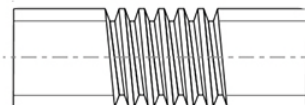
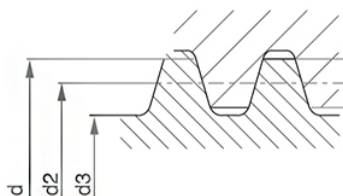


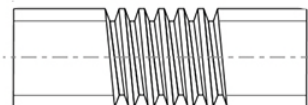
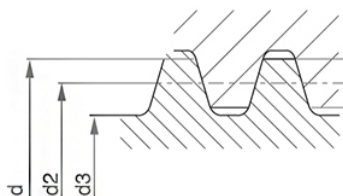
## ТРАПЕЦЕИДАЛЬНЫЕ ВИНТЫ – СЕРИЯ TR



Материал: Сталь 45

| Артикул    | Резьба           |                 | Шаг резьбы | Класс точности | Прямолинейность | Вес   | Максимальная длина |
|------------|------------------|-----------------|------------|----------------|-----------------|-------|--------------------|
|            | D<br>(RH-правая) | G<br>(LH-левая) | мм         | μм/300 мм      | мм / мм         | кг/м  | Lmax               |
| Tr 10 x 2  | D                | G               | 2          | 100            | 0,5 / 1000      | 0,48  | 300                |
| Tr 10 x 3  | D                | G               | 3          | 100            | 0,5 / 1000      | 0,42  | 300                |
| Tr 12 x 3  | D                | G               | 3          | 100            | 0,5 / 1000      | 0,65  | 300                |
| Tr 14 x 3  | D                | G               | 3          | 100            | 0,5 / 1000      | 0,93  | 300                |
| Tr 14 x 4  | D                | G               | 4          | 100            | 0,5 / 1000      | 0,86  | 300                |
| Tr 16 x 4  | D                | G               | 4          | 100            | 0,5 / 1000      | 1,17  | 300                |
| Tr 18 x 4  | D                | G               | 4          | 100            | 0,5 / 1000      | 1,53  | 300                |
| Tr 20 x 4  | D                | G               | 4          | 100            | 0,4 / 2000      | 1,94  | 300                |
| Tr 22 x 5  | D                | G               | 5          | 100            | 0,4 / 2000      | 2,29  | 300                |
| Tr 24 x 5  | D                | G               | 5          | 100            | 0,4 / 2000      | 2,78  | 300                |
| Tr 25 x 3  | D                | G               | 3          | 100            | 0,3 / 2000      | 3,30  | 300                |
| Tr 25 x 5  | D                | G               | 5          | 100            | 0,3 / 2000      | 3,05  | 300                |
| Tr 26 x 5  | D                | G               | 5          | 100            | 0,3 / 2000      | 3,33  | 300                |
| Tr 28 x 5  | D                | G               | 5          | 100            | 0,3 / 2000      | 3,92  | 300                |
| Tr 30 x 3  | D                | G               | 3          | 100            | 0,3 / 3000      | 4,15  | 300                |
| Tr 30 x 4  | D                | G               | 4          | 100            | 0,3 / 3000      | 4,34  | 300                |
| Tr 30 x 5  | D                | G               | 5          | 100            | 0,3 / 3000      | 4,57  | 300                |
| Tr 30 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 4,38  | 300                |
| Tr 32 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 5,06  | 300                |
| Tr 35 x 3  | D                | G               | 3          | 100            | 0,3 / 3000      | 5,51  | 300                |
| Tr 35 x 4  | D                | G               | 4          | 100            | 0,3 / 3000      | 5,93  | 300                |
| Tr 35 x 5  | D                | G               | 5          | 100            | 0,3 / 3000      | 6,40  | 300                |
| Tr 35 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 6,16  | 300                |
| Tr 35 x 8  | D                | G               | 8          | 100            | 0,3 / 3000      | 5,85  | 300                |
| Tr 36 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 6,56  | 300                |
| Tr 40 x 3  | D                | G               | 3          | 100            | 0,3 / 3000      | 7,22  | 300                |
| Tr 40 x 4  | D                | G               | 4          | 100            | 0,3 / 3000      | 7,88  | 300                |
| Tr 40 x 5  | D                | G               | 5          | 100            | 0,3 / 3000      | 8,51  | 300                |
| Tr 40 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 8,26  | 300                |
| Tr 40 x 7  | D                | G               | 7          | 100            | 0,3 / 3000      | 8,03  | 300                |
| Tr 40 x 8  | D                | G               | 8          | 100            | 0,3 / 3000      | 7,90  | 300                |
| Tr 40 x 10 | D                | G               | 10         | 100            | 0,3 / 3000      | 7,49  | 300                |
| Tr 44 x 7  | D                | G               | 7          | 100            | 0,3 / 3000      | 9,90  | 300                |
| Tr 45 x 8  | D                | G               | 8          | 100            | 0,3 / 3000      | 10,23 | 300                |
| Tr 50 x 3  | D                | G               | 3          | 100            | 0,3 / 3000      | 11,41 | 300                |
| Tr 50 x 4  | D                | G               | 4          | 100            | 0,3 / 3000      | 12,57 | 300                |
| Tr 50 x 5  | D                | G               | 5          | 100            | 0,3 / 3000      | 13,70 | 300                |
| Tr 50 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 13,35 | 300                |
