

## Metallic screws and nuts



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



| Description       | Price VATexcl.<br>euro/100 | % Price Change |   | Package | d mm | L mm |
|-------------------|----------------------------|----------------|---|---------|------|------|
|                   |                            | 1              | 2 |         |      |      |
| <b>M 20 X 135</b> | <b>on demand</b>           | -              | - | 1       | M20  | 135  |



|                   |     |
|-------------------|-----|
| <b>M 20 X 135</b> |     |
| <b>p</b>          | 2,5 |
| <b>b</b>          | 33  |
| <b>c</b> max      | 0,8 |
| min               | 0,4 |

|               |       |
|---------------|-------|
| <b>da</b> max | 24    |
| nom           | 20    |
| <b>ds</b> max | 20,84 |
| min           | 19,16 |
| <b>dw</b> min | 29,5  |
| <b>e</b> min  | 35,03 |

|               |      |
|---------------|------|
| nom           | 13   |
| <b>k</b> max  | 13,9 |
| min           | 12,1 |
| <b>kw</b> min | 8,47 |
| <b>r</b> min  | 1,5  |
| <b>s</b> max  | 32   |
| min           | 31   |

| l - mm |        |        | M20    |        |
|--------|--------|--------|--------|--------|
| nom    | min    | max    | ls min | lg max |
| 35     | 33,75  | 36,25  |        |        |
| 40     | 38,75  | 41,25  |        |        |
| 45     | 43,75  | 46,25  | 4,5    | 12     |
| 50     | 48,75  | 51,25  | 9,5    | 17     |
| 55     | 53,5   | 56,5   | 14,5   | 22     |
| 60     | 58,5   | 61,5   | 19,5   | 27     |
| 65     | 63,5   | 66,5   | 24,5   | 32     |
| 70     | 68,5   | 71,5   | 29,5   | 37     |
| 75     | 73,5   | 76,5   | 34,5   | 42     |
| 80     | 78,5   | 81,5   | 39,5   | 47     |
| 85     | 83,25  | 86,75  | 44,5   | 52     |
| 90     | 88,25  | 91,75  | 49,5   | 57     |
| 95     | 93,25  | 96,75  | 54,5   | 62     |
| 100    | 98,25  | 101,75 | 59,5   | 67     |
| 105    | 103,25 | 106,75 | 64,5   | 72     |
| 110    | 108,25 | 111,75 | 69,5   | 77     |
| 115    | 113,25 | 116,75 | 74,5   | 82     |
| 120    | 118,25 | 121,75 | 79,5   | 87     |
| 125    | 123    | 127    | 84,5   | 92     |
| 130    | 128    | 132    | 89,5   | 97     |
| 135    | 133    | 137    | 94,5   | 102    |
| 140    | 138    | 142    | 99,5   | 107    |
| 145    | 143    | 147    | 104,5  | 112    |
| 150    | 148    | 152    | 109,5  | 117    |
| 155    | 153    | 159    | 114,5  | 122    |
| 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 20 X 135</b> |  |      |
| <b>p</b>          |  | 2,5  |
| <b>da max</b>     |  | 21,6 |
| <b>min</b>        |  | 20   |

|               |       |
|---------------|-------|
| <b>dw min</b> | 29,5  |
| <b>e min</b>  | 35,03 |
| <b>nom</b>    |       |
| <b>m =</b>    | 16    |
| <b>max</b>    |       |
| <b>min</b>    | 14,9  |

|               |       |
|---------------|-------|
| <b>mw min</b> | 11,92 |
| <b>s max</b>  | 32    |
| <b>min</b>    | 31    |



|                   |  |      |
|-------------------|--|------|
| <b>M 20 X 135</b> |  |      |
| <b>d1 max</b>     |  | 21,3 |
| <b>min</b>        |  | 2    |
| <b>d2 max</b>     |  | 3    |
| <b>min</b>        |  | 36,3 |

|              |      |
|--------------|------|
| <b>nom</b>   | 4    |
| <b>h max</b> | 4,3  |
| <b>min</b>   | 3,7  |
| <b>e max</b> | 1,5  |
| <b>nom</b>   |      |
| <b>=</b>     | 0,75 |
| <b>min</b>   |      |

|              |     |
|--------------|-----|
| <b>c max</b> | 2,5 |
| <b>min</b>   | 2   |

Technical informations are indicative and can be updated.

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