

## Metallic screws and nuts



Bolts, nuts and double washer  
**UNI - EN 14399-4 / 14399-6**  
**Class K1**



| Description      | Price VATexcl.<br>euro/100 | % Price Change |   | Package | d mm | L mm |
|------------------|----------------------------|----------------|---|---------|------|------|
| <b>M 12 X 80</b> | <b>on demand</b>           | -              | - | 1       | M12  | 80   |



|                  |      |
|------------------|------|
| <b>M 12 X 80</b> |      |
| <b>p</b>         | 1.75 |
| <b>b</b>         | 23   |
| <b>c</b> max     | 0.6  |
| min              | 0.4  |

|               |       |
|---------------|-------|
| <b>da</b> max | 15.2  |
| nom           | 12    |
| <b>ds</b> max | 12.7  |
| min           | 11.3  |
| <b>dw</b> min | 20.1  |
| <b>e</b> min  | 23.91 |

|               |       |
|---------------|-------|
| nom           | 8     |
| <b>k</b> max  | 8.45  |
| min           | 7.55  |
| <b>kw</b> min | 5.28  |
| <b>r</b> min  | 1.2   |
| <b>s</b> max  | 22    |
| min           | 21.16 |

| l - mm |        |        | M12    |        |
|--------|--------|--------|--------|--------|
| nom    | min    | max    | ls min | lg max |
| 35     | 33,75  | 36,25  | 6,75   | 12     |
| 40     | 38,75  | 41,25  | 11,75  | 17     |
| 45     | 43,75  | 46,25  | 16,75  | 22     |
| 50     | 48,75  | 51,25  | 21,75  | 27     |
| 55     | 53,5   | 56,5   | 26,75  | 32     |
| 60     | 58,5   | 61,5   | 31,75  | 37     |
| 65     | 63,5   | 66,5   | 36,75  | 42     |
| 70     | 68,5   | 71,5   | 41,75  | 47     |
| 75     | 73,5   | 76,5   | 46,75  | 52     |
| 80     | 78,5   | 81,5   | 51,75  | 57     |
| 85     | 83,25  | 86,75  | 56,75  | 62     |
| 90     | 88,25  | 91,75  | 61,75  | 67     |
| 95     | 93,25  | 96,75  | 66,75  | 72     |
| 100    | 98,25  | 101,75 |        |        |
| 105    | 103,25 | 106,75 |        |        |
| 110    | 108,25 | 111,75 |        |        |
| 115    | 113,25 | 116,75 |        |        |
| 120    | 118,25 | 121,75 |        |        |
| 125    | 123    | 127    |        |        |
| 130    | 128    | 132    |        |        |
| 135    | 133    | 137    |        |        |
| 140    | 138    | 142    |        |        |
| 145    | 143    | 147    |        |        |
| 150    | 148    | 152    |        |        |
| 155    | 153    | 159    |        |        |
| 160    | 158    | 164    |        |        |

|     |       |       |
|-----|-------|-------|
| 165 | 163   | 169   |
| 170 | 168   | 174   |
| 175 | 173   | 179   |
| 180 | 178   | 184   |
| 185 | 182,7 | 189,6 |
| 190 | 187,7 | 194,6 |
| 195 | 192,7 | 199,6 |
| 200 | 197,7 | 204,6 |



|                  |      |
|------------------|------|
| <b>M 12 X 80</b> |      |
| <b>p</b>         | 1.75 |
| <b>da max</b>    | 13   |
| <b>min</b>       | 12   |

|               |       |
|---------------|-------|
| <b>dw min</b> | 20.1  |
| <b>e min</b>  | 23.91 |
| <b>nom</b>    |       |
| <b>m =</b>    | 10    |
| <b>max</b>    |       |
| <b>min</b>    | 9.64  |

|               |       |
|---------------|-------|
| <b>mw min</b> | 7.71  |
| <b>s max</b>  | 22    |
| <b>min</b>    | 21.16 |



|                  |       |
|------------------|-------|
| <b>M 12 X 80</b> |       |
| <b>d1 max</b>    | 13.27 |
| <b>min</b>       | 13    |
| <b>d2 max</b>    | 24    |
| <b>min</b>       | 23.48 |

|              |     |
|--------------|-----|
| <b>nom</b>   |     |
| <b>h max</b> | 3.3 |
| <b>min</b>   | 2.7 |
| <b>e max</b> | 1   |
| <b>nom</b>   |     |
| <b>=</b>     | 0.5 |
| <b>min</b>   |     |

|              |     |
|--------------|-----|
| <b>c max</b> | 1.9 |
| <b>min</b>   | 1.6 |

Technical informations are indicative and can be updated.

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