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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ГОСТ 5915-70 : ГАЙКИ ШЕСТИГРАННЫЕ КЛАССА ТОЧНОСТИ В**  ГОСТ 5915-70 : ГАЙКИ ШЕСТИГРАННЫЕ КЛАССА ТОЧНОСТИ В  **мм**     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Номинальный размер резьбы d | | 1,6 | 2 | 2,5 | 3 | (3,5) | 4 | 5 | 6 | 8 | 10 | 12 | (14) | 16 | (18) | 20 | (22) | 24 | (27) | 30 | 36 | 42 | 48 | | Шаг | Крупный | 0,35 | 0,40 | 0,45 | 0,50 | 0,60 | 0,70 | 0,80 | 1 | 1,25 | 1,5 | 1,75 | 2 | 2 | 2,5 | 2,5 | 2,5 | 3 | 3 | 3,5 | 4 | 4,5 | 5 | | резьбы | Мелкий | - | - | - | - | - | - | - | - | 1 | 1,25 | 1,25 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 2 | 2 | 2 | 3 | 3 | 3 | | Размер «под ключ» S | | 3,2 | 4,0 | 5,0 | 5,5 | 6 | 7 | 8 | 10 | 13 | 16 | 18 | 21 | 24 | 27 | 30 | 34 | 36 | 41 | 46 | 55 | 65 | 75 | | Диаметр описанной окружности е, не менее | | 3,3 | 4,2 | 5,3 | 5,9 | 6,4 | 7,5 | 8,6 | 10,9 | 14,2 | 17,6 | 19,9 | 22,8 | 26,2 | 29,6 | 33,0 | 37,3 | 39,6 | 45,2 | 50­,9 | 60,8 | 71,3 | 82,6 | | da | не менее | 1,6 | 2 | 2,5 | 3 | 3,5 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 | 18 | 20 | 22 | 24 | 27 | 30 | 36 | 42 | 48 | |  | не более | 1,84 | 2,30 | 2,9 | 3,45 | 4,00 | 4,60 | 5,75 | 6,75 | 8,75 | 10,8 | 13,0 | 15,1 | 17,3 | 19,4 | 21,6 | 23,8 | 25,9 | 29,2 | 32,4 | 38,9 | 45,4 | 51,8 | | dw, не менее | | 2,9 | 3,6 | 4,5 | 5,0 | 5,4 | 6,3 | 7,2 | 9,0 | 11,7 | 14,5 | 16,5 | 19,2 | 22,0 | 24,8 | 27,7 | 31,4 | 33,2 | 38,0 | 42,7 | 51,1 | 59,9 | 69,4 | | hw | не более | 0,2 | 0,2 | 0,3 | 0,4 | 0,4 | 0,4 | 0,5 | 0,5 | 0,6 | 0,6 | 0,6 | 0,6 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | 0,8 | |  | не менее | 0,10 | 0,10 | 0,10 | 0,15 | 0,15 | 0,15 | 0,15 | 0,15 | 0,15 | 0,15 | 0,15 | 0,15 | 0,20 | 0,20 | 0,20 | 0,20 | 0,20 | 0,20 | 0,20 | 0,20 | 0,25 | 0,25 | | Высота m | | 1,3 | 1,6 | 2,0 | 2,4 | 2,8 | 3,2 | 4,7 | 5,2 | 6,8 | 8,4 | 10,8 | 12,8 | 14,8 | 16,4 | 18 | 19,8 | 21,5 | 23,6 | 25,6 | 31 | 34 | 38 |     Примечания:  *1. Размеры гаек заключенные в скобки применять не рекомендуется.*  *2. Допускается изготовление гаек с номинальной высотой m не менее 0,8 и предельными отклонениями по ГОСТ 1759.1-82 при условии соблюдения требований ГОСТ 1759.5-87.*  Пример условного обозначения гайки исполнения 1 диаметром резьбы d=12 мм с размером «под ключ» S = 18 мм с крупным шагом резьбы с полем допуска 6Н класса прочности 5 без покрытия:    *Гайка М12-6Н.5 (S18) ГОСТ 5915-70*    То же исполнения 2 с размером «под ключ» S = 19 мм с мелким шагом резьбы с полем допуска 6Н класса прочности 12 из стали марки 40Х с покрытием 01 толщиной 6 мкм:    *Гайка 2М12х1,25-6Н.12.40Х.016 ГОСТ 5915-70*    Резьба по ГОСТ 24705-81.  Не установленные настоящим стандартом допуски размеров отклонений формы и расположения поверхностей и методы контроля - по ГОСТ 1759.1-82.  Допустимые дефекты поверхностей гаек и методы контроля - по ГОСТ 1759.3-83.  Технические требования - по ГОСТ 1759.0-87.    **Масса стальных гаек (исполнение 1) с крупным шагом резьбы**     |  |  | | --- | --- | | Номинальный диаметр резьбы d, мм | Теоретическая маса 1000 шт. гаек, кг | | 1,6 | 0,074 | | 2 | 0,141 | | 2,5 | 0,272 | | 3 | 0,377 | | 3,5 | 0,497 | | 4 | 0,800 | | 5 | 1,440 | | 6 | 2,573 | | 8 | 5,548 | | 10 | 10,220 | | 12 | 15,670 | | 14 | 25,330 | | 16 | 37,610 | | 18 | 53,270 | | 20 | 71,440 | | 22 | 103,150 | | 24 | 122,870 | | 27 | 175,280 | | 30 | 242,540 | | 36 | 416,780 | | 42 | 623,880 | | 48 | 956,200 |     Для определения массы гаек из других материалов величины массы указанные в таблице следует умножить на коэффициенты:  *0,356 - для алюминиевого сплава*  *1,080 - для латуни.* |