















































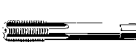



Nuts/rivet nuts/inserts 3














 <small>Page 3-4 DIN 934 (1987) NEN 1560</small> DIN Metric	 <small>Page 3-13 ISO 4032</small> ISO Metric	 <small>Page 3-16 DIN 934 (1987) NEN 1560</small> Metric fine	 <small>Page 3-19 ANSI =B18.6.3</small> Machine screw nut UNC	 <small>Page 3-20 ANSI =B18.2.2 BS =1768</small> UNC
 <small>Page 3-22 ANSI =B18.2.2 BS =1768</small> UNF	 <small>Page 3-24 ANSI B18.6.3</small> Machine screw nut UNF	 <small>Page 3-25 BS =1083 (1965)</small> BSF	 <small>Page 3-26 DIN =934 (1954) NEN =2338 (1960)</small> BSW	 <small>Page 3-28 DIN =934 (1954) NEN =2338 (1960)</small> 1xd BSW
 <small>Page 3-29 DIN =934 (1987) NEN =1560</small> 1xd Metric	 <small>Page 3-30 DIN 555 (1987) NEN 697</small> ≤4 Metric	 <small>Page 3-31 DIN 439 B (1987) NEN 2334 B</small> Metric	 <small>Page 3-34 DIN 439 B (1987) NEN 2334 B</small> Metric fine	 <small>Page 3-37 ANSI =B18.2.2</small> UNC
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 <small>Page 3-44</small> Extra high metric	 <small>Page 3-45</small> With internal en external thread	 <small>Page 3-46</small> With 2x internal thread	 <small>Page 3-47</small> Reducer	 <small>Page 3-48 ISO 7040 DIN 985 (1987)</small> Metric
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 <small>Page 3-58</small> BSW	 <small>Page 3-59</small> Stainless steel Metric	 <small>Page 3-60</small> Plastic, metric	 <small>Page 3-61 ISO 7042 DIN 980V (1987)</small> Metric	 <small>Page 3-63 ISO 10513 DIN 980V (1987)</small> Metric fine
 <small>Page 3-64</small> Type H100-ESN Metric	 <small>Page 3-66</small> Type H130-ESN Metric	 <small>Page 3-67</small> Type USN Metric	 <small>Page 3-68</small> RIPP Metric	 <small>Page 3-70</small> SECURIT Metric
 <small>Page 3-71</small> TENSILOCK Metric	 <small>Page 3-73 ISO 4161 DIN 6923 (1983)</small> With flange Metric	 <small>Page 3-75 ISO =4161 DIN =6923 (1983)</small> With toothed flange Metric	 <small>Page 3-76 ISO 7043 DIN 6926</small> With plastic insert Metric	 <small>Page 3-76</small> NORDLOCK
 <small>Page 3-77</small> COMBI Metric	 <small>Page 3-78 DIN 7967 NF E27-460</small> PAL Metric	 <small>Page 3-79 DIN 935-1 NEN 729</small> Metric	 <small>Page 3-81 DIN 935 NEN 729</small> Metric fine	 <small>Page 3-82 DIN 979</small> Low Metric

Nuts/rievet nuts/inserts **3**

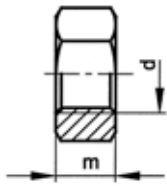
3

 <p>Page 3-83 DIN 979</p> <p>Low Metric fine</p>	 <p>Page 3-84 BS ≈1768</p> <p>UNF</p>	 <p>Page 3-86</p> <p>KALEI Metric</p>	 <p>Page 3-88</p> <p>Round Metric</p>	 <p>Page 3-89 DIN 1587 (1987) NEN 1618</p> <p>Metric</p>
 <p>Page 3-92</p> <p>BSW</p>	 <p>Page 3-93 DIN ≈1587 (1987) NEN ≈1618</p> <p>With welded cap Metric</p>	 <p>Page 3-94 ISO 1617 DIN 917</p> <p>Low Metric</p>	 <p>Page 3-96 DIN ≈986</p> <p>With plastic insert Metric</p>	 <p>Page 3-97 ANSI ≈B18.17</p> <p>American model Metric</p>
 <p>Page 3-98 DIN 315 NEN 1625</p> <p>Round wings Metric</p>	 <p>Page 3-99 DIN ≈313 (1956) NEN ≈2324 (1960)</p> <p>BSW</p>	 <p>Page 3-100</p> <p>With collar Metric, plastic</p>	 <p>Page 3-100</p> <p>Metric, plastic</p>	 <p>Page 3-101 DIN 929</p> <p>Hexagon Metric</p>
 <p>Page 3-102</p> <p>With flange Metric</p>	 <p>Page 3-103</p> <p>Spot welded Metric</p>	 <p>Page 3-104 DIN 928</p> <p>Square Metric</p>	 <p>Page 3-105 DIN 466</p> <p>High Metric</p>	 <p>Page 3-106 DIN 467</p> <p>Low Metric</p>
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 <p>Page 3-114</p> <p>Type SNU</p>	 <p>Page 3-115 DIN 1804 W</p> <p>For hook spanner Metric</p>	 <p>Page 3-117 DIN 546</p> <p>With slotted Metric</p>	 <p>Page 3-118</p> <p>Round Metric</p>	 <p>Page 3-119</p> <p>Type GUK Metric fine</p>
 <p>Page 3-120</p> <p>With slot Metric</p>	 <p>Page 3-122</p> <p>Jacknut</p>	 <p>Page 3-123</p> <p>Blind rivet nuts cylindrical stainless steel</p>	 <p>Page 3-124</p> <p>Blind rivet nuts counters. stainless steel</p>	 <p>Page 3-125</p> <p>Blind rivet nuts cylindrical</p>
 <p>Page 3-126</p> <p>Blind rivet nuts counters. open steel zinc</p>	 <p>Page 3-127</p> <p>Blind rivet nuts cyl. steel zinc hexagon</p>	 <p>Page 3-128</p> <p>Blind rivet nuts cylindrical steel zinc</p>	 <p>Page 3-129</p> <p>Blind rivet nuts countersunk steel zinc</p>	 <p>Page 3-130</p> <p>Blind rivet nuts cylindrical aluminium</p>
 <p>Page 3-131</p> <p>Blind rivet nuts countersunk aluminium</p>	 <p>Page 3-132</p> <p>Blind rivet nuts cylindrical aluminium</p>	 <p>Page 3-133</p> <p>Blind rivet nuts reduced countersunk steel zinc</p>	 <p>Page 3-133</p> <p>Blind rivet nuts reduced counters. stainless steel</p>	 <p>Page 3-134</p> <p>Blind rivet nuts reduced counters. open steel zinc</p>
 <p>Page 3-135</p> <p>Blind rivet screw cylindrical steel zinc</p>	 <p>Page 3-136</p> <p>Blind rivet tool</p>	 <p>Page 3-138</p> <p>Set</p>	 <p>Page 3-140</p> <p>AMECOIL Machine tap Metric</p>	 <p>Page 3-141</p> <p>AMECOIL Machine tap Metric fine</p>

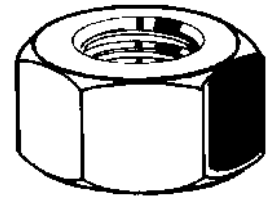
Nuts/rivet nuts/inserts **3**

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 Page 3-166 Type 610	 Page 3-167 Type 620	 Page 3-168 Type 620	 Page 3-169 Type 6102	

Hexagon nut



DIN 934 (1987)
NEN 1560
NF E25-401



Technical data

d	P	m	s
M1	0,25	0,8	2,5
M1,2	0,25	1	3
M1,4	0,3	1,2	3
M1,6	0,35	1,3	3,2
M1,7 (#DIN)	0,35	1,4	3,5
M2	0,4	1,6	4
M2,3 (#DIN)	0,4	1,8	4,5
M2,5	0,45	2	5
M2,6 (#DIN)	0,45	2	5
M3	0,5	2,4	5,5
M3,5	0,6	2,8	6
M4	0,7	3,2	7
M5	0,8	4	8
M6	1	5	10
M7	1	5,5	11
M8	1,25	6,5	13
M10 (#DIN)	1,5	8	15
M10	1,5	8	17
M12	1,75	10	19
M14	2	11	22
M16	2	13	24
M18	2,5	15	27
M20	2,5	16	30
M22	2,5	18	32
M24	3	19	36
M27	3	22	41
M30	3,5	24	46
M33	3,5	26	50
M36	4	29	55
M39	4	31	60
M42	4,5	34	65
M45	4,5	36	70
M48	5	38	75
M52	5	42	80
M56	5,5	45	85
M60	5,5	48	90
M64	6	51	95
M68	6	54	100
M72X6	6	58	105
M76X6	6	61	110
M80X6	6	64	115
M90X6	6	72	130
M100X6	6	80	145
M110X6	6	88	155

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Thread	Driving features	Material	Class	Surface treatment	Colour	Packaging	Code	Page
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M	hexagon	St	8	ZNTHP-NC6		Standard	01325	3-6
M	hexagon	St	8	Zipl		Standard	01300	3-6
M	hexagon	St	8	Zipl		Large	01310	3-6
M	hexagon	St	8	Zipl	left hand	Standard	11042	3-6
M	hexagon	St	8	Zipl yell.p.		Standard	01320	3-7
M	hexagon	St	8	Zipl blk p.		Standard	01326	3-7
M	hexagon	St	8	Hot d.g.	iso metric	Standard	01500	3-7
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Thread	Driving features	Material	Class	Surface treatment	Colour	Packaging	Code	Page
M	hexagon	St	10			Standard	04120	3-8
M	hexagon	St	8	FLZNNC-NC6		Standard	01336	3-8
M	hexagon	St	10	FLZNNC-NC6		Standard	04125	3-8
M	hexagon	St	10	Zipl		Standard	04121	3-8
M	hexagon	St	12			Standard	04190	3-8
M	hexagon	Free-cutting steel	6	Zipl	turned	Standard	11300	3-9
M	hexagon	St.St. A2	70			Standard	51080	3-9
M	hexagon	St.St. A2	70		COMBIFLON	Standard	51082	3-9
M	hexagon	St.St. A2	70			Large	51100	3-9
M	hexagon	St.St. A2	70		METALFORM	Standard	51089	3-10
M	hexagon	St.St. A2	70		left hand	Standard	51162	3-10
M	hexagon	St.St. A4	70			Standard	55080	3-10
M	hexagon	St.St. A4	70			Large	55100	3-10
M	hexagon	St.St. A4	80			Standard	53580	3-11
M	hexagon	Al Sopral P40				Standard	45080	3-11
M	hexagon	Al Sopral P60				Standard	45280	3-11
M	hexagon	Kuprodur Cu5	60			Standard	45850	3-11
M	hexagon	Ti ASTM	Gr.2			Standard	45920	3-11
M	hexagon	Br Cu2/Cu3		Ni.pl.		Standard	47000	3-12
M	hexagon	Plastic PA	PA 6.6		White	Standard	56200	3-12

01100 Hexagon nut A01B

Thread: Metric thread
 Material: Steel
 Class: |8|
 Packaging: Standard

d	Art.number	d	Art.number	d	Art.number
M2,5	250 01100.025.001	M20	50 01100.200.001	M56	1 01100.560.001
M3	250 01100.030.001	M22	25 01100.220.001	M60	1 01100.600.001
M4	250 01100.040.001	M24	25 01100.240.001	M64	1 01100.640.001
M5	250 01100.050.001	M27	10 01100.270.001	M68	1 01100.680.001
M6	250 01100.060.001	M30	10 01100.300.001	M72X6,00	1 01100.720.001
M7	250 01100.070.001	M33	5 01100.330.001	M76X6,00	1 01100.760.001
M8	250 01100.080.001	M36	5 01100.360.001	M80X6,00	1 01100.800.001
M10	250 01100.100.001	M39	5 01100.390.001	M90X6,00	1 01100.900.001
M12	100 01100.120.001	M42	5 01100.420.001	M100X6,00	1 01100.982.001
M14	100 01100.140.001	M45	4 01100.450.001	M110X6,00	1 01100.984.001
M16	100 01100.160.001	M48	4 01100.480.001		
M18	50 01100.180.001	M52	1 01100.520.001		

01110 Hexagon nut A01B

Thread: Metric thread
 Material: Steel
 Class: |8|
 Packaging: Large

d	Art.number	d	Art.number	d	Art.number
M3	2500 01110.030.001	M10	1000 01110.100.001	M20	150 01110.200.001
M4	2500 01110.040.001	M12	700 01110.120.001	M24	50 01110.240.001
M5	2500 01110.050.001	M14	400 01110.140.001	M27	50 01110.270.001
M6	2000 01110.060.001	M16	300 01110.160.001	M30	50 01110.300.001
M8	2000 01110.080.001	M18	200 01110.180.001		

11040 Hexagon nut left hand thread F01A

Thread: Metric thread
 Material: Steel
 Class: |8|
 Packaging: Standard

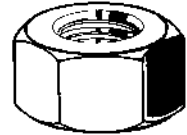
d	Art.number	d	Art.number	d	Art.number
M4	250 11040.040.001	M12	50 11040.120.001	M22	10 11040.220.001
M5	250 11040.050.001	M14	50 11040.140.001	M24	10 11040.240.001
M6	250 11040.060.001	M16	50 11040.160.001	M27	5 11040.270.001
M8	100 11040.080.001	M18	25 11040.180.001	M30	5 11040.300.001
M10	100 11040.100.001	M20	25 11040.200.001	M33	2 11040.330.001
M10 s=15	100 11040.100.150			M36	2 11040.360.001
				M39	2 11040.390.001

11040 Hexagon nut left hand thread

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M42	2	11040.420.001						
M48	2	11040.480.001						

01325 Hexagon nut
A95A

Thread	Metric thread
Material	Steel
Class	[8]
Surface treatment	Galvanized thick Cr3+ passivated
Packaging	Standard

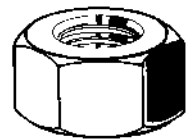


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	01325.040.001	M8	250	01325.080.001	M16	100	01325.160.001
M5	250	01325.050.001	M10	250	01325.100.001			
M6	250	01325.060.001	M12	100	01325.120.001			

- Technical brochure available on request.

01300 Hexagon nut
A05B

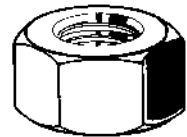
Thread	Metric thread
Material	Steel
Class	[8]
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	1000	01300.020.001	M14	100	01300.140.001	M39	5	01300.390.001
M2,5	1000	01300.025.001	M16	100	01300.160.001	M42	5	01300.420.001
M3	250	01300.030.001	M18	50	01300.180.001	M45	4	01300.450.001
M4	250	01300.040.001	M20	50	01300.200.001	M48	4	01300.480.001
M5	250	01300.050.001	M22	25	01300.220.001	M52	1	01300.520.001
M6	250	01300.060.001	M24	25	01300.240.001	M56	1	01300.560.001
M7	250	01300.070.001	M27	10	01300.270.001	M60	1	01300.600.001
M8	250	01300.080.001	M30	10	01300.300.001	M64	1	01300.640.001
M10	250	01300.100.001	M33	5	01300.330.001			
M12	100	01300.120.001	M36	5	01300.360.001			

01310 Hexagon nut
A05B

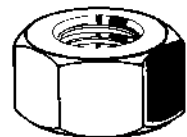
Thread	Metric thread
Material	Steel
Class	[8]
Surface treatment	Zinc plated
Packaging	Large



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	2500	01310.030.001	M10	1000	01310.100.001	M20	150	01310.200.001
M4	2500	01310.040.001	M12	700	01310.120.001	M24	50	01310.240.001
M5	2500	01310.050.001	M14	400	01310.140.001	M27	50	01310.270.001
M6	2000	01310.060.001	M16	300	01310.160.001	M30	50	01310.300.001
M8	2000	01310.080.001	M18	200	01310.180.001			

11042 Hexagon nut left hand thread
F01A

Thread	Metric thread
Material	Steel
Class	[8]
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	11042.040.001	M8	100	11042.080.001	M16	50	11042.160.001
M5	250	11042.050.001	M10	100	11042.100.001			
M6	250	11042.060.001	M12	50	11042.120.001			

3

01320 Hexagon nut		A06A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	01320.030.001	M12	100	01320.120.001	M27	10	01320.270.001
M4	250	01320.040.001	M14	100	01320.140.001	M30	10	01320.300.001
M5	250	01320.050.001	M16	100	01320.160.001	M33	5	01320.330.001
M6	250	01320.060.001	M18	50	01320.180.001	M36	5	01320.360.001
M7	250	01320.070.001	M20	50	01320.200.001	M39	5	01320.390.001
M8	250	01320.080.001	M22	25	01320.220.001	M42	5	01320.420.001
M10	250	01320.100.001	M24	25	01320.240.001			

3

01326 Hexagon nut		A06A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Zinc plated black passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	01326.030.001	M8	250	01326.080.001	M16	100	01326.160.001
M4	250	01326.040.001	M10	250	01326.100.001	M20	50	01326.200.001
M5	250	01326.050.001	M12	100	01326.120.001	M24	25	01326.240.001
M6	250	01326.060.001	M14	100	01326.140.001			

01500 Hexagon nut iso-metric fitting thread		A07A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Hot dip galvanized	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	100	01500.060.001	M18	50	01500.180.001	M33	5	01500.330.001
M8	100	01500.080.001	M20	50	01500.200.001	M36	5	01500.360.001
M10	100	01500.100.001	M22	50	01500.220.001	M39	3	01500.390.001
M12	100	01500.120.001	M24	50	01500.240.001	M42	3	01500.420.001
M14	100	01500.140.001	M27	10	01500.270.001			
M16	50	01500.160.001	M30	10	01500.300.001			

- These hexagon nuts are used among other to hot dip galvanized bolts and screws with ISO-METRIC FITTING thread and to hot dip galvanized threaded rods with ISO-METRIC FITTING thread.
- The nuts are tapped AFTER galvanizing and meet the tolerances 6H.
- The corrosion resistance is not influenced disadvantageously, with assembled nuts, by the uncoated thread.

01560 Hexagon nut oversized thread		A07A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Hot dip galvanized	
Packaging	Standard	

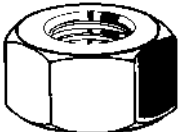
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M8	250	01560.080.001	M22	25	01560.220.001	M42	5	01560.420.001
M10	250	01560.100.001	M24	25	01560.240.001	M45	4	01560.450.001
M12	100	01560.120.001	M27	25	01560.270.001	M48	4	01560.480.001
M14	100	01560.140.001	M30	10	01560.300.001	M52	1	01560.520.001
M16	100	01560.160.001	M33	5	01560.330.001	M60	1	01560.600.001
M18	50	01560.180.001	M36	5	01560.360.001	M64	1	01560.640.001
M20	50	01560.200.001	M39	5	01560.390.001			

- These hexagon nuts are used among other to hot dip galvanized hexagon bolts with OVERSIZED thread and to hot dip galvanized threaded rods with OVERSIZED thread.
- The nuts are tapped AFTER galvanizing and DO NOT meet the ISO-metric tolerances.
- The corrosion resistance is not influenced disadvantageously, with assembled nuts, by the uncoated thread.

3

04120 Hexagon nut		C01C
Thread	Metric thread	
Material	Steel	
Class	[10]	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	04120.050.001	M16	100	04120.160.001	M30	25	04120.300.001
M6	250	04120.060.001	M18	50	04120.180.001	M33	5	04120.330.001
M8	250	04120.080.001	M20	50	04120.200.001	M36	5	04120.360.001
M10	250	04120.100.001	M22	25	04120.220.001	M39	5	04120.390.001
M12	100	04120.120.001	M24	25	04120.240.001	M42	5	04120.420.001
M14	100	04120.140.001	M27	25	04120.270.001	M48	5	04120.480.001

01336 Hexagon nut		A96A
Thread	Metric thread	
Material	Steel	
Class	[8]	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	01336.040.001	M12	700	01336.120.001	M22	125	01336.220.001
M5	250	01336.050.001	M14	400	01336.140.001	M24	50	01336.240.001
M6	2000	01336.060.001	M16	300	01336.160.001	M27	50	01336.270.001
M8	2000	01336.080.001	M18	200	01336.180.001	M30	50	01336.300.001
M10	1000	01336.100.001	M20	150	01336.200.001	M36	25	01336.360.001

04125 Hexagon nut		C02A
Thread	Metric thread	
Material	Steel	
Class	[10]	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	04125.040.001	M10	250	04125.100.001	M20	50	04125.200.001
M5	250	04125.050.001	M12	100	04125.120.001	M24	25	04125.240.001
M6	250	04125.060.001	M14	100	04125.140.001	M30	25	04125.300.001
M8	250	04125.080.001	M16	100	04125.160.001			

• Technical brochure available on request.

04121 Hexagon nut		C01C
Thread	Metric thread	
Material	Steel	
Class	[10]	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	04121.030.001	M8	250	04121.080.001	M16	100	04121.160.001
M4	250	04121.040.001	M10	250	04121.100.001	M20	50	04121.200.001
M5	250	04121.050.001	M12	100	04121.120.001	M24	25	04121.240.001
M6	250	04121.060.001	M14	100	04121.140.001			

04190 Hexagon nut		C01C
Thread	Metric thread	
Material	Steel	
Class	[12]	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	04190.060.001	M12	100	04190.120.001	M20	50	04190.200.001
M8	250	04190.080.001	M14	100	04190.140.001	M24	25	04190.240.001
M10	250	04190.100.001	M16	100	04190.160.001	M30	25	04190.300.001

11300	Hexagon nut turned	F01A
Thread	Metric thread	
Material	Free-cutting steel	
Class	[6]	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M1,6	500	11300.016.001	M2,3	500	11300.023.001	M2,6	500	11300.026.001
M2	500	11300.020.001	M2,5	500	11300.025.001	M3,5	250	11300.035.001

51080	Hexagon nut	Q01A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M1	200	51080.010.001	M7	200	51080.070.001	M27	10	51080.270.001
M1,2	200	51080.012.001	M8	200	51080.080.001	M30	5	51080.300.001
M1,4	200	51080.014.001	M10	200	51080.100.001	M33	5	51080.330.001
M1,6	200	51080.016.001	M12	200	51080.120.001	M36	5	51080.360.001
M2	500	51080.020.001	M14	100	51080.140.001	M39	5	51080.390.001
M2,5	500	51080.025.001	M16	100	51080.160.001	M42	5	51080.420.001
M3	500	51080.030.001	M18	50	51080.180.001	M45	5	51080.450.001
M4	500	51080.040.001	M20	50	51080.200.001	M48	5	51080.480.001
M5	500	51080.050.001	M22	20	51080.220.001	M52 *	5	51080.520.001
M6	500	51080.060.001	M24	20	51080.240.001			

• Sizes with a diameter > M24 are minimal property class 50.

