-3808 | 2403-3811 | 2403-3812 | 2403-3814 | 2403-3815 | 2403-3817 | 2403-3818 |
| Сочетание<br>полей<br>допусков<br>D и e |             |           |           |           |           |           |           |           |           |           |           |           |
|                                         | Н7-9Н       | Н8-11Н    | Н7-9Н     | Н8-11Н    | Н7-9Н     | Н8-11Н    | Н7-9Н     | Н8-11Н    | Н7-9Н     | Н8-11Н    | Н7-9Н     | Н8-11Н    |
| D × m                                   |             |           |           |           |           |           |           |           |           |           | 110×3     |           |
|                                         |             |           |           |           |           |           |           |           |           |           |           |           |
| 1                                       | 76,370      | 76,370    | 81,170    | 81,170    | 86,340    | 86,340    | 91,340    | 91,340    | 96,240    | 96,240    | 101,240   | 101,240   |
| 2                                       | 76,610      | 76,610    | 81,410    | 81,410    | 86,580    | 86,580    | 91,580    | 91,580    | 96,480    | 96,480    | 101,480   | 101,480   |
| 3                                       | 76,850      | 76,850    | 81,650    | 81,650    | 86,820    | 86,820    | 91,820    | 91,820    | 96,720    | 96,720    | 101,720   | 101,720   |
| 4                                       | 77,090      | 77,090    | 81,890    | 81,890    | 87,060    | 87,060    | 92,060    | 92,060    | 96,960    | 96,960    | 101,960   | 101,960   |
| 5                                       | 77,330      | 77,330    | 82,130    | 82,130    | 87,300    | 87,300    | 92,300    | 92,300    | 97,200    | 97,200    | 102,200   | 102,200   |
| 6                                       | 77,570      | 77,570    | 82,370    | 82,370    | 87,540    | 87,540    | 92,540    | 92,540    | 97,440    | 97,440    | 102,440   | 102,440   |
| 7                                       | 77,810      | 77,810    | 82,610    | 82,610    | 87,780    | 87,780    | 92,780    | 92,780    | 97,680    | 97,680    | 102,680   | 102,680   |
| 8                                       | 78,050      | 78,050    | 82,850    | 82,850    | 88,020    | 88,020    | 93,020    | 93,020    | 97,920    | 97,920    | 102,920   | 102,920   |
| 9                                       | 78,290      | 78,290    | 83,090    | 83,090    | 88,260    | 88,260    | 93,260    | 93,260    | 98,160    | 98,160    | 103,160   | 103,160   |
| 10                                      | 78,530      | 78,530    | 83,330    | 83,330    | 88,500    | 88,500    | 93,500    | 93,500    | 98,400    | 98,400    | 103,400   | 103,400   |
| 11                                      | 78,770      | 78,770    | 83,570    | 83,570    | 88,740    | 88,740    | 93,740    | 93,740    | 98,640    | 98,640    | 103,640   | 103,640   |
| 12                                      | 79,010      | 79,010    | 83,810    | 83,810    | 88,980    | 88,980    | 93,980    | 93,980    | 98,880    | 98,880    | 103,880   | 103,880   |
| 13                                      | 79,250      | 79,250    | 84,050    | 84,050    | 89,220    | 89,220    | 94,220    | 94,220    | 99,120    | 99,120    | 104,120   | 104,120   |
| 14                                      | 79,490      | 79,490    | 84,290    | 84,290    | 89,460    | 89,460    | 94,460    | 94,460    | 99,360    | 99,360    | 104,360   | 104,360   |
| 15                                      | 79,730      | 79,730    | 84,530    | 84,530    | 89,700    | 89,700    | 94,700    | 94,700    | 99,600    | 99,600    | 104,600   | 104,600   |
| 16                                      | 79,970      | 79,970    | 84,770    | 84,770    | 89,940    | 89,940    | 94,940    | 94,940    | 99,840    | 99,840    | 104,840   | 104,840   |
| 17                                      | 80,210      | 80,210    | 85,010    | 85,010    | 90,180    | 90,180    | 95,180    | 95,180    | 100,080   | 100,080   | 105,080   | 105,080   |
| 18                                      | 80,450      | 80,450    | 85,250    | 85,250    | 90,420    | 90,420    | 95,420    | 95,420    | 100,320   | 100,320   | 105,320   | 105,320   |
| 19                                      | 80,690      | 80,690    | 85,490    | 85,490    | 90,660    | 90,660    | 95,660    | 95,660    | 100,560   | 100,560   | 105,560   | 105,560   |
| 20                                      | 80,930      | 80,930    | 85,730    | 85,730    | 90,900    | 90,900    | 95,900    | 95,900    | 100,800   | 100,800   | 105,800   | 105,800   |
| 21                                      | 81,170      | 81,170    | 85,970    | 85,970    | 91,140    | 91,140    | 96,140    | 96,140    | 101,040   | 101,040   | 106,040   | 106,040   |
| 22                                      | 81,410      | 81,410    | 86,210    | 86,210    | 91,380    | 91,380    | 96,380    | 96,380    | 101,280   | 101,280   | 106,280   | 106,280   |
| 23                                      | 81,650      | 81,650    | 86,450    | 86,450    | 91,620    | 91,620    | 96,620    | 96,620    | 101,520   | 101,520   | 106,520   | 106,520   |
| 24                                      | 81,890      | 81,890    | 86,690    | 86,690    | 91,860    | 91,860    | 96,860    | 96,860    | 101,760   | 101,760   | 106,760   | 106,760   |
| 25                                      | 82,130      | 82,130    | 86,930    | 86,930    | 92,100    | 92,100    | 97,100    | 97,100    | 102,000   | 102,000   | 107,000   | 107,000   |
| 26                                      | 82,370      | 82,370    | 87,170    | 87,170    | 92,340    | 92,340    | 97,340    | 97,340    | 102,240   | 102,240   | 107,240   | 107,240   |

