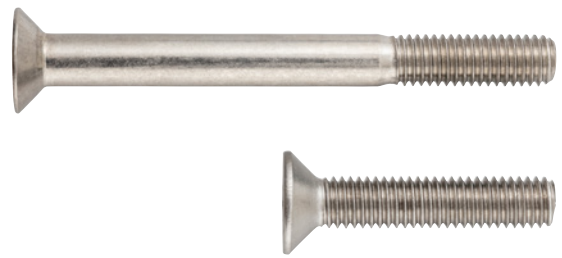


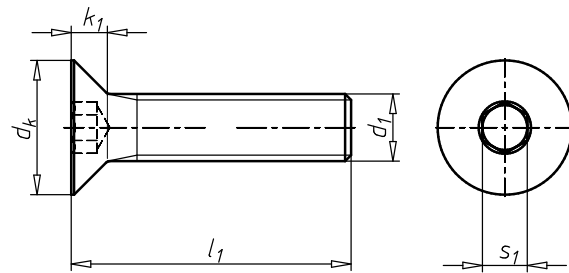
## Countersunk head screw with hexagon socket

### ISO 10642 A4-070 stainless steel, plain

- Due to their head geometry, countersunk head screws have a limited load capacity according to this standard and possibly do not meet tensile or torsional strength requirements.
- The actual mechanical properties of the screw are unchanged and comply with ISO 3506-1
- Depending on the type, these items are supplied with threading almost up to the head
- Countersinks for screw heads in accordance with DIN 7991 and ISO 10642 must comply with DIN 74 shape F



Material	Stainless steel A4
Property class	070
Surface	Plain
RoHS-compliant	Yes
Head type	Countersunk head
Drive type	Hexagon socket
Thread type	Metric thread
Thread format	Standard metric thread
Product class	A



Thread type x nominal diameter (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>k</sub> )	Head height (k <sub>1</sub> )	Internal drive (s <sub>1</sub> )	Standards	Art. no.	P. Qty.
M2.5	6 mm	5.08 mm	1.69 mm	HS1.5	DIN 7991	<b>0299 25 6</b>	1000
M2.5	10 mm	5.08 mm	1.69 mm	HS1.5	DIN 7991	<b>0299 25 10</b>	1000
M3	6 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 6</b>	1000
M3	8 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 8</b>	1000
M3	10 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 10</b>	1000
M3	12 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 12</b>	1000
M3	14 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 14</b>	1000
M3	16 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 16</b>	1000
M3	20 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 20</b>	1000
M3	25 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 25</b>	1000
M3	30 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 30</b>	500
M3	35 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 35</b>	500
M3	40 mm	5.81 mm	1.86 mm	HS2	ISO 10642	<b>0299 3 40</b>	500
M4	5 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 5</b>	1000
M4	6 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 6</b>	1000
M4	8 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 8</b>	200
M4	10 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 10</b>	200
M4	12 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 12</b>	1000
M4	14 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 14</b>	1000
M4	16 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 16</b>	1000
M4	18 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 18</b>	1000
M4	20 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 20</b>	500
M4	25 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 25</b>	500

Thread type x nominal diameter (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>k</sub> )	Head height (k <sub>1</sub> )	Internal drive (s <sub>1</sub> )	Standards	Art. no.	P. Qty.
M4	30 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 30</b>	500
M4	35 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 35</b>	500
M4	40 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 40</b>	200
M4	45 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 45</b>	200
M4	50 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 50</b>	200
M4	60 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 60</b>	200
M4	70 mm	7.96 mm	2.48 mm	HS2.5	ISO 10642	<b>0299 4 70</b>	200
M5	8 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 8</b>	500
M5	10 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 10</b>	200
M5	12 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 12</b>	500
M5	14 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 14</b>	1000
M5	16 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 16</b>	500
M5	18 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 18</b>	500
M5	20 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 20</b>	500
M5	22 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 22</b>	500
M5	25 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 25</b>	200
M5	30 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 30</b>	200
M5	35 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 35</b>	200
M5	40 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 40</b>	200
M5	45 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 45</b>	200
M5	50 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 50</b>	200
M5	55 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 55</b>	100
M5	60 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 60</b>	200
M5	70 mm	10.07 mm	3.1 mm	HS3	ISO 10642	<b>0299 5 70</b>	200
M6	8 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 8</b>	500
M6	10 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 10</b>	500
M6	12 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 12</b>	200
M6	14 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 14</b>	200
M6	16 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 16</b>	200
M6	20 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 20</b>	200
M6	22 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 22</b>	200
M6	25 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 25</b>	200
M6	30 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 30</b>	200
M6	35 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 35</b>	200
M6	40 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 40</b>	200
M6	45 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 45</b>	200
M6	50 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 50</b>	100
M6	55 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 55</b>	100
M6	60 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 60</b>	100
M6	65 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 65</b>	50
M6	70 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 70</b>	200
M6	80 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 80</b>	100
M6	90 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 90</b>	100
M6	95 mm	12.16 mm	3.72 mm	HS4	ISO 10642	<b>0299 6 95</b>	50
M8	10 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 10</b>	200
M8	12 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 12</b>	200
M8	14 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 14</b>	200
M8	16 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 16</b>	200
M8	18 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 18</b>	200
M8	20 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 20</b>	200
M8	22 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 22</b>	200
M8	25 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 25</b>	100
M8	30 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 30</b>	100