51082	Hexagon nut COMBIFLON	R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	51082.060.001	M10	100	51082.100.001	M16	50	51082.160.001
M8	100	51082.080.001	M12	100	51082.120.001	M20	25	51082.200.001

- Specific features Combiflon:
- It's a fixed dry film coating, colour silver, with reducing effect on galling.
- It levels out the big scatter in coefficient of friction and reduces the average value.
- For a bolt /nut assembly only one product (e.g. the nut) needs to be treated with Combiflon.
- Reduces Bi-metallic corrosion.

51100	Hexagon nut	Q01A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Large	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	2500	51100.030.001	M8	2000	51100.080.001	M20	150	51100.200.001
M4	2500	51100.040.001	M10	1000	51100.100.001	M24	50	51100.240.001
M5	2500	51100.050.001	M12	700	51100.120.001	M27	25	51100.270.001
M6	2000	51100.060.001	M16	300	51100.160.001	M30	10	51100.300.001

• Sizes with a diameter > M24 are minimal property class 50.

51089 Hexagon nut METALFORM		Q01A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	51089.040.001	M8	100	51089.080.001	M16	50	51089.160.001
M5	250	51089.050.001	M10	100	51089.100.001	M20	25	51089.200.001
M6	250	51089.060.001	M12	100	51089.120.001	M24	10	51089.240.001

3

- Special features of METALFORM:
- Is a dry partly visible lubricant which eliminates the possibility of seizure of threaded stainless steel fasteners.
- In addition the friction coefficient is reduced to a more constant value.
- In a bolt/nut combination it's sufficient that only the nut is lubricated to prevent seizure with METALFORM.
- Can be removed very easily with a solvent after application, so there's no objection of using this application in the food industry.

51162 Hexagon nut left hand thread		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	51162.040.001	M12	25	51162.120.001	M22	5	51162.220.001
M5	100	51162.050.001	M14	25	51162.140.001	M24	5	51162.240.001
M6	100	51162.060.001	M16	10	51162.160.001	M27 *	10	51162.270.001
M8	50	51162.080.001	M18	10	51162.180.001	M30	3	51162.300.001
M10	50	51162.100.001	M20	10	51162.200.001			

- Sizes with a diameter > M24 are minimal property class 50.

55080 Hexagon nut		Q41A
Thread	Metric thread	
Material	Stainless steel A4	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M1,6	200	55080.016.001	M10	200	55080.100.001	M30	5	55080.300.001
M2	500	55080.020.001	M12	200	55080.120.001	M33	5	55080.330.001
M2,5	500	55080.025.001	M14	100	55080.140.001	M36	5	55080.360.001
M3	500	55080.030.001	M16	100	55080.160.001	M39	5	55080.390.001
M4	500	55080.040.001	M18	50	55080.180.001	M42	5	55080.420.001
M5	500	55080.050.001	M20	50	55080.200.001	M45	5	55080.450.001
M6	500	55080.060.001	M22	20	55080.220.001	M48	5	55080.480.001
M7	200	55080.070.001	M24	20	55080.240.001	M52 *	5	55080.520.001
M8	200	55080.080.001	M27	10	55080.270.001			

- Sizes with a diameter > M24 are minimal property class 50.

55100 Hexagon nut		Q41A
Thread	Metric thread	
Material	Stainless steel A4	
Class	70	
Packaging	Large	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	2500	55100.030.001	M6	2000	55100.060.001	M12	700	55100.120.001
M4	2500	55100.040.001	M8	2000	55100.080.001	M16	300	55100.160.001
M5	2500	55100.050.001	M10	1000	55100.100.001			

- Sizes with a diameter > M24 are minimal property class 50.

53580	Hexagon nut						R11A
Thread	Metric thread						
Material	Stainless steel A4						
Class	80						
Packaging	Standard						

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	100	53580.060.001	M12	25	53580.120.001	M24	10	53580.240.001
M8	50	53580.080.001	M16	25	53580.160.001			
M10	50	53580.100.001	M20	10	53580.200.001			

45080	Hexagon nut						W01A
Thread	Metric thread						
Material	Aluminium Sopral P40						
Packaging	Standard						

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	45080.030.001	M6	250	45080.060.001	M12	100	45080.120.001
M4	250	45080.040.001	M8	100	45080.080.001			
M5	250	45080.050.001	M10	100	45080.100.001			

45280	Hexagon nut						W01A
Thread	Metric thread						
Material	Aluminium Sopral P60						
Packaging	Standard						

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	45280.060.001	M12	100	45280.120.001	M24	10	45280.240.001
M8	100	45280.080.001	M16	50	45280.160.001			
M10	100	45280.100.001	M20	25	45280.200.001			

45850	Hexagon nut						M11A
Thread	Metric thread						
Material	Kuprodur Cu5						
Class	60						
Packaging	Standard						

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	100	45850.060.001	M10	50	45850.100.001	M16	10	45850.160.001
M8	50	45850.080.001	M12	25	45850.120.001			

45920	Hexagon nut						W01A
Thread	Metric thread						
Material	Titanium ASTM						
Class	Gr.2						
Packaging	Standard						
	DIN ≈934 (1987)						
	NEN ≈1560						
	NF ≈E25-401						

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	25	45920.060.001	M8	25	45920.080.001	M10	10	45920.100.001

- Titanium ASTM Grade 2 (materialnumber 3.7035) with a high percentage of pure titanium, ensures product stability and -suitability in extremely corrosive environments where other materials i.e. stainless steel fail.
- Titanium Grade 2 is also suitable for other light loaded applications.

3

47000 Hexagon nut		M01A
Thread	Metric thread	
Material	Brass Cu2/Cu3	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	250	47000.020.001	M7	250	47000.070.001	M18	10	47000.180.001
M2,5	250	47000.025.001	M8	250	47000.080.001	M20	10	47000.200.001
M3	250	47000.030.001	M10	100	47000.100.001	M22	10	47000.220.001
M4	250	47000.040.001	M12	50	47000.120.001	M24	10	47000.240.001
M5	250	47000.050.001	M14	50	47000.140.001	M27	10	47000.270.001
M6	250	47000.060.001	M16	25	47000.160.001	M30	5	47000.300.001

47050 Hexagon nut		M01A
Thread	Metric thread	
Material	Brass Cu2/Cu3	
Surface treatment	Nickel plated	
Packaging	Standard	

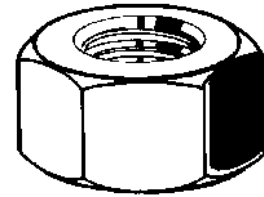
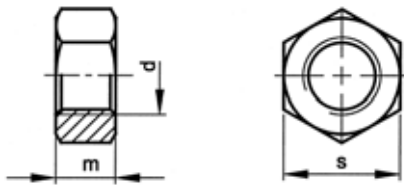
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M1,4	500	47050.014.001	M3,5	250	47050.035.001	M10	100	47050.100.001
M1,6	500	47050.016.001	M4	250	47050.040.001	M12	50	47050.120.001
M2	250	47050.020.001	M5	250	47050.050.001	M16	25	47050.160.001
M2,5	250	47050.025.001	M6	250	47050.060.001			
M3	250	47050.030.001	M8	250	47050.080.001			

56200 Hexagon nut plastic		W02A
Thread	Metric thread	
Material	Plastic Polyamide (nylon)	
Class	PA 6.6	
Colour	White	
Packaging	Standard	
	DIN ≈934 (1987) NEN ≈1560 NF ≈E25-401	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	200	56200.030.001	M8	50	56200.080.001	M16	25	56200.160.001
M4	200	56200.040.001	M10	50	56200.100.001	M20	10	56200.200.001
M5	200	56200.050.001	M12	25	56200.120.001			
M6	100	56200.060.001	M14	25	56200.140.001			

Hexagon nut ISO

ISO 4032



Technical data

d	P	m (max.)	s
M2	0,4	1,6	4
M2,5	0,45	2	5
M3	0,5	2,4	5,5
M4	0,7	3,2	7
M5	0,8	4,7	8
M6	1	5,2	10
M8	1,25	6,8	13

d	P	m (max.)	s
M10	1,5	8,4	16
M12	1,75	10,8	18
M14	2	12,8	21
M16	2	14,8	24
M18	2,5	15,8	27
M20	2,5	18	30
M22	2,5	19,4	34

d	P	m (max.)	s
M24	3	21,5	36
M27	3	23,8	41
M30	3,5	25,6	46
M33	3,5	28,7	50
M36	4	31	55
M39	4,5	34	60

3

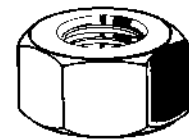
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8		Standard	01104	3-13
M	hexagon	St	8	Zipl	Standard	01301	3-13
M	hexagon	St	8	Zipl yell.p.	Standard	01321	3-14
M	hexagon	St	8	FLZNNC-NC6	Standard	01337	3-14
M	hexagon	St	10		Standard	04124	3-14
M	hexagon	St	10	Zipl	Standard	04127	3-14
M	hexagon	St	10	FLZNNC-NC6	Standard	04130	3-14
M	hexagon	St	5-2		Standard	08781	3-15

01104 Hexagon nut ISO

A01B

Thread	Metric thread
Material	Steel
Class	8
Packaging	Standard

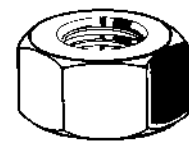


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	01104.030.001	M12	100	01104.120.001	M30	10	01104.300.001
M4	250	01104.040.001	M14	100	01104.140.001	M33	5	01104.330.001
M5	250	01104.050.001	M16	100	01104.160.001	M36	5	01104.360.001
M6	250	01104.060.001	M20	50	01104.200.001	M39	5	01104.390.001
M8	250	01104.080.001	M24	25	01104.240.001			
M10	250	01104.100.001	M27	10	01104.270.001			

01301 Hexagon nut ISO

A05B

Thread	Metric thread
Material	Steel
Class	8
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	1000	01301.020.001	M10	250	01301.100.001	M24	25	01301.240.001
M2,5	1000	01301.025.001	M12	100	01301.120.001	M27	10	01301.270.001
M3	250	01301.030.001	M14	100	01301.140.001	M30	10	01301.300.001
M4	250	01301.040.001	M16	100	01301.160.001	M33	5	01301.330.001
M5	250	01301.050.001	M18	50	01301.180.001	M36	5	01301.360.001
M6	250	01301.060.001	M20	50	01301.200.001	M 39	5	01301.390.001
M8	250	01301.080.001	M22	25	01301.220.001			

3

01321 Hexagon nut ISO		A06A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	01321.030.001	M12	100	01321.120.001	M27	10	01321.270.001
M4	250	01321.040.001	M14	100	01321.140.001	M30	10	01321.300.001
M5	250	01321.050.001	M16	100	01321.160.001	M33	5	01321.330.001
M6	250	01321.060.001	M18	50	01321.180.001	M36	5	01321.360.001
M8	250	01321.080.001	M20	50	01321.200.001			
M10	250	01321.100.001	M24	25	01321.240.001			

01337 Hexagon nut ISO		A96A
Thread	Metric thread	
Material	Steel	
Class	8	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	01337.030.001	M12	100	01337.120.001	M30	10	01337.300.001
M4	250	01337.040.001	M14	100	01337.140.001	M33	5	01337.330.001
M5	250	01337.050.001	M16	100	01337.160.001	M36	5	01337.360.001
M6	250	01337.060.001	M20	50	01337.200.001	M39	5	01337.390.001
M8	250	01337.080.001	M24	25	01337.240.001			
M10	250	01337.100.001	M27	10	01337.270.001			

04124 Hexagon nut ISO		A05B
Thread	Metric thread	
Material	Steel	
Class	10	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	04124.050.001	M16	100	04124.160.001	M30	10	04124.300.001
M6	250	04124.060.001	M18	50	04124.180.001	M33	5	04124.330.001
M8	250	04124.080.001	M20	50	04124.200.001	M36	5	04124.360.001
M10	250	04124.100.001	M22	50	04124.220.001	M39	5	04124.390.001
M12	100	04124.120.001	M24	25	04124.240.001			
M14	100	04124.140.001	M27	10	04124.270.001			

04127 Hexagon nut ISO		A05B
Thread	Metric thread	
Material	Steel	
Class	10	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	04127.030.001	M12	100	04127.120.001	M24	25	04127.240.001
M4	250	04127.040.001	M14	100	04127.140.001	M27	10	04127.270.001
M5	250	04127.050.001	M16	100	04127.160.001	M30	10	04127.300.001
M6	250	04127.060.001	M18	50	04127.180.001	M33	5	04127.330.001
M8	250	04127.080.001	M20	50	04127.200.001	M36	5	04127.360.001
M10	250	04127.100.001	M22	50	04127.220.001	M39	5	04127.390.001

04130 Hexagon nut ISO		C02A
Thread	Metric thread	
Material	Steel	
Class	10	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

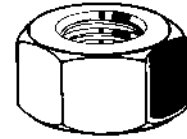
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	04130.050.001	M8	250	04130.080.001	M12	250	04130.120.001
M6	250	04130.060.001	M10	250	04130.100.001	M14	250	04130.140.001

04130 Hexagon nut ISO ←

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M16	100	04130.160.001	M24	25	04130.240.001	M36	5	04130.360.001
M18	100	04130.180.001	M27	10	04130.270.001	M39	5	04130.390.001
M20	100	04130.200.001	M30	10	04130.300.001			
M22	50	04130.220.001	M33	5	04130.330.001			

08781 Hexagon nut for pressure vessels etc. E11A

Thread	Metric thread	
Material	Steel	
Class	5-2	
Packaging	Standard	

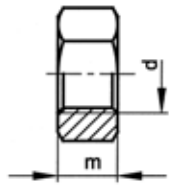


3

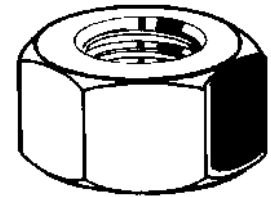
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M8	250	08781.080.001	M20	100	08781.200.001	M33	5	08781.330.001
M10	250	08781.100.001	M24	50	08781.240.001	M36	5	08781.360.001
M12	100	08781.120.001	M27	50	08781.270.001			
M16	100	08781.160.001	M30	25	08781.300.001			

- Special features hexagon nuts for pressure vessels etc.:
- Are intended for use in pressure vessels, steam apparatus, equipment and flanged joints at temperatures from – 10°C up to + 300°C, overpressures max. 40 bar and sizes up to and including M30.
- Meet the requirements of AD-Merkblatt W7, TRD 106 of the "Technischer Überwachungsverein (TÜV)" and resp. ISO 898-2 and DIN 267-13.
- According to TÜV-Merkblatt Werkstoffe 1253, the manufacturer has been certified to deliver these bolts without a 3.1 certificate, the trademark and class designation are sufficient.
- This certification is also accepted by the Dutch "STOOMWEZEN BV" and meets the requirements M0802.

Hexagon nut MF



DIN 934 (1987)
 NEN 1560
 NF E25-401



Technical data

d	m	s	d	m	s	d	m	s
M4 (#DIN)	3,2	7	M26 (#DIN)	22	41	M42	34	65
M5 (#DIN)	4	8	M27 (#DIN)	22	41	M45 (#DIN)	36	70
M6 (#DIN)	5	10	M27	22	41	M45	36	70
M8	6,5	13	M28 (#DIN)	22	41	M48 (#DIN)	38	75
M10	8	17	M30 (#DIN)	24	46	M48	38	75
M12 (#DIN)	10	19	M30	24	46	M52 (#DIN)	42	80
M12	10	19	M32 (#DIN)	26	50	M52	42	80
M14	11	22	M33 (#DIN)	26	50	M56 (#DIN)	45	85
M16	13	24	M33	26	50	M56	45	85
M18 (#DIN)	15	27	M36 (#DIN)	29	55	M60 (#DIN)	48	90
M18	15	27	M36	29	55	M60	48	90
M20	16	30	M38 (#DIN)	31	60	M64	51	95
M22 (#DIN)	18	32	M39 (#DIN)	31	60	M68	54	100
M22	18	32	M39	31	60			
M24 (#DIN)	19	36	M40 (#DIN)	31	60			
M24	19	36	M42 (#DIN)	34	65			

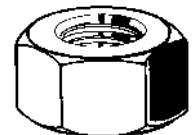
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
MF	hexagon	St	8		Standard	01120	3-16
MF	hexagon	St	8		left hand	Standard	01130 3-17
MF	hexagon	St	8	Zipl	Standard	01330	3-17
MF	hexagon	St	8	Zipl yell.p.	Standard	01340	3-17
MF	hexagon	St	10		Standard	04180	3-17
MF	hexagon	Free-cutting steel	6		left hand	Standard	11007 3-18
MF	hexagon	St.St. A2	70		Standard	51160	3-18
MF	hexagon	St.St. A4	70		Standard	55160	3-18

01120 Hexagon nut MF

A09A

Thread Metric fine thread
Material Steel
Class |8|
Packaging Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M4X0,75 (#DIN)	250	01120.040.075	M24X1,50 (#DIN)	25	01120.240.150	M40X1,50 (#DIN)	2	01120.400.150
M6X0,75 (#DIN)	250	01120.060.075	M24X2,00	25	01120.240.200	M40X2,00 (#DIN)	2	01120.400.200
M8X1,00	250	01120.080.100	M26X1,50 (#DIN)	10	01120.260.150	M42X1,50 (#DIN)	5	01120.420.150
M10X1,00	250	01120.100.100	M27X1,50 (#DIN)	25	01120.270.150	M42X3,00	5	01120.420.300
M10X1,25	250	01120.100.125	M27X2,00	25	01120.270.200	M45X1,50 (#DIN)	4	01120.450.150
M12X1,00 (#DIN)	100	01120.120.100	M28X2,00 (#DIN)	10	01120.280.200	M45X3,00	4	01120.450.300
M12X1,25	100	01120.120.125	M30X1,00 (#DIN)	10	01120.300.100	M48X1,50 (#DIN)	4	01120.480.150
M12X1,50	100	01120.120.150	M30X1,50 (#DIN)	25	01120.300.150	M48X2,00 (#DIN)	2	01120.480.200
M14X1,50	100	01120.140.150	M30X2,00	25	01120.300.200	M48X3,00	4	01120.480.300
M16X1,00	50	01120.160.100	M32X2,00 (#DIN)	5	01120.320.200	M52X1,50 (#DIN)	1	01120.520.150
M16X1,50	100	01120.160.150	M33X1,50 (#DIN)	10	01120.330.150	M52X3,00	1	01120.520.300
M18X1,00 (#DIN)	25	01120.180.100	M33X2,00	10	01120.330.200	M56X2,00 (#DIN)	1	01120.560.200
M18X1,50	50	01120.180.150	M36X1,50 (#DIN)	10	01120.360.150	M56X4,00	1	01120.560.400
M18X2,00	50	01120.180.200	M36X2,00 (#DIN)	10	01120.360.200	M60X2,00 (#DIN)	1	01120.600.200
M20X1,50	50	01120.200.150	M36X3,00	10	01120.360.300	M60X4,00	1	01120.600.400
M20X2,00	50	01120.200.200	M38X1,50 (#DIN)	2	01120.380.150	M64X4,00	1	01120.640.400
M22X1,00 (#DIN)	10	01120.220.100	M39X1,50 (#DIN)	5	01120.390.150			
M22X1,50	25	01120.220.150	M39X3,00	5	01120.390.300			
M22X2,00	25	01120.220.200						

01120 Hexagon nut MF ←

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M68X4,00		1	01120.680.400					

01130 Hexagon nut left hand thread A09A

Thread	Metric fine thread	
Material	Steel	
Class	8	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M12X1,25	50	01130.120.125	M24X2,00	10	01130.240.200	M36X1,50 (#DIN)	2	01130.360.150
M12X1,50	50	01130.120.150				M36X2,00 (#DIN)	2	01130.360.200
M14X1,50	50	01130.140.150	M27X1,50 (#DIN)	10	01130.270.150	M42X1,50 (#DIN)	1	01130.420.150
M16X1,50	25	01130.160.150	M27X2,00	10	01130.270.200	M45X3,00	1	01130.450.300
M18X1,50	10	01130.180.150	M30X1,50 (#DIN)	10	01130.300.150	M48X1,50 (#DIN)	1	01130.480.150
M20X2,00	10	01130.200.200	M30X2,00	10	01130.300.200	M48X3,00	1	01130.480.300
M22X2,00	10	01130.220.200						
M24X1,50 (#DIN)	10	01130.240.150	M33X2,00	5	01130.330.200			

01330 Hexagon nut MF A09A

Thread	Metric fine thread	
Material	Steel	
Class	8	
Surface treatment	Zinc plated	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M10X1,00	250	01330.100.100	M12X1,50	100	01330.120.150	M18X1,50	50	01330.180.150
M10X1,25	250	01330.100.125				M20X1,50	50	01330.200.150
M12X1,25	100	01330.120.125	M14X1,50	100	01330.140.150			
			M16X1,50	100	01330.160.150			

01340 Hexagon nut MF A09A

Thread	Metric fine thread	
Material	Steel	
Class	8	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M6X0,75 (#DIN)	250	01340.060.075	M18X2,00	50	01340.180.200	M27X2,00	25	01340.270.200
M8X1,00	250	01340.080.100				M30X1,50 (#DIN)	25	01340.300.150
M10X1,00	250	01340.100.100	M20X1,50	50	01340.200.150	M30X2,00	25	01340.300.200
M10X1,25	250	01340.100.125	M20X2,00	50	01340.200.200			
M12X1,00 (#DIN)	100	01340.120.100	M22X1,50	25	01340.220.150	M33X1,50 (#DIN)	10	01340.330.150
M12X1,25 (#DIN)	100	01340.120.125	M22X2,00	25	01340.220.200	M33X2,00	10	01340.330.200
M12X1,50 (#DIN)	100	01340.120.150						
M14X1,50	100	01340.140.150	M24X1,50 (#DIN)	25	01340.240.150	M36X1,50 (#DIN)	10	01340.360.150
M16X1,50	100	01340.160.150	M24X2,00	25	01340.240.200	M36X3,00	10	01340.360.300
M18X1,50	50	01340.180.150	M27X1,50 (#DIN)	25	01340.270.150			

04180 Hexagon nut MF C02A

Thread	Metric fine thread	
Material	Steel	
Class	10	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	250	04180.080.100	M12X1,50	100	04180.120.150	M20X1,50	50	04180.200.150
M10X1,00	250	04180.100.100				M22X1,50	50	04180.220.150
M10X1,25	250	04180.100.125	M14X1,50	100	04180.140.150	M24X2,00	50	04180.240.200
			M16X1,50	100	04180.160.150	M27X2,00	10	04180.270.200
M12X1,25	100	04180.120.125	M18X1,50	50	04180.180.150	M30X2,00	5	04180.300.200

11007 Hexagon nut turned, left hand thread		F01B
Thread	Metric fine thread	
Material	Free-cutting steel	
Class	[6]	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M10X1,00	250	11007.100.100	M20X2,00	50	11007.200.200	M33X2,00	5	11007.330.200
M12X1,25	100	11007.120.125	M24X1,50 (≠DIN)	25	11007.240.150	M36X1,50 (≠DIN)	5	11007.360.150
M12X1,50	100	11007.120.150	M24X2,00	25	11007.240.200	M45X3,00	4	11007.450.300
M14X1,50	100	11007.140.150	M27X2,00	25	11007.270.200	M48X1,50 (≠DIN)	4	11007.480.150
M16X1,50	100	11007.160.150	M30X1,50 (≠DIN)	25	11007.300.150			
M18X1,50	50	11007.180.150	M30X2,00	25	11007.300.200			

3

51160 Hexagon nut MF		R09A
Thread	Metric fine thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	100	51160.080.100	M16X1,50	50	51160.160.150	M27X1,50 *	25	51160.270.150
M10X1,00	100	51160.100.100	M18X1,50	25	51160.180.150	M27X2,00 *	25	51160.270.200
M10X1,25	100	51160.100.125	M20X1,50	25	51160.200.150			
M12X1,00 *	50	51160.120.100	M20X2,00 *	50	51160.200.200	M30X1,50 *	10	51160.300.150
M12X1,25	100	51160.120.125	M22X1,50	10	51160.220.150	M30X2,00 *	25	51160.300.200
M12X1,50	100	51160.120.150	M24X1,50 (≠DIN)	10	51160.240.150	M36X1,50 *	10	51160.360.150
M14X1,50	50	51160.140.150	M24X2,00	10	51160.240.200	M36X3,00 *	10	51160.360.300

- Sizes with a diameter > M24 are minimal property class 50.

