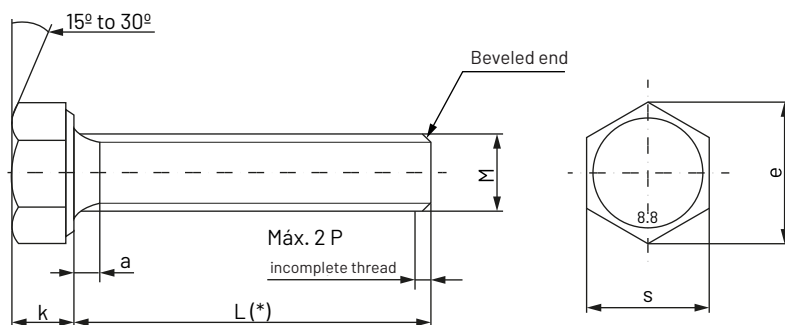


# DIN 933 hex head cap screw 8.8



White zinc-plated Hex-head screw with full thread. This is a high-quality screw made of 8.8 grade steel to be applied with a hexagon socket key or any other key for hex-head screws.

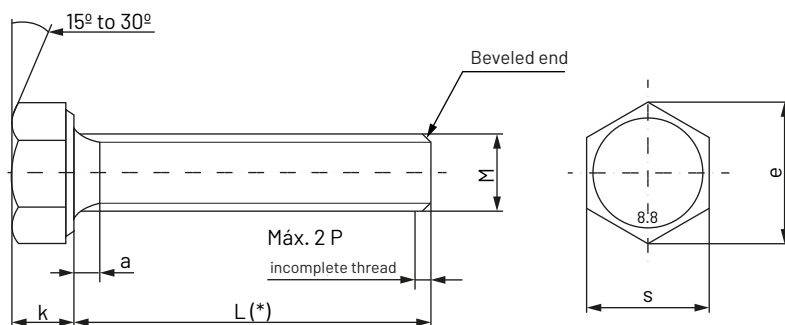
**MATERIAL:** Carbon Steel  
high strength

**FINISH:** Zinc plated

**HARDNESS:** 250-320 HV

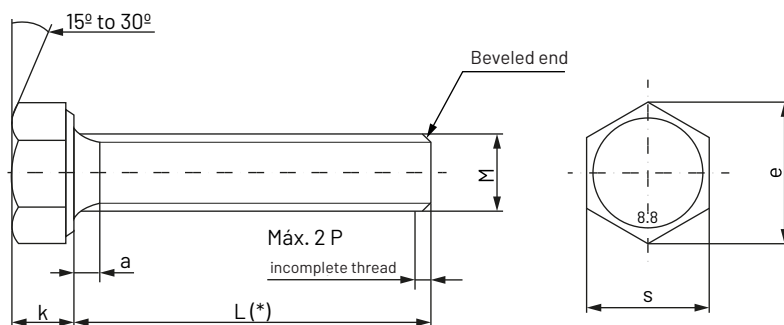
| Size<br>M x L | Part<br>Number | a<br>Max. | e<br>Min. | k<br>Max. | s<br>Max. | P<br>Thread pitch | Clamping<br>Force N/m | Box<br>Quantity |
|---------------|----------------|-----------|-----------|-----------|-----------|-------------------|-----------------------|-----------------|
| 5 x 10        | 04250183       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 12        | 04250193       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 16        | 04250223       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 20        | 04250243       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 25        | 04250263       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 30        | 04250273       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 35        | 04250283       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 5 x 40        | 04250293       | 2,4       | 8,79      | 3,65      | 8         | 0,8               | 5,4                   | 500             |
| 6 x 10        | 04250333       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 12        | 04250343       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 16        | 04250373       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 20        | 04250393       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 25        | 04250413       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 30        | 04250423       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 35        | 04250433       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 40        | 04250443       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 45        | 04250453       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 50        | 04250463       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 60        | 04250483       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |
| 6 x 70        | 04250503       | 3,0       | 11,05     | 4,15      | 10        | 1,0               | 9,3                   | 200             |

# DIN 933 hex head cap screw 8.8



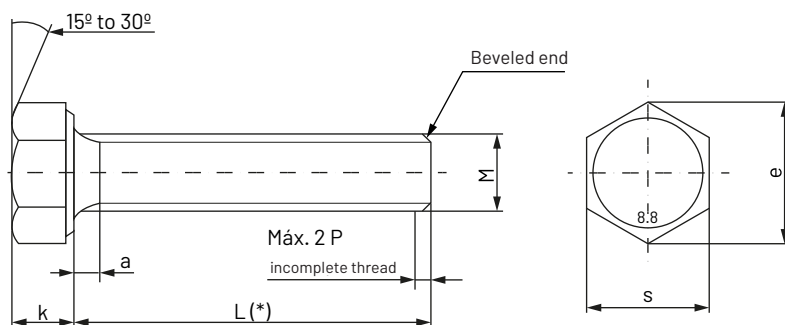
| Size<br>M x L | Part<br>Number | a<br>Max. | e<br>Min. | k<br>Max. | s<br>Max. | P<br>Thread pitch | Clamping<br>Force N/m | Box<br>Quantity |
|---------------|----------------|-----------|-----------|-----------|-----------|-------------------|-----------------------|-----------------|
| 8 x 16        | 04250773       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 20        | 04250793       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 25        | 04250813       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 30        | 04250823       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 35        | 04250833       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 40        | 04250843       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 50        | 04250863       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 60        | 04250883       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 70        | 04250903       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 8 x 80        | 04250923       | 3,75      | 14,38     | 5,45      | 13        | 1,25              | 22                    | 200             |
| 10 x 16       | 04250973       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 20       | 04250993       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 25       | 04251013       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 30       | 04251023       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 35       | 04251033       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 40       | 04251043       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 50       | 04251063       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 60       | 04251083       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 200             |
| 10 x 70       | 04251103       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 100             |
| 10 x 80       | 04251123       | 4,50      | 18,90     | 6,58      | 17        | 1,5               | 45                    | 100             |