Номера и диаметры D, указанные

черными и перечеркнутыми

Продолжение табл. 8

| Размеры, мм                |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Обозначение<br>профиля     | 2403-3801 | 2403-3802 | 2403-3804 | 2403-3805 | 2403-3807 | 2403-3808 | 2403-3811 | 2403-3812 | 2403-3814 | 2403-3815 | 2403-3817 | 2403-3818 |
| Сечение<br>полюса<br>D × m | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    | НТ-9Н     | НТ-11Н    |
| D × m                      | 85 × 5    | 85 × 5    | 90 × 5    | 90 × 5    | 95 × 5    | 95 × 5    | 100 × 5   | 100 × 5   | 105 × 5   | 105 × 5   | 110 × 5   | 110 × 5   |
| 27                         | 82,610    | 82,610    | 87,410    | 87,410    | 92,580    | 92,580    | 97,580    | 97,580    | 102,480   | 102,480   | 107,480   | 107,480   |
| 28                         | 82,850    | 82,850    | 87,650    | 87,650    | 92,820    | 92,820    | 97,820    | 97,820    | 102,720   | 102,720   | 107,720   | 107,720   |
| 29                         | 83,090    | 83,090    | 87,890    | 87,890    | 93,060    | 93,060    | 98,060    | 98,060    | 102,960   | 102,960   | 107,960   | 107,960   |
| 30                         | 83,330    | 83,330    | 88,130    | 88,130    | 93,300    | 93,300    | 98,300    | 98,300    | 103,200   | 103,200   | 108,200   | 108,200   |
| 31                         | 83,570    | 83,570    | 88,370    | 88,370    | 93,540    | 93,540    | 98,540    | 98,540    | 103,440   | 103,440   | 108,440   | 108,440   |
| 32                         | 83,810    | 83,810    | 88,610    | 88,610    | 93,780    | 93,780    | 98,780    | 98,780    | 103,680   | 103,680   | 108,680   | 108,680   |
| 33                         | 84,050    | 84,050    | 88,850    | 88,850    | 94,020    | 94,020    | 99,020    | 99,020    | 103,920   | 103,920   | 108,920   | 108,920   |
| 34                         | 84,290    | 84,290    | 89,090    | 89,090    | 94,260    | 94,260    | 99,260    | 99,260    | 104,160   | 104,160   | 109,160   | 109,160   |
| 35                         | 84,530    | 84,530    | 89,330    | 89,330    | 94,500    | 94,500    | 99,500    | 99,500    | 104,400   | 104,400   | 109,400   | 109,400   |
| 36                         | 84,770    | 84,770    | 89,570    | 89,570    | 94,740    | 94,740    | 99,740    | 99,740    | 104,640   | 104,640   | 109,640   | 109,640   |
| 37                         | 84,910    | 84,910    | 89,810    | 89,810    | 94,980    | 94,980    | 99,980    | 99,980    | 104,760   | 104,760   | 109,760   | 109,760   |
| 38                         | 85,150    | 85,150    | 90,050    | 90,050    | 95,000    | 95,000    | 100,000   | 100,000   | 104,840   | 104,840   | 109,840   | 109,840   |
| 39                         | 85,390    | 85,390    | 90,290    | 90,290    | 95,240    | 95,240    | 100,240   | 100,240   | 104,920   | 104,920   | 109,920   | 109,920   |
| 40                         | 85,630    | 85,630    | 90,530    | 90,530    | 95,480    | 95,480    | 100,480   | 100,480   | 105,000   | 105,000   | 110,000   | 110,000   |
| 41                         | 85,870    | 85,870    | 90,770    | 90,770    | 95,720    | 95,720    | 100,720   | 100,720   | 105,080   | 105,080   | 110,080   | 110,080   |
| 42                         | 86,110    | 86,110    | 91,010    | 91,010    | 95,960    | 95,960    | 100,960   | 100,960   | 105,320   | 105,320   | 110,320   | 110,320   |
| 43                         | 86,350    | 86,350    | 91,250    | 91,250    | 96,200    | 96,200    | 101,200   | 101,200   | 105,560   | 105,560   | 110,560   | 110,560   |
| 44                         | 86,590    | 86,590    | 91,490    | 91,490    | 96,440    | 96,440    | 101,440   | 101,440   | 105,800   | 105,800   | 110,800   | 110,800   |
| 45                         | 86,830    | 86,830    | 91,730    | 91,730    | 96,680    | 96,680    | 101,680   | 101,680   | 106,040   | 106,040   | 111,040   | 111,040   |
| 46                         | 87,070    | 87,070    | 91,970    | 91,970    | 96,920    | 96,920    | 101,920   | 101,920   | 106,280   | 106,280   | 111,280   | 111,280   |
| 47                         | 87,310    | 87,310    | 92,210    | 92,210    | 97,160    | 97,160    | 102,160   | 102,160   | 106,520   | 106,520   | 111,520   | 111,520   |
| 48                         | 87,550    | 87,550    | 92,450    | 92,450    | 97,400    | 97,400    | 102,400   | 102,400   | 106,760   | 106,760   | 111,760   | 111,760   |
| 49                         | 87,790    | 87,790    | 92,690    | 92,690    | 97,640    | 97,640    | 102,640   | 102,640   | 107,000   | 107,000   | 112,000   | 112,000   |
| 50                         | 88,030    | 88,030    | 92,930    | 92,930    | 97,880    | 97,880    | 102,880   | 102,880   | 107,240   | 107,240   | 112,240   | 112,240   |
| 51                         | 88,270    | 88,270    | 93,170    | 93,170    | 98,120    | 98,120    | 103,120   | 103,120   | 107,480   | 107,480   | 112,480   | 112,480   |
| Черновых и переходных      |           |           |           |           |           |           |           |           |           |           |           |           |
| Чистовых                   |           |           |           |           |           |           |           |           |           |           |           |           |
| Калибрующихся              |           |           |           |           |           |           |           |           |           |           |           |           |
| 47                         | 85,035    | 85,035    | 90,035    | 90,035    | 95,035    | 95,035    | 100,035   | 100,035   | 105,035   | 105,035   | 110,035   | 110,035   |
| 48                         | 85,275    | 85,275    | 90,275    | 90,275    | 95,275    | 95,275    | 100,275   | 100,275   | 105,275   | 105,275   | 110,275   | 110,275   |
| 49                         | 85,515    | 85,515    | 90,515    | 90,515    | 95,515    | 95,515    | 100,515   | 100,515   | 105,515   | 105,515   | 110,515   | 110,515   |
| 50                         | 85,755    | 85,755    | 90,755    | 90,755    | 95,755    | 95,755    | 100,755   | 100,755   | 105,755   | 105,755   | 110,755   | 110,755   |
| 51                         | 85,995    | 85,995    | 90,995    | 90,995    | 95,995    | 95,995    | 100,995   | 100,995   | 105,995   | 105,995   | 110,995   | 110,995   |