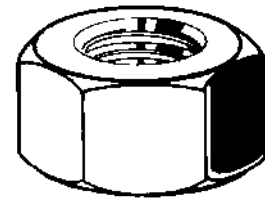
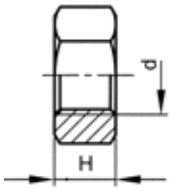
55160 Hexagon nut MF		R49A
Thread	Metric fine thread	
Material	Stainless steel A4	
Class	70	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	100	55160.080.100	M14X1,50	50	55160.140.150	M27X1,50 *	25	55160.270.150
M10X1,00	100	55160.100.100	M16X1,50	50	55160.160.150	M27X2,00 *	25	55160.270.200
M10X1,25	100	55160.100.125	M18X1,50	25	55160.180.150			
M12X1,25	100	55160.120.125	M20X1,50	25	55160.200.150	M30X1,50 (≠DIN)	25	55160.300.150
M12X1,50	100	55160.120.150	M22X1,50	10	55160.220.150			
			M24X1,50 (≠DIN)	10	55160.240.150			
			M24X2,00	10	55160.240.200			

- Sizes with a diameter > M24 are minimal property class 50.

Hexagon machine screw nut UNC

ANSI=B18.6.3



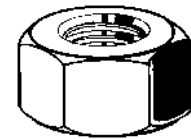
Technical data

d	Threads per inch	H	F
No.6	32	2,9	5/16
No.8	32	3,3	11/32
No.10	24	3,3	3/8
No.12	24	4,1	7/16

11740 Hexagon machine screw nut UNC

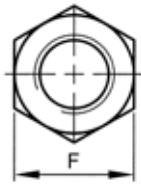
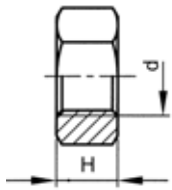
X09A

Thread	Unified National Coarse
Material	Free-cutting steel
Class	6
Surface treatment	Zinc plated
Packaging	Standard

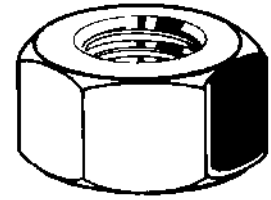


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
No.6 = 3,51MM	250	11740.035.001	No.10 = 4,83MM	250	11740.048.001			
No.8 = 4,17MM	250	11740.041.001	No.12 = 5,49MM	250	11740.054.001			

Hexagon nut UNC



ANSI ≈B18.2.2
 BS ≈1768



Technical data

d	Threads per inch	H	F
No.2	56	1,5	3/16
No.4	40	2,3	1/4
No.6	32	2,9	5/16
No.8	32	3,3	11/32
No.10	24	3,2	3/8
1/4	20	5,6	7/16
5/16	18	6,7	1/2
3/8	16	8,3	9/16
7/16	14	9,5	11/16
1/2	13	11,1	3/4
9/16	12	12,3	7/8
5/8	11	13,9	15/16
3/4	10	16,3	1.1/8
7/8	9	19	1.5/16
1.IN.	8	21,8	1.1/2
1.1/8	7	24,6	1.11/16
1.1/4	7	27	1.7/8
1.3/8	6	29,8	2.1/16
1.1/2	6	32,5	2.1/4
1.3/4	5	38,1	2.5/8
2.IN.	4,5	43,7	3.IN.
2.1/4	4,5	48,8	3.3/8
2.1/2	4	54,4	3.3/4
2.3/4	4	59,9	4.1/8
3.IN.	4	65,5	4.1/2

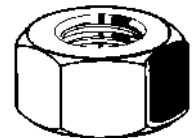
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
UNC	hexagon	St	Grade 5		Standard	02560	3-20
UNC	hexagon	St	Grade 5	Zipl	Standard	02600	3-21
UNC	hexagon	St.St. A2			Standard	51086	3-21
UNC	hexagon	St.St. A4			Standard	55086	3-21

02560 Hexagon nut UNC

X01A

Thread	Unified National Coarse
Material	Steel
Class	Grade 5
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	02560.063.001	3/4	50	02560.191.001	1.3/4	5	02560.444.001
5/16	250	02560.079.001	7/8	25	02560.222.001	2.IN.	1	02560.508.001
3/8	250	02560.096.001	1.IN.	25	02560.254.001	2.1/4	1	02560.571.001
7/16	100	02560.111.001	1.1/8	10	02560.285.001	2.1/2	1	02560.635.001
1/2	100	02560.127.001	1.1/4	10	02560.317.001	2.3/4	1	02560.698.001
9/16	100	02560.142.001	1.3/8	5	02560.349.001	3.IN.	1	02560.762.001
5/8	100	02560.158.001	1.1/2	5	02560.381.001			

- Grade 5 acc. to the American standard SAE J995 corresponds much the same with property class 8 acc. to DIN ISO 898-2.
- Depending on availability also the equal class S acc. to BS 1768 (markingsign S) can be supplied.

02600 Hexagon nut UNC		X01A
Thread	Unified National Coarse	
Material	Steel	
Class	Grade 5	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	02600.063.001	9/16	100	02600.142.001	1.1/8	10	02600.285.001
5/16	250	02600.079.001	5/8	100	02600.158.001	1.1/4	10	02600.317.001
3/8	250	02600.096.001	3/4	50	02600.191.001	1.1/2	5	02600.381.001
7/16	100	02600.111.001	7/8	25	02600.222.001			
1/2	100	02600.127.001	1.IN.	25	02600.254.001			

- Grade 5 acc. to the American standard SAE J995 corresponds much the same with property class 8 acc. to DIN ISO 898-2.
- Depending on availability also the equal class S acc. to BS 1768 (markingsign S) can be supplied.

3

51086 Hexagon nut UNC		X15A
Thread	Unified National Coarse	
Material	Stainless steel A2	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
No.2	100	51086.021.001	1/4	100	51086.063.001	5/8	25	51086.158.001
No.4	100	51086.028.001	5/16	100	51086.079.001	3/4	10	51086.191.001
No.6	100	51086.035.001	3/8	50	51086.096.001	7/8	5	51086.222.001
No.8	100	51086.041.001	7/16	50	51086.111.001	1IN	5	51086.254.001
No.10	100	51086.048.001	1/2	50	51086.127.001	1.1/2	1	51086.381.001

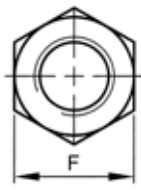
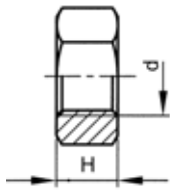
- Depending on availability the austenitic steel type is comparable to AISI 304 with mechanical properties acc. to ASTM F594.

55086 Hexagon nut UNC		X15A
Thread	Unified National Coarse	
Material	Stainless steel A4	
Packaging	Standard	

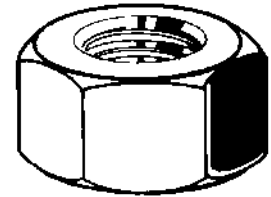
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	55086.063.001	5/8	25	55086.158.001	1.1/4	1	55086.317.001
5/16	100	55086.079.001	3/4	10	55086.191.001	1.1/2	1	55086.381.001
3/8	50	55086.096.001	7/8	5	55086.222.001			
1/2	50	55086.127.001	1IN	5	55086.254.001			

- Depending on availability the austenitic steel type is comparable to AISI 316 with mechanical properties acc. to ASTM F594.

Hexagon nut UNF



ANSI ≈B18.2.2
BS ≈1768



Technical data

d	Threads per inch	H	F
No.0	80	1,2	5/32
No.10	32	3,1	3/8
1/4	28	5,6	7/16
5/16	24	6,7	1/2
3/8	24	8,3	9/16
7/16	20	9,5	11/16
1/2	20	11,1	3/4
9/16	18	12,3	7/8
5/8	18	13,9	15/16
3/4	16	16,3	1.1/8
7/8	14	19	1.5/16
1.IN.-12G	12	21,8	1.1/2
1.IN.-14G	14	21,8	1.1/2
1.1/8	12	24,6	1.11/16
1.1/4	12	27	1.7/8
1.3/8	12	29,8	2.1/16
1.1/2	12	32,5	2.1/4
2.IN.	12	44	3.IN.

- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch (UNS).

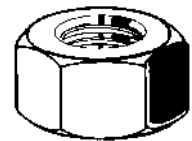
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
UNF	hexagon	St	Grade 5		Standard	02060	3-22
UNF	hexagon	St	Grade 5	Zipl	Standard	02100	3-22
UNF	hexagon	St.St. A2			Standard	51087	3-23

02060 Hexagon nut UNF

X01A

Thread	Unified National Fine
Material	Steel
Class	Grade 5
Packaging	Standard



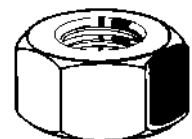
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	02060.063.001	9/16	100	02060.142.001	1-14G	25	02060.256.001
5/16	250	02060.079.001	5/8	100	02060.158.001	1.1/8	10	02060.285.001
3/8	250	02060.096.001	3/4	50	02060.191.001	1.1/4	10	02060.317.001
7/16	100	02060.111.001	7/8	25	02060.222.001	1.3/8	5	02060.349.001
1/2	100	02060.127.001	1-12G	25	02060.255.001	1.1/2	5	02060.381.001

- Grade 5 acc. to the American standard SAE J995 corresponds much the same with property class 8 acc. to DIN ISO 898-2.
- Depending on availability also the equal class S acc. to BS 1768 (markingsign S) can be supplied.

02100 Hexagon nut UNF

X01A

Thread	Unified National Fine
Material	Steel
Class	Grade 5
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	02100.063.001	9/16	100	02100.142.001	1.1/8	10	02100.285.001
5/16	250	02100.079.001	5/8	100	02100.158.001	1.1/4	10	02100.317.001
3/8	250	02100.096.001	3/4	50	02100.191.001	1.1/2	5	02100.381.001
7/16	100	02100.111.001	7/8	25	02100.222.001	2.IN.	1	02100.508.001
1/2	100	02100.127.001	1-14G	25	02100.256.001			

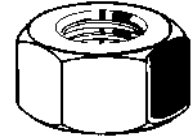
02100 Hexagon nut UNF ←

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
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- Grade 5 acc. to the American standard SAE J995 corresponds much the same with property class 8 acc. to DIN ISO 898-2.
- Depending on availability also the equal class S acc. to BS 1768 (markingsign S) can be supplied.

51087 Hexagon nut UNF X15A

Thread Unified National Fine
Material Stainless steel A2
Packaging Standard



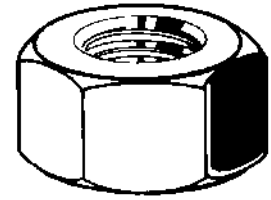
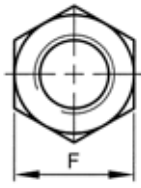
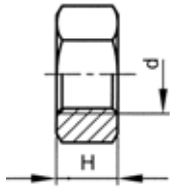
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
---	---	------------	---	---	------------	---	---	------------

No.10	100	51087.048.001	7/16	50	51087.111.001	7/8	1	51087.222.001
1/4	100	51087.063.001	1/2	50	51087.127.001	1-14G	1	51087.256.001
5/16	100	51087.079.001	5/8	25	51087.158.001			
3/8	50	51087.096.001	3/4	10	51087.191.001			

- Depending on availability the austenitic steel type is comparable to AISI 304 with mechanical properties acc. to ASTM F594.

Hexagon machine screw nut UNF

ANSI B18.6.3



Technical data

d	Threads per inch	H	F
No.4	48	2,5	1/4
No.5	44	2,9	5/16
No.6	40	2,9	5/16
No.8	36	3,3	11/32
No.10	32	3,3	3/8

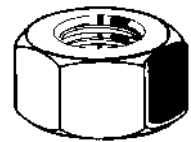
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
UNF	hexagon	Br Cu3			Standard	47170	3-24
UNF	hexagon	Free-cutting steel	6	Zipl	Standard	11750	3-24

47170 Hexagon machine screw nut UNF

X09A

Thread Unified National Fine
Material Brass Cu3
Packaging Standard

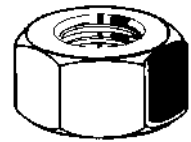


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
No.6-40 = 3,52MM	250	47170.035.001						
No.10-32 = 4,83MM	100	47170.048.001						

11750 Hexagon machine screw nut UNF

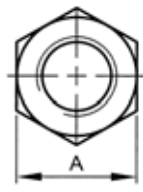
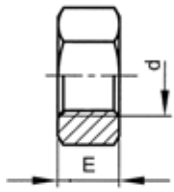
X09A

Thread Unified National Fine
Material Free-cutting steel
Class 6
Surface treatment Zinc plated
Packaging Standard
ANSI ≈B18.6.3

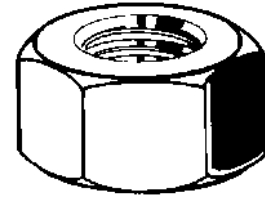


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
No.4 = 2,85MM	250	11750.028.001	No.8 = 4,17MM	250	11750.041.001			
No.5 = 3,18MM	250	11750.031.001	No.10 = 4,83MM	250	11750.048.001			

Hexagon nut BSF



BS ≈1083 (1965)



Technical data

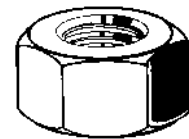
d	Threads per inch	E	A
1/4	26	5,1	0.445
5/16	22	6,4	0.525
3/8	20	7,9	0.6
7/16	18	9,5	0.71
1/2	16	11,1	0.82
5/8	14	14,3	1.01
3/4	12	17,5	1.2
7/8	11	19	1.3
1.IN.	10	22,2	1.48

- Whitworth thread (BSW/BSF) is not internationally recommended.
- It is advised to use metric (M/MF) or unified threads (UNC/UNF).

03060 Hexagon nut BSF

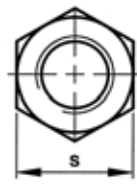
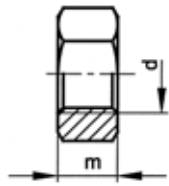
X90A

Thread British Standard Fine
Material Steel
Class ≥6
Packaging Standard

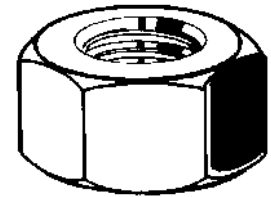


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	03060.063.001	7/16	100	03060.111.001	3/4	50	03060.191.001
5/16	100	03060.079.001	1/2	100	03060.127.001	7/8	25	03060.222.001
3/8	100	03060.096.001	5/8	50	03060.158.001	1.IN.	25	03060.254.001

Hexagon nut BSW



DIN ≈934 (1954)
 NEN ≈2338 (1960)



Technical data

d	Threads per inch	m	s
1/8	40	2,4	5,5
5/32	32	3,2	7
3/16	24	4,8	10
1/4	20	5,5	11
5/16	18	6,5	14
5/16 (#DIN)	18	6,5	13
3/8	16	8	17
7/16	14	9,5	19
1/2	12	11	22
9/16	12	11	22
5/8	11	13	27
3/4	10	16	32
7/8	9	18	36
1.IN.	8	20	41
1.1/8	7	22	46
1.1/4	7	25	50
1.3/8	6	28	55
1.1/2	6	30	60
1.5/8	5	32	65
1.3/4	5	35	70
2.IN.	4,5	40	80
2.1/4	4	45	85

- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).
- Depending on availability the dimensions may deviate.

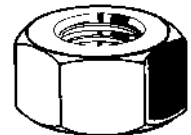
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
BSW	hexagon	St	8		Standard	03460	3-26
BSW	hexagon	St	8	Zipl	Standard	03600	3-26
BSW	hexagon	Free-cutting steel	6		turned	11200	3-27
BSW	hexagon	Br Cu3			Standard	47100	3-27

03460 Hexagon nut BSW

X03A

Thread	British Standard Whitworth
Material	Steel
Class	8
Packaging	Standard

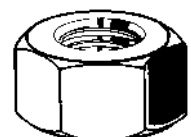


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
3/16	250	03460.047.001	7/16	100	03460.111.001	7/8	25	03460.222.001
1/4	250	03460.063.001	1/2	100	03460.127.001	1.IN.	25	03460.254.001
5/16	250	03460.079.001	5/8	100	03460.158.001			
3/8	250	03460.096.001	3/4	50	03460.191.001			

03600 Hexagon nut BSW

X03A

Thread	British Standard Whitworth
Material	Steel
Class	8
Surface treatment	Zinc plated
Packaging	Standard



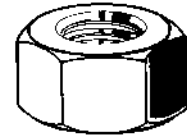
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
3/16	250	03600.047.001	5/16	250	03600.079.001	1/2	100	03600.127.001
1/4	250	03600.063.001	3/8	250	03600.096.001	5/8	100	03600.158.001

03600 Hexagon nut BSW ←

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
3/4	50	03600.191.001	7/8	25	03600.222.001	1.IN.	25	03600.254.001

11200 Hexagon machine screw nut X08A

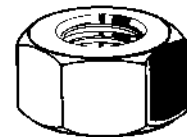
Thread British Standard Whitworth
Material Free-cutting steel
Class 6
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/8	250	11200.031.001	1/2	100	11200.127.001	1.1/4	10	11200.317.001
5/32	250	11200.039.001	9/16	100	11200.142.001	1.3/8	10	11200.349.001
3/16	250	11200.047.001	5/8	50	11200.158.001	1.1/2	5	11200.381.001
1/4	250	11200.063.001	3/4	25	11200.191.001	1.5/8	5	11200.412.001
5/16 (≠DIN)	250	11200.079.001	7/8	25	11200.222.001	1.3/4	4	11200.444.001
3/8	100	11200.096.001	1.IN.	25	11200.254.001	2.IN.	1	11200.508.001
7/16	100	11200.111.001	1.1/8	25	11200.285.001	2.1/4	1	11200.571.001

47100 Hexagon nut BSW X08A

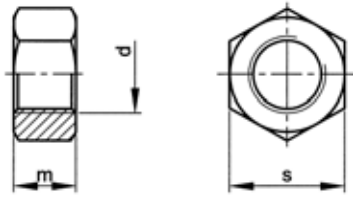
Thread British Standard Whitworth
Material Brass Cu3
Packaging Standard



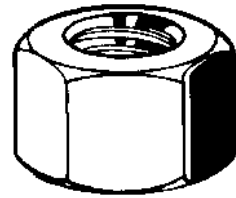
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/8	250	47100.031.001	5/16	250	47100.079.001	3/4	10	47100.191.001
5/32	250	47100.039.001	3/8	100	47100.096.001	7/8	10	47100.222.001
3/16	250	47100.047.001	1/2	50	47100.127.001	1IN	5	47100.254.001
1/4	250	47100.063.001	5/8	25	47100.158.001			

3

Hexagon machine screw nut BSW 1 x d



DIN ≈934 (1954)
 NEN ≈2338 (1960)



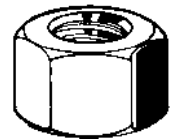
Technical data

d	Threads per inch	m	s
1/4	20	6,4	11
5/16	18	7,9	13
3/8	16	9,5	17
1/2	12	12,7	22
5/8	11	15,9	27
3/4	10	19,1	32
7/8	9	22,2	36
1.IN.	8	25,4	41
1.1/4	7	31,8	50
1.1/2	6	38,1	60
1.5/8	5	41,3	65
2.1/2	4	63,5	95

11280 Hexagon machine screw nut BSW 1 x d

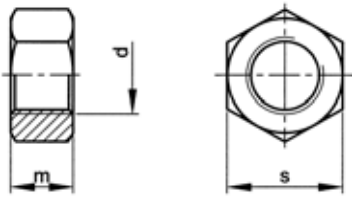
X08A

Thread British Standard Whitworth
Material Free-cutting steel
Class 6
Packaging Standard

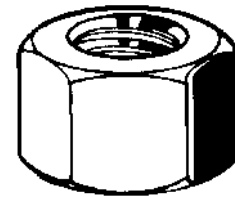


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
5/16	100	11280.079.001	5/8	50	11280.158.001	1.1/4	10	11280.317.001
3/8	100	11280.096.001	3/4	25	11280.191.001	1.1/2	5	11280.381.001
1/2	50	11280.127.001	1.IN.	10	11280.254.001	1.5/8	5	11280.412.001

Hexagon nut 1 x d



DIN ≈934 (1987)
 NEN ≈1560
 NF ≈E25-401



Technical data

d	P	m	s
M4	0,7	4	7
M5	0,8	5	8
M6	1	6	10
M8	1,25	8	13
M10	1,5	10	17
M12	1,75	12	19
M14	2	14	22
M16	2	16	24
M18	2,5	18	27

d	P	m	s
M20	2,5	20	30
M22	2,5	22	32
M24	3	24	36
M27	3	27	41
M30	3,5	30	46
M33	3,5	33	50
M36	4	36	55
M39	4	39	60
M42	4,5	42	65

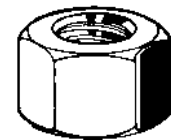
d	P	m	s
M45	4,5	45	70
M48	5	48	75
M52	5	52	80
M56	5,5	56	85
M60	5,5	60	90
M64	6	64	95
M68	6	68	100
M72x6	6	72	105
M76x6	6	76	110

