

## Hexagonal bolt with flange in accordance with MBN standard

**MBN 10105, steel 10.9, with fine thread from M12. Silver-coloured zinc flake coating in accordance with DBL 9440.40 (form C  $\triangleq$  partial thread).**

### Surface protection

In accordance with DBL 9440.40 (silver-coloured zinc flake coating with lubrication integrated in seal, Cr(VI)-free) > VDA 235 - 104.42

### Corrosion resistance

- $\leq$  M8 - approx. 480 hrs, no base metal corrosion acc. to DIN EN ISO 9227 - NSS
- $\geq$  M10 - approx. 720 hrs, no base metal corrosion acc. to DIN EN ISO 9227 - NSS

The specified corrosion resistances apply for the corrosion tests according to DIN EN ISO 9227-NSS (salt spray mist testing), at the earliest 24 h after coating in the „as coated“ state, i.e. before sorting, packaging, transporting and/or assembly. These values can be reduced through inevitable handling and assembly processes.

A transfer of the corrosion resistances from the salt spray mist test to real assembly and operating conditions is not possible in the majority of cases. When designing a connection both the combined materials and if necessary coatings as well as the environmental conditions during operation must be considered by the designer in the selection of a suitable corrosion protection coating.

### Friction coefficient

$\mu_{\text{tot}} = 0.09 - 0.14$  (VDA 235 - 101)

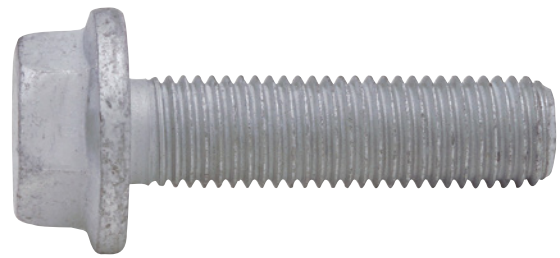
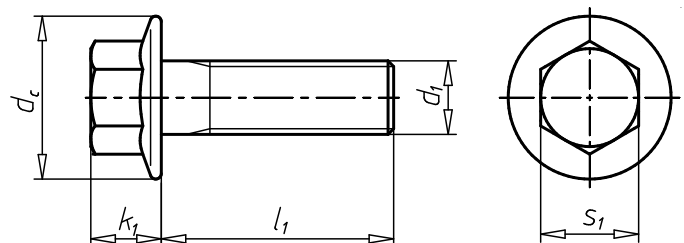


Illustration only

Standards	MBN 10105
Material	Steel
Property class	10.9
Surface	Flake zinc silver
RoHS-compliant	Yes
Head type	Hexagon head with flange
Drive type	Outer hexagon
Thread type	Metric thread
Product class	A
Area of application	Utility vehicle construction



Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M6 x 1	10 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 10</b>	200
M6 x 1	12 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 12</b>	200
M6 x 1	14 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 14</b>	200
M6 x 1	16 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 16</b>	200
M6 x 1	20 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 20</b>	200
M6 x 1	25 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 25</b>	200
M6 x 1	30 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 30</b>	200
M6 x 1	35 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 35</b>	200
M6 x 1	40 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 40</b>	200
M6 x 1	45 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 45</b>	100
M6 x 1	50 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 50</b>	100
M6 x 1	55 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Full thread	<b>0263 16 55</b>	100
M6 x 1	60 mm	14.2 mm	6.6 mm	WS10	1 mm	480 h	Standard metric thread	Partial thread	<b>0263 16 60</b>	100
M8 x 1.25	16 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 16</b>	200
M8 x 1.25	20 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 20</b>	200
M8 x 1.25	25 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 25</b>	200
M8 x 1.25	30 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 30</b>	200
M8 x 1.25	35 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 35</b>	200