Номера и размеры D, мм

Продолжение табл. 8

| Размеры, мм                       |           |         |           |         |           |         |
|-----------------------------------|-----------|---------|-----------|---------|-----------|---------|
| Обозначение<br>проушины           | 2403-3821 |         | 2403-3822 |         | 2403-3824 |         |
|                                   | Н7-9Н     | Н3-11Н  | Н7-9Н     | Н3-11Н  | Н7-9Н     | Н3-11Н  |
| Сочетание полей допусков<br>D и e | 130×5     |         | 130×5     |         | 130×5     |         |
| D×m                               | 130×5     |         | 130×5     |         | 130×5     |         |
| черновых и переходных             | 27        | 117,580 | 117,580   | 127,480 | 127,480   | 127,480 |
|                                   | 28        | 117,820 | 117,820   | 127,720 | 127,720   | 127,720 |
|                                   | 29        | 118,060 | 118,060   | 127,960 | 127,960   | 127,960 |
|                                   | 30        | 118,300 | 118,300   | 128,200 | 128,200   | 128,200 |
|                                   | 31        | 118,540 | 118,540   | 128,440 | 128,440   | 128,440 |
|                                   | 32        | 118,780 | 118,780   | 128,680 | 128,680   | 128,680 |
|                                   | 33        | 119,020 | 119,020   | 128,920 | 128,920   | 128,920 |
|                                   | 34        | 119,260 | 119,260   | 129,160 | 129,160   | 129,160 |
|                                   | 35        | 119,500 | 119,500   | 129,400 | 129,400   | 129,400 |
|                                   | 36        | 119,740 | 119,740   | 129,640 | 129,640   | 129,640 |
| чистовых                          | 37        | 119,980 | 119,980   | 129,880 | 129,880   | 129,880 |
|                                   | 38        | 119,980 | 119,980   | 129,880 | 129,880   | 129,880 |
|                                   | 39        | 119,980 | 119,980   | 129,880 | 129,880   | 129,880 |
|                                   | 40        | 119,980 | 119,980   | 129,880 | 129,880   | 129,880 |
|                                   | 41        | 119,980 | 119,980   | 129,880 | 129,880   | 129,880 |
|                                   | 42        | 120,000 | 120,010   | 129,980 | 129,980   | 129,980 |
|                                   | 43        | 120,020 | 120,035   | 130,000 | 130,000   | 130,020 |
|                                   | 44        | 120,035 | 120,054   | 130,020 | 130,020   | 130,045 |
|                                   | 45        | 120,054 | 120,054   | 130,040 | 130,040   | 130,063 |
|                                   | 46        | 120,054 | 120,054   | 130,040 | 130,040   | 130,063 |
| калибрующихся                     | 47        | 120,035 | 120,035   | 130,040 | 130,040   | 130,063 |
|                                   | 48        | 120,035 | 120,035   | 130,040 | 130,040   | 130,063 |
|                                   | 49        | 120,035 | 120,035   | 130,040 | 130,040   | 130,063 |
|                                   | 50        | 120,035 | 120,035   | 130,040 | 130,040   | 130,063 |
|                                   | 51        | 120,035 | 120,035   | 130,040 | 130,040   | 130,063 |