3

11080 Hexagon nut 1 x d

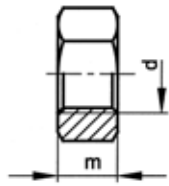
F01A

Thread Metric thread
Material Steel
Class ≥|6|
Packaging Standard

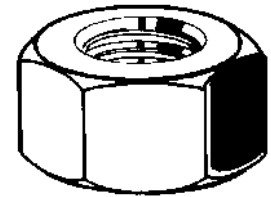


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	11080.040.001	M20	25	11080.200.001	M45	4	11080.450.001
M5	250	11080.050.001	M22	25	11080.220.001	M48	4	11080.480.001
M6	250	11080.060.001	M24	25	11080.240.001	M52	1	11080.520.001
M8	100	11080.080.001	M27	10	11080.270.001	M56	1	11080.560.001
M10	100	11080.100.001	M30	10	11080.300.001	M60	1	11080.600.001
M12	100	11080.120.001	M33	10	11080.330.001	M64	1	11080.640.001
M14	100	11080.140.001	M36	5	11080.360.001	M72X6,00	1	11080.720.001
M16	50	11080.160.001	M39	5	11080.390.001			
M18	25	11080.180.001	M42	5	11080.420.001			

Hexagon nut DIN 555



DIN 555 (1987)
 NEN 697
 NF E25-402



Technical data

d	P	m	s
M10	1,5	8	17
M12	1,75	10	19
M16	2	13	24
M18 (#DIN)	2,5	15	27
M20	2,5	16	30
M22	2,5	18	32
M24	3	19	36

d	P	m	s
M27	3	22	41
M30	3,5	24	46
M33	3,5	26	50
M36	4	29	55
M39	4	31	60
M42	4,5	34	65
M45	4,5	36	70

d	P	m	s
M48	5	38	75
M52	5	42	80
M56	5,5	45	85
M64	6	51	95

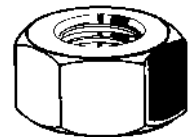
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	≥ 4		Standard	08100	3-30
M	hexagon	St	≥ 4	Zipl	Standard	08110	3-30

08100 Hexagon nut DIN 555

E01A

Thread	Metric thread
Material	Steel
Class	≥ 4
Packaging	Standard

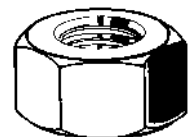


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M10	500	08100.100.001	M24	50	08100.240.001	M42	5	08100.420.001
M12	500	08100.120.001	M27	25	08100.270.001	M45	4	08100.450.001
M16	200	08100.160.001	M30	25	08100.300.001	M48	4	08100.480.001
M18 (#DIN)	100	08100.180.001	M33	10	08100.330.001	M52	4	08100.520.001
M20	100	08100.200.001	M36	10	08100.360.001	M56	1	08100.560.001
M22	50	08100.220.001	M39	5	08100.390.001	M64	1	08100.640.001

08110 Hexagon nut DIN 555

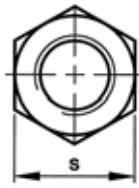
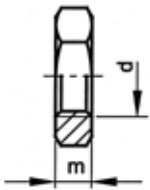
E03A

Thread	Metric thread
Material	Steel
Class	≥ 4
Surface treatment	Zinc plated
Packaging	Standard

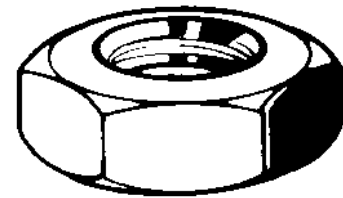


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M12	500	08110.120.001	M27	25	08110.270.001	M42	5	08110.420.001
M16	200	08110.160.001	M30	25	08110.300.001	M45	4	08110.450.001
M20	100	08110.200.001	M33	10	08110.330.001	M48	4	08110.480.001
M24	50	08110.240.001	M36	10	08110.360.001			

Hexagon thin nut



DIN 439 B (1987)
NEN 2334 B
ANSI B18.2.4.5M
NF E25-405-1



Technical data

d	P	m	s
M1,6	0,35	1	3,2
M2	0,4	1,2	4
M2,5	0,45	1,6	5
M3	0,5	1,8	5,5
M3,5	0,6	2	6
M4	0,7	2,2	7
M5	0,8	2,7	8
M6	1	3,2	10
M8	1,25	4	13
M10 (#DIN)	1,5	5	16
M10	1,5	5	17

d	P	m	s
M12 (#DIN)	1,75	6	18
M12	1,75	6	19
M14	2	7	22
M16	2	8	24
M18	2,5	9	27
M20	2,5	10	30
M22	2,5	11	32
M24	3	12	36
M27	3	13,5	41
M30	3,5	15	46
M33	3,5	16,5	50

d	P	m	s
M36	4	18	55
M39	4	19,5	60
M42	4,5	21	65
M45	4,5	22,5	70
M48	5	24	75
M52	5	26	80
M56 (#DIN)	5,5	28	85
M60 (#DIN)	5,5	30	90

3

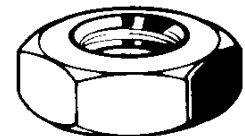
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	04		Standard	11060	3-31
M	hexagon	St	04	Zipl	Standard	11360	3-31
M	hexagon	St	04	Zipl	left hand	11382	3-32
M	hexagon	St	04	Zipl yell.p.	Standard	11350	3-32
M	hexagon	St	04	Hot d.g.	oversized	01580	3-32
M	hexagon	St	04	Hot d.g.	iso metric	01586	3-32
M	hexagon	St.St. A2	70		Standard	51090	3-33
M	hexagon	St.St. A2	70		left hand	51093	3-33
M	hexagon	St.St. A4	70		Standard	55090	3-33
M	hexagon	Br Cu2			Standard	47030	3-33

11060 Hexagon thin nut

F01A

Thread Metric thread
Material Steel
Class 04
Packaging Standard

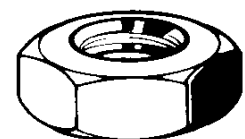


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	11060.030.001	M16	50	11060.160.001	M36	5	11060.360.001
M4	250	11060.040.001	M18	25	11060.180.001	M39	5	11060.390.001
M5	250	11060.050.001	M20	25	11060.200.001	M42	5	11060.420.001
M6	250	11060.060.001	M22	25	11060.220.001	M45	4	11060.450.001
M8	100	11060.080.001	M24	25	11060.240.001	M48	4	11060.480.001
M10	100	11060.100.001	M27	10	11060.270.001	M52	1	11060.520.001
M12	100	11060.120.001	M30	10	11060.300.001	M56	1	11060.560.001
M14	100	11060.140.001	M33	10	11060.330.001	M60	1	11060.600.001

11360 Hexagon thin nut

F01A

Thread Metric thread
Material Steel
Class 04
Surface treatment Zinc plated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	250	11360.020.001	M10	100	11360.100.001	M24	25	11360.240.001
M2,5	250	11360.025.001	M12	100	11360.120.001	M27	10	11360.270.001
M3	250	11360.030.001	M14	100	11360.140.001	M30	10	11360.300.001
M4	250	11360.040.001	M16	50	11360.160.001	M33	10	11360.330.001
M5	250	11360.050.001	M18	25	11360.180.001	M36	5	11360.360.001
M6	250	11360.060.001	M20	25	11360.200.001	M39	5	11360.390.001
M8	100	11360.080.001	M22	25	11360.220.001	M42	5	11360.420.001

11360 Hexagon thin nut ←

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M45		4	11360.450.001					
M48		4	11360.480.001					

11382 Hexagon thin nut left hand thread F01A

Thread	Metric thread	
Material	Steel	
Class	04	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number			
M5		250	11382.050.001	M12		100	11382.120.001	M27		10	11382.270.001
M6		250	11382.060.001	M16		50	11382.160.001	M30		10	11382.300.001
M8		100	11382.080.001	M20		25	11382.200.001				
M10		100	11382.100.001	M24		25	11382.240.001				

11350 Hexagon thin nut F01A

Thread	Metric thread	
Material	Steel	
Class	04	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number			
M3		250	11350.030.001	M10		100	11350.100.001	M20		25	11350.200.001
M4		250	11350.040.001	M12		100	11350.120.001	M22		25	11350.220.001
M5		250	11350.050.001	M14		100	11350.140.001	M24		25	11350.240.001
M6		250	11350.060.001	M16		50	11350.160.001	M27		10	11350.270.001
M8		100	11350.080.001	M18		25	11350.180.001	M30		10	11350.300.001

01580 Hexagon thin nut oversized thread F01A

Thread	Metric thread	
Material	Steel	
Class	04	
Surface treatment	Hot dip galvanized	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number			
M12		100	01580.120.001	M16		100	01580.160.001	M22		25	01580.220.001
M14		100	01580.140.001	M20		50	01580.200.001	M24		25	01580.240.001

- These hexagon nuts are used among other to hot dip galvanized bolts and screws with OVERSIZED thread and to hot dip galvanized threaded rods with OVERSIZED thread.
- The nuts are tapped AFTER galvanizing and DO NOT meet the ISO-metric tolerances.
- The corrosion resistance is not influenced disadvantageously, with assembled nuts, by the uncoated thread.

01586 Hexagon thin nut iso-metric fitting thread F01A

Thread	Metric thread	
Material	Steel	
Class	04	
Surface treatment	Hot dip galvanized	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number			
M12		100	01586.120.001	M16		50	01586.160.001	M24		25	01586.240.001
M14		100	01586.140.001	M20		25	01586.200.001				

- These hexagon nuts are used among other to hot dip galvanized bolts and screws with ISO-METRIC FITTING thread and to hot dip galvanized threaded rods with ISO-METRIC FITTING thread.
- The nuts are tapped AFTER galvanizing and meet the tolerances 6H.
- The corrosion resistance is not influenced disadvantageously, with assembled nuts, by the uncoated thread.

3

51090	Hexagon thin nut	R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M1,6	250	51090.016.001	M10	100	51090.100.001	M27	5	51090.270.001
M2	250	51090.020.001	M12	50	51090.120.001	M30	3	51090.300.001
M2,5	250	51090.025.001	M14	50	51090.140.001	M33 *	10	51090.330.001
M3	250	51090.030.001	M16	50	51090.160.001	M36	100	51090.360.001
M4	250	51090.040.001	M18	25	51090.180.001	M39 *	10	51090.390.001
M5	250	51090.050.001	M20	25	51090.200.001	M42 *	10	51090.420.001
M6	250	51090.060.001	M22	10	51090.220.001	M48 *	10	51090.480.001
M8	100	51090.080.001	M24	10	51090.240.001			

• Sizes with a diameter > M24 are minimal property class 50.

51093	Hexagon thin nut left hand thread	R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	200	51093.050.001	M10	100	51093.100.001	M20	25	51093.200.001
M6	200	51093.060.001	M12	50	51093.120.001	M24	25	51093.240.001
M8	100	51093.080.001	M16	50	51093.160.001			

• Sizes with a diameter > M24 are minimal property class 50.

55090	Hexagon thin nut	R49A
Thread	Metric thread	
Material	Stainless steel A4	
Class	70	
Packaging	Standard	

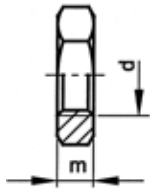
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	250	55090.020.001	M12	50	55090.120.001	M30	3	55090.300.001
M2,5	250	55090.025.001	M14	50	55090.140.001	M33 *	10	55090.330.001
M3	250	55090.030.001	M16	50	55090.160.001	M36 *	10	55090.360.001
M4	250	55090.040.001	M18	25	55090.180.001	M39 *	10	55090.390.001
M5	250	55090.050.001	M20	25	55090.200.001	M42 *	10	55090.420.001
M6	250	55090.060.001	M22	10	55090.220.001	M45 *	10	55090.450.001
M8	100	55090.080.001	M24	10	55090.240.001	M48 *	10	55090.480.001
M10	100	55090.100.001	M27	5	55090.270.001			

• Sizes with a diameter > M24 are minimal property class 50.

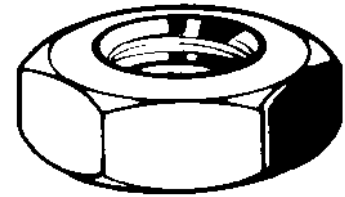
47030	Hexagon thin nut	M01C
Thread	Metric thread	
Material	Brass Cu2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	47030.030.001	M8	100	47030.080.001	M20	50	47030.200.001
M4	250	47030.040.001	M10	100	47030.100.001	M24	25	47030.240.001
M5	250	47030.050.001	M12	100	47030.120.001			
M6	250	47030.060.001	M16	50	47030.160.001			

Hexagon thin nut MF



DIN 439 B (1987)
 NEN 2334 B
 ANSI B18.2.4.5M
 NF E25-453



Technical data

d	m	s	d	m	s	d	m	s
M8	4	13	M27	13,5	41	M40 (#DIN)	20	60
M10	5	17	M28 (#DIN)	14	41	M42	21	65
M12	6	19	M30	15	46	M45	22,5	70
M14	7	22	M32 (#DIN)	16	50	M48	24	75
M16	8	24	M33	16,5	50	M52	26	80
M18	9	27	M35 (#DIN)	17,5	55	M56 (#DIN)	28	85
M20	10	30	M36	18	55	M64 (#DIN)	32	95
M22	11	32	M38 (#DIN)	19	60			
M24	12	36	M39	19,5	60			

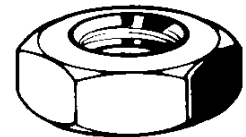
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page	
MF	hexagon	St	04		Standard	11070	3-34	
MF	hexagon	St	04		left hand	Standard	11074	3-35
MF	hexagon	St	04	Zipl	Standard	11380	3-35	
MF	hexagon	St	04	Zipl	left hand	Standard	11075	3-35
MF	hexagon	St.St. A2	70		Standard	51092	3-35	
MF	hexagon	St.St. A2	70		left hand	Standard	51166	3-36
MF	hexagon	St.St. A4	70		Standard	55092	3-36	

11070 Hexagon thin nut MF

F01B

Thread	Metric fine thread
Material	Steel
Class	04
Packaging	Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	100	11070.080.100	M24X1,50	25	11070.240.150	M40X2,00 (#DIN)	3	11070.400.200
M10X1,25	100	11070.100.125	M24X2,00 (#DIN)	25	11070.240.200	M42X1,50	3	11070.420.150
M12X0,75 (#DIN)	100	11070.120.075	M27X1,50	10	11070.270.150	M45X1,50	1	11070.450.150
M12X1,00 (#DIN)	100	11070.120.100	M27X2,00	10	11070.270.200	M45X2,00	1	11070.450.200
M12X1,25	100	11070.120.125	M30X1,50	10	11070.300.150	M45X3,00	1	11070.450.300
M12X1,50	100	11070.120.150	M30X2,00	10	11070.300.200	M48X1,50	1	11070.480.150
M14X1,00 (#DIN)	100	11070.140.100	M32X1,50	10	11070.320.150	M48X2,00	1	11070.480.200
M14X1,25 (#DIN)	100	11070.140.125	M32X2,00	5	11070.320.200	M48X3,00	1	11070.480.300
M14X1,50	100	11070.140.150	M33X1,50	5	11070.330.150	M52X1,50	1	11070.520.150
M16X1,00 (#DIN)	50	11070.160.100	M33X2,00	5	11070.330.200	M52X2,00	1	11070.520.200
M16X1,50	50	11070.160.150	M35X1,50 (#DIN)	3	11070.350.150	M52X3,00	1	11070.520.300
M18X1,00 (#DIN)	25	11070.180.100	M36X1,50	3	11070.360.150	M56X2,00 (#DIN)	1	11070.560.200
M18X2,00	25	11070.180.200	M36X3,00	3	11070.360.300	M56X4,00 (#DIN)	1	11070.560.400
M20X1,00 (#DIN)	25	11070.200.100	M38X1,50 (#DIN)	3	11070.380.150	M64X1,50 (#DIN)	1	11070.640.150
M20X1,50	25	11070.200.150	M39X1,50	3	11070.390.150	M64X2,00 (#DIN)	1	11070.640.200
M20X2,00	25	11070.200.200	M39X2,00	3	11070.390.200	M64X4,00 (#DIN)	1	11070.640.400
M22X1,00 (#DIN)	25	11070.220.100	M39X3,00	3	11070.390.300			
M22X1,50	25	11070.220.150	M40X1,50 (#DIN)	3	11070.400.150			
M22X2,00	25	11070.220.200						

11074	Hexagon thin nut left hand thread	F01B
Thread	Metric fine thread	
Material	Steel	
Class	04	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number	
M10X1,00	50	11074.100.100	M22X1,50	10	11074.220.150	M38X1,50 (#DIN)	3	11074.380.150	
M12X1,00 (#DIN)	50	11074.120.100	M22X2,00	10	11074.220.200		M42X1,50	3	11074.420.150
M12X1,50	50	11074.120.150					M42X3,00	3	11074.420.300
M14X1,50	50	11074.140.150	M27X1,50	5	11074.270.150	M45X3,00	1	11074.450.300	
M16X1,00 (#DIN)	50	11074.160.100	M27X2,00	5	11074.270.200		M48X1,50	1	11074.480.150
M16X1,50	25	11074.160.150					M48X3,00	1	11074.480.300
M18X1,50	10	11074.180.150	M28X1,50 (#DIN)	5	11074.280.150				
M20X1,50	10	11074.200.150	M30X2,00	5	11074.300.200				
M20X2,00	10	11074.200.200	M33X1,50	5	11074.330.150				
			M36X1,50	3	11074.360.150				
			M36X2,00	3	11074.360.200				
			M36X3,00	3	11074.360.300				

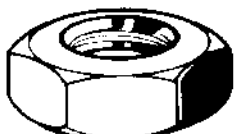
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11380	Hexagon thin nut MF	F01B
Thread	Metric fine thread	
Material	Steel	
Class	04	
Surface treatment	Zinc plated	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number	
M8X1,00	100	11380.080.100	M16X1,00 (#DIN)	50	11380.160.100	M24X1,50	25	11380.240.150	
M10X1,00	100	11380.100.100		M16X1,50	50	11380.160.150	M24X2,00	25	11380.240.200
M10X1,25	100	11380.100.125				M27X1,50	10	11380.270.150	
M12X1,00 (#DIN)	100	11380.120.100	M18X1,00 (#DIN)	25	11380.180.100		M30X1,50	10	11380.300.150
M12X1,25	100	11380.120.125	M18X1,50	25	11380.180.150		M30X2,00	10	11380.300.200
M12X1,50	100	11380.120.150				M36X1,50	3	11380.360.150	
M14X1,00 (#DIN)	100	11380.140.100	M20X1,00 (#DIN)	25	11380.200.100		M36X3,00	3	11380.360.300
M14X1,25 (#DIN)	100	11380.140.125	M20X1,50	25	11380.200.150				
M14X1,50	100	11380.140.150							
			M22X1,50	25	11380.220.150				

11075	Hexagon thin nut left hand thread	F01B
Thread	Metric fine thread	
Material	Steel	
Class	04	
Surface treatment	Zinc plated	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M12X1,00 (#DIN)	50	11075.120.100	M16X1,00 (#DIN)	50	11075.160.100	M20X1,50	10	11075.200.150
M12X1,50	50	11075.120.150		M16X1,50	25		11075.160.150	M24X2,00
						M27X2,00	5	11075.270.200
M14X1,50	50	11075.140.150	M18X1,50	10	11075.180.150	M30X2,00	5	11075.300.200

51092	Hexagon thin nut MF	R09A
Thread	Metric fine thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number	
M8X0,75 *	200	51092.080.075	M14X1,50	50	51092.140.150	M24X2,00	10	51092.240.200	
M8X1,00	100	51092.080.100		M16X1,50	50		51092.160.150	M27X1,50	3
M10X1,00	100	51092.100.100	M18X1,50	25	51092.180.150	M30X1,50	3	51092.300.150	
M10X1,25	100	51092.100.125	M20X1,50	25	51092.200.150	M30X2,00	3	51092.300.200	
			M22X1,50	10	51092.220.150	M33X2,00 *	10	51092.330.200	
M12X1,00 *	100	51092.120.100	M22X2,00 *	25	51092.220.200				
M12X1,25	100	51092.120.125							
M12X1,50	100	51092.120.150	M24X1,50	10	51092.240.150				

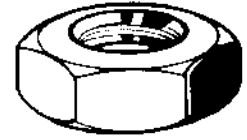
51092 Hexagon thin nut MF

d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
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- Sizes with a diameter > M24 are minimal property class 50.

51166 Hexagon thin nut left hand thread R09A

Thread	Metric fine thread
Material	Stainless steel A2
Class	70
Packaging	Standard



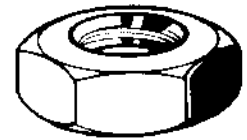
d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
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M16X1,50	50	51166.160.150	M27X2,00	3	51166.270.200
M20X1,50	25	51166.200.150	M30X2,00	3	51166.300.200

- Sizes with a diameter > M24 are minimal property class 50.

55092 Hexagon thin nut MF R49A

Thread	Metric fine thread
Material	Stainless steel A4
Class	70
Packaging	Standard



d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
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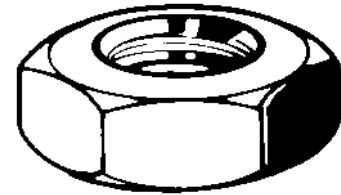
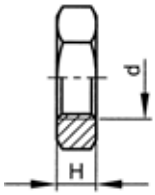
M8X1,00	100	55092.080.100	M16X1,50	50	55092.160.150	M27X1,50 *	25	55092.270.150
M10X1,00	100	55092.100.100	M18X1,50	25	55092.180.150	M27X2,00 *	25	55092.270.200
M10X1,25	100	55092.100.125	M20X1,50	25	55092.200.150	M30X1,50 *	10	55092.300.150
M12X1,00 *	100	55092.120.100	M22X1,50	10	55092.220.150	M30X2,00 *	10	55092.300.200
M12X1,25	100	55092.120.125	M22X2,00 *	25	55092.220.200	M33X2,00 *	10	55092.330.200
M12X1,50	100	55092.120.150	M24X1,50	10	55092.240.150			
M14X1,50	50	55092.140.150	M24X2,00	10	55092.240.200			

- Sizes with a diameter > M24 are minimal property class 50.

