

Slotted Pan Head Screws

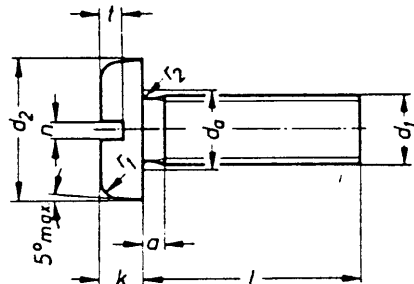
DIN
85

Flachkopfschrauben mit Schlitz

The contents of this Standard agrees in subject matter with the ISO Recommendation ISO/R 1580-1970 published by the "International Organization for Standardization (ISO)".

Dimensions in mm

Type A threaded to head¹⁾
(above the stepped line)

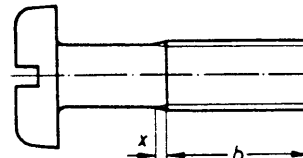


d_0 and r_2 according to
DIN 267 Part 2

a and x according to
DIN 76

Type B with shank¹⁾
(below the stepped line)

Shank diameter \approx effective diameter



Other dimensions and data as in
left-hand illustration

Designation of a pan head screw with thread $d_1 = M 6$, length $l = 20$ mm and strength category 5.8¹⁾:

Pan head screw M 6 x 20 DIN 85 - 5.8

| d_1 | M3 | (M3,5) | M4 | M5 | M6 | (M8) | (M10) |
|-------|--|--------|------|------|------|------|-------|
| b | 19 | 20 | 22 | 25 | 28 | 34 | 40 |
| d_2 | 6 | 7 | 8 | 10 | 12 | 16 | 20 |
| k | 1,8 | 2,1 | 2,4 | 3 | 3,6 | 4,8 | 6 |
| n | 0,8 | 0,8 | 1 | 1,2 | 1,6 | 2 | 2,5 |
| r_1 | max. | 1,2 | 1,4 | 1,6 | 2 | 2,4 | 4 |
| | min. | 0,6 | 0,7 | 0,8 | 1 | 1,2 | 2 |
| t | min. | 0,7 | 0,8 | 1 | 1,2 | 1,5 | 2,4 |
| | max. | 0,95 | 1,1 | 1,3 | 1,5 | 1,9 | 3 |
| l | Weight (7,85 kg/dm ³) kg/1000 pieces \approx | | | | | | |
| 3 | 0,458 | | | | | | |
| 4 | 0,503 | 0,765 | | | | | |
| 5 | 0,548 | 0,825 | 1,16 | | | | |
| 6 | 0,591 | 0,885 | 1,24 | 2,27 | | | |
| 8 | 0,680 | 1,00 | 1,39 | 2,52 | 4,02 | | |
| 10 | 0,768 | 1,12 | 1,55 | 2,76 | 4,37 | 9,38 | |
| 12 | 0,856 | 1,24 | 1,70 | 3,00 | 4,72 | 10,0 | 18,2 |
| (14) | 0,945 | 1,36 | 1,86 | 3,25 | 5,10 | 10,6 | 19,2 |
| 16 | 1,03 | 1,48 | 2,01 | 3,50 | 5,45 | 11,2 | 20,2 |
| (18) | 1,12 | 1,60 | 2,17 | 3,75 | 5,79 | 11,9 | 21,2 |
| 20 | 1,21 | 1,72 | 2,32 | 4,00 | 6,14 | 12,6 | 22,2 |
| (22) | 1,30 | 1,84 | 2,48 | 4,25 | 6,49 | 13,2 | 23,2 |
| 25 | 1,43 | 2,02 | 2,71 | 4,62 | 7,01 | 14,1 | 24,7 |
| (28) | 1,56 | 2,20 | 2,94 | 5,00 | 7,53 | 15,0 | 26,2 |
| 30 | 1,65 | 2,32 | 3,10 | 5,24 | 7,90 | 15,7 | 27,2 |
| 35 | | 2,62 | 3,48 | 5,86 | 8,78 | 17,3 | 29,7 |
| 40 | | | 3,87 | 6,48 | 9,66 | 18,9 | 32,2 |
| 45 | | | | 7,10 | 10,5 | 20,5 | 34,7 |
| 50 | | | | 7,72 | 11,4 | 22,1 | 37,2 |
| 55 | | | | | | 23,7 | 39,7 |
| 60 | | | | | | | 42,2 |

Bracketed sizes should be avoided wherever possible.

¹⁾ Types A and B illustrated above count as the regular pattern in the areas separated in the Table by the stepped line. The socket head cap screws are therefore designated without the type letter symbols. At the manufacturer's choice the screws may be supplied with or without point and with the shank diameter = thread diameter instead of with the shank diameter \approx effective diameter. If, however, in exceptional cases a specific type or a different thread length is required, then the appropriate type letter symbol or the thread length must be stated in the designation. For examples of designations, see DIN 962.

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