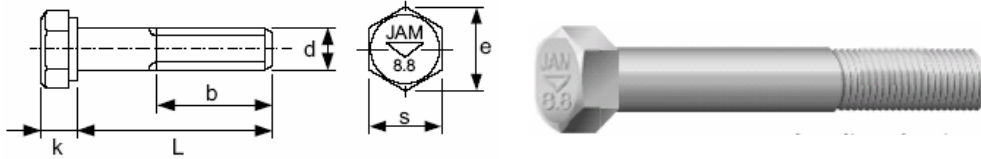


Grade 8.8 HDG High Tensile Steel Hex Bolt 熱浸鉛水 8.8 拉力鋼六角螺絲

ST 8.8 HDG

DIN 931

02133



Order example: DIN931 HDG 8.8 M16X70 (Order Code: 02133.160.070)

| | |
|--------------------|-------------------------------------------|
| Material Standard: | ISO 898 Part 1:1999 |
| Specification: | BS 3692:2001 (partial threaded) / DIN 931 |
| Finishing: | Hot dip galvanized to ISO 1461:1999 |

| Thread Pitch | 1 | 1.25 | 1.5 | 1.75 | 2 | 2.5 | 3 | 3 | 3.5 | 3.5 | 4 | 4 |
|---------------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-----|------|-----|
| b (L≤125) | 18 | 22 | 26 | 30 | 38 | 46 | 54 | 60 | 66 | 72 | 78 | 84 |
| b (125<L≤200) | - | - | 32 | 36 | 44 | 52 | 60 | 66 | 72 | 78 | 84 | 90 |
| b (L>200) | - | - | - | - | 57 | 65 | 73 | 79 | 85 | 91 | 97 | 103 |
| k (max.) | 4.15 | 5.65 | 7.18 | 8.18 | 10.18 | 13.215 | 15.215 | 17.215 | 19.26 | 21 | 22.5 | 25 |
| k (min.) | 3.85 | 5.35 | 6.82 | 7.82 | 9.82 | 12.785 | 14.785 | 16.785 | 18.74 | | | |
| s (max.) | 10.0 | 13.0 | 17.0 | 19.0 | 24.0 | 30.0 | 36.0 | 41.0 | 46.0 | 50 | 55 | 60 |
| s (min.) | 9.78 | 12.73 | 16.73 | 18.67 | 23.67 | 29.67 | 35.38 | 40.38 | 45.38 | | | |
| e (max.) | 11.5 | 15.0 | 19.6 | 21.9 | 27.7 | 34.6 | 41.6 | 47.3 | 53.1 | | | |
| e (min.) | 11.05 | 14.38 | 18.9 | 21.10 | 26.75 | 33.53 | 39.98 | 45.63 | 51.28 | | | |

| d | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M27 | M30 | M33 | M36 | M39 |
|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

| L (mm) | | | | | | | | | | | | |
|--------|-----|---------|---------|---------|--------|---------|--------|---------|---------|--------|--------|--------|
| 35 | | | | | | | | | | | | |
| 40 | | 080040 | | | | | | | | | | |
| 45 | | 080045 | | | | | | | | | | |
| 50 | | 080050 | 100050 | 120050 | | | | | | | | |
| 55 | | 080055 | 100055 | 120055 | | | | | | | | |
| 60 | | 080060 | 100060 | 120060 | 160060 | | | | | | | |
| 65 | | 080065 | 100065 | 120065 | 160065 | 200065 | | | | | | |
| 70 | | 080070 | 100070 | 120070 | 160070 | 200070 | | | | | | |
| 75 | | 080075 | 100075 | 120075 | 160075 | 200075 | 240075 | | | | | |
| 80 | | 080080 | 100080 | 120080 | 160080 | 200080 | 240080 | | | | | |
| 85 | | 080085 | 100085 | 120085 | 160085 | 200085 | 240085 | | | | | |
| 90 | | 080090 | 100090 | 120090 | 160090 | 200090 | 240090 | | | | | |
| 100 | | 080100 | 100100 | 120100 | 160100 | 200100 | 240100 | 270100 | 300100 | 330100 | | |
| 110 | | | 100110 | 120110 | 160110 | 200110 | 240110 | 270110 | 300110 | 330110 | 360110 | 390110 |
| 120 | | | 100120 | 120120 | 160120 | 200120 | 240120 | 270120 | 300120 | 330120 | 360120 | 390120 |
| 130 | | | 100130 | 120130 | 160130 | 200130 | 240130 | 270130 | 300130 | 330130 | 360130 | 390130 |
| 140 | | | 100140 | 120140 | 160140 | 200140 | 240140 | 270140 | 300140 | 330140 | 360140 | 390140 |
| 150 | | | 100150 | 120150 | 160150 | 200150 | 240150 | 270150 | 300150 | 330150 | 360150 | 390150 |
| 160 | | | | | 160160 | 200160 | 240160 | 270160 | 300160 | 330160 | 360160 | 390160 |
| 170 | | | | | 160170 | 200170 | 240170 | 270170 | 300170 | 330170 | 360170 | 390170 |
| 180 | | | | | | | | 270180 | 300180 | 330180 | 360180 | 390180 |
| 190 | | | | | | | | 270190 | 300190 | 330190 | 360190 | 390190 |
| 200 | | | | | | | | 270200 | 300200 | 330200 | 360200 | 390200 |
| | 200 | 200 | 100 | 50 | 50 | 25 | 20 | 10 | 10 | 5 | 5 | 5 |
| | | L ≥ 110 | L ≥ 75 | L ≥ 110 | L ≥ 70 | L ≥ 190 | L ≥ 90 | L ≥ 160 | L ≥ 160 | | | |
| | | 50 | 50 | 25 | 25 | 10 | 10 | 5 | 5 | | | |
| | | | L ≥ 160 | | | | | | | | | |
| | | | 25 | | | | | | | | | |

Bolts/Nuts/Threaded Rods

Anchors

Screws

Plastic Fixings