3

Jamnut turned UNC

ANSI=B18.2.2



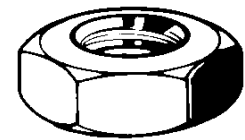
Technical data

d	Threads per inch	H	F
1/4	20	4	7/16
5/16	18	4,8	1/2
3/8	16	5,6	9/16
7/16	14	6,4	11/16
1/2	13	7,9	3/4
5/8	11	9,5	15/16
3/4	10	10,7	1.1/8
7/8	9	12,3	1.5/16
1.IN.	8	13,9	1.1/2
1.1/8	7	18,3	1.11/16
1.1/4	7	18,3	1.7/8
1.1/2	6	21,4	2.1/4

11840 Jamnut turned UNC

X09A

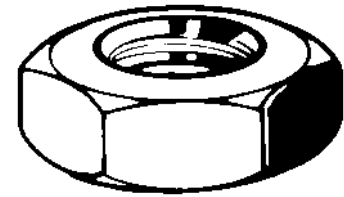
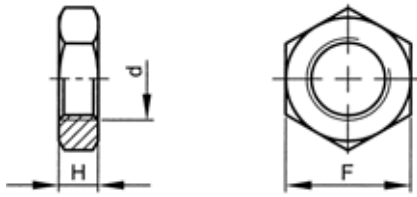
Thread	Unified National Coarse
Material	Free-cutting steel
Class	04
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	11840.063.001	1/2	100	11840.127.001	1.IN.	25	11840.254.001
5/16	250	11840.079.001	5/8	100	11840.158.001	1.1/8	10	11840.285.001
3/8	250	11840.096.001	3/4	50	11840.191.001	1.1/4	10	11840.317.001
7/16	100	11840.111.001	7/8	25	11840.222.001	1.1/2	5	11840.381.001

Jamnut turned UNF

ANSI ≈B18.2.2



Technical data

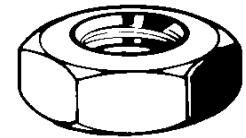
d	Threads per inch	H	F
1/4	28	4	7/16
5/16	24	4,8	1/2
3/8	24	5,6	9/16
7/16	20	6,4	11/16
1/2	20	7,9	3/4
9/16	18	7,9	7/8
5/8	18	9,5	15/16
3/4	16	10,7	1.1/8
7/8	14	12,3	1.5/16
1.IN.	14	13,9	1.1/2
1.1/8	12	15,5	1.11/16
1.1/4	12	18,3	1.7/8
1.3/8	12	19,8	2.1/16
1.1/2	12	21,4	2.1/4

- 1 inch UNF is supplied with 14 threads per inch (UNS).

11860 Jamnut turned UNF

X09A

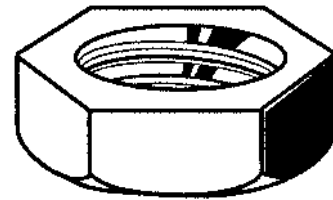
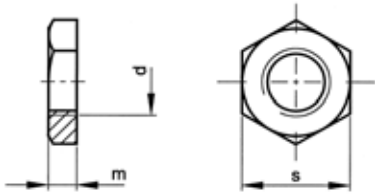
Thread	Unified National Fine
Material	Free-cutting steel
Class	04
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	250	11860.063.001	9/16	100	11860.142.001	1.1/8	10	11860.285.001
5/16	250	11860.079.001	5/8	100	11860.158.001	1.1/4	10	11860.317.001
3/8	250	11860.096.001	3/4	50	11860.191.001	1.3/8	5	11860.349.001
7/16	100	11860.111.001	7/8	25	11860.222.001	1.1/2	5	11860.381.001
1/2	100	11860.127.001	1-14G	25	11860.256.001			

Pipe nut parallel thread

DIN ≈431 A



Technical data

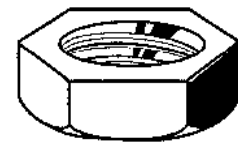
d	Threads per inch	m (max.)	s
G 1/8	28	6,48	18
G 1/4	19	6,48	21
G 3/8	19	7,58	27
G 1/2	14	8,58	34
G 5/8	14	8,58	34
G 3/4	14	9,58	36
G 7/8	14	9,58	41
G 1.IN.	11	10,58	46
G 1.1/4	11	11,7	55
G 1.1/2	11	12,7	60
G 2.IN.	11	13,7	75

3

55200 Pipe nut parallel thread

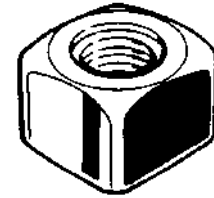
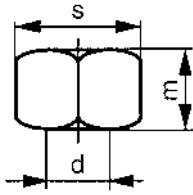
R49A

Thread Cylindrical pipe thread
Material Stainless steel A4
Class 50
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
G1/8	50	55200.031.001	G5/8	25	55200.158.001	G1.1/2	1	55200.381.001
G1/4	50	55200.063.001	G3/4	10	55200.191.001	G2.IN.	1	55200.508.001
G3/8	50	55200.096.001	G1.IN.	4	55200.254.001			
G1/2	25	55200.127.001	G1.1/4	1	55200.317.001			

Trackshoe nut



Technical data

d x m	Threads per inch	s
7/16x16	20	16
1/2x18	20	19
9/16x19	18	22
5/8x18	18	24
5/8x19	18	25
3/4x19	16	28
3/4x21	16	28
7/8x23	14	33,3
1.IN.-14Gx25,2	14	38,1
1.IN.-14Gx33	14	38,1

- The 1 inch trackshoe nuts are class 6.

Article groups

Thread	Driving features	Material	Class	Packaging	Code	Page
UNF	hexagon	Free-cutting steel	high	Standard	06060	3-40
UNF	hexagon	St	12	thin	06070	3-40
UNF	square head	St	12	square	06080	3-40

06060 Hexagon trackshoe nut high type		Y90A
Thread	Unified National Fine	
Material	Free-cutting steel	
Packaging	Standard	

d	Art.number	d	Art.number	d	Art.number
1.IN.-14Gx33	25 06060.256.001				

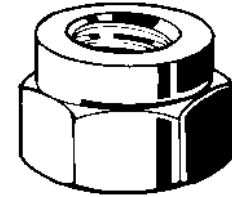
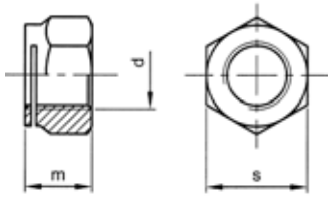
06070 Hexagon trackshoe nut thin		Y90A
Thread	Unified National Fine	
Material	Steel	
Class	12	
Packaging	Standard	

d	Art.number	d	Art.number	d	Art.number
5/8x18	50 06070.158.001	7/8x23	25 06070.222.001		
3/4x21	50 06070.191.001	1.IN.-14Gx25,2	25 06070.256.001		

06080 Square trackshoe nut		Y90A
Thread	Unified National Fine	
Material	Steel	
Class	12	
Packaging	Standard	

d	Art.number	d	Art.number	d	Art.number
7/16x16	100 06080.111.001	5/8x19	50 06080.158.001	1.IN.-14Gx25,2	25 06080.256.001
1/2x18	100 06080.127.001	3/4x19	50 06080.191.001		
9/16x19	50 06080.142.001	7/8	25 06080.222.001		

Exhaust nut



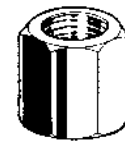
Article groups

Thread	Driving features	Material	Surface treatment		Packaging	Code	Page
UNF	hexagon	Br			Standard	72123	3-41
M	hexagon	St	Copper plated	prevailing torque type	Standard	72130	3-41
MF	hexagon	St	Copper plated	prevailing torque type	Standard	72131	3-41

3

72123 Exhaust nut Y92F

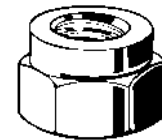
Thread	Unified National Fine
Material	Brass
Packaging	Standard



d	⊗	Art.number	d	⊗	Art.number	d	⊗	Art.number
5/16	50	72123.079.001	3/8	25	72123.096.001	1/2	10	72123.127.001

72130 THERMAG Exhaust nut Y92F

Thread	Metric thread
Material	Steel
Surface treatment	Copper plated
Packaging	Standard

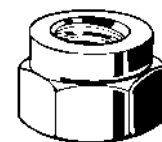


d	⊗	Art.number	d	⊗	Art.number	d	⊗	Art.number
M8 s=12	100	72130.080.120	M10 s=14	100	72130.100.140	M12 s=17	50	72130.120.170
M8 s=13	100	72130.080.130	M10 s=17	100	72130.100.170			

- Temperature resistance from -70°C till $+400^{\circ}\text{C}$

72131 THERMAG Exhaust nut Y92F

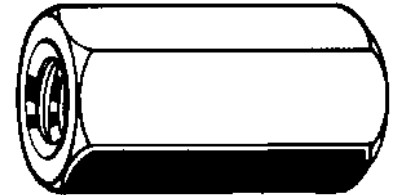
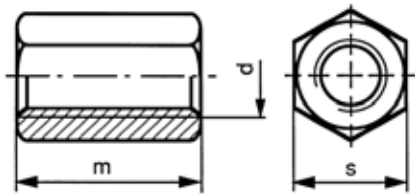
Thread	Metric fine thread
Material	Steel
Surface treatment	Copper plated
Packaging	Standard



d x P	⊗	Art.number	d x P	⊗	Art.number	d x P	⊗	Art.number
10X1,25 s=14	100	72131.100.125						

- Temperature resistance from -70°C till $+400^{\circ}\text{C}$

Hexagon connection nut height 3 x d



Technical data

d	P	m	s
M5	0,8	15	8
M6	1	18	10
M8	1,25	24	13
M10	1,5	30	17
M12	1,75	36	19
M14	2	42	22

d	P	m	s
M16	2	48	24
M18	2,5	54	27
M20	2,5	60	30
M22	2,5	66	32
M24	3	72	36
M27	3	81	41

d	P	m	s
M30	3,5	90	46
M36	4	108	55
M42	4,5	126	65
M48	5	144	75

3

- These connection nuts are used among others for connection of threaded rods.

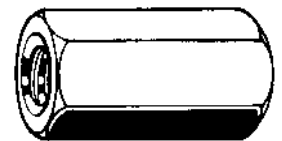
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	[10]	Zipl	Standard	11418	3-42
M	hexagon	Free-cutting steel		Zipl	Standard	11400	3-42
M	hexagon	St.St. A1			Standard	51106	3-42
M	hexagon	St.St. A4			Standard	55106	3-43
M	hexagon	Br			Standard	47195	3-43

11418 Hexagon connection nut height 3 x d

F01C

Thread	Metric thread
Material	Steel
Class	[10]
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	50	11418.060.001	M16	25	11418.160.001	M30	5	11418.300.001
M8	50	11418.080.001	M18	10	11418.180.001	M36	3	11418.360.001
M10	50	11418.100.001	M20	10	11418.200.001	M42	3	11418.420.001
M12	25	11418.120.001	M22	10	11418.220.001	M48	3	11418.480.001
M14	25	11418.140.001	M24	5	11418.240.001			

11400 Hexagon connection nut height 3 x d

F01C

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard

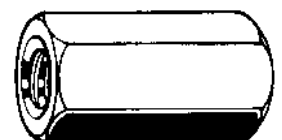


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	100	11400.050.001	M12	50	11400.120.001	M24	10	11400.240.001
M6	100	11400.060.001	M14	25	11400.140.001	M27	10	11400.270.001
M8	100	11400.080.001	M16	25	11400.160.001			
M10	50	11400.100.001	M20	25	11400.200.001			

51106 Hexagon connection nut height 3 x d

R09A

Thread	Metric thread
Material	Stainless steel A1
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	50	51106.050.001	M10	25	51106.100.001	M16	10	51106.160.001
M6	50	51106.060.001	M12	25	51106.120.001	M20	10	51106.200.001
M8	50	51106.080.001	M14 *	50	51106.140.001	M24	5	51106.240.001

51106 Hexagon connection nut height 3 x d ←

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M30 *	10	51106.300.001						

• Depending on availability A1 can be supplied as well as A2.

55106 Hexagon connection nut height 3 x d R49A

Thread	Metric thread								
Material	Stainless steel A4								
Packaging	Standard								

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	50	55106.050.001	M12	25	55106.120.001	M24	5	55106.240.001
M6	50	55106.060.001	M14 *	50	55106.140.001	M30 *	10	55106.300.001
M8	50	55106.080.001	M16	10	55106.160.001			
M10	25	55106.100.001	M20	10	55106.200.001			

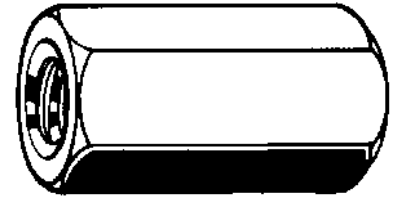
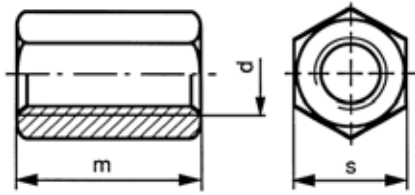
47195 Hexagon connection nut height 3 x d M11C

Thread	Metric thread								
Material	Brass								
Packaging	Standard								

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	100	47195.050.001	M10	50	47195.100.001	M20	25	47195.200.001
M6	100	47195.060.001	M12	50	47195.120.001	M24	10	47195.240.001
M8	100	47195.080.001	M16	25	47195.160.001			

3

Hexagon connection nut extra high



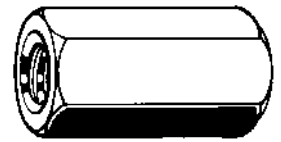
Technical data

d	P	m	s
M6	1	30	10
M8	1,25	30	13
M10	1,5	40	17
M12	1,75	40	19

11408 Hexagon connection nut extra high

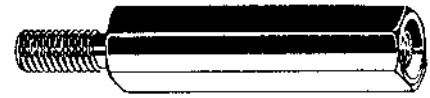
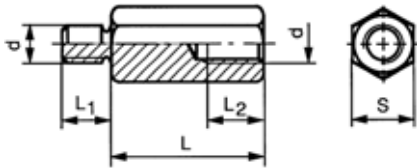
F01C

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X30	100	11408.060.030	M10X40	100	11408.100.040			
M8X30	100	11408.080.030	M12X40	50	11408.120.040			

Spacer with internal thread and external threaded stud type H1202



Technical data

d	P	L ₁	s
M2,5	0,45	5,6	4
M3	0,5	6	5,5
M4	0,7	8	7
M5	0,8	10	8

3

11398 Spacer with internal thread and external threaded stud type H1202

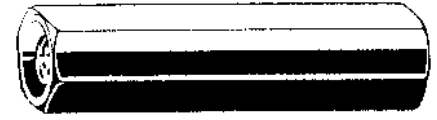
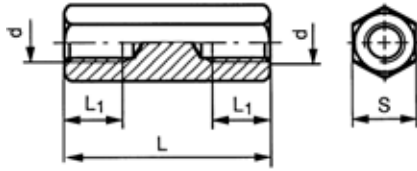
F01C

Thread	Metric thread
Material	Free-cutting steel
Class	6
Surface treatment	Zinc plated
Packaging	Standard



d x L x L2	☒	Art.number	d x L x L2	☒	Art.number	d x L x L2	☒	Art.number
M2,5X10X3	100	11398.025.010	M3X25X7	100	11398.030.025	M4X35X9	100	11398.040.035
M2,5X15X7	100	11398.025.015	M3X30X7	100	11398.030.030	M4X40X9	100	11398.040.040
M2,5X20X7	100	11398.025.020	M3X35X7	100	11398.030.035	M4X50X9	100	11398.040.050
M2,5X25X7	100	11398.025.025	M3X40X7	100	11398.030.040			
			M3X45X7	100	11398.030.045	M5X10X6	100	11398.050.010
M3X5X3	100	11398.030.005	M3X50X7	100	11398.030.050	M5X15X11	100	11398.050.015
M3X8X5	100	11398.030.008				M5X20X11	100	11398.050.020
M3X10X7	100	11398.030.010	M4X5X3	100	11398.040.005	M5X25X11	100	11398.050.025
M3X12X7	100	11398.030.012	M4X10X6	100	11398.040.010	M5X30X11	100	11398.050.030
M3X13,5X7	100	11398.030.013	M4X15X9	100	11398.040.015	M5X35X11	100	11398.050.035
M3X15X7	100	11398.030.015	M4X20X9	100	11398.040.020	M5X40X11	100	11398.050.040
M3X18X7	100	11398.030.018	M4X25X9	100	11398.040.025	M5X50X11	100	11398.050.050
M3X20X7	100	11398.030.020	M4X30X9	100	11398.040.030			

Spacer with 2x internal thread H1200



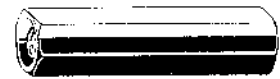
Technical data

d	P	s
M2,5	0,45	4
M3	0,5	5,5
M4	0,7	7
M5	0,8	8

11396 Spacer with 2x internal thread H1200

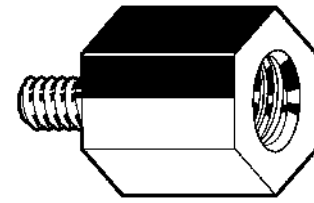
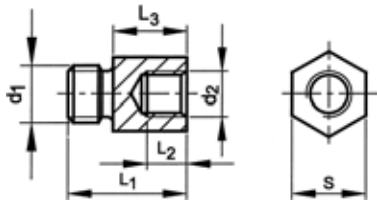
F01C

Thread	Metric thread
Material	Free-cutting steel
Class	[6]
Surface treatment	Zinc plated
Packaging	Standard



d x L x L1	☒	Art.number	d x L x L1	☒	Art.number	d x L x L1	☒	Art.number
M2,5X15X7	100	11396.025.015	M3X35X7	100	11396.030.035	M4X50X9	100	11396.040.050
M2,5X20X7	100	11396.025.020	M3X40X7	100	11396.030.040	M5X15X15	100	11396.050.015
M2,5X25X7	100	11396.025.025	M3X45X7	100	11396.030.045	M5X20X9	100	11396.050.020
M3X5X5	100	11396.030.005	M3X50X7	100	11396.030.050	M5X25X9	100	11396.050.025
M3X8,5X8,5	100	11396.030.008	M4X10X10	100	11396.040.010	M5X30X9	100	11396.050.030
M3X10X10	100	11396.030.010	M4X15X15	100	11396.040.015	M5X35X9	100	11396.050.035
M3X12X12	100	11396.030.012	M4X20X9	100	11396.040.020	M5X40X9	100	11396.050.040
M3X15X7	100	11396.030.015	M4X25X9	100	11396.040.025	M5X45X9	100	11396.050.045
M3X20X7	100	11396.030.020	M4X30X9	100	11396.040.030	M5X50X9	100	11396.050.050
M3X25X7	100	11396.030.025	M4X35X9	100	11396.040.035			
M3X30X7	100	11396.030.030	M4X40X9	100	11396.040.040			

Reducer



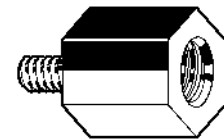
Technical data

d2 / d1	P/P	L ₁	L ₂	L ₃	s
M6/M8	1/1,25	20	7	12	13
M6/M10	1/1,25	21	7	13	13
M8/M6	1,25/1	19	7	12	13
M8/M10	1,25/1,5	21	7	13	13
M8/M12	1,25/1,75	23	7	13	13
M10/M6	1,5/1	22	9	15	13
M10/M8	1,5/1,25	23	9	15	13
M10/M12	1,5/1,75	23	8	13	13
M10/M16	1,5/2	32	9	18	19
M12/M8	1,75/1,25	23	8	15	17
M12/M10	1,75/1,5	25	8	15	17
M16/M10	2/1,5	32	13	22	24
M16/M12	2/1,75	32	13	22	24

11393 Reducer

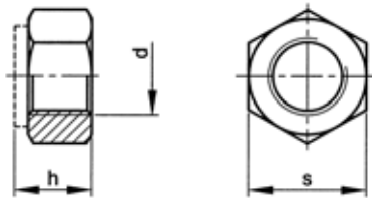
F01C

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard

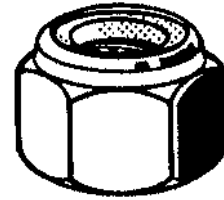


d2/d1 x s	☒	Art.number	d2/d1 x s	☒	Art.number	d2/d1 x s	☒	Art.number
M6XM8/s=13	25	11393.060.080	M10XM6/s=13	25	11393.100.060	M12XM10/s=17	10	11393.120.100
M6XM10/s=13	25	11393.060.100	M10XM8/s=13	25	11393.100.080	M16XM10/s=24	5	11393.160.100
M8XM6/s=13	25	11393.080.060	M10XM12/s=13	25	11393.100.120	M16XM12/s=24	5	11393.160.120
M8XM10/s=13	25	11393.080.100	M10XM16/s=17	10	11393.100.160			
M8XM12/s=13	25	11393.080.120	M12XM8/s=17	10	11393.120.080			

Prevailing torque type hexagon nut with non-metallic insert



ISO 7040
DIN 985 (1987)
NF E25-412



Technical data

d	P	h	s	d	P	h	s	d	P	h	s
M2,5	0,45	3,5	5	M16	2	16	24	M42	4,5	42	65
M3	0,5	4	5,5	M18	2,5	18,5	27	M45	4,5	45	70
M4	0,7	5	7	M20	2,5	20	30	M48	5	48	75
M5	0,8	5	8	M22	2,5	22	32	M52 (DIN)	5	52	80
M6	1	6	10	M24	3	24	36	M56 (DIN)	5,5	56	85
M7	1	7,5	11	M27	3	27	41	M60 (DIN)	5,5	60	90
M8	1,25	8	13	M30	3,5	30	46	M64 (DIN)	6	64	95
M10	1,5	10	17	M33	3,5	33	50				
M12	1,75	12	19	M36	4	36	55				
M14	2	14	22	M39	4	39	60				

Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	≥ 5	Zipl	Standard	12300	3-48
M	hexagon	St	≥ 5	Zipl	Large	12310	3-48
M	hexagon	St	≥ 5	Zipl yell.p.	Standard	12302	3-49
M	hexagon	St	6	FLZNNC-NC6	Standard	12307	3-49
M	hexagon	St	8	Zipl	Standard	12348	3-49
M	hexagon	St	8	Zipl yell.p.	Standard	12350	3-49
M	hexagon	St	10	Zipl	Standard	12410	3-49
M	hexagon	St	10	Zipl yell.p.	Standard	12450	3-50
M	hexagon	St.St. A2			METALFORM Standard	51729	3-50
M	hexagon	St.St. A2			METALFORM Large	51728	3-50
M	hexagon	St.St. A2			Standard	51730	3-50
M	hexagon	St.St. A4			Standard	55730	3-51
M	hexagon	Al Dural			Standard	45110	3-51

12300 Prevailing torque type hexagon nut with non-metallic insert

F06A

Thread Metric thread
Material Steel
Class ≥|5|
Surface treatment Zinc plated
Packaging Standard

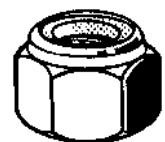


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2,5	250	12300.025.001	M14	100	12300.140.001	M36	5	12300.360.001
M3	250	12300.030.001	M16	50	12300.160.001	M39	5	12300.390.001
M4	250	12300.040.001	M18	50	12300.180.001	M42	5	12300.420.001
M5	250	12300.050.001	M20	25	12300.200.001	M45	4	12300.450.001
M6	250	12300.060.001	M22	25	12300.220.001	M48	4	12300.480.001
M7	250	12300.070.001	M24	25	12300.240.001	M52	1	12300.520.001
M8	250	12300.080.001	M27	10	12300.270.001	M56	1	12300.560.001
M10	200	12300.100.001	M30	10	12300.300.001	M60	1	12300.600.001
M12	100	12300.120.001	M33	5	12300.330.001	M64	1	12300.640.001