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M8 x 1.25	40 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 40</b>	200
M8 x 1.25	45 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 45</b>	100
M8 x 1.25	50 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 50</b>	100
M8 x 1.25	55 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 55</b>	100
M8 x 1.25	60 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 60</b>	100
M8 x 1.25	65 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Full thread	<b>0263 18 65</b>	100
M8 x 1.25	70 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 70</b>	100
M8 x 1.25	80 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 80</b>	100
M8 x 1.25	90 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 90</b>	100
M8 x 1.25	100 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 100</b>	50
M8 x 1.25	110 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 110</b>	50
M8 x 1.25	120 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 120</b>	50
M8 x 1.25	130 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 130</b>	50
M8 x 1.25	140 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 140</b>	25
M8 x 1.25	150 mm	17.9 mm	8.1 mm	WS13	1.25 mm	480 h	Standard metric thread	Partial thread	<b>0263 18 150</b>	25
M10 x 1.5	20 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 20</b>	100
M10 x 1.5	25 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 25</b>	100
M10 x 1.5	30 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 30</b>	100

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M10 x 1.5	35 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 35</b>	100
M10 x 1.5	40 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 40</b>	100
M10 x 1.5	45 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 45</b>	100
M10 x 1.5	50 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 50</b>	100
M10 x 1.5	55 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 55</b>	100
M10 x 1.5	60 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 60</b>	100
M10 x 1.5	65 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 65</b>	100
M10 x 1.5	70 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 70</b>	100
M10 x 1.5	80 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Full thread	<b>0263 110 80</b>	100
M10 x 1.5	90 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 90</b>	100
M10 x 1.5	100 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 100</b>	50
M10 x 1.5	110 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 110</b>	50
M10 x 1.5	120 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 120</b>	50
M10 x 1.5	130 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 130</b>	50
M10 x 1.5	140 mm	21.8 mm	9.2 mm	WS16	1.5 mm	720 h	Standard metric thread	Partial thread	<b>0263 110 140</b>	25
M12 x 1.5	25 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 25</b>	100
M12 x 1.5	30 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 30</b>	100
M12 x 1.5	35 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 35</b>	100
M12 x 1.5	40 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 40</b>	100
M12 x 1.5	45 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 45</b>	100

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M12 x 1.5	50 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 50</b>	100
M12 x 1.5	55 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 55</b>	100
M12 x 1.5	60 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 60</b>	50
M12 x 1.5	65 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 65</b>	50
M12 x 1.5	70 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 70</b>	50
M12 x 1.5	80 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 112 80</b>	50
M12 x 1.5	90 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 90</b>	50
M12 x 1.5	100 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 100</b>	50
M12 x 1.5	110 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 110</b>	50
M12 x 1.5	120 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 120</b>	50
M12 x 1.5	130 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 130</b>	50
M12 x 1.5	140 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 140</b>	25
M12 x 1.5	150 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 150</b>	25
M12 x 1.5	160 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 160</b>	25
M12 x 1.5	180 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 180</b>	25
M12 x 1.5	200 mm	26 mm	11.5 mm	WS18	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 112 200</b>	25
M14 x 1.5	25 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 25</b>	50
M14 x 1.5	30 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 30</b>	50
M14 x 1.5	35 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 35</b>	50
M14 x 1.5	40 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 40</b>	50
M14 x 1.5	45 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 45</b>	50
M14 x 1.5	50 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 50</b>	50
M14 x 1.5	55 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 55</b>	50
M14 x 1.5	60 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 60</b>	50
M14 x 1.5	65 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 65</b>	50
M14 x 1.5	70 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 70</b>	50
M14 x 1.5	80 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 114 80</b>	50

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M14 x 1.5	90 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 90</b>	25
M14 x 1.5	100 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 100</b>	25
M14 x 1.5	110 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 110</b>	25
M14 x 1.5	120 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 120</b>	25
M14 x 1.5	130 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 130</b>	25
M14 x 1.5	140 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 140</b>	25
M14 x 1.5	150 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 150</b>	25
M14 x 1.5	160 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 160</b>	25
M14 x 1.5	180 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 180</b>	25
M14 x 1.5	200 mm	29.9 mm	12.8 mm	WS21	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 114 200</b>	10
M16 x 1.5	30 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 30</b>	50
M16 x 1.5	35 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 35</b>	50
M16 x 1.5	40 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 40</b>	50
M16 x 1.5	45 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 45</b>	50
M16 x 1.5	50 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 50</b>	50
M16 x 1.5	55 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 55</b>	50
M16 x 1.5	60 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 60</b>	50
M16 x 1.5	65 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 65</b>	25
M16 x 1.5	70 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 70</b>	25
M16 x 1.5	80 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 116 80</b>	25
M16 x 1.5	90 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 90</b>	25
M16 x 1.5	100 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 100</b>	25
M16 x 1.5	110 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 110</b>	25
M16 x 1.5	120 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 120</b>	25
M16 x 1.5	130 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 130</b>	25
M16 x 1.5	140 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 140</b>	25
M16 x 1.5	150 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 150</b>	25