| Tr 50 x 8  | D                | G               | 8          | 100            | 0,3 / 3000      | 12,90 | 300                |
| Tr 50 x 10 | D                | G               | 10         | 100            | 0,3 / 3000      | 12,37 | 300                |
| Tr 55 x 9  | D                | G               | 9          | 100            | 0,3 / 3000      | 15,51 | 300                |
| Tr 60 x 6  | D                | G               | 6          | 100            | 0,3 / 3000      | 19,67 | 300                |
| Tr 60 x 7  | D                | G               | 7          | 100            | 0,3 / 3000      | 19,36 | 300                |
| Tr 60 x 9  | D                | G               | 9          | 100            | 0,3 / 3000      | 18,74 | 300                |
| Tr 70 x 10 | D                | G               | 10         | 100            | 0,3 / 3000      | 25,80 | 300                |
| Tr 80 x 10 | D                | G               | 10         | 100            | 0,3 / 3000      | 34,39 | 300                |
| Tr 90 x 12 | D                | G               | 12         | 200            | 0,5 / 3000      | 43,07 | 300                |

## ТРАПЕЦЕИДАЛЬНЫЕ ВИНТЫ – СЕРИЯ TR



Материал: Сталь 45

| Артикул    | Внешний диаметр,<br>мм допуск h4 |        | Средний диаметр,<br>мм, допуск e7 |        | Внутренний диаметр,<br>мм допуск h7 |        | Угол подъема<br>резьбы | Коэффициент полезного<br>действия (КПД), η |       | Размер контакта<br>винт-гайка<br>радиальный | Момент<br>инерции |
|------------|----------------------------------|--------|-----------------------------------|--------|-------------------------------------|--------|------------------------|--------------------------------------------|-------|---------------------------------------------|-------------------|
|            | d1 max                           | d1 min | d2 max                            | d2 min | d3 max                              | d3 min | Нереверсивность        | f=0,1                                      | f=0,2 | H 1, мм                                     | I, мм 4           |
| Tr 10 x 2  | 10,0                             | 9,820  | 8,929                             | 8,739  | 7,500                               | 7,191  | 4°02'                  | 0,410                                      | 0,260 | 1,000                                       | 131               |
| Tr 10 x 3  | 10,0                             | 9,764  | 8,415                             | 8,203  | 6,500                               | 6,150  | 6°25'                  | 0,520                                      | 0,350 | 1,500                                       | 70                |
| Tr 12 x 3  | 12,0                             | 11,764 | 10,415                            | 10,191 | 8,500                               | 8,135  | 5°12'                  | 0,470                                      | 0,310 | 1,500                                       | 215               |
| Tr 14 x 3  | 14,0                             | 13,764 | 12,415                            | 12,191 | 10,500                              | 10,135 | 4°22'                  | 0,430                                      | 0,270 | 1,500                                       | 518               |
| Tr 14 x 4  | 14,0                             | 13,700 | 11,905                            | 11,640 | 9,500                               | 9,074  | 6°03'                  | 0,510                                      | 0,340 | 2,000                                       | 333               |
| Tr 16 x 4  | 16,0                             | 15,700 | 13,905                            | 13,640 | 11,500                              | 11,074 | 5°12'                  | 0,470                                      | 0,310 | 2,000                                       | 738               |
| Tr 18 x 4  | 18,0                             | 17,700 | 15,905                            | 15,640 | 13,500                              | 13,074 | 4°33'                  | 0,440                                      | 0,280 | 2,000                                       | 1434              |
| Tr 20 x 4  | 20,0                             | 19,700 | 17,905                            | 17,640 | 15,500                              | 15,074 | 4°03'                  | 0,410                                      | 0,260 | 2,000                                       | 2534              |
| Tr 22 x 5  | 22,0                             | 21,665 | 19,394                            | 19,114 | 16,500                              | 16,044 | 4°40'                  | 0,450                                      | 0,280 | 2,500                                       | 3232              |
| Tr 24 x 5  | 24,0                             | 23,665 | 21,394                            | 21,094 | 18,500                              | 18,019 | 4°14'                  | 0,420                                      | 0,270 | 2,500                                       | 5175              |
| Tr 25 x 3  | 25,0                             | 24,764 | 23,415                            | 23,165 | 21,500                              | 21,103 | 2°20'                  | 0,290                                      | 0,170 | 1,500                                       | 9735              |