12310 Prevailing torque type hexagon nut with non-metallic insert

F06A

Thread Metric thread
Material Steel
Class ≥|5|
Surface treatment Zinc plated
Packaging Large



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	2500	12310.030.001	M6	2500	12310.060.001	M12	500	12310.120.001
M4	2500	12310.040.001	M8	2000	12310.080.001	M16	250	12310.160.001
M5	2500	12310.050.001	M10	750	12310.100.001			

12302	Prevailing torque type hexagon nut with non-metallic insert			F05A
Thread	Metric thread			
Material	Steel			
Class	≥ 5			
Surface treatment	Zinc plated yellow passivated			
Packaging	Standard			


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	12302.030.001	M8	250	12302.080.001	M18	50	12302.180.001
M4	250	12302.040.001	M10	100	12302.100.001	M20	25	12302.200.001
M5	250	12302.050.001	M12	100	12302.120.001	M22	25	12302.220.001
M6	250	12302.060.001	M14	100	12302.140.001	M24	25	12302.240.001
M7	200	12302.070.001	M16	50	12302.160.001			

12307	Prevailing torque type hexagon nut with non-metallic insert			A96A
Thread	Metric thread			
Material	Steel			
Class	6			
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc			
Packaging	Standard			


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	12307.060.001	M14	100	12307.140.001	M22	25	12307.220.001
M8	250	12307.080.001	M16	50	12307.160.001	M24	25	12307.240.001
M10	200	12307.100.001	M18	50	12307.180.001	M27	10	12307.270.001
M12	100	12307.120.001	M20	25	12307.200.001	M30	10	12307.300.001

12348	Prevailing torque type hexagon nut with non-metallic insert			F05A
Thread	Metric thread			
Material	Steel			
Class	8			
Surface treatment	Zinc plated			
Packaging	Standard			

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	12348.040.001	M14	100	12348.140.001	M27	10	12348.270.001
M5	250	12348.050.001	M16	50	12348.160.001	M30	10	12348.300.001
M6	250	12348.060.001	M18	50	12348.180.001	M33	5	12348.330.001
M8	250	12348.080.001	M20	25	12348.200.001	M36	5	12348.360.001
M10	200	12348.100.001	M22	25	12348.220.001			
M12	100	12348.120.001	M24	25	12348.240.001			

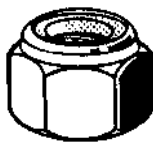
12350	Prevailing torque type hexagon nut with non-metallic insert			F05A
Thread	Metric thread			
Material	Steel			
Class	8			
Surface treatment	Zinc plated yellow passivated			
Packaging	Standard			

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	12350.060.001	M14	100	12350.140.001	M27	10	12350.270.001
M8	250	12350.080.001	M16	50	12350.160.001	M30	10	12350.300.001
M10	200	12350.100.001	M20	25	12350.200.001			
M12	100	12350.120.001	M24	25	12350.240.001			


12410	Prevailing torque type hexagon nut with non-metallic insert			F05A
Thread	Metric thread			
Material	Steel			
Class	10			
Surface treatment	Zinc plated			
Packaging	Standard			

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	12410.050.001	M12	100	12410.120.001	M20	25	12410.200.001
M6	250	12410.060.001	M14	100	12410.140.001	M22	25	12410.220.001
M8	250	12410.080.001	M16	50	12410.160.001	M24	25	12410.240.001
M10	200	12410.100.001	M18	50	12410.180.001	M27	10	12410.270.001

3

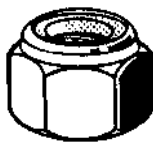
12450 Prevailing torque type hexagon nut with non-metallic insert		F05A
Thread	Metric thread	
Material	Steel	
Class	[10]	
Surface treatment	Zinc plated yellow passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	12450.060.001	M14	100	12450.140.001	M27	10	12450.270.001
M8	250	12450.080.001	M16	50	12450.160.001	M30	10	12450.300.001
M10	200	12450.100.001	M20	25	12450.200.001			
M12	100	12450.120.001	M24	25	12450.240.001			

51729 Prevailing torque type hexagon nut with non-metallic insert, Metalform		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Packaging	Standard	
	ISO 10511	
	DIN 985 (1987) NF E25-412	


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	51729.040.001	M8	50	51729.080.001	M16	10	51729.160.001
M5	100	51729.050.001	M10	50	51729.100.001	M20	10	51729.200.001
M6	100	51729.060.001	M12	25	51729.120.001			

- Special features of METALFORM:
- Is a dry partly visible lubricant which eliminates the possibility of seizure of threaded stainless steel fasteners.
- In addition the friction coefficient is reduced to a more constant value.
- In a bolt/nut combination its sufficient that only the nut is lubricated to prevent seizure with METALFORM.
- Can be removed very easily with a solvent after application, so theres no objection of using this application in the food industry

51728 Prevailing torque type hexagon nut with non-metallic insert, Metalform		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Packaging	Large	
	ISO 10511	
	DIN 985 (1987) NF E25-412	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	1000	51728.060.001	M8	500	51728.080.001	M10	500	51728.100.001

- Special features of METALFORM:
- Is a dry partly visible lubricant which eliminates the possibility of seizure of threaded stainless steel fasteners.
- In addition the friction coefficient is reduced to a more constant value.
- In a bolt/nut combination its sufficient that only the nut is lubricated to prevent seizure with METALFORM.
- Can be removed very easily with a solvent after application, so theres no objection of using this application in the food industry

51730 Prevailing torque type hexagon nut with non-metallic insert		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2,5	200	51730.025.001	M8	100	51730.080.001	M20	20	51730.200.001
M3	200	51730.030.001	M10	100	51730.100.001	M24	10	51730.240.001
M4	200	51730.040.001	M12	50	51730.120.001	M27	5	51730.270.001
M5	200	51730.050.001	M14	50	51730.140.001	M30	5	51730.300.001
M6	200	51730.060.001	M16	20	51730.160.001			

- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

55730 Prevailing torque type hexagon nut with non-metallic insert		R49A
Thread	Metric thread	
Material	Stainless steel A4	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	200	55730.030.001	M10	100	55730.100.001	M24	10	55730.240.001
M4	200	55730.040.001	M12	50	55730.120.001	M27	5	55730.270.001
M5	200	55730.050.001	M14	50	55730.140.001	M30	5	55730.300.001
M6	200	55730.060.001	M16	20	55730.160.001			
M8	100	55730.080.001	M20	20	55730.200.001			

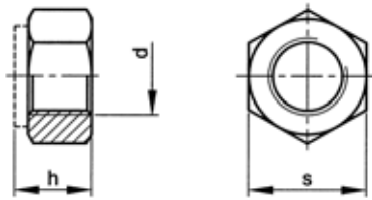
- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

3

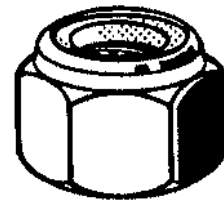
45110 Prevailing torque type hexagon nut with non-metallic insert		W010
Thread	Metric thread	
Material	Aluminium Dural	
Packaging	Standard	
	ISO ≈7040	
	DIN ≈985 (1987)	
	NF ≈E25-412	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	200	45110.030.001	M6	200	45110.060.001	M12	50	45110.120.001
M4	200	45110.040.001	M8	100	45110.080.001	M16	20	45110.160.001
M5	200	45110.050.001	M10	100	45110.100.001			

Prevailing torque type hexagon nut with non-metallic insert MF



ISO 10512
 DIN 985 (1987)
 NF E25-412



Technical data

d	h	s	d	h	s	d	h	s
M8	8	13	M20	20	30	M36	36	55
M10	10	17	M22	22	32	M39	39	60
M12	12	19	M24	24	36	M42	42	65
M14	14	22	M27	27	41	M45	45	70
M16	16	24	M30	30	46	M48	48	75
M18	18,5	27	M33	33	50			

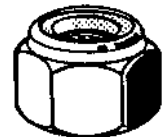
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
MF	hexagon	St	≥ 5	Zipl	Standard	12320	3-52
MF	hexagon	St	8	Zipl yell.p.	Standard	12352	3-52
MF	hexagon	St	10	Zipl yell.p.	Standard	12422	3-53

12320 Prevailing torque type hexagon nut with non-metallic insert MF

F05A

Thread	Metric fine thread
Material	Steel
Class	≥ 5
Surface treatment	Zinc plated
Packaging	Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	250	12320.080.100	M22X1,50	25	12320.220.150	M36X3,00	5	12320.360.300
M10X1,00	200	12320.100.100	M24X1,50 (≠DIN)	25	12320.240.150	M39X3,00	5	12320.390.300
M10X1,25	200	12320.100.125	M24X2,00	25	12320.240.200	M42X1,50 (≠DIN)	5	12320.420.150
M12X1,00 (≠DIN)	100	12320.120.100	M27X1,50 (≠DIN)	10	12320.270.150	M42X3,00	5	12320.420.300
M12X1,25	100	12320.120.125	M27X2,00	10	12320.270.200	M45X3,00	4	12320.450.300
M12X1,50	100	12320.120.150	M30X1,50 (≠DIN)	10	12320.300.150	M48X1,50 (≠DIN)	4	12320.480.150
M14X1,50	100	12320.140.150	M30X2,00	10	12320.300.200	M48X3,00	4	12320.480.300
M16X1,50	50	12320.160.150	M33X1,50 (≠DIN)	5	12320.330.150			
M18X1,50	50	12320.180.150	M33X2,00	5	12320.330.200			
M20X1,50	25	12320.200.150	M36X1,50 (≠DIN)	5	12320.360.150			
M20X2,00	25	12320.200.200						

12352 Prevailing torque type hexagon nut with non-metallic insert MF

F05A

Thread	Metric fine thread
Material	Steel
Class	8
Surface treatment	Zinc plated yellow passivated
Packaging	Standard

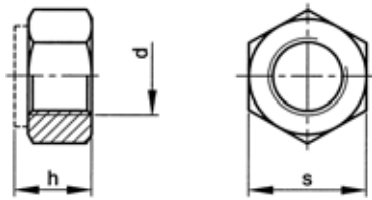


d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M10X1,00	200	12352.100.100	M12X1,50	100	12352.120.150	M20X1,50	25	12352.200.150
M10X1,25	200	12352.100.125	M14X1,50	100	12352.140.150	M24X2,00	25	12352.240.200
M12X1,25	100	12352.120.125	M16X1,50	50	12352.160.150			

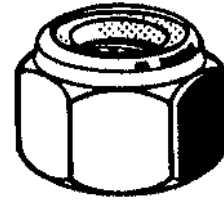
12422	Prevailing torque type hexagon nut with non-metallic insert MF		F05A
Thread	Metric fine thread		
Material	Steel		
Class	10		
Surface treatment	Zinc plated yellow passivated		
Packaging	Standard		

d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
M8X1,00	250	12422.080.100	M14X1,50	100	12422.140.150	M20X1,50	25	12422.200.150
M10X1,00	200	12422.100.100	M16X1,50	50	12422.160.150	M24X1,50	25	12422.240.150
M12X1,50	100	12422.120.150	M18X1,50	50	12422.180.150			

Prevailing torque type hexagon nut with non-metallic insert high type



ISO 7040
 DIN 982
 NF E25-409



Technical data

d	P	h	s	d	P	h	s	d	P	h	s
M5	0,8	6,3	8	M12	1,75	14	19	M20	2,5	22	30
M6	1	8	10	M14	2	16	22	M22	2,5	25	32
M8	1,25	9,5	13	M16	2	18	24	M24	3	28	36
M10	1,5	11,5	17	M18	2,5	20	27				

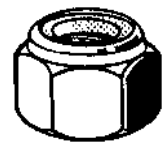
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8	Zipl	Standard	12600	3-54
M	hexagon	St	10	Zipl yell.p.	Standard	12662	3-54
M	hexagon	St.St. A4			Standard	55718	3-54

12600 Prevailing torque type hexagon nut with non-metallic insert high type

F05A

Thread	Metric thread
Material	Steel
Class	8
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	12600.050.001	M12	100	12600.120.001	M20	25	12600.200.001
M6	250	12600.060.001	M14	100	12600.140.001	M22	25	12600.220.001
M8	250	12600.080.001	M16	50	12600.160.001	M24	25	12600.240.001
M10	200	12600.100.001	M18	50	12600.180.001			

12662 Prevailing torque type hexagon nut with non-metallic insert high type

F05A

Thread	Metric thread
Material	Steel
Class	10
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	12662.060.001	M12	100	12662.120.001	M20	25	12662.200.001
M8	250	12662.080.001	M14	100	12662.140.001	M24	25	12662.240.001
M10	200	12662.100.001	M16	50	12662.160.001			

55718 Prevailing torque type hexagon nut with non-metallic insert high type

R49A

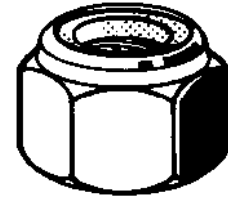
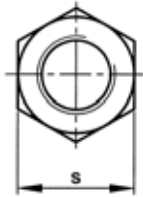
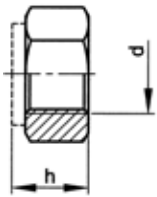
Thread	Metric thread
Material	Stainless steel A4
Packaging	Standard
	ISO ≈7040
	DIN ≈982
	NF ≈E25-409



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5 *	200	55718.050.001	M10	50	55718.100.001	M16	10	55718.160.001
M6	100	55718.060.001	M12	25	55718.120.001	M20	10	55718.200.001
M8	50	55718.080.001	M14	25	55718.140.001	M24	5	55718.240.001

- Stainless steel prevailing torque type hexagon nuts with plastic insert can cause seizing of the bolt thread resulting in fracture.
- It is recommended to use METALFORM stainless steel prevailing torque type hexagon nuts with plastic insert (51729 and 51728) or Molykote P-37 (90710.000.500) or Loctite 8009 (90008.009.454) anti-seize and lubricating compound.

Prevailing torque type hexagon nut with non-metallic insert UNC



Technical data

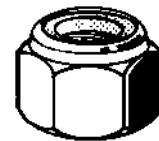
d	Threads per inch	h	s
No.8	32	5,6	11/32
No.10	24	6	3/8
1/4	20	8,3	7/16
5/16	18	9,1	1/2
3/8	16	11,9	9/16
7/16	14	11,9	11/16
1/2	13	15,5	3/4
9/16	12	16,7	7/8
5/8	11	19,4	15/16
3/4	10	22,6	1.1/8
7/8	9	25,3	1.5/16
1.IN.	8	27,6	1.1/2
1.1/4	7	34,2	1.7/8
1.1/2	6	40,7	2.1/4

- These prevailing torque type hexagon nuts are not standardised.
- Depending on availability the dimensions may deviate.

12380 Prevailing torque type hexagon nut with non-metallic insert UNC

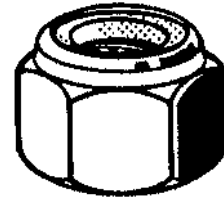
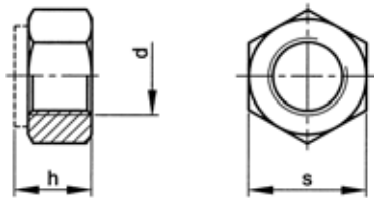
X09A

Thread	Unified National Coarse
Material	Steel
Class	≥6
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
No.8	100	12380.041.001	7/16	100	12380.111.001	7/8	25	12380.222.001
No.10	100	12380.048.001	1/2	100	12380.127.001	1.IN.	10	12380.254.001
1/4	100	12380.063.001	9/16	50	12380.142.001	1.1/4	5	12380.317.001
5/16	100	12380.079.001	5/8	50	12380.158.001	1.1/2	5	12380.381.001
3/8	100	12380.096.001	3/4	50	12380.191.001			

Prevailing torque type hexagon nut with non-metallic insert UNF



Technical data

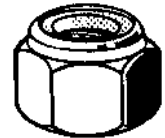
d	Threads per inch	h	s
1/4	28	8,3	7/16
5/16	24	9,1	1/2
3/8	24	11,9	9/16
7/16	20	11,9	11/16
1/2	20	15,5	3/4
9/16	18	16,7	7/8
5/8	18	19,4	15/16
3/4	16	22,6	1.1/8
7/8	14	25,3	1.5/16
1.IN.-12G	12	27,6	1.1/2
1.IN.-14G	14	27,6	1.1/2
1.1/4	12	34,2	1.7/8
1.1/2	12	40,7	2.1/4

- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch (UNS).

12370 Prevailing torque type hexagon nut with non-metallic insert UNF

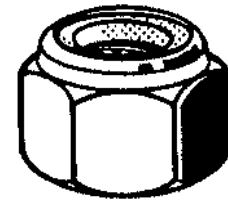
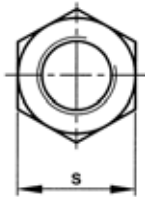
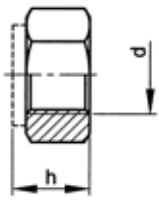
X09A

Thread	Unified National Fine
Material	Steel
Class	≥6
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	12370.063.001	9/16	50	12370.142.001	1-14G	10	12370.256.001
5/16	100	12370.079.001	5/8	50	12370.158.001	1.1/4	5	12370.317.001
3/8	100	12370.096.001	3/4	50	12370.191.001	1.1/2	5	12370.381.001
7/16	100	12370.111.001	7/8	25	12370.222.001			
1/2	100	12370.127.001	1-12G	10	12370.255.001			

Prevailing torque type hexagon nut with non-metallic insert BSF



Technical data

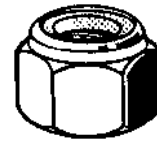
d	Threads per inch	h	s
1/4	26	8,3	7/16
5/16	22	9,1	1/2
3/8	20	11,9	9/16
7/16	18	11,9	11/16
1/2	16	15,5	3/4
9/16	16	16,7	7/8
5/8	14	19,4	15/16
3/4	12	22,6	1.1/8

- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).

12400 Prevailing torque type hexagon nut with non-metallic insert BSF

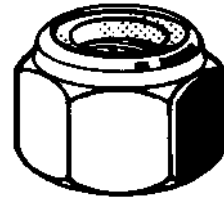
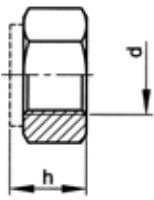
X90A

Thread	British Standard Fine
Material	Steel
Class	6
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	12400.063.001	7/16	100	12400.111.001	5/8	25	12400.158.001
5/16	100	12400.079.001	1/2	50	12400.127.001	3/4	25	12400.191.001
3/8	100	12400.096.001	9/16	50	12400.142.001			

Prevailing torque type hexagon nut with non-metallic insert BSW



Technical data

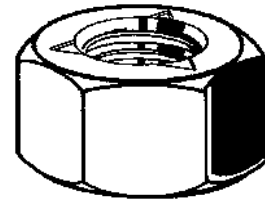
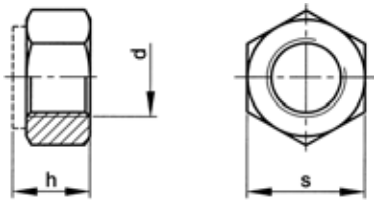
d	Threads per inch	h	s
1/4	20	8,3	7/16
5/16	18	9,1	1/2
3/8	16	11,9	9/16
1/2	12	15,5	3/4
5/8	11	19,4	15/16
3/4	10	22,6	1.1/8
7/8	9	25,3	1.5/16
1.IN.	8	27,6	1.1/2
1.1/4	7	36,1	1.13/16

- These prevailing torque type hexagon nuts are not standardised. Depending on availability the dimensions may deviate.
- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).

12340 Prevailing torque type hexagon nut with non-metallic insert BSW		X08A
Thread	British Standard Whitworth	
Material	Steel	
Class	6	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	12340.063.001	1/2	50	12340.127.001	7/8	10	12340.222.001
5/16	100	12340.079.001	5/8	25	12340.158.001	1.IN.	10	12340.254.001
3/8	100	12340.096.001	3/4	25	12340.191.001			

Prevailing torque type hexagon nut all stainless steel



Technical data

d	P	h	s
M3	0,5	2,4	5,5
M4	0,7	3,2	7
M5	0,8	4	8
M6	1	5	10

d	P	h	s
M8	1,25	6,5	13
M10	1,5	8	17
M12	1,75	10	19
M14	2	11	22

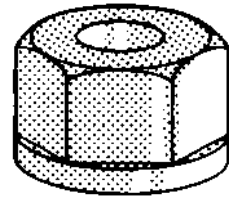
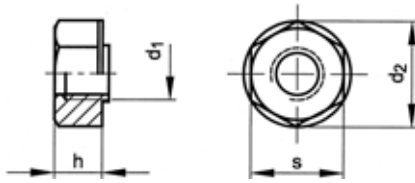
d	P	h	s
M16	2	13	24
M20	2,5	16	30
M24	3	19	36

- This prevailing torque type hexagon nut is a one piece all metal stainless steel A2 nut.
- The locking is achieved by local radial deformation of the screwthread.

