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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ГОСТ 17473-80 : ВИНТЫ С ПОЛУКРУГЛОЙ ГОЛОВКОЙ КЛАССОВ ТОЧНОСТИ А И В**    http://www.metiz.net/files/catalog_images/17473-80_1.jpg?1239380095  http://www.metiz.net/files/catalog_photo/17473-80_2.jpg?1239380099  Настоящий стандарт распространяется на винты с полу­круглой головкой классов точности А и В с номинальным диа­метром резьбы от 1 до 20 мм.     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Номинальный диаметр резьбы d | | 1 | 1,2 | 1.4 | 1,6 | 2 | 2,5 | 3 | 3,5 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | | Шаг резьбы P | крупный | 0,25 | 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 | 2,5 | 2,5 | | мелкий | — | — | — | — | — | — | — | — | — | — | — | 1 | 1,25 | 1,25 | 1,5 | 1,5 | 1,5 | 1,5 | | Диаметр головки D | | 2 | 2,3 | 2,6 | 3,0 | 3,8 | 4,5 | 5,5 | 6,0 | 7,0 | 8,5 | 10 | 13 | 16 | 18 | 21 | 24 | 27 | 30 | | Высота головки k | | 0,7 | 0,8 | 0,95 | 1,1 | 1,4 | 1,7 | 2,1 | 2,4 | 2,8 | 3,5 | 4,2 | 5,6 | 7 | 8 | 9,5 | 11 | 12 | 14 | | Радиус сферы головки R1 | | 1,1 | 1,3 | 1,4 | 1,6 | 2,0 | 2,4 | 2,9 | 3,1 | 3,6 | 4,4 | 5,1 | 6,6 | 8,1 | 9,1 | 10,6 | 12,1 | 13,6 | 15,1 | | Номер крестообразного шлица | | — | — | — | — | 0 | 1 | | 2 | | | 3 | | 4 | | — | — | — | — | | Диаметр крестообразного шлица m | | \_ | \_ | \_ | \_ | 2 | 2,6 | 3 | 4,1 | 4,6 | 5,2 | 7 | 8,2 | 10,6 | 11,8 | — | — | — | — | | Глубина крестообразного шлица h, не более | | \_ | \_ | \_ | \_ | 1,2 | 1,3 | 1,7 | 1,8 | 2,2 | 2,8 | 3,2 | 4,6 | 5,6 | 6,8 | — | — | — | — | | Глубина вхож­дения калибра в  крестообразный шлиц | не более | — | — | — | — | 1,3 | 1,4 | 1,8 | 2,2 | 2,5 | 3,1 | 3,7 | 5,1 | 6,3 | 7,6 | — | — | — | — | | не менее | — | — | — | — | 1,0 | 1,1 | 1,5 | 1,7 | 2,0 | 2,6 | 3,2 | 4,6 | 5,8 | 7,1 | — | — | — | — | | Длина резьбы b | удлинен­ная | — | — | — | — | 16 | 18 | 19 | 20 | 22 | 25 | 28 | 34 | 40 | 46 | 52 | 58 | 64 | 70 | | нормаль­ная | 8 | 9 | 9 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 18 | 22 | 26 | 30 | 34 | 38 | 42 | 46 |       Пример условного обозначения винта с полукруг­лой головкой, класса точности А, исполнения 1, диаметром резьбы d=8 мм, с крупным шагом резьбы, с полем допуска резь­бы 6g, длиной l — 50 мм, нормальной длиной резьбы b = 22 мм, класса прочности 4.8, без покрытия:    Винт A.M8 — 6gx50A8 ГОСТ 17473—80    То же, класса точности В, исполнения 2, с мелким шагом резь­бы, удлиненной длиной резьбы b=34 мм, с цинковым покрытием толщиной 6 мкм, хроматированным:    Винт В2.М8Х 1 — 6gX50 — 34.48.016 ГОСТ 17473—80       |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Длина  винта  l,  мм | Масса 1000 шт. стальных винтов с крупным шагом резьбы | | | | | | | | | 1 | 1,2 | 1,4 | 1,6 | 2 | 2,5 | 3 | 3,5 | | 2  2,5  3  3,5  4  5  6  7  8  9  10  11  12  13  14  16  18  20  22  25  28  30  32  35  38  40  42  45  48  50  55  60  65  70  75  80  85  90  95  100  110  120 | 0,018  0,020  0,022  0,025  0,027  0,031  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | 0,028  0,031  0,034  0,038  0,041  0,048  0,054  0,061  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | 0,040  0,044  0,049  0,053  0,058  0,067  0,076  0,085  0,094  0,103  0,112  0,121  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | 0,056  0,062  0,067  0,073  0,079  0,090  0,101  0,112  0,123  0,135  0,146  0,157  0,168  0,180  0,191  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  0,112  0,121  0,130  0,139  0,157  0,175  0,193  0,211  0,229  0,247  0,265  0,283  0,301  0,319  0,355  0,391  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  -  0,202  0,217  0,232  0,261  0,290  0,320  0,349  0,378  0,407  0,437  0,466  0,495  0,525  0,583  0,642  0,701  0,759  0,847  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  -  0,344  0,365  0,387  0,430  0,474  0,517  0,560  0,604  0,647  0,690  0,734  0,777  0,820  0,907  0,994  1,080  1,167  1,297  1,427  1,514  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  -  -  -  0,527  0,585  0,644  0,702  0,761  0,819  0,878  0,936  0,995  1,053  1,112  1,229  1,346  1,463  1,580  1,756  1,931  2,048  2,166  2,341  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - |          |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | кг при номинальном диаметре резьбы d.  мм | | | | | | | | | | | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | | -  -  -  -  0,763  0,840  0,916  0,993  1,069  1,146  1,222  1,299  1,375  1,451  1.528  1,681  1,834  1,987  2,139  2,369  2,598  2,751  2,904  3,133  3,363  3,516  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  -  -  -  -  -  1,580  1,702  1,824  1,946  2,068  2,191  2,313  2,435  2,557  2,802  3,046  3,290  3,535  3,901  4,268  4,512  4,756  5,123  5,490  5,734  5,978  6,345  6,711  6,956  -  -  -  -  -  -  -  -  -  -  -  - | -  -  -  -  -  -  -  2,643  2,818  2,993  3,167  3,342  3,516  3,691  3,866  4,215  4,564  4,914  5,263  5,787  6,311  6,660  7,009  7,533  8,057  8,407  8,755  9,280  9,803  10,152  11,025  11,899  -  -  -  -  -  -  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  7,003  7,318  7,634  8,264  8,896  9,526  10,157  11,104  12,050  12,681  13,311  14,258  15,204  15,835  16,465  17,412  18,358  18,989  20,566  22,143  23,720  25,297  -  -  -  -  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  15,19  16,19  17,19  18,68  20,18  21,18  22,17  23,67  25,16  26,16  27,16  28,66  30,15  31,15  33,64  36,13  38,63  41,12  -  -  -  -  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  25,02  27,20  29,37  30,82  32,26  34,43  36,60  38,05  39,50  41,67  43,84  45,29  48,91  52,52  56,14  59,76  63,38  67,00  70,61  -  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  39,96  42,93  44,91  46,89  49,85  52,82  54,80  56,78  59,74  62,71  64,68  69,63  74,58  79,52  84,47  89,42  94,35  99,30  104,24  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  62,77  65,42  69,40  73,38  76,03  78,68  82,66  86,64  89,29  95,92  102,55  109,19  115,81  122,44  129,07  135,70  142,34  148,96  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  89,3  94,2  97,5  100,8  105,8  110,7  114,0  122,2  130,5  138,7  146,9  155,2  163,4  171,6  179,9  188,1  196,4  212,8  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  129,4  133,6  139,8  146,0  150,2  160,5  170,9  181,3  191,7  202,1  212,4  222,8  233,2  243,6  253,9  274,7  295,4 |     Для определения массы винтов из алюминиевого сплава значения масс, указанные в таблице,  необходимо  умножить на коэффициент 0,356, из латуни – на 1,08 |