| Tr 25 x 5  | 25,0                             | 24,665 | 22,394                            | 22,094 | 19,500                              | 19,019 | 4°03'                  | 0,410                                      | 0,260 | 2,500                                       | 6423              |
| Tr 26 x 5  | 26,0                             | 25,665 | 23,394                            | 23,094 | 20,500                              | 20,019 | 3°52'                  | 0,400                                      | 0,250 | 2,500                                       | 7884              |
| Tr 28 x 5  | 28,0                             | 27,665 | 25,394                            | 25,094 | 22,500                              | 22,019 | 3°34'                  | 0,380                                      | 0,230 | 2,500                                       | 11539             |
| Tr 30 x 3  | 30,0                             | 29,764 | 28,415                            | 28,165 | 26,500                              | 26,103 | 1°55'                  | 0,250                                      | 0,140 | 1,500                                       | 22900             |
| Tr 30 x 4  | 30,0                             | 29,700 | 27,905                            | 27,640 | 25,500                              | 25,074 | 2°36'                  | 0,310                                      | 0,180 | 2,000                                       | 19400             |
| Tr 30 x 5  | 30,0                             | 29,665 | 27,394                            | 27,094 | 24,500                              | 24,019 | 3°19'                  | 0,360                                      | 0,220 | 2,500                                       | 16340             |
| Tr 30 x 6  | 30,0                             | 29,625 | 26,882                            | 26,547 | 23,000                              | 22,463 | 4°03'                  | 0,410                                      | 0,260 | 3,000                                       | 13650             |
| Tr 32 x 6  | 32,0                             | 31,625 | 28,882                            | 28,547 | 25,000                              | 24,463 | 3°46'                  | 0,390                                      | 0,240 | 3,000                                       | 17580             |
| Tr 35 x 3  | 35,0                             | 34,764 | 33,415                            | 33,165 | 31,500                              | 31,103 | 1°38'                  | 0,220                                      | 0,120 | 1,500                                       | 46128             |
| Tr 35 x 4  | 35,0                             | 34,700 | 32,905                            | 32,640 | 30,500                              | 30,074 | 2°13'                  | 0,280                                      | 0,160 | 2,000                                       | 40150             |
| Tr 35 x 5  | 35,0                             | 34,665 | 32,394                            | 32,094 | 29,500                              | 29,019 | 2°48'                  | 0,330                                      | 0,190 | 2,500                                       | 34810             |
| Tr 35 x 6  | 35,0                             | 34,625 | 31,882                            | 31,547 | 28,000                              | 27,463 | 3°25'                  | 0,370                                      | 0,230 | 3,000                                       | 30000             |
| Tr 35 x 8  | 35,0                             | 34,550 | 30,868                            | 30,493 | 26,000                              | 25,399 | 4°42'                  | 0,450                                      | 0,290 | 4,000                                       | 21980             |
| Tr 36 x 6  | 36,0                             | 35,625 | 32,882                            | 32,547 | 29,000                              | 28,463 | 3°19'                  | 0,360                                      | 0,220 | 3,000                                       | 34540             |
| Tr 40 x 3  | 40,0                             | 39,764 | 38,415                            | 38,165 | 36,500                              | 36,103 | 1°25'                  | 0,200                                      | 0,110 | 1,500                                       | 83395             |
| Tr 40 x 4  | 40,0                             | 39,700 | 37,905                            | 37,640 | 35,500                              | 35,074 | 1°55'                  | 0,250                                      | 0,140 | 2,000                                       | 74290             |
| Tr 40 x 5  | 40,0                             | 39,665 | 37,394                            | 37,094 | 34,500                              | 34,019 | 2°26'                  | 0,300                                      | 0,170 | 2,500                                       | 65740             |
| Tr 40 x 6  | 40,0                             | 39,625 | 36,882                            | 36,547 | 33,000                              | 32,463 | 2°57'                  | 0,340                                      | 0,200 | 3,000                                       | 57950             |