Thread type x nominal diameter (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>k</sub> )	Head height (k <sub>1</sub> )	Internal drive (s <sub>1</sub> )	Standards	Art. no.	P. Qty.
M8	35 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 35</b>	100/200
M8	40 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 40</b>	100
M8	45 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 45</b>	200
M8	50 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 50</b>	100
M8	60 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 60</b>	100
M8	65 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 65</b>	100
M8	70 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 70</b>	100
M8	80 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 80</b>	100
M8	90 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 90</b>	100
M8	100 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 100</b>	100
M8	110 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 110</b>	50
M8	120 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 120</b>	50
M8	130 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 130</b>	100
M8	140 mm	16.43 mm	4.96 mm	HS5	ISO 10642	<b>0299 8 140</b>	50
M10	16 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 16</b>	100
M10	20 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 20</b>	100
M10	25 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 25</b>	100
M10	30 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 30</b>	100
M10	35 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 35</b>	100
M10	40 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 40</b>	100
M10	45 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 45</b>	200
M10	50 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 50</b>	50
M10	55 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 55</b>	100
M10	60 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 60</b>	50
M10	70 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 70</b>	50
M10	75 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 75</b>	50
M10	80 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 80</b>	50
M10	90 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 90</b>	50
M10	100 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 100</b>	50
M10	110 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 110</b>	50
M10	120 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 120</b>	10
M10	140 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 140</b>	50
M10	180 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 180</b>	50
M10	190 mm	20.69 mm	6.2 mm	HS6	ISO 10642	<b>0299 10 190</b>	100
M12	20 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 20</b>	50
M12	25 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 25</b>	50
M12	30 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 30</b>	50
M12	35 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 35</b>	50
M12	40 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 40</b>	100
M12	45 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 45</b>	50
M12	50 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 50</b>	50
M12	55 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 55</b>	50
M12	60 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 60</b>	50
M12	70 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 70</b>	50
M12	80 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 80</b>	25
M12	90 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 90</b>	25
M12	100 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 100</b>	25
M12	110 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 110</b>	50
M12	120 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 120</b>	50
M12	135 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 135</b>	50
M12	160 mm	24.81 mm	7.44 mm	HS8	ISO 10642	<b>0299 12 160</b>	50
M14	60 mm	28.31 mm	8.4 mm	HS10	ISO 10642	<b>0299 14 60</b>	25
M14	80 mm	28.31 mm	8.4 mm	HS10	ISO 10642	<b>0299 14 80</b>	25

Thread type x nominal diameter (d <sub>1</sub> )	Length (l <sub>1</sub> )	Head diameter (d <sub>k</sub> )	Head height (k <sub>1</sub> )	Internal drive (s <sub>1</sub> )	Standards	Art. no.	P. Qty.
M16	25 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 25</b>	25
M16	30 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 30</b>	50
M16	35 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 35</b>	25
M16	40 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 40</b>	50
M16	45 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 45</b>	25
M16	50 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 50</b>	25
M16	55 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 55</b>	25
M16	60 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 60</b>	50
M16	70 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 70</b>	25
M16	80 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 80</b>	25
M16	85 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 85</b>	25
M16	100 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 100</b>	25
M16	110 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 110</b>	25
M16	120 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 120</b>	25
M16	150 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 150</b>	25
M16	160 mm	30.61 mm	8.8 mm	HS10	ISO 10642	<b>0299 16 160</b>	10
M20	35 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 35</b>	50
M20	40 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 40</b>	25
M20	45 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 45</b>	25
M20	50 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 50</b>	25
M20	60 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 60</b>	25
M20	70 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 70</b>	25
M20	80 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 80</b>	25
M20	90 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 90</b>	25
M20	100 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 100</b>	25
M20	120 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 120</b>	25
M20	140 mm	36.75 mm	10.16 mm	HS12	ISO 10642	<b>0299 20 140</b>	25

## Details/Application



## Notice

DIN 7991 has been withdrawn and replaced by ISO 10642. There is some limited similarity (some head heights and head diameters changed | Nominal diameters M18, M22, M24 removed | Strength classes 10.9 and 12.9 added).

**These screws can only be subjected to limited loads due to their head geometry, see DIN EN ISO 3506-1**