51720 Prevailing torque type hexagon nut all stainless steel		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	51720.030.001	M8	50	51720.080.001	M16	10	51720.160.001
M4	100	51720.040.001	M10	50	51720.100.001	M20	10	51720.200.001
M5	100	51720.050.001	M12	25	51720.120.001	M24	5	51720.240.001
M6	100	51720.060.001	M14	25	51720.140.001			

Prevailing torque type hexagon nut plastic



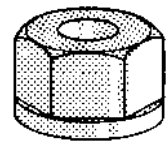
Technical data

d1	P	s	h	d2
M3	0,5	6	5,5	6,7
M4	0,7	7	6,4	9,3
M5	0,8	9	7,3	10,5
M6	1	10	8	11,4
M8	1,25	14	10,3	16,2

56220 Prevailing torque type hexagon nut plastic

W02A

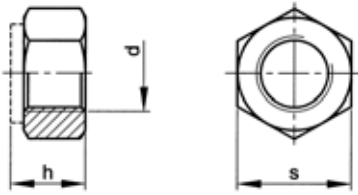
Thread	Metric thread
Material	Plastic Polyamide (nylon)
Class	PA 6.6
Colour	White
Packaging	Standard



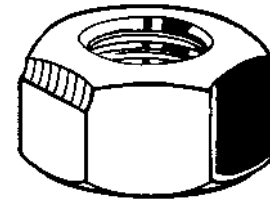
d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M4	100	56220.040.001	M6	100	56220.060.001			
M5	100	56220.050.001	M8	50	56220.080.001			

3

Prevailing torque type hexagon nut all metal



ISO 7042
DIN 980V (1987)
 NEN 2452
 NF E25-410
 BS 4929-1



Technical data

d	P	h (max.)	s
M5	0,8	5,1	8
M6	1	6	10
M8	1,25	8	13
M10	1,5	10	17

d	P	h (max.)	s
M12	1,75	12	19
M14	2	14	22
M16	2	16	24
M20	2,5	20	30

d	P	h (max.)	s
M24	3	24	36
M30	3,5	30	46

3

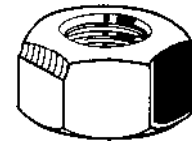
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8	Zipl	Standard	12858	3-61
M	hexagon	St	8	Zipl yell.p.	Standard	12880	3-61
M	hexagon	St	10	Zipl	Standard	12910	3-62

12858 STOVER Prevailing torque type hexagon nut all metal

F01J

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated
Packaging Standard



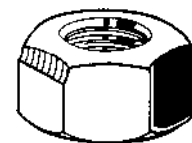
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	12858.050.001	M12	100	12858.120.001	M24	25	12858.240.001
M6	250	12858.060.001	M14	100	12858.140.001	M30	25	12858.300.001
M8	250	12858.080.001	M16	50	12858.160.001			
M10	200	12858.100.001	M20	25	12858.200.001			

- Special features of type STOVER prevailing torque type hexagon nuts:
- Is a one piece all metal class 8 nut, acc. to DIN 980 V.
- The locking is achieved by local radial deformation of a part of the nut. First the nut runs freely on the thread until the locking part is reached, after which the clamping force increases gradually to a maximum. This progressive locking action with distributed pressure over a large surface prevents damage of the thread.
- Resistant to shocks, vibrations and dynamic loads.
- Re-usable.

12880 STOVER Prevailing torque type hexagon nut all metal

F01J

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated yellow passivated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	4000	12880.060.001	M10	750	12880.100.001	M14	250	12880.140.001
M8	2000	12880.080.001	M12	500	12880.120.001	M16	100	12880.160.001

- Special features of type STOVER prevailing torque type hexagon nuts:
- Is a one piece all metal class 8 nut, acc. to DIN 980 V.
- The locking is achieved by local radial deformation of a part of the nut. First the nut runs freely on the thread until the locking part is reached, after which the clamping force increases gradually to a maximum. This progressive locking action with distributed pressure over a large surface prevents damage of the thread.
- Resistant to shocks, vibrations and dynamic loads.
- Re-usable.

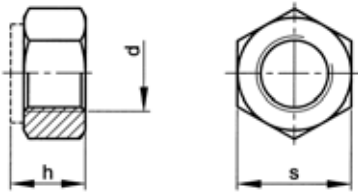
12910 Prevailing torque type hexagon nut all metal		F01J
Thread	Metric thread	
Material	Steel	
Class	10	
Surface treatment	Zinc plated	
Packaging	Standard	

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M6	250	12910.060.001	M12	100	12910.120.001	M20	50	12910.200.001
M8	250	12910.080.001	M14	100	12910.140.001	M24	50	12910.240.001
M10	200	12910.100.001	M16	50	12910.160.001	M30	25	12910.300.001

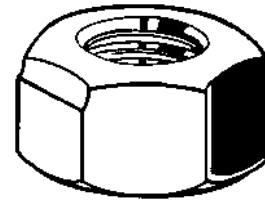
3

- Special features of prevailing torque type hexagon nuts:
- Is a one piece all metal class 10 nut, acc. to DIN 980 V.
- The locking is achieved by local radial deformation of a part of the nut. First the nut runs freely on the thread until the locking part is reached, after which the clamping force increases gradually to a maximum. This progressive locking action with distributed pressure over a large surface prevents damage of the thread.
- Resistant to shocks, vibrations and dynamic loads.
- Re-usable.

Prevailing torque type hexagon nut all metal MF



ISO 10513
DIN 980V (1987)
 NEN 2452
 NF E25-410



Technical data

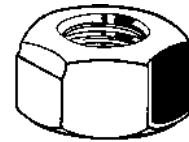
d	h (max.)	s
M8	8	13
M10	10	17
M12	12	19
M14	14	22
M16	16	24
M18	18	27
M20	20	30
M24	24	36

3

12912 Prevailing torque type hexagon nut all metal MF

F01J

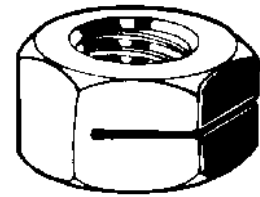
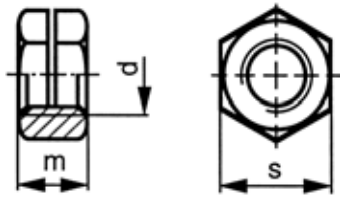
Thread Metric fine thread
Material Steel
Class |8|
Surface treatment Zinc plated
Packaging Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	250	12912.080.100	M12X1,50	200	12912.120.150	M20X1,50	50	12912.200.150
M10X1,00	250	12912.100.100	M14X1,50	200	12912.140.150	M24X1,50	50	12912.240.150
M10X1,25	250	12912.100.125	M16X1,50	100	12912.160.150	M24X2,00	50	12912.240.200
M12X1,25	200	12912.120.125	M18X1,50	100	12912.180.150			

- Special features of prevailing torque type hexagon nuts:
- Is a one piece all metal class 8 nut, acc. to DIN 980 V.
- The locking is achieved by local radial deformation of a part of the nut. First the nut runs freely on the thread until the locking part is reached, after which the clamping force increases gradually to a maximum. This progressive locking action with distributed pressure over a large surface prevents damage of the thread.
- Resistant to shocks, vibrations and dynamic loads.
- Re-usable.

Prevailing torque type hexagon nut type H100-ESN



Technical data

d	P	m	s	d	P	m	s	d	P	m	s
M4	0,7	4	7	M10	1,5	10	16	M20	2,5	20	30
M5	0,8	5	8	M12	1,75	12	18	M22	2,5	22	34
M6	1	6	10	M14	2	14	21	M24	3	24	36
M7	1	7	11	M16	2	16	24	M27	3	27	41
M8	1,25	8	13	M18	2,5	18	27				

3

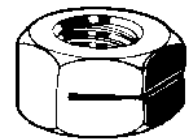
- These SNEP prevailing torque type hexagon nuts should be used in combination with bolts of property class ≤ 6.8.

Article groups

Thread	Driving features	Material	Surface treatment	Packaging	Code	Page
M	hexagon	St	Zipl	Standard	13100	3-64
M	hexagon	Al Sopral P60	Anod.	Standard	45300	3-64
M	hexagon	St.St. A1/A2		Standard	51710	3-65

13100 SNEP Prevailing torque type hexagon nut all metal type H100-ESN F01E

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard

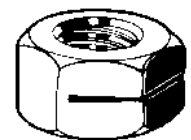


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	13100.040.001	M10	200	13100.100.001	M20	25	13100.200.001
M5	250	13100.050.001	M12	100	13100.120.001	M22	25	13100.220.001
M6	250	13100.060.001	M14	100	13100.140.001	M24	25	13100.240.001
M7	250	13100.070.001	M16	50	13100.160.001	M27	10	13100.270.001
M8	250	13100.080.001	M18	50	13100.180.001			

- Special features of SNEP prevailing torque type hexagon nuts:
- Is a one piece all metal nut.
- The locking is realised by elastic, axial displacement of the partly separated and compressed parts of the nut in relation to each other. First the nut runs freely on the bolt until the groove is reached, the clamping on the thread is achieved by the elastic reaction of the material independent of the torque.
- Zinc plated with a layer thickness of approx. 7 µm.
- Resistant to shocks, vibrations and dynamic loads.
- Re-useable.
- Temperature resistant from -100°C up to + 260°C.


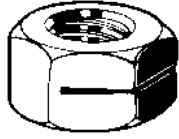
45300 SNEP Prevailing torque type hexagon nut all aluminium W01A

Thread	Metric thread
Material	Aluminium Sopral P60
Surface treatment	Anodized
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M8	200	45300.080.001	M12	100	45300.120.001			
M10	100	45300.100.001	M16	50	45300.160.001			

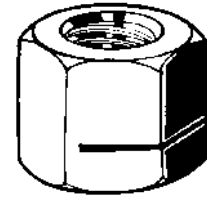
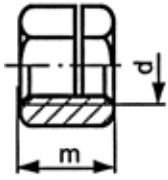
- Colourless anodized.

51710 SNEP Prevailing torque type hexagon nut all stainless steel A1 type H100-ESN		R09A
Thread	Metric thread	 
Material	Stainless steel A1/A2	
Packaging	Standard	

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	100	51710.040.001	M8	50	51710.080.001	M16	10	51710.160.001
M5	100	51710.050.001	M10	50	51710.100.001			
M6	100	51710.060.001	M12	25	51710.120.001			

- Special features of SNEP prevailing torque type hexagon nuts:
- Is a one piece all stainless steel nut
- The locking is realised by elastic, axial displacement of the partly separated and compressed parts of the nut in relation to each other. First the nut runs freely on the bolt until the groove is reached, the clamping on the thread is achieved by the elastic reaction of the material independant of the torque
- Resistant to shocks, vibrations and dynamic loads
- Re-useable
- Temperature resistant from -100°C up to + 260°C
- Stainless steel SNEP prevailing torque type hexagon nuts are provided with a special lubricant to prevent seizing.
- Depending on availability A1 can be supplied as well as A2.

Prevailing torque type hexagon all metal type H130-ESN



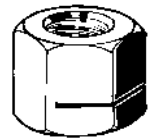
Technical data

d	P	m	s	d	P	m	s	d	P	m	s
M4	0,7	5,2	7	M8	1,25	10,4	13	M16	2	20,8	24
M5	0,8	6,5	8	M10	1,5	13	16	M18	2,5	23,4	27
M6	1	7,8	10	M12	1,75	15,6	18	M20	2,5	26	30
M7	1	9,1	11	M14	2	18,2	21	M24	3	31,2	36

13200 SNEP Prevailing torque type hexagonal all metal type H130-ESN

F01E

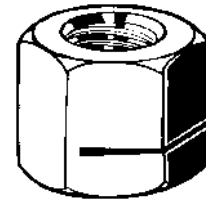
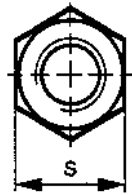
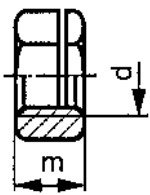
Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	13200.040.001	M8	250	13200.080.001	M16	50	13200.160.001
M5	250	13200.050.001	M10	200	13200.100.001	M18	50	13200.180.001
M6	250	13200.060.001	M12	100	13200.120.001	M20	25	13200.200.001
M7	250	13200.070.001	M14	100	13200.140.001	M24	25	13200.240.001

- These SNEP prevailing torque type hexagon nuts should be used in combination with bolts of property class ≤ 8.8.

Prevailing torque type hexagon nut all metal type USN



Technical data

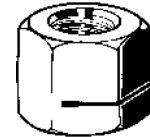
d	P	m	s
M30	3,5	30	46
M33	3,5	33	50
M36	4	36	55
M39	4	39	60
M42	4,5	42	65
M45	4,5	45	70
M48	5	48	75

3

13190 SNEP Prevailing torque type hexagon nut all metal type USN

F01E

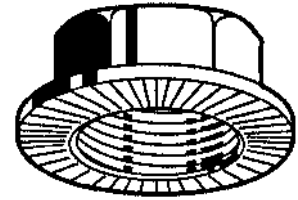
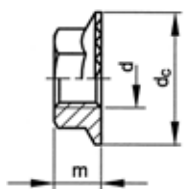
Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M30	10	13190.300.001	M36	5	13190.360.001	M42	5	13190.420.001
M33	10	13190.330.001	M39	5	13190.390.001	M45	4	13190.450.001

- These SNEP prevailing torque type hexagon nuts should be used in combination with bolts of property class ≤ 6.8.
- SNEP prevailing torque type hexagon nuts type USN are available, on request, up to and including M80.

Self-locking hexagon nut with flange



Technical data

d	P	m	s	d _c
M5	0,8	4,3	8	11,2
M6	1	5,5	10	14,2
M8	1,25	7	13	18,2
M10	1,5	8,5	15	21
M12	1,75	10	17	24
M16	2	14	22	31

- Technical brochure available on request.

Special features of RIPP self-locking hexagon nuts with flange:

- the serrated flange limits surface damage assembly, prevents self-loosening and reduces relaxation
- the flange enables built-up forces under the nut head to be spread over a larger area, consequently resulting in lower surface pressure
- large holes (oversized) and/or tooling holes can be covered by the flange
- a washer and/or a locking element is not necessary

ASSEMBLY PRE-LOAD F_M in Kn and TIGHTENING TORQUE M_A in Nm

Class	Mating material	M5		M6		M8		M10		M12		M16	
		F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A
10	Steel ($R_m < 800 \text{ N/mm}^2$)	9	11	12,6	19	23,2	42	37	85	54	130	102	330
	Steel ($R_m \geq 800 \text{ N/mm}^2$)	9	10	12,6	18	23,2	37	37	80	54	120	102	310
	Malleable iron	9	9	12,6	16	23,2	35	37	75	54	115	102	300

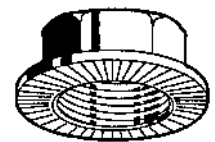
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	10		Standard	12470	3-68
M	hexagon	St	10	Zipl	Standard	12471	3-68
M	hexagon	St	10	FLZNNC-NC6	Standard	12474	3-69

12470 RIPP Self-locking hexagon nut with flange

F92A

Thread	Metric thread
Material	Steel
Class	10
Packaging	Standard

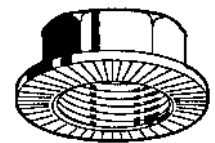


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	500	12470.050.001	M8	200	12470.080.001	M12	100	12470.120.001
M6	500	12470.060.001	M10	200	12470.100.001	M16	100	12470.160.001

12471 RIPP Self-locking hexagon nut with flange

F92A

Thread	Metric thread
Material	Steel
Class	10
Surface treatment	Zinc plated
Packaging	Standard

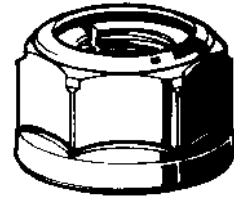
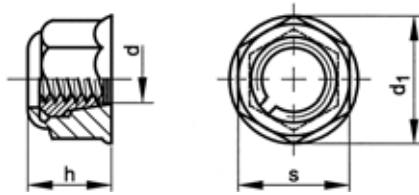


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	500	12471.050.001	M8	200	12471.080.001	M12	100	12471.120.001
M6	500	12471.060.001	M10	200	12471.100.001	M16	100	12471.160.001

12474	RIPP Self-locking hexagon nut with flange	F92A
Thread	Metric thread	
Material	Steel	
Class	10	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M5	250	12474.050.001	M8	200	12474.080.001	M12	100	12474.120.001
M6	250	12474.060.001	M10	200	12474.100.001	M16	100	12474.160.001

Prevailing torque type hexagon nut all metal

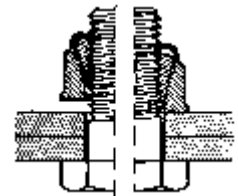


Technical data

d	P	d ₁	h	s
M6	1	12	7,5	10
M8	1,25	16,8	10	14
M10	1,5	20,4	12,5	17
M12	1,75	25	15	21
M14	2	27,5	17	23
M16	2	31	19	26
M18	2,5	34,5	22	29
M20	2,5	38,5	23	32
M22	2,5	41,5	25	35
M24	3	45	28,5	38

Special features of SECURIT prevailing torque type hexagon nuts:

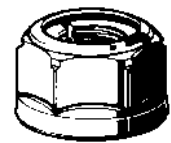
- is a two-piece all metal nut, consisting of an internal cone in which the thread is tapped and slotted over the full height, and an external cone (being hexagonal with a turner over flange on the top) attached to each other. During torquing the internal cone is clamped around the full circumference of the thread with a progressive force.
- re-usable
- temperature resistant up to +350°C.



13000 SECURIT Prevailing torque type hexagon nut all metal

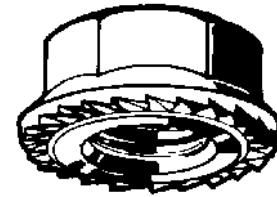
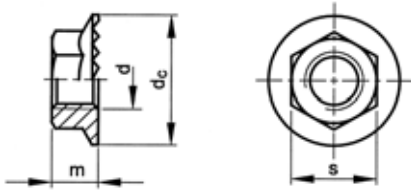
F93A

Thread	Metric thread
Material	Steel
Class	6
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	50	13000.060.001	M10	25	13000.100.001			
M8	25	13000.080.001	M12	10	13000.120.001			

Self-locking hexagon nut TENSILOCK



Technical data

d	P	m	s	d _c
M5	0,8	4,3	8	11,2
M6	1	5,5	10	14,25
M8	1,25	7	13	18,25
M10	1,5	7,9	15	21
M12	1,75	8,7	17	24
M16	2	11,2	22	31

- Class 8 shall be used with property class 8.8 and 90 and class 10 with property class 10.9 and 100.
- Technical brochure available on request.

Special features of TENSILOCK self-locking hexagon nuts:

- the resilient serrated flange gives excellent self-locking properties
- inside of the resilient flange serration there is an optimal preloading of the construction with minimal settlement
- a washer and/or locking element is not necessary and is not even advisable

ASSEMBLY PRE-LOAD F_M in kN and TIGHTENING TORQUE M_A in Nm

Class	Mating material	M5		M6		M8		M10		M12		M16	
		F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A	F_M	M_A
8	Steel	6,35	9	9	16	16,5	34	26,2	58	--	--	--	--
	Malleable iron	6,35	7	9	13	16,5	28	26,2	49	--	--	--	--
10	Steel	--	--	--	--	--	--	--	--	54	120	102	280
	Malleable iron	--	--	--	--	--	--	--	--	54	105	102	260

Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8/10		Standard	01150	3-71
M	hexagon	St	8/10	Zipl	Standard	01149	3-71
M	hexagon	St	8/10	FLZNNC-NC6	Standard	01155	3-72

01150 TENSILOCK Self-locking hexagon nut

F92A

Thread Metric thread
Material Steel
Class 8/10
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	500	01150.050.001	M8	200	01150.080.001	M12	100	01150.120.001
M6	500	01150.060.001	M10	200	01150.100.001	M16	100	01150.160.001

01149 TENSILOCK Self-locking hexagon nut

F92A

Thread Metric thread
Material Steel
Class 8/10
Surface treatment Zinc plated
Packaging Standard



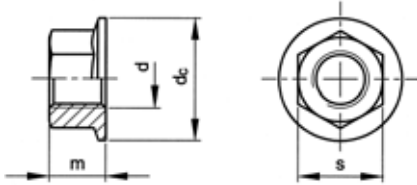
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5 - CL.8	500	01149.050.001	M8 - CL.8	200	01149.080.001	M12 - CL.10	100	01149.120.001
M6 - CL.8	500	01149.060.001	M10 - CL.8	200	01149.100.001	M16 - CL.10	100	01149.160.001

01155 TENSILOCK Self-locking hexagon nut		F92A
Thread	Metric thread	
Material	Steel	
Class	8/10	
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc	
Packaging	Standard	

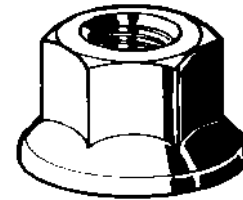
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M6	500	01155.060.001	M10	200	01155.100.001	M16	100	01155.160.001
M8	200	01155.080.001	M12	100	01155.120.001			

3

Hexagon nut with flange



ISO 4161
 DIN 6923 (1983)
 NF E25-406



Technical data

d	P	m (max.)	s	d _c (max.)
M4 (#DIN)	0,7	4,5	7	9,8
M5	0,8	5	8	11,8
M6	1	6	10	14,2
M8	1,25	8	13	17,9
M10	1,5	10	15	21,8
M12	1,75	12	18	26
M14	2	14	21	29,9
M16	2	16	24	34,5
M20	2,5	20	30	42,8
M24 (#DIN)	3	24	36	51

- Special features of hexagon nuts with flange:
 - The flange enables built up forces to be spread over a larger area, consequently resulting in lower surface pressure.
 - Large holes (oversized) and/or tooling holes can be covered by the flange.
 - A washer is not necessary.

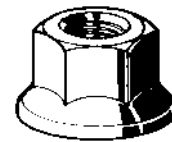
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8	Zipl	Standard	11590	3-73
M	hexagon	St	8	Zipl yell.p.	Standard	11595	3-73
M	hexagon	St	10	Zipl	Standard	11598	3-74
M	hexagon	St.St. A2	70		Standard	51108	3-74

11590 Hexagon nut with flange

F01X

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated
Packaging Standard

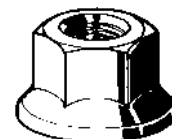


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	11590.040.001	M10	100	11590.100.001	M20	50	11590.200.001
M5	250	11590.050.001	M12	100	11590.120.001	M24	25	11590.240.001
M6	250	11590.060.001	M14	50	11590.140.001			
M8	250	11590.080.001	M16	50	11590.160.001			

11595 Hexagon nut with flange

F01X

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated yellow passivated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	11595.050.001	M10	100	11595.100.001	M16	50	11595.160.001
M6	250	11595.060.001	M12	100	11595.120.001			
M8	250	11595.080.001	M14	50	11595.140.001			

11598 Hexagon nut with flange		F01X
Thread	Metric thread	
Material	Steel	
Class	10	
Surface treatment	Zinc plated	
Packaging	Standard	

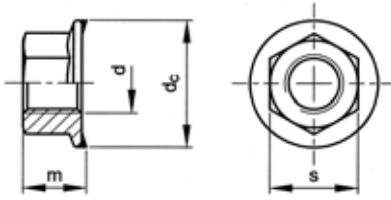
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	11598.050.001	M10	100	11598.100.001	M16	50	11598.160.001
M6	250	11598.060.001	M12	100	11598.120.001	M20	50	11598.200.001
M8	250	11598.080.001	M14	50	11598.140.001	M24	25	11598.240.001

3

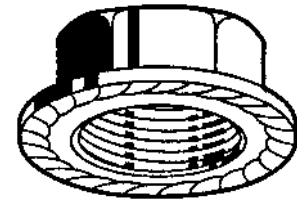
51108 Hexagon nut with flange		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Class	70	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	51108.050.001	M8	250	51108.080.001	M12	100	51108.120.001
M6	250	51108.060.001	M10	100	51108.100.001			

Hexagon nut with toothed flange



ISO ≈4161
 DIN ≈6923 (1983)
 NF ≈E25-406



Technical data

d	P	m (max.)	s	d _c (max.)
M4 (#DIN)	0,7	4,5	7	9,6
M5	0,8	5	8	11,8
M6	1	6	10	14,2
M8	1,25	8	13	17,9
M10	1,5	10	15	21,8
M12	1,75	12	18	26
M14	2	14	21	29,9
M16	2	16	24	34,5

- Special features of hexagon nuts with toothed flange:
- The flange enables built up forces to be spread over a larger area, consequently resulting in lower surface pressure.
- Large holes (oversized) and/or tooling holes can be covered by the flange.
- A washer is not necessary.
- Toothened flangebrim gives excellent self-locking properties.