Продолжение табл. 8

| Размеры, мм                                          |           |         |           |         |           |
|------------------------------------------------------|-----------|---------|-----------|---------|-----------|
| Обозначение<br>проушины                              | 2403-3821 |         | 2403-3822 |         | 2403-3824 |
|                                                      | Н7-9Н     | Н9-11Н  | Н9-11Н    | Н7-9Н   |           |
| Сочетание полей допусков<br>D и e                    | 120×5     |         |           |         | 130×5     |
|                                                      |           |         |           |         |           |
| Номера и диаметры D, зубьев<br>черновых и переходных | D×m       |         |           |         |           |
|                                                      | 1         | 111,340 | 111,340   | 121,240 | 121,240   |
|                                                      | 2         | 111,580 | 111,580   | 121,480 | 121,480   |
|                                                      | 3         | 111,820 | 111,820   | 121,720 | 121,720   |
|                                                      | 4         | 112,060 | 112,060   | 121,960 | 121,960   |
|                                                      | 5         | 112,300 | 112,300   | 122,200 | 122,200   |
|                                                      | 6         | 112,540 | 112,540   | 122,440 | 122,440   |
|                                                      | 7         | 112,780 | 112,780   | 122,680 | 122,680   |
|                                                      | 8         | 113,020 | 113,020   | 122,920 | 122,920   |
|                                                      | 9         | 113,260 | 113,260   | 123,160 | 123,160   |
|                                                      | 10        | 113,500 | 113,500   | 123,400 | 123,400   |
|                                                      | 11        | 113,740 | 113,740   | 123,640 | 123,640   |
|                                                      | 12        | 113,980 | 113,980   | 123,880 | 123,880   |
|                                                      | 13        | 114,220 | 114,220   | 124,120 | 124,120   |
|                                                      | 14        | 114,460 | 114,460   | 124,360 | 124,360   |
|                                                      | 15        | 114,700 | 114,700   | 124,600 | 124,600   |
|                                                      | 16        | 114,940 | 114,940   | 124,840 | 124,840   |
|                                                      | 17        | 115,180 | 115,180   | 125,080 | 125,080   |
|                                                      | 18        | 115,420 | 115,420   | 125,320 | 125,320   |
|                                                      | 19        | 115,660 | 115,660   | 125,560 | 125,560   |
|                                                      | 20        | 115,900 | 115,900   | 125,800 | 125,800   |
|                                                      | 21        | 116,140 | 116,140   | 126,040 | 126,040   |
|                                                      | 22        | 116,380 | 116,380   | 126,280 | 126,280   |
|                                                      | 23        | 116,620 | 116,620   | 126,520 | 126,520   |
|                                                      | 24        | 116,860 | 116,860   | 126,760 | 126,760   |
|                                                      | 25        | 117,100 | 117,100   | 127,000 | 127,000   |
| 26                                                   | 117,340   | 117,340 | 127,240   | 127,240 |           |

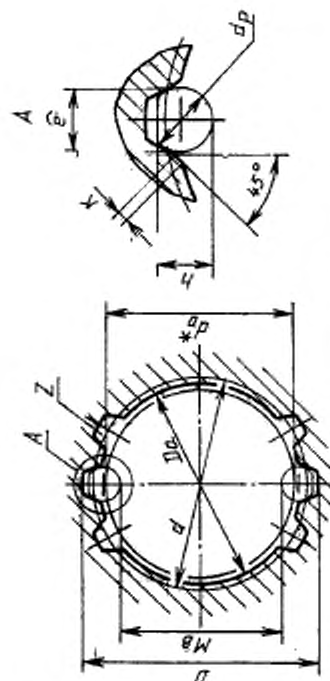


Таблица 9

| Обозначение<br>проточки | D × m  | z  | Номер<br>прохода | Состояние<br>полей до-<br>пусков<br>D и d | d    | z     | D <sub>а</sub><br>(поле<br>допус-<br>ков<br>H11) | d <sub>а</sub><br>(поле<br>допус-<br>ков<br>H11) | d <sub>p</sub> | M <sub>B</sub> |                 | Длина<br>проточки           |          | Усиление проточки Р, Н (кгс),<br>при переднем угле |                   |                   |
|-------------------------|--------|----|------------------|-------------------------------------------|------|-------|--------------------------------------------------|--------------------------------------------------|----------------|----------------|-----------------|-----------------------------|----------|----------------------------------------------------|-------------------|-------------------|
|                         |        |    |                  |                                           |      |       |                                                  |                                                  |                | Наим.          | Верхн.<br>откл. | Средн. и<br>задний<br>откл. | Материал | 20°                                                | 15°               | 10°               |
|                         |        |    |                  |                                           |      |       |                                                  |                                                  |                |                |                 |                             |          |                                                    |                   |                   |
| 2403-3569               | 70 × 3 | 22 | 1                | —                                         | —    | —     | —                                                | 63,4                                             | —              | —              | —               | —                           | —        | 244250<br>(24900)                                  | 267220<br>(27240) | 287250<br>(29280) |
| 2403-3571               |        |    | 2                | H7—9H                                     | 56,0 | 5,117 | 64                                               | —                                                | 5,454          | 58,445         | +0,097          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3572               |        |    | —                | H8—11H                                    | —    | —     | —                                                | —                                                | —              | 58,503         | +0,192          | 45—124                      | 45—150   | —                                                  | —                 | —                 |
| 2403-3573               | 75 × 3 | 24 | 1                | —                                         | —    | —     | —                                                | 68,4                                             | —              | —              | —               | —                           | —        | 266100<br>(27130)                                  | 291150<br>(29680) | 313000<br>(31910) |
| 2403-3574               |        |    | 2                | H7—9H                                     | 72,0 | 4,539 | 69                                               | —                                                | 5,454          | 63,311         | +0,102          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3575               |        |    | —                | H8—11H                                    | —    | —     | —                                                | —                                                | —              | 63,373         | +0,203          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3576; 2403-3579    | 80 × 3 | 25 | 1                | —                                         | —    | —     | —                                                | 73,4                                             | —              | —              | —               | —                           | —        | 306950<br>(31300)                                  | 336850<br>(34240) | 361050<br>(36810) |
| 2403-3577; 2403-3581    |        |    | 2                | H7—9H                                     | 75,0 | 5,694 | 74                                               | —                                                | 5,454          | 68,385         | +0,090          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3578; 2403-3582    |        |    | —                | H8—11H                                    | —    | —     | —                                                | —                                                | —              | 68,439         | +0,179          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3583; 2403-3586    | 85 × 3 | 27 | 1                | —                                         | —    | —     | —                                                | 78,4                                             | —              | —              | —               | —                           | 45—140   | 322500<br>(32880)                                  | 352850<br>(35970) | 379300<br>(38670) |
| 2403-3584; 2403-3587    |        |    | 2                | H7—9H                                     | 81,0 | 5,117 | 79                                               | —                                                | 5,454          | 73,335         | +0,094          | —                           | —        | —                                                  | —                 | —                 |
| 2403-3585; 2403-3588    |        |    | —                | H8—11H                                    | —    | —     | —                                                | —                                                | —              | 73,391         | +0,188          | —                           | —        | —                                                  | —                 | —                 |

\* Диаметр отверстия до проточки, для справок.