| Tr 40 x 7  | 40,0                             | 39,575 | 36,375                            | 36,020 | 32,000                              | 31,431 | 3°30'                  | 0,380                                      | 0,230 | 3,500                                       | 51030             |
| Tr 40 x 8  | 40,0                             | 39,550 | 35,868                            | 35,493 | 31,000                              | 30,399 | 4°03'                  | 0,410                                      | 0,260 | 4,000                                       | 44560             |
| Tr 40 x 10 | 40,0                             | 39,470 | 34,850                            | 34,450 | 29,000                              | 28,350 | 5°12'                  | 0,470                                      | 0,310 | 5,000                                       | 31700             |
| Tr 44 x 7  | 44,0                             | 43,575 | 40,375                            | 40,020 | 36,000                              | 35,431 | 3°09'                  | 0,350                                      | 0,210 | 3,500                                       | 81820             |
| Tr 45 x 8  | 45,0                             | 44,550 | 40,868                            | 40,493 | 36,000                              | 35,399 | 3°33'                  | 0,380                                      | 0,230 | 4,000                                       | 81245             |
| Tr 50 x 3  | 50,0                             | 49,764 | 48,415                            | 48,150 | 46,500                              | 46,084 | 1°08'                  | 0,160                                      | 0,090 | 1,500                                       | 121400            |
| Tr 50 x 4  | 50,0                             | 49,700 | 47,905                            | 47,605 | 45,500                              | 45,074 | 1°31'                  | 0,210                                      | 0,120 | 2,000                                       | 202600            |
| Tr 50 x 5  | 50,0                             | 49,665 | 47,394                            | 47,094 | 44,500                              | 44,019 | 1°55'                  | 0,250                                      | 0,140 | 2,500                                       | 184300            |
| Tr 50 x 6  | 50,0                             | 49,625 | 46,882                            | 46,547 | 43,000                              | 42,463 | 2°20'                  | 0,290                                      | 0,170 | 3,000                                       | 167240            |
| Tr 50 x 8  | 50,0                             | 49,550 | 45,868                            | 45,468 | 41,000                              | 40,368 | 3°10'                  | 0,350                                      | 0,210 | 4,000                                       | 136930            |
| Tr 50 x 10 | 50,0                             | 49,470 | 44,850                            | 44,425 | 39,000                              | 38,319 | 4°03'                  | 0,410                                      | 0,260 | 5,000                                       | 105834            |
| Tr 55 x 9  | 55,0                             | 54,500 | 50,360                            | 49,935 | 45,000                              | 44,329 | 3°15'                  | 0,360                                      | 0,220 | 4,500                                       | 189550            |
| Tr 60 x 6  | 60,0                             | 59,625 | 56,882                            | 56,547 | 53,000                              | 52,463 | 1°55'                  | 0,250                                      | 0,140 | 3,000                                       | 386240            |
| Tr 60 x 7  | 60,0                             | 59,575 | 56,375                            | 56,020 | 52,000                              | 51,431 | 2°16'                  | 0,280                                      | 0,160 | 3,500                                       | 343450            |
| Tr 60 x 9  | 60,0                             | 59,500 | 55,360                            | 54,935 | 50,000                              | 49,329 | 2°57'                  | 0,340                                      | 0,200 | 4,500                                       | 302600            |
| Tr 70 x 10 | 70,0                             | 69,470 | 64,850                            | 64,425 | 59,000                              | 58,319 | 2°48'                  | 0,330                                      | 0,190 | 5,000                                       | 587540            |
| Tr 80 x 10 | 80,0                             | 79,470 | 74,850                            | 74,425 | 69,000                              | 68,319 | 2°26'                  | 0,300                                      | 0,170 | 5,000                                       | 1069390           |
| Tr 90 x 12 | 90,0                             | 89,400 | 83,830                            | 83,335 | 77,000                              | 76,246 | 2°36'                  | 0,310                                      | 0,180 | 6,000                                       | 1658969           |