# DIN 933 hex head cap screw 8.8



| Size<br>M x L | Part<br>Number | a<br>Max. | e<br>Min. | k<br>Max. | s<br>Max. | P<br>Thread pitch | Clamping<br>Force N/m | Box<br>Quantity |
|---------------|----------------|-----------|-----------|-----------|-----------|-------------------|-----------------------|-----------------|
| 12 x 20       | 04251183       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 200             |
| 12 x 25       | 04251203       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 200             |
| 12 x 30       | 04251213       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 200             |
| 12 x 35       | 04251223       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 200             |
| 12 x 40       | 04251233       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 200             |
| 12 x 50       | 04251253       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 100             |
| 12 x 60       | 04251273       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 100             |
| 12 x 70       | 04251293       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 100             |
| 12 x 80       | 04251313       | 5,25      | 21,10     | 7,68      | 19        | 1,75              | 77                    | 100             |
| 14 x 30       | 04251403       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 200             |
| 14 x 35       | 04251413       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 200             |
| 14 x 40       | 04251423       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 100             |
| 14 x 50       | 04251443       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 100             |
| 14 x 60       | 04251463       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 100             |
| 14 x 70       | 04251483       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 50              |
| 14 x 80       | 04251503       | 6         | 24,49     | 8,98      | 22        | 2                 | 125                   | 50              |

# DIN 933 hex head cap screw 8.8



| Size<br>M x L | Part<br>Number | a<br>Max. | e<br>Min. | k<br>Max. | s<br>Max. | P<br>Thread pitch | Clamping<br>Force N/m | Box<br>Quantity |
|---------------|----------------|-----------|-----------|-----------|-----------|-------------------|-----------------------|-----------------|
| 16 x 30       | 04251563       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 100             |
| 16 x 35       | 04251573       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 100             |
| 16 x 40       | 04251583       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 100             |
| 16 x 50       | 04251603       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 100             |
| 16 x 60       | 04251623       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 50              |
| 16 x 70       | 04251643       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 50              |
| 16 x 80       | 04251663       | 6         | 26,75     | 10,18     | 24        | 2                 | 190                   | 50              |
| 18 x 40       | 04251713       | 7,5       | 30,14     | 11,72     | 27        | 2,5               | 270                   | 50              |
| 18 x 50       | 04251733       | 7,5       | 30,14     | 11,72     | 27        | 2,5               | 270                   | 50              |
| 18 x 60       | 04251753       | 7,5       | 30,14     | 11,72     | 27        | 2,5               | 270                   | 50              |
| 18 x 70       | 04251773       | 7,5       | 30,14     | 11,72     | 27        | 2,5               | 270                   | 50              |
| 18 x 80       | 04251793       | 7,5       | 30,14     | 11,72     | 27        | 2,5               | 270                   | 50              |
| 20 x 40       | 04251843       | 7,5       | 35,53     | 12,72     | 30        | 2,5               | 380                   | 50              |
| 20 x 50       | 04251863       | 7,5       | 35,53     | 12,72     | 30        | 2,5               | 380                   | 50              |
| 20 x 60       | 04251883       | 7,5       | 35,53     | 12,72     | 30        | 2,5               | 380                   | 50              |
| 20 x 70       | 04251903       | 7,5       | 35,53     | 12,72     | 30        | 2,5               | 380                   | 50              |
| 20 x 80       | 04251923       | 7,5       | 35,53     | 12,72     | 30        | 2,5               | 380                   | 25              |
| 22 x 40       | 04251953       | 7,5       | 35,72     | 14,22     | 32        | 2,5               | 515                   | 25              |
| 22 x 50       | 04251973       | 7,5       | 35,72     | 14,22     | 32        | 2,5               | 515                   | 25              |
| 22 x 60       | 04251993       | 7,5       | 35,72     | 14,22     | 32        | 2,5               | 515                   | 25              |
| 22 x 70       | 04252013       | 7,5       | 35,72     | 14,22     | 32        | 2,5               | 515                   | 25              |
| 22 x 80       | 04252033       | 7,5       | 35,72     | 14,22     | 32        | 2,5               | 515                   | 25              |

Screw length L(\*)

| Size | Min.  | Max.  | Size | Min.  | Max.  | Size | Min.  | Max.  |
|------|-------|-------|------|-------|-------|------|-------|-------|
| 10   | 9,71  | 10,29 | 25   | 24,58 | 25,42 | 50   | 49,50 | 50,50 |
| 12   | 11,65 | 12,35 | 30   | 29,58 | 30,42 | 60   | 59,4  | 60,6  |
| 14   | 13,65 | 14,35 | 35   | 34,50 | 35,50 | 70   | 69,4  | 70,6  |
| 16   | 15,65 | 16,35 | 40   | 39,50 | 40,50 | 80   | 79,4  | 80,6  |
| 20   | 19,58 | 20,42 | 45   | 44,50 | 45,50 |      |       |       |