Черт. 3





Размеры, мм

| Обозначение<br>профиля | D × t  | z  | Номер<br>профиля | Сочета-<br>ние<br>допусков<br>D и t | d     | e     | D <sub>доп.</sub><br>(мм)<br>H11 | K    | d <sub>доп.</sub><br>(мм)<br>H11 | d <sub>p</sub> | h   | M <sub>B</sub> |                | Длина<br>прогибания          |                             | Усилие прогибания P, Н<br>(кгс), при перемещении |                   |
|------------------------|--------|----|------------------|-------------------------------------|-------|-------|----------------------------------|------|----------------------------------|----------------|-----|----------------|----------------|------------------------------|-----------------------------|--------------------------------------------------|-------------------|
|                        |        |    |                  |                                     |       |       |                                  |      |                                  |                |     | Наим.          | Верхн.<br>огр. | Сталь и<br>алюмин.<br>сплавы | Чугун,<br>бронза,<br>дюрал. | 20°                                              | 15                |
| 2403-3589; 2403-3593   | 90×3   | 28 | 1                | —                                   | 84,0  | 6,271 | 84                               | —    | 83,4                             | —              | —   | —              | —              | —                            | —                           | 349650<br>(35650)                                | 382550<br>(39000) |
| 2403-3591; 2403-3594   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | 5,2 | 78,552         | +0,086         | 45—140                       | 45—170                      |                                                  | 411250<br>(41930) |
| 2403-3592; 2403-3595   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 78,604         | +0,172         |                              |                             |                                                  |                   |
| 2403-3596; 2403-3599   | 95×3   | 30 | 1                | —                                   | 90,0  | 5,694 | 89                               | —    | 88,4                             | —              | —   | —              | —              | —                            | —                           | 366100<br>(37320)                                | 400525<br>(40830) |
| 2403-3597; 2403-3601   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | —   | 83,535         | +0,089         |                              |                             |                                                  | 430550<br>(43900) |
| 2403-3598; 2403-3602   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 83,588         | +0,179         |                              |                             |                                                  |                   |
| 2403-3603; 2403-3606   | 100×3  | 32 | 1                | —                                   | 96,0  | 5,117 | 94                               | —    | 93,4                             | —              | —   | —              | —              | —                            | —                           | 362050<br>(36910)                                | 396100<br>(40380) |
| 2403-3604; 2403-3607   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | —   | 88,483         | +0,093         |                              |                             |                                                  | 425800<br>(43410) |
| 2403-3605; 2403-3608   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 88,539         | +0,185         |                              |                             |                                                  |                   |
| 2403-3609; 2403-3613   | 105×3  | 34 | 1                | —                                   | 102,0 | 4,539 | 99                               | 0,45 | 98,4                             | —              | —   | —              | —              | 45—124                       | 45—150                      | 376300<br>(38360)                                | 411700<br>(41970) |
| 2403-3611; 2403-3614   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | —   | 93,403         | +0,108         |                              |                             |                                                  | 442575<br>(45120) |
| 2403-3612; 2403-3615   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 93,469         | +0,215         |                              |                             |                                                  |                   |
| 2403-3616              | 110×3  | 35 | 1                | —                                   | 105,0 | 5,694 | 104                              | —    | 103,4                            | —              | —   | —              | —              |                              |                             | 391000<br>(39860)                                | 427800<br>(43610) |
| 2403-3617              |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | 5,2 | 98,440         | +0,099         |                              |                             |                                                  | 459400<br>(46880) |
| 2403-3618              |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 98,500         | +0,199         |                              |                             |                                                  |                   |
| 2403-3619              | 120×3  | 38 | 1                | —                                   | 114,0 | 6,271 | 114                              | —    | 113,4                            | —              | —   | —              | —              |                              |                             | 394300<br>(40200)                                | 431400<br>(43980) |
| 2403-3621              |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 6,212          | —   | 106,253        | +0,101         |                              |                             |                                                  | 463750<br>(47280) |
| 2403-3622              |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 106,314        | +0,202         |                              |                             |                                                  |                   |
| 2403-3623              | 130×3  | 42 | 1                | —                                   | 126,0 | 5,117 | 124                              | —    | 123,4                            | —              | —   | —              | —              |                              |                             | 383650<br>(39110)                                | 419750<br>(42790) |
| 2403-3624              |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 5,454          | 5,2 | 118,509        | +0,102         |                              |                             |                                                  | 451250<br>(46000) |
| 2403-3625              |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 118,571        | +0,203         |                              |                             |                                                  |                   |
| 2403-3626; 2403-3629   | 55×3,5 | 14 | 1                | —                                   | 49,0  | 6,739 | 48                               | —    | 47,5                             | —              | —   | —              | —              | 40—110                       | 40—130                      | 154650<br>(15770)                                | 169220<br>(17250) |
| 2403-3627; 2403-3631   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 6,518          | —   | 41,101         | +0,086         |                              |                             |                                                  | 181900<br>(18540) |
| 2403-3628; 2403-3632   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 41,147         | +0,170         |                              |                             |                                                  |                   |
| 2403-3633; 2403-3636   | 60×3,5 | 16 | 1                | —                                   | 56,0  | 5,581 | 53                               | 0,52 | 52,4                             | —              | —   | —              | —              |                              |                             | 186750<br>(19040)                                | 204325<br>(20830) |
| 2403-3634; 2403-3637   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 6,212          | 5,8 | 46,823         | +0,106         |                              |                             |                                                  | 219650<br>(22390) |
| 2403-3635; 2403-3638   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 46,887         | +0,210         |                              |                             |                                                  |                   |
| 2403-3639; 2403-3643   | 64×3,5 | 18 | 1                | —                                   | 63,0  | 4,430 | 58                               | —    | 57,4                             | —              | —   | —              | —              |                              |                             | 184500<br>(18810)                                | 201850<br>(20580) |
| 2403-3641; 2403-3644   |        |    | 2                | H7—9H                               |       |       |                                  |      |                                  | 6,212          | —   | 51,143         | +0,138         |                              |                             |                                                  | 217000<br>(22120) |
| 2403-3642; 2403-3645   |        |    | 1                | H8—11H                              |       |       |                                  |      |                                  | —              | —   | 51,226         | +0,271         |                              |                             |                                                  |                   |



