



**JUWEL
SCHRAUBTECHNIK GmbH**



JUWEL TYPE 02

| Input Force | | | Output Force | | |
|-------------|-----|--------|--------------|------|---------|
| kg-m | Nm | Ft/lb | kg-m | Nm | Ft/lb |
| 4 | 39 | 28,76 | 42 | 416 | 306,82 |
| 5 | 49 | 36,14 | 52 | 506 | 373,20 |
| 6 | 59 | 43,51 | 61 | 596 | 439,58 |
| 7 | 69 | 50,89 | 70 | 686 | 505,96 |
| 8 | 78 | 57,52 | 82 | 804 | 592,99 |
| 9 | 88 | 64,90 | 101 | 991 | 730,92 |
| 10 | 98 | 72,28 | 112 | 1098 | 809,84 |
| 11 | 108 | 79,85 | 123 | 1206 | 889,49 |
| 12 | 118 | 87,03 | 134 | 1314 | 969,15 |
| 13 | 127 | 93,67 | 145 | 1422 | 1048,81 |
| 14 | 137 | 101,04 | 156 | 1530 | 1128,47 |
| 15 | 147 | 108,42 | 167 | 1638 | 1208,12 |
| 16 | 157 | 115,79 | 178 | 1746 | 1287,78 |
| 17 | 167 | 123,17 | 189 | 1845 | 1360,80 |
| 18 | 177 | 130,54 | 200 | 1961 | 1446,35 |
| 19 | 186 | 137,18 | 210 | 2059 | 1518,64 |
| 20 | 196 | 144,56 | 220 | 2158 | 1591,65 |
| 21 | 206 | 151,93 | 230 | 2256 | 1641,81 |
| 22 | 216 | 159,31 | 240 | 2354 | 1736,22 |
| 23 | 226 | 166,68 | 250 | 2652 | 1956,01 |
| 24 | 235 | 173,32 | 260 | 2550 | 1880,78 |
| 25 | 245 | 180,70 | 270 | 2648 | 1953,06 |
| 26 | 255 | 188,07 | 280 | 2746 | 2025,34 |
| 27 | 265 | 195,45 | 290 | 2844 | 2097,62 |
| 28 | 275 | 202,82 | 300 | 2942 | 2169,90 |
| 29 | 284 | 209,46 | 310 | 3040 | 2242,18 |
| 30 | 294 | 216,84 | 320 | 3138 | 2314,47 |

SURKON®

TORQUE TABLE ACCORDING TO BOLT STRENGTH

Screw thread DIN 13/Bolt heads DIN 912 - 931 - 934 - 6912 - 7984 and 7990

| B O L T T Y P E | | B O L T Q U A L I T Y | | | |
|-----------------|------------------|-----------------------|--------|--------|--------|
| METRIC SIZE | SOCKET SIZE (mm) | 6.9 | 8.8 | 10.9 | 12.9 |
| | | Nm | Nm | Nm | Nm |
| M 14 | 22 | 116 | 138 | 194 | 235 |
| M 16 | 24 | 178 | 210 | 299 | 357 |
| M 18 | 27 | 245 | 289 | 411 | 490 |
| M 20 | 30 | 384 | 411 | 578 | 696 |
| M 22 | 32 | 470 | 559 | 784 | 941 |
| M 24 | 36 | 598 | 711 | 1,00 | 1,196 |
| M 28 | 41 | 887 | 1,049 | 1,481 | 1,775 |
| M 30 | 46 | 1,206 | 1,422 | 2,010 | 2,403 |
| M 33 | 50 | 1,628 | 1,932 | 2,716 | 3,266 |
| M 36 | 55 | 2,099 | 2,481 | 3,491 | 4,197 |
| M 39 | 60 | 2,716 | 3,226 | 4,531 | 5,443 |
| M 42 | 65 | 3,364 | 3,991 | 5,609 | 6,727 |
| M 45 | 70 | 4,207 | 4,992 | 7,012 | 8,414 |
| M 48 | 75 | 5,080 | 6,021 | 8,473 | 10,150 |
| M 52 | 80 | 6,541 | 7,747 | 10,885 | 13,092 |
| M 56 | 85 | 8,149 | 9,650 | 13,582 | 16,279 |
| M 60 | 90 | 10,101 | 11,964 | 16,867 | 20,202 |
| M 64 | 95 | 12,160 | 14,416 | 20,300 | 24,320 |
| M 68 | 100 | 14,863 | 17,615 | 24,771 | 29,725 |
| M 72 | 105 | 17,787 | 21,081 | 29,645 | 35,573 |
| M 76 | 110 | 21,071 | 24,973 | 35,118 | 42,141 |
| M 80 | 115 | 24,733 | 29,314 | 41,222 | 49,497 |
| M 90 | 130 | 35,880 | 42,525 | 59,801 | 71,761 |
| M 100 | 145 | 49,950 | 59,200 | 83,250 | 99,900 |



High Pressure Hydraulic Tools & Torque Equipments

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