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M16 x 1.5	160 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 160</b>	25
M16 x 1.5	180 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 180</b>	25
M16 x 1.5	200 mm	34.5 mm	14.4 mm	WS24	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 116 200</b>	10
M18 x 1.5	30 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 30</b>	25
M18 x 1.5	35 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 35</b>	25
M18 x 1.5	40 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 40</b>	25
M18 x 1.5	45 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 45</b>	25
M18 x 1.5	50 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 50</b>	25
M18 x 1.5	55 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 55</b>	25
M18 x 1.5	60 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 60</b>	25
M18 x 1.5	65 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 65</b>	25
M18 x 1.5	70 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 70</b>	25
M18 x 1.5	80 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 118 80</b>	25
M18 x 1.5	90 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 90</b>	25
M18 x 1.5	100 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 100</b>	25
M18 x 1.5	110 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 110</b>	25
M18 x 1.5	120 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 120</b>	25
M18 x 1.5	130 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 130</b>	25
M18 x 1.5	140 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 140</b>	25
M18 x 1.5	150 mm	38.6 mm	15.8 mm	WS27	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 118 150</b>	25
M20 x 1.5	40 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 40</b>	25
M20 x 1.5	45 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 45</b>	25
M20 x 1.5	50 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 50</b>	25
M20 x 1.5	55 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 55</b>	25
M20 x 1.5	60 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 60</b>	25
M20 x 1.5	65 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 65</b>	25
M20 x 1.5	70 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 70</b>	25

Thread type x nominal diameter x pitch (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>c</sub> )	Head height (k <sub>1</sub> )	External drive (s <sub>1</sub> )	Pitch	Corrosion protection period	Thread format	Thread design	Art. no.	P. Qty.
M20 x 1.5	80 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Full thread	<b>0263 120 80</b>	25
M20 x 1.5	90 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 90</b>	25
M20 x 1.5	100 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 100</b>	10
M20 x 1.5	110 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 110</b>	10
M20 x 1.5	120 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 120</b>	10
M20 x 1.5	130 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 130</b>	10
M20 x 1.5	140 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 140</b>	10
M20 x 1.5	150 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 150</b>	10
M20 x 1.5	160 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 160</b>	10
M20 x 1.5	180 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 180</b>	10
M20 x 1.5	200 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 200</b>	10
M20 x 1.5	220 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 220</b>	10
M20 x 1.5	240 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 240</b>	5
M20 x 1.5	260 mm	42.8 mm	17.1 mm	WS30	1.5 mm	720 h	Fine pitch thread	Partial thread	<b>0263 120 260</b>	5

## Notice

Flange head screws reduce the risk of pretension loss caused by setting of contact surfaces. The surface pressure generated under the screw head during tightening is low compared to conventional hexagon heads (without flange), as the force is distributed over a larger contact surface.

## Advantage:

- Less setting required due to fewer parts to be connected compared to connections using washers.
- The concave washer pressing against the contact surface increases the elasticity of the connection so that the setting/creeping movements that occur are counteracted and pretension loss is generally prevented

## Matching nuts

Hexagon nut with flange and clamping piece MBN 13032 Steel 10, zinc flake coating, item number: 026391...

Related products for	Designation	Art. no.
0263 16 10	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M6 x 1	<b>0263 91 6</b>
0263 16 12	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M6 x 1	<b>0263 91 6</b>
0263 16 14	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M6 x 1	<b>0263 91 6</b>
0263 16 16	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M6 x 1	<b>0263 91 6</b>
0263 16 20	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M6 x 1	<b>0263 91 6</b>









<b>Related products for</b>	<b>Designation</b>	<b>Art. no.</b>
0263 120 200	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard M20 x 1.5	<b>0263 91 20</b>
0263 120 220	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard	<b>0263 91 20</b>
0263 120 240	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard	<b>0263 91 20</b>
0263 120 260	Hexagonal nut with flange and clamping piece (all-metal) according to MBN standard	<b>0263 91 20</b>