Размеры, мм

| Обозначение<br>прокатки | D × m   | z  | Количество<br>прокатки | Состояние<br>поверхности<br>допуска<br>D и m | d          | e   | D <sub>0</sub><br>(поле<br>допуска<br>D и m) | K     | d <sub>0</sub><br>(поле<br>допуска<br>D и m) | d <sub>p</sub> | h | M <sub>B</sub> |                  | Длина<br>прокатки            |                             | Усиление прокатки Р, Н<br>(кгс), при перегибе угле |                   |
|-------------------------|---------|----|------------------------|----------------------------------------------|------------|-----|----------------------------------------------|-------|----------------------------------------------|----------------|---|----------------|------------------|------------------------------|-----------------------------|----------------------------------------------------|-------------------|
|                         |         |    |                        |                                              |            |     |                                              |       |                                              |                |   | Налик.         | Варен.<br>отдел. | Сталь и<br>алюмин.<br>сплавы | Чугун,<br>бронза,<br>латунь | 20°                                                | 15°               |
| 2403-3699               | 130×3,5 | 36 | 1                      | —                                            | 126,05,584 | 123 | 0,52                                         | 122,4 | —                                            | —              | — | —              | —                | 40—110                       | 40—130                      | 380500<br>(38800)                                  | 416425<br>(42450) |
| 2403-3701               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 6,212                                        | 5,8            |   | 116,997        | +0,105           |                              |                             |                                                    |                   |
| 2403-3702               |         |    |                        | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 117,061        | +0,208           |                              |                             |                                                    |                   |
| 2403-3703               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3704               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        |                |   | 45,144         | +0,084           | 36—82                        | 36—100                      | 163900<br>(16710)                                  | 179300<br>(18280) |
| 2403-3705               | 60×4    | 13 | 1                      | H8—11H                                       | 52,08,362  | 52  |                                              | 51,4  | —                                            | —              |   | 45,195         | +0,165           |                              |                             |                                                    |                   |
| 2403-3706               |         |    |                        | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3707               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        |                |   | 45,144         | +0,084           | 40—110                       | 40—130                      | 189900<br>(19360)                                  | 207775<br>(21180) |
| 2403-3708               |         |    | 1                      | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 45,195         | +0,165           |                              |                             |                                                    |                   |
| 2403-3709               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3711               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        |                |   | 50,026         | +0,102           | 36—82                        | 36—100                      | 174350<br>(17780)                                  | 190750<br>(19450) |
| 2403-3712               | 65×4    | 15 | 1                      | H8—11H                                       | 60,06,630  | 57  |                                              | 56,4  | —                                            | —              |   | 50,087         | +0,202           |                              |                             |                                                    |                   |
| 2403-3713               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3714               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        |                |   | 50,026         | +0,102           | 40—110                       | 40—130                      | 192200<br>(19600)                                  | 210300<br>(21440) |
| 2403-3715               |         |    | 1                      | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 50,087         | +0,202           |                              |                             |                                                    |                   |
| 2403-3716               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3717               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        | 6,6            |   | 55,478         | +0,093           | 36—82                        | 36—100                      | 187850<br>(19150)                                  | 205520<br>(20950) |
| 2403-3718               | 70×4    | 16 | 1                      | H8—11H                                       | 64,07,207  | 62  |                                              | 61,4  | —                                            | —              |   | 55,534         | +0,166           |                              |                             |                                                    |                   |
| 2403-3719               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3721               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        | 6,6            |   | 55,478         | +0,093           | 40—110                       | 40—130                      | 194200<br>(19800)                                  | 212475<br>(21660) |
| 2403-3722               |         |    | 1                      | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 55,534         | +0,166           |                              |                             |                                                    |                   |
| 2403-3723               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3724               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        | 6,6            |   | 60,241         | +0,088           | 36—88                        | 36—105                      | 243450<br>(24820)                                  | 266340<br>(27150) |
| 2403-3725               | 75×4    | 17 | 1                      | H8—11H                                       | 68,07,784  | 67  |                                              | 66,4  | —                                            | —              |   | 60,294         | +0,175           |                              |                             |                                                    |                   |
| 2403-3726               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3727               |         |    | 2                      | H7—9H                                        |            |     |                                              |       | 7,000                                        | 6,6            |   | 60,241         | +0,088           | 45—116                       | 45—140                      | 243750<br>(24850)                                  | 266700<br>(27190) |
| 2403-3728               |         |    | 1                      | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 60,294         | +0,175           |                              |                             |                                                    |                   |
| 2403-3729               |         |    | 1                      | —                                            |            |     |                                              |       | —                                            | —              |   | —              | —                |                              |                             |                                                    |                   |
| 2403-3731               | 80×4    | 18 | 2                      | H7—9H                                        | 72,08,362  | 72  |                                              | 71,4  | —                                            | —              |   | 65,530         | +0,084           | 36—88                        | 36—105                      | 267800<br>(26280)                                  | 282050<br>(28750) |
| 2403-3732               |         |    | 1                      | H8—11H                                       |            |     |                                              |       | —                                            | —              |   | 65,580         | +0,169           |                              |                             |                                                    |                   |

