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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ГОСТ 5916-70 : ГАЙКИ ШЕСТИГРАННЫЕ НИЗКИЕ КЛАССА ТОЧНОСТИ В**http://www.metiz.net/files/catalog_images/5916.png?0 **мм**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Номинальный диаметр резьбы d | (1) | (1,4) | 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 резьбы | крупный | 0,25 | 0,3 | 0,35 | 0,4 | 0,45 | 0,5 | 0,6 | 0,7 | 0,8 | 1 | 1,25 | 1,5 | 1,75 | 2 | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 |
| мелкий | - | 1 | 1,25 | 1,5 | 2 | 3 |
| Размер «под ключ» S | 3,2 | 4 | 5 | 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 |
| dа | не менее | 1,0 | 1,4 | 1,6 | 2 | 2,5 | 3,0 | 3,5 | 4,0 | 5,0 | 6,0 | 8,0 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 27 | 30 | 36 | 42 | 48 |
| не более | 1,15 | 1,61 | 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 |
| Высота т(h14 для d £ 12; h15 для М12 < d £ М18; h16 для d > M18) | 0,8 | 1,0 | 1,2 | 1,6 | 1,8 | 2,0 | 2,2 | 2,7 | 3,2 | 4,0 | 5,0 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,5 | 15,0 | 18,0 | 21,0 | 24,0 |

 Примечания:*1. Размеры гаек, заключенные в скобки, применять не рекомендуется.**2. Предельные отклонения высоты гаек M1-М6, изготавливаемых вырубкой, - по соответствующим стандартам на материал.*Пример условного обозначения гайки исполнения 1 с диаметром резьбы d = 12 мм, с размером «под ключ» S = 18 мм, с крупным шагом резьбы с полем допуска 6Н, класса прочности 04, без покрытия: *Гайка М12-6Н.04 (S18) ГОСТ 5916-70* То же, исполнения 2, с размером «под ключ» S = 19 мм, с мелким шагом резьбы с полем допуска 6Н, класса прочности 05, из стали марки 40Х, с покрытием 01 толщиной 6 мкм: *Гайка 2М12х1,25-6Н.05.40Х.016 ГОСТ 5916-70* **Масса стальных гаек (исполнение 1) с крупным шагом резьбы**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Номинальный диаметр резьбы d, мм | Теоретическая масса 1000 шт. гаек, кг » | Номинальный диаметр резьбы d, мм | Теоретическая масса 1000 шт. гаек, кг » | Номинальный диаметр резьбы d, мм | Теоретическая масса 1000 шт. гаек, кг » |
| 1 | 0,037 | 5 | 0,656 | 20 | 35,53 |
| 1,4 | 0,038 | 6 | 1,254 | 22 | 50,01 |
| 1,6 | 0,057 | 8 | 2,667 | 24 | 59,79 |
| 2 | 0,074 | 10 | 5,020 | 27 | 88,06 |
| 2,5 | 0,163 | 12 | 6,840 | 30 | 127,15 |
| 3 | 0,218 | 14 | 11,67 | 36 | 216,99 |
| 3,5 | 0,276 | 16 | 17,68 | 42 | 360,63 |
| 4 | 0,431 | 18 | 25,98 | 48 | 558,12 |

 *Для определения массы гаек из других материалов значения массы, указанные в таблице, следует умножить на коэффициенты: 0,356 - для алюминиевого сплава; 1,080 - для латуни.*   |