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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **ГОСТ 11371-78 : ШАЙБЫ**http://www.metiz.net/files/catalog_images/11371.png?0 **мм**

|  |  |  |  |
| --- | --- | --- | --- |
| Диаметр резьбы крепежной детали | *d1* | *d2* | *s* |
| Класс точности |
| 1 | 2 |
| 1,0 | 1,2 | 1,1 | 3,5 | 0,3 |
| 1,2 | 1,4 | 1,3 | 4,0 |
| 1,4 | 1,6 | 1,5 |
| 1,6 | 1,8 | 1,7 |
| 2,0 | 2,4 | 2,2 | 5,0 |
| 2,5 | 2,9 | 2,7 | 6,5 | 0,5 |
| 3,0 | 3,4 | 3,2 | 7,0 |
| 3,5 | - | 3,7 | 8,0 |
| 4,0 | 4,5 | 4,3 | 9,0 | 0,8 |
| 5,0 | 5,5 | 5,3 | 10,0 | 1,0 |
| 6,0 | 6,6 | 6,4 | 12,0 | 1,6 |
| 8,0 | 9,0 | 8,4 | 16,0 |
| 10,0 | 11,0 | 10,5 | 20,0 | 2,0 |
| 12,0 | 13,5 | 13,0 | 24,0 | 2,5 |
| 14,0 | 15,5 | 15,0 | 28,0 |
| 16,0 | 17,5 | 17,0 | 30,0 | 3,0 |
| 18,0 | 20,0 | 19,0 | 34,0 |
| 20,0 | 22,0 | 21,0 | 37,0 |
| 22,0 | 24,0 | 23,0 | 39,0 |
| 24,0 | 26,0 | 25,0 | 44,0 | 4,0 |
| 27,0 | 30,0 | 28,0 | 50,0 |
| 30,0 | 33,0 | 31,0 | 56,0 |
| 33,0 | - | 34,0 | 60,0 | 5,0 |
| 36,0 | 39,0 | 37,0 | 66,0 |
| 39,0 | - | 40,0 | 72,0 | 6,0 |
| 42,0 | 45,0 | 43,0 | 78,0 | 7,0 |
| 48,0 | 52,0 | 50,0 | 92,0 | 8,0 |

 Примеры условного обозначения шайбы исполнения 1 класса точности А для крепежной детали с диаметром 12 мм с толщиной, установленной в стандарте, из стали марки 08кп, с цинковым покрытием толщиной 6 мкм хроматированным: *Шайба А 12.01.08кп.016 ГОСТ 11371-78* То же, исполнения 2: *Шайба 2.12.01.08кп.016 ГОСТ 11371-78.* **Масса стальных шайб**

|  |  |
| --- | --- |
| Диаметр резьбы крепежной детали, мм | Теоретическая масса 1000 шт., кг, для исполнений |
| 1 | 2 |
| Класс точности |
| С | А |
| 1,0 | 0,020 | 0,020 | - |
| 1,2 | 0,026 | 0,026 | - |
| 1,4 | 0,025 | 0,025 | - |
| 1,6 | 0,024 | 0,024 | - |
| 2,0 | 0,036 | 0,037 | - |
| 2,5 | 0,085 | 0,088 | - |
| 3,0 | 0,115 | 0,119 | - |
| 3,5 | - | 0,155 | - |
| 4,0 | 0,299 | 0,308 | - |
| 5,0 | 0,430 | 0,443 | 0,413 |
| 6,0 | 0,990 | 1,016 | 0,925 |
| 8,0 | 1,725 | 1,828 | 1,706 |
| 10,0 | 3,438 | 3,571 | 3,333 |
| 12,0 | 6,066 | 6,270 | 5,824 |
| 14,0 | 8,377 | 8,612 | 8,089 |
| 16,0 | 10,976 | 11,295 | 10,491 |
| 18,0 | 13,976 | 14,697 | 13,782 |
| 20,0 | 16,361 | 17,156 | 16,157 |
| 22,0 | 17,470 | 18,339 | 17,285 |
| 24,0 | 31,058 | 32,315 | 30,211 |
| 27,0 | 39,438 | 42,298 | 39,898 |
| 30,0 | 50,456 | 53,612 | 50,917 |
| 33,0 | - | 75,303 | 70,809 |
| 36,0 | 87,350 | 92,033 | 87,078 |
| 39,0 | - | 132,513 | 124,748 |
| 42,0 | 175,088 | 182,680 | 171,256 |
| 48,0 | 283,956 | 294,013 | 276,397 |

 Примечание. *Для определения массы шайб, изготовленных из других материалов, значения массы, указанные в таблице, должны быть умножены на коэффициент:**0,35 -для алюминиевого сплава;**0,97 - для бронзы;**1,08 - для латуни;**1,13 - для меди.*   |