Размеры, мм

| Обозначение<br>проточки | D × m   | z  | Код<br>профиля | Сочетание<br>полей<br>допусков<br>D и d | d             | e | D <sub>с</sub><br>допус-<br>ки<br>H11 | K | d <sub>с</sub><br>(поле<br>допус-<br>ки<br>H11) | d <sub>p</sub> | h   | M <sub>B</sub> |        | Длина<br>проточки                    |                             | Усиление прогибания Р, Н<br>(кгс), при среднем угле |                   |                   |
|-------------------------|---------|----|----------------|-----------------------------------------|---------------|---|---------------------------------------|---|-------------------------------------------------|----------------|-----|----------------|--------|--------------------------------------|-----------------------------|-----------------------------------------------------|-------------------|-------------------|
|                         |         |    |                |                                         |               |   |                                       |   |                                                 |                |     | Низ.           | Верх.  | Сталь и<br>чугун,<br>литые<br>сплавы | Чугун,<br>бронза,<br>латунь | 20°                                                 | 15°               | 10°               |
| 2403-3733               | 80 × 4  | 18 | 1              | —                                       | 72,0 ± 0,362  | — | 72                                    | — | 71,4                                            | 7,000          | 6,6 | —              | —      | 45—116                               | 45—140                      | 253100<br>(26310)                                   | 282400<br>(28790) | 303575<br>(30960) |
| 2403-3734               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 65,530         | +0,084 |                                      |                             |                                                     |                   |                   |
| 2403-3735               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 65,580         | +0,169 |                                      |                             |                                                     |                   |                   |
| 2403-3736               | 85 × 4  | 20 | 1              | —                                       | 80,0 ± 0,630  | — | 77                                    | — | 76,4                                            | 7,000          | 6,6 | —              | —      | 36—88                                | 36—105                      | 280750<br>(28620)                                   | 307150<br>(31310) | 330200<br>(33660) |
| 2403-3737               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 70,400         | +0,097 |                                      |                             |                                                     |                   |                   |
| 2403-3738               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 70,458         | +0,193 |                                      |                             |                                                     |                   |                   |
| 2403-3739               | 90 × 4  | 21 | 1              | —                                       | 81,0 ± 0,207  | — | 82                                    | — | 81,4                                            | 7,000          | 6,6 | —              | —      | 45—124                               | 45—150                      | 308250<br>(31420)                                   | 337250<br>(34380) | 362550<br>(36960) |
| 2403-3740               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 75,262         | +0,092 |                                      |                             |                                                     |                   |                   |
| 2403-3741               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 75,317         | +0,182 |                                      |                             |                                                     |                   |                   |
| 2403-3742               | 95 × 4  | 22 | 1              | —                                       | 83,0 ± 0,781  | — | 87                                    | — | 86,4                                            | 7,000          | 6,6 | —              | —      | 45—124                               | 45—150                      | 326150<br>(33250)                                   | 356850<br>(36380) | 383600<br>(39110) |
| 2403-3743               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 75,262         | +0,092 |                                      |                             |                                                     |                   |                   |
| 2403-3744               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 75,317         | +0,182 |                                      |                             |                                                     |                   |                   |
| 2403-3745               | 100 × 4 | 24 | 1              | —                                       | 96,0 ± 0,630  | — | 92                                    | — | 91,4                                            | 7,000          | 6,6 | —              | —      | 36—88                                | 36—105                      | 332800<br>(33930)                                   | 364100<br>(37120) | 391400<br>(39900) |
| 2403-3746               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 85,302         | +0,099 |                                      |                             |                                                     |                   |                   |
| 2403-3747               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 85,362         | +0,198 |                                      |                             |                                                     |                   |                   |
| 2403-3748               | 105 × 4 | 25 | 1              | —                                       | 100,0 ± 0,630 | — | 97                                    | — | 96,4                                            | 7,000          | 6,6 | —              | —      | 36—88                                | 36—105                      | 349400<br>(35620)                                   | 382350<br>(38970) | 410925<br>(41890) |
| 2403-3749               |         |    | 2              | H7—9H                                   |               |   |                                       |   |                                                 |                |     | 90,239         | +0,094 |                                      |                             |                                                     |                   |                   |
| 2403-3750               |         |    | 2              | H8—11H                                  |               |   |                                       |   |                                                 |                |     | 90,295         | +0,188 |                                      |                             |                                                     |                   |                   |





