|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ГОСТ 17475-80 : ВИНТЫ С ПОТАЙНОЙ ГОЛОВКОЙ КЛАССОВ ТОЧНОСТИ А И В**http://www.metiz.net/files/catalog_images/17475-80.jpg?1239380575Настоящий стандарт распространяется на винты с потай­ной 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 Р | 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 | 1,9 | 2,3 | 2,6 | 3,0 | 3,8 | 4,7 | 5,6 | 6,5 | 7,4 | 9,2 | 11,0 | 14,5 | 18,0 | 21,5 | 25 | 28,5 | 32,5 | 36,0 |
| Высота головки k, не более | 0,6 | 0,72 | 0,84 | 0,96 | 1,2 | 1,5 | 1,65 | 1,93 | 2,2 | 2,5 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Номер крестообразного шли­ца | — | — | — | — | 0 | 1 | 2 | 3 | 4 | — | — | — | — |
| Диаметр крестообразного шлица m | — | — | — | — | 2 | 2,7 | 2,8 | 4,0 | 4,3 | 4,6 | 6,5 | 7,5 | 9,7 | 10,7 | — | — | — | — |
| Глубина крестообразного шлица h, не более | — | — | — | — | 1,1 | 1,4 | 1,5 | 1,7 | 2,0 | 2,3 | 2,7 | 3,7 | 4,6 | 5,6 | — | — | — | — |
| Глубина вхождения калибра в крестообразный шлиц | не более | — | — | — | — | 1,2 | 1,55 | 1,7 | 2,0 | 2,3 | 2,6 | 3,3 | 4,3 | 5,4 | 6,4 | — | — | — | — |
| не менее | — | — | — | — | 0,9 | 1,25 | 1,4 | 1,5 | 1,8 | 2,1 | 2,8 | 3,8 | 4,9 | 5,9 | — | — | — | — |
| Длина резьбы | 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 потайной 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—6gX50.48 ГОСТ 17475—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 B2M8xl—6gx50—34.48.016 ГОСТ 17475—80.

|  |  |
| --- | --- |
| Длина винта l, мм | Масса 1000 шт. стальных винтов с крупным шагом резьбы, кг |
| 1 | 1,2 | 1,4 | 1,6 | 2 | 2,5 | 3 | 3,5 | 4 |
| 233,54567891011121314161820222528303235384042454850556065707580859095100110120 | 0,0130,0180,0200,0220,0260,0310,0350,0390,0440,048------------------------------- | 0,0210,0280,0310,0340,0410,0480,0540,0610,0680,0740,0810,088----------------------------- | -0,0390,0430,0480,0570,0660,0750,0840,0930,1020,1110,120----------------------------- | -0,0520,0580,0630,0750,0860,0970,1080,1200,1310,1420,1530,1650,1760,198-------------------------- | -0,0910,1000,1090,1270,1450,1630,1810,1990,2170,2350,2530,2710,2890,3250,3610,394------------------------ | --0,1710,1860,2150,2450,2740,3030,3330,3620,3910,4210,4500,4790,5380,5970,6650,7140,802---------------------- | --0,2540,2760,3190,3620,4060,4490,4920,5360,5790,6220,6660,7090,7960,8820,9691,0561,1861,3151,402-------------------- | ----0,4610,5190,5760,6350,6930,7520,8100,8690,9270,9861,1031,2201,3371,4541,6301,8051,9222,0392,215------------------ | ----0,6240,7010,7770,8540,9301,0071,0831,1591,2361,3121,4651,6181,7711,9242,1532,3832,5362,6892,9183,1473,300---------------- |

|  |
| --- |
| при номинальном диаметре резьбы d, мм |
| 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| -----1,1471,2691,3911,5131,6361,7581,8802,0022,1242,3692,6132,8573,1023,4683,8354,0794,3244,6905,0575,3015,5465,9126,2796,523------------ | -------2,0912,2712,4452,6202,7942,9693,1443,4933,8424,1914,5415,0645,5885,9386,2876,8117,3357,684'8,0348,5579,0829,43010,30411,177---------- | ---------4.7705,0855,4005,7166,0316,6627,2937,9248,5559,50110,44711,07911,70912,55613,60214,23314,86415,81016,75617,38718,96420,54122,11823,69525,27226,849------ | -----------9,059,5510,0511,0612,0513,0514,0515,5417,0418,0419,0320,5322,0223,0224,0225,5227,0128,0130,5033,0035,4937,9840,4742,9745,4647,9550,4552,94-- | --------------16,8018,9721,1421,1423,3125,4926,9328,3830,5532,7234,1735,6237,7939,9641,4145,0348,6452,2655,8859,5063,1266,7370,3573,9777,59-- | ------------------33,1736,1338,1140,0943,0646,0248,0049,9952,9455,9157,8962,8367,7872,7277,6782,6187,5692,5097,44102,39107,33-- | --------------------51,6754,3258,3062,2764,9367,5871,5675,5378,1984,8291,4598,08104,71111,34117,97124,60131,23137,85144,49-- | ----------------------75,8980,8384,1387,4292,3697,31100,60108,84117,08125,31133,55141,78150,01158,26166,49174,73182,97199,44- | ------------------------106,9111,0117,3123,5127,6138,0148,4158,8169,1179,5189,9200,3210,7221,0231,4252,2272,9 |

 Примечание. Для определения массы винтов из алюминиевого сплава величины масс, указанные в таблице, следует умножить на коэффициент 0,356, из латуни на 1,08. |