Продолжение табл. 9

Размеры, мм

| Обозначение<br>прокладки | D × d   | z  | Номер<br>прокладки | Сочета-<br>ние<br>полей<br>допуска<br>D и d | d     | e      | D <sub>a</sub><br>(поле<br>допус-<br>ка III) | K     | d <sub>0</sub><br>(поле<br>допус-<br>ка III) | d <sub>p</sub> | M <sub>B</sub> |                 | Длина<br>прокладки                     |                             | Усилие протискивания Р, Н<br>(кгс) при переднем угле |                   |                   |
|--------------------------|---------|----|--------------------|---------------------------------------------|-------|--------|----------------------------------------------|-------|----------------------------------------------|----------------|----------------|-----------------|----------------------------------------|-----------------------------|------------------------------------------------------|-------------------|-------------------|
|                          |         |    |                    |                                             |       |        |                                              |       |                                              |                | Норм.          | Верхн.<br>откл. | Сталь и<br>алюмин-<br>ийевые<br>сплавы | Чугун,<br>бронза,<br>латунь | 20°                                                  | 15°               | 10°               |
| 2403-3799                | 85 × 5  | 15 | 1                  | —                                           | 75,0  | 10,452 | 75                                           | 74,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | 238925<br>(24360)                                    | 261400<br>(26650) | 281000<br>(28650) |
| 2403-3801                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 66,665         | +0,094          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3802                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 66,722         | +0,187          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3803                | 90 × 5  | 16 | 1                  | —                                           | 80,0  | 10,452 | 80                                           | 79,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | —                                                    | —                 | —                 |
| 2403-3804                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 72,081         | +0,095          |                                        |                             | 263900<br>(26890)                                    | 288610<br>(29420) | 310250<br>(31630) |
| 2403-3805                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 72,138         | +0,188          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3806                | 95 × 5  | 18 | 1                  | —                                           | 90,0  | 10,452 | 85                                           | 84,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | —                                                    | —                 | —                 |
| 2403-3807                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 76,694         | +0,118          |                                        |                             | 272275<br>(27760)                                    | 297900<br>(30370) | 320250<br>(32650) |
| 2403-3808                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 76,766         | +0,235          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3809                | 100 × 5 | 20 | 1                  | —                                           | 100,0 | 10,452 | 90                                           | 89,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | —                                                    | —                 | —                 |
| 2403-3811                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 82,082         | +0,095          |                                        |                             | 289700<br>(29530)                                    | 316950<br>(32310) | 340725<br>(34730) |
| 2403-3812                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 82,140         | +0,188          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3813                | 105 × 5 | 22 | 1                  | —                                           | 110,0 | 10,452 | 95                                           | 94,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | —                                                    | —                 | —                 |
| 2403-3814                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 86,747         | +0,115          |                                        |                             | 309600<br>(31560)                                    | 338740<br>(34530) | 364150<br>(37120) |
| 2403-3815                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 86,816         | +0,229          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3816                | 110 × 5 | 24 | 1                  | —                                           | 120,0 | 10,452 | 100                                          | 99,4  | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | 327525<br>(33390)                                    | 356350<br>(36330) | 385925<br>(39270) |
| 2403-3817                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 92,083         | +0,095          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3818                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 92,141         | +0,189          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3819                | 120 × 5 | 26 | 1                  | —                                           | 130,0 | 10,452 | 110                                          | 109,4 | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | 354225<br>(36110)                                    | 387550<br>(39510) | 416600<br>(42470) |
| 2403-3821                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 102,089        | +0,107          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3822                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 102,154        | +0,211          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3823                | 130 × 5 | 28 | 1                  | —                                           | 140,0 | 10,452 | 120                                          | 119,4 | —                                            | 8,690          | —              | —               | 40—94                                  | 40—110                      | 392350<br>(40000)                                    | 429250<br>(43760) | 461450<br>(47050) |
| 2403-3824                |         |    | 2                  | H7—9H                                       |       |        |                                              |       |                                              |                | 112,090        | +0,107          |                                        |                             | —                                                    | —                 | —                 |
| 2403-3825                |         |    | 1                  | H8—11H                                      |       |        |                                              |       |                                              |                | 112,154        | +0,212          |                                        |                             | —                                                    | —                 | —                 |



4. Наибольшие расчетные усилия протягивания  $P$  указаны для обработки деталей из стали 1—IV групп обрабатываемости по ГОСТ 20365.

Для определения усилия протягивания для закаленных сталей и других материалов следует величину  $P$  умножить на коэффициент  $K$ , указанный в ГОСТ Р 50035.

5. Центровые отверстия формы В, Т или R — по ГОСТ 14034.

6. Хвостовики типа 2 исполнения 1 — по ГОСТ 4044.

Изготовление протяжек с хвостовиком типа 2 исполнений 2, 3 или 4 — по взаимной договоренности потребителя с изготовителем.

Продольные лыски на хвостовиках исполнений 2 и 4 должны располагаться перпендикулярно оси впадины профиля протяжки.

Допуск перпендикулярности на 10 мм ширины лыски не должен превышать 0,015 мм.

Длину лыски на заднем хвостовике указывает потребитель при заказе.

7. Допуск симметричности боковых поверхностей фасочных зубьев относительно боковых поверхностей шлицевых зубьев не должен превышать Т 0,1 мм.

8. Форма и размеры профиля зубьев протяжек, группы заточки, форма передней грани зубьев протяжек — по ГОСТ 20365.

9. Задний угол зубьев протяжек должен быть:

|                       |    |
|-----------------------|----|
| черновых и переходных | 3° |
| чистовых              | 2° |
| калибрующих           | 1° |

10. Пределы длины протягивания заготовок из чугуна, бронзы и латуни — справочные. Для протягивания заготовок из этих материалов с длиной протягивания, превышающей верхний предел длины протягивания по стали, следует применять навертной хвостовик увеличенной длины.

11. Технические требования — по ГОСТ 28442.

## ИНФОРМАЦИОННЫЕ ДАННЫЕ

1. РАЗРАБОТАН И ВНЕСЕН Техническим комитетом стандартизации «ИНСТРУМЕНТ» ТК 95  
РАЗРАБОТЧИКИ:

А. С. Симкин, А. И. Либерман, И. Н. Зазулина, Г. Н. Осипова, А. И. Прехорова

2. УТВЕРЖДЕН И ВВЕДЕН В ДЕЙСТВИЕ Постановлением Госстандарта России от 22.07.92 № 750

3. Срок проверки 1998 г., периодичность проверки 5 лет

4. ВВЕДЕН ВПЕРВЫЕ

5. ССЫЛОЧНЫЕ НОРМАТИВНО-ТЕХНИЧЕСКИЕ ДОКУМЕНТЫ

| Обозначение НТД,<br>на который дана ссылка | Номер пункта  |
|--------------------------------------------|---------------|
| ГОСТ 2475—88                               | 1             |
| ГОСТ 4044—70                               | 6             |
| ГОСТ 6033—80                               | Вводная часть |
| ГОСТ 14034—74                              | 5             |
| ГОСТ 20365—74                              | 4,8           |
| ГОСТ 28048—89                              | 1             |
| ГОСТ 28442—90                              | 11            |
| ГОСТ Р 50035—92                            | 4             |