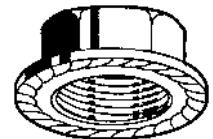
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	8		Standard	11609	3-75
M	hexagon	St	8	Zipl	Standard	11610	3-75
M	hexagon	St	8	Zipl yell.p.	Standard	11611	3-75

11609 Hexagon nut with toothed flange

F01X

Thread Metric thread
Material Steel
Class 8
Packaging Standard

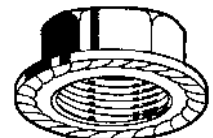


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	11609.050.001	M8	250	11609.080.001	M12	100	11609.120.001
M6	250	11609.060.001	M10	100	11609.100.001	M16	50	11609.160.001

11610 Hexagon nut with toothed flange

F01X

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated
Packaging Standard

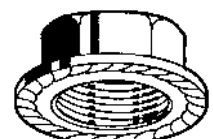


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	11610.040.001	M8	250	11610.080.001	M14	50	11610.140.001
M5	250	11610.050.001	M10	100	11610.100.001	M16	50	11610.160.001
M6	250	11610.060.001	M12	100	11610.120.001			

11611 Hexagon nut with toothed flange

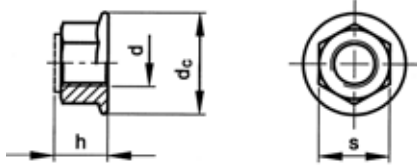
F01X

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated yellow passivated
Packaging Standard

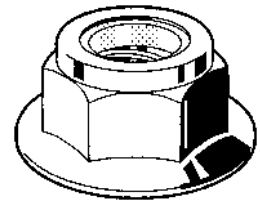


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	11611.040.001	M8	250	11611.080.001	M14	50	11611.140.001
M5	250	11611.050.001	M10	100	11611.100.001	M16	50	11611.160.001
M6	250	11611.060.001	M12	100	11611.120.001			

Prevailing torque type hexagon flange nut with non-metallic insert



ISO 7043
DIN 6926



Technical data

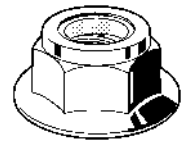
d	P	h (max.)	s	d _c (max.)
M5	0,8	7,1	8	11,8
M6	1	9,1	10	14,2
M8	1,25	11,1	13	17,9
M10	1,5	13,5	15	21,8
M12	1,75	16,1	18	26
M16	2	20,3	24	34,5

3

12460 Prevailing torque type hexagon flange nut with non-metallic insert

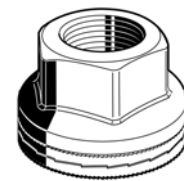
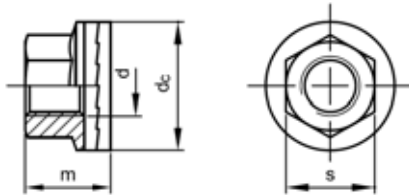
F01X

Thread Metric thread
Material Steel
Class 8
Surface treatment Zinc plated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	12460.050.001	M8	250	12460.080.001	M12	100	12460.120.001
M6	250	12460.060.001	M10	200	12460.100.001	M16	50	12460.160.001

Hexagon wheelnut



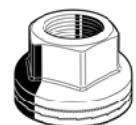
Technical data

d x P	M22x1,5
s	32
d _c	46
m	27
Tightening torque in Nm	600-650
Assembly pre-load in kN	≈ 200

12479 NORDLOCK Hexagon wheelnut

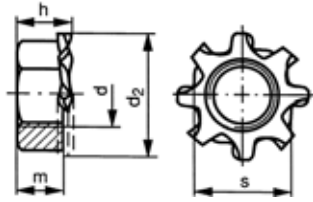
NL2A

Thread Metric extra fine thread
Material Steel
Class 10
Surface treatment Deltaprotekt
Packaging Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M22X1,5	20	12479.220.150						

Prevailing torque type hexagon nut with captive toothed lock washer



Technical data

d	P	m	s	h	d ₂
M3	0,5	2,4	5,5	3,1	6,6
M4	0,7	3,2	7	4	8
M5	0,8	4	8	5,1	9,2
M6	1	5	10	6,1	11,4
M8	1,25	6,5	13	7,9	14,9
M10	1,5	8	17	9,6	19

3

11490 COMBY Prevailing torque type hexagon nut with captive toothed lock washer

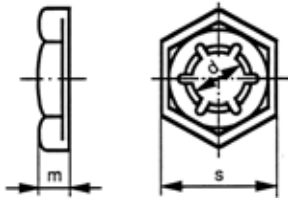
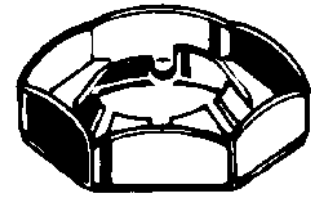
F01X

Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	11490.030.001	M5	250	11490.050.001	M8	200	11490.080.001
M4	250	11490.040.001	M6	250	11490.060.001			

Self-locking counter nut


 DIN 7967
 NF E27-460


Technical data

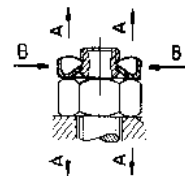
d	P	m	s
M4	0,7	2,5	7
M5	0,8	2,5	8
M6	1	3	10
M8	1,25	3,5	13
M10	1,5	4	17
M12	1,75	4,5	19

d	P	m	s
M14	2	5	22
M16	2	5	24
M18	2,5	5,5	27
M20	2,5	6	30
M22	2,5	6	32
M24	3	7	36

d	P	m	s
M27	3	7	41
M30	3,5	8	46
M36	4	9	55

Special features of PAL self-locking counter nuts:

- have to be spun down the thread until finger-tight, then locked by a quarter to half turn with a spanner. Besides the clamping force A, a simultaneous radial force B will be developed causing a locking action
- are often used as locknut above a hexagon nut
- disassembly by tighten the hexagon nut firmly



Article groups

Thread	Driving features	Material	Surface treatment	Packaging	Code	Page
M	hexagon	Spring steel DIN17222	Zipl	Standard	12530	3-78
M	hexagon	St.St. A2		Standard	51735	3-78

12530 PAL Self-locking counter nut

F01X

Thread	Metric thread
Material	Spring steel DIN17222
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	200	12530.050.001	M14	100	12530.140.001	M24	100	12530.240.001
M6	200	12530.060.001	M16	100	12530.160.001	M27	100	12530.270.001
M8	100	12530.080.001	M18	100	12530.180.001	M30	100	12530.300.001
M10	100	12530.100.001	M20	100	12530.200.001	M36	100	12530.360.001
M12	100	12530.120.001	M22	100	12530.220.001			

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

51735 PAL Self-locking counter nut

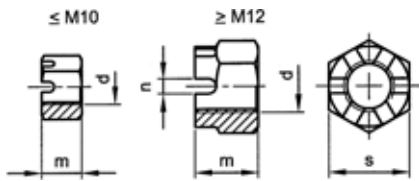
R09A

Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard
	DIN ≈7967
	NF ≈E27-460

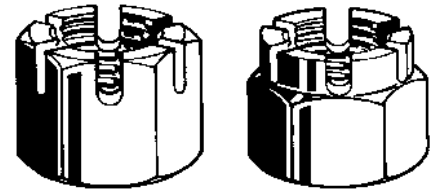


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4 *	500	51735.040.001	M8	100	51735.080.001	M16	50	51735.160.001
M5 *	500	51735.050.001	M10	100	51735.100.001	M20	50	51735.200.001
M6	200	51735.060.001	M12	50	51735.120.001	M24	50	51735.240.001

Hexagon slotted and castle nut



DIN 935-1
NEN 729



Technical data

d	P	m	s	n	Number of slots	Split pin DIN94
M5	0,8	6	8	1,4	6	1,2x12
M6	1	7,5	10	2	6	1,6x14
M7	1	8	11	2	6	1,6x14
M8	1,25	9,5	13	2,5	6	2x16
M10	1,5	12	17 (16)	2,8	6	2,5x20
M12	1,75	15	19 (18)	3,5	6	3,2x22
M14	2	16	22 (21)	3,5	6	3,2x25
M16	2	19	24	4,5	6	4x28
M18	2,5	21	27	4,5	6	4x32
M20	2,5	22	30	4,5	6	4x36
M22	2,5	26	32 (34)	5,5	6	5x36
M24	3	27	36	5,5	6	5x40
M27	3	30	41	5,5	6	5x45
M30	3,5	33	46	7	6	6,3x50
M33	3,5	35	50	7	6	6,3x56
M36	4	38	55	7	6	6,3x63
M39	4	40	60	7	6	6,3x71
M42	4,5	46	65	9	8	8x71
M45	4,5	48	70	9	8	8x80
M48	5	50	75	9	8	8x80
M52	5	54	80	9	8	8x90
M56	5,5	57	85	9	8	8x100
M60	5,5	63	90	11	8	10x100
M64	6	66	95	11	8	10x100

- Guide values for advised split pins (cotter pins) acc. to DIN 94 (ISO 1234).
- Depending on availability the dimensions may deviate.

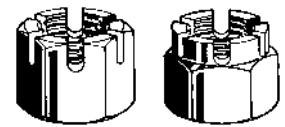
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	4		Standard	12000	3-79
M	hexagon	St	4	Zipl	Standard	12010	3-80
M	hexagon	St.St. A2			Standard	51220	3-80
M	hexagon	St.St. A4			Standard	55220	3-80

12000 Hexagon slotted and castle nut

F01D

Thread Metric thread
Material Steel
Class 4
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	100	12000.050.001	M20	25	12000.200.001	M42	4	12000.420.001
M6	100	12000.060.001	M22	25	12000.220.001	M45	3	12000.450.001
M8	100	12000.080.001	M24	25	12000.240.001	M48	3	12000.480.001
M10	100	12000.100.001	M27	10	12000.270.001	M52	1	12000.520.001
M12	100	12000.120.001	M30	10	12000.300.001	M56	1	12000.560.001
M14	50	12000.140.001	M33	10	12000.330.001	M60	1	12000.600.001
M16	50	12000.160.001	M36	5	12000.360.001	M64	1	12000.640.001
M18	50	12000.180.001	M39	4	12000.390.001			

- Up to and including M12 slotted and castle nuts are class 5, above size M12 class 4.
- Up to and including M39 slotted and castle nuts are provided with 6 slots, above M39 with 8 slots.

12010 Hexagon slotted and castle nut		F01D
Thread	Metric thread	
Material	Steel	
Class	4	
Surface treatment	Zinc plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	100	12010.060.001	M16	50	12010.160.001	M30	10	12010.300.001
M8	100	12010.080.001	M20	25	12010.200.001	M33	10	12010.330.001
M10	100	12010.100.001	M22	25	12010.220.001	M36	5	12010.360.001
M12	100	12010.120.001	M24	25	12010.240.001			
M14	50	12010.140.001	M27	10	12010.270.001			

3

- Up to and including M12 slotted and castle nuts are class 5, above size M12 class 4.
- Up to and including M39 slotted and castle nuts are provided with 6 slots, above M39 with 8 slots.

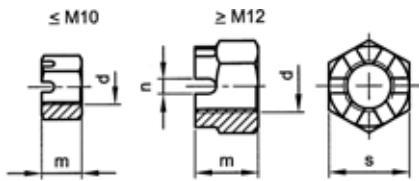
51220 Hexagon slotted and castle nut		R09A
Thread	Metric thread	
Material	Stainless steel A2	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	50	51220.050.001	M14	25	51220.140.001	M24	5	51220.240.001
M6	50	51220.060.001	M16	10	51220.160.001	M27	3	51220.270.001
M8	50	51220.080.001	M18	10	51220.180.001	M30	1	51220.300.001
M10	50	51220.100.001	M20	5	51220.200.001			
M12	25	51220.120.001	M22 *	25	51220.220.001			

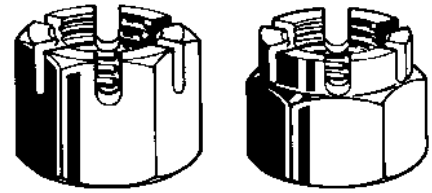
55220 Hexagon slotted and castle nut		R49A
Thread	Metric thread	
Material	Stainless steel A4	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	50	55220.050.001	M12	25	55220.120.001	M20	5	55220.200.001
M6	50	55220.060.001	M14	25	55220.140.001	M24	5	55220.240.001
M8	50	55220.080.001	M16	10	55220.160.001	M27	3	55220.270.001
M10	50	55220.100.001	M18	10	55220.180.001	M30	1	55220.300.001

Hexagon slotted and castle nut MF



DIN 935
NEN 729



Technical data

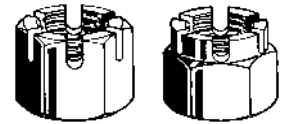
d	m	s	n	Number of slots	Split pin DIN94
M8	9,5	13	2,5	6	2x16
M10	12	17 (16)	2,8	6	2,5x20
M12	15	19 (18)	3,5	6	3,2x22
M14	16	22 (21)	3,5	6	3,2x25
M16	19	24	4,5	6	4x28
M18	21	27	4,5	6	4x32
M20	22	30	4,5	6	4x36
M22	26	32 (34)	5,5	6	5x36
M24	27	36	5,5	6	5x40
M27	30	41	5,5	6	5x45
M30	33	46	7	6	6,3x50
M36	38	55	7	6	6,3x63
M42	46	65	9	8	8x71
M56	57	85	9	8	8x100

- Guide values for advised split pins (cotter pins) acc. to DIN 94 (ISO 1234).
- Depending on availability the dimensions may deviate.

12020 Hexagon slotted and castle nut MF

F01D

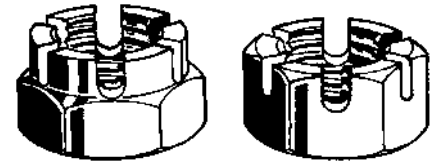
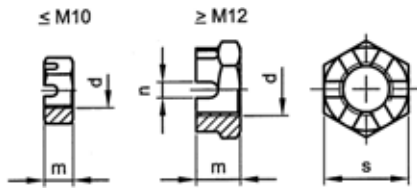
Thread Metric fine thread
Material Steel
Class 4
Packaging Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	100	12020.080.100	M18X1,50	50	12020.180.150	M30X1,50 (≠DIN)	10	12020.300.150
M10X1,00	100	12020.100.100	M20X1,50	25	12020.200.150	M30X2,00	10	12020.300.200
M12X1,50	100	12020.120.150	M22X1,50	25	12020.220.150			
M14X1,50	50	12020.140.150	M24X1,50 (≠DIN)	25	12020.240.150	M36X1,50 (≠DIN)	5	12020.360.150
M16X1,50	50	12020.160.150	M27X1,50 (≠DIN)	10	12020.270.150	M42X1,50 (≠DIN)	5	12020.420.150

Hexagon thin slotted and castle nut

DIN 979



Technical data

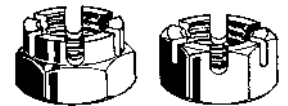
d	P	m	s	n	Split pin DIN94
M6	1	5	10	2	1,6x14
M8	1,25	6,5	13	2,5	2x16
M10	1,5	8	17 (16)	2,8	2,5x20
M12	1,75	10	19 (18)	3,5	3,2x22
M14	2	11	22 (21)	3,5	3,2x25
M16	2	13	24	4,5	4x28
M18	2,5	15	27	4,5	4x32
M20	2,5	16	30	4,5	4x36
M22	2,5	18	32 (34)	5,5	5x36
M24	3	19	36	5,5	5x40
M27	3	22	41	5,5	5x45
M30	3,5	24	46	7	6,3x50

- Guide values for advised split pins (cotter pins) acc. to DIN 94 (ISO 1234).
- Depending on availability the dimensions may deviate.

12060 Hexagon thin slotted and castle nut

F01D

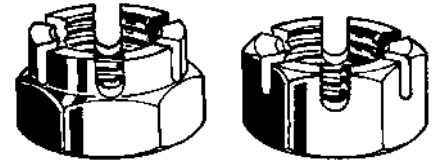
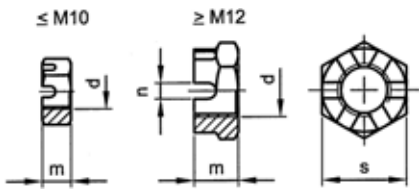
Thread Metric thread
Material Steel
Class 04
Packaging Standard
 DIN 979



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M8	100	12060.080.001	M16	50	12060.160.001	M24	25	12060.240.001
M10	100	12060.100.001	M18	50	12060.180.001	M27	10	12060.270.001
M12	100	12060.120.001	M20	25	12060.200.001	M30	10	12060.300.001
M14	50	12060.140.001	M22	25	12060.220.001			

Hexagon thin slotted and castle nut MF

DIN 979



Technical data

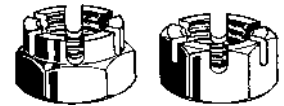
d	m	s	n	Split pin DIN94
M8	6,5	13	2,5	2X16
M10	8	17 (16)	2,8	2,5X20
M12	10	19 (18)	3,5	3,2X22
M14	11	22 (21)	3,5	3,2X25
M16	13	24	4,5	4X28
M18	15	27	4,5	4X32
M20	16	30	4,5	4X36
M22	18	32 (34)	5,5	5x36
M24	19	36	5,5	5x40
M27	22	41	5,6	5x45
M30	24	46	7	6,3x50
M39	31	60	7	6,3x71

- Guide values for advised split pins (cotter pins) acc. to DIN 94 (ISO 1234).
- Depending on availability the dimensions may deviate.

12080 Hexagon thin slotted and castle nut MF

F01D

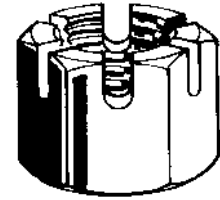
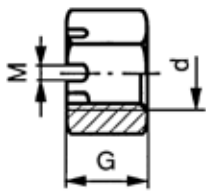
Thread	Metric fine thread
Material	Steel
Class	≥04
Packaging	Standard



d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	100	12080.080.100	M18X1,50	50	12080.180.150	M30X1,50 (≠DIN)	10	12080.300.150
M10X1,00	100	12080.100.100	M20X1,50	25	12080.200.150	M30X2,00	10	12080.300.200
M12X1,50	100	12080.120.150	M22X1,50	25	12080.220.150			
M14X1,50	50	12080.140.150	M24X1,50 (≠DIN)	25	12080.240.150	M39X1,50 (≠DIN)	5	12080.390.150
M16X1,50	50	12080.160.150	M27X1,50 (≠DIN)	10	12080.270.150			

Hexagon slotted and castle nut UNF

BS ≈1768



Technical data

d	Threads per inch	G	A	M
1/4	28	5,7	7/16	2
3/8	24	8,	9/16	3,2
7/16	20	9,7	11/16	3,2
1/2	20	11,2	3/4	4
5/8	18	14	15/16	4,8
3/4	16	16,5	1.1/8	4,8
7/8	14	19,3	1.5/16	4,8
1.IN.-12G	12	22,2	1.1/2	6,4
1.IN.-14G	14	22,2	1.1/2	6,4
1.1/4	12	27,6	1.7/8	8
1.1/2	12	33,3	2.1/4	9,5

- Depending on availability the dimensions may deviate.
- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch.

12161 Hexagon slotted and castle nut UNF		X09A
Thread	Unified National Fine	
Material	Steel	
Class	6	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	100	12161.063.001	5/8	25	12161.158.001	1-14G	10	12161.256.001
3/8	100	12161.096.001	3/4	25	12161.191.001	1.1/4	10	12161.317.001
7/16	50	12161.111.001	7/8	25	12161.222.001	1.1/2	5	12161.381.001
1/2	50	12161.127.001	1-12G	10	12161.255.001			

KALEI Press nuts



General

With KALEI press nuts thin sheet material from 1 mm thick can be provided with full loadable thread. This is an ideal solution for the metal- and/or the plastic sheet processing industry.

Principle

The special formed collar seizes firmly into the material so that the KALEI press nut is secured from pulling loose axially and also from twisting round clockwise viewed from the assembly side.

Assembly

Centering the KALEI press nut above the drilled or punched hole, (tolerance hole $d_2 = H11$). Mechanical insertion or by hammer through which the serrated collar is seated in the wall of hole (use of an inserting tool simplifies assembly). Screws are turned into the KALEI press nut from the collar side. During tightening the collar will be even further anchored in the material.

Type

Steel zinc plated and stainless steel with collar heights (kh) from 0,9 mm up to and including 3,9 mm.

Special KALEI press nuts with higher collar heights for application in light-weight materials, plastics etc., and also non-metric KALEI press nuts are available on request.

Properties

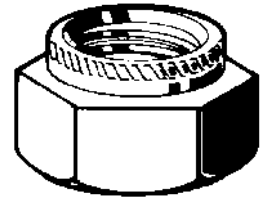
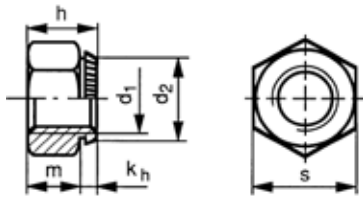
- ideal method to provide thin sheet material with loadable thread
- simple and quick assembly without welding or riveting
- safe seating in sheet material by a specially inclined serrated and case hardened collar
- applicable in steel, aluminium and plastic
- available for several material thicknesses

3

Assembly sequence



Press nut



Technical data

d1	P	kh	d2	h	m	s	Hole ø (H11)	Material thickness (min.)
M2	0,4	0,9	4,5	3	2,1	5,5	4,5	1
M2,3	0,4	0,9	4,5	3	2,1	5,5	4,5	1
M2,5	0,45	0,9	4,5	3	2,1	5,5	4,5	1
M2,6	0,45	0,9	4,5	3	2,1	5,5	4,5	1
M3	0,5	0,9	4,5	3	2,1	5,5	4,5	1
M3 (Kh1,4)	0,5	1,4	4,5	3	1,6	5,5	4,5	1,5
M3 (Kh1,8)	0,5	1,8	4,5	3	1,2	5,5	4,5	2
M4	0,7	0,9	5,5	3,2	2,3	7	5,5	1
M4 (Kh1,4)	0,7	1,4	5,5	3,2	1,8	7	5,5	1,5
M4 (Kh1,8)	0,7	1,8	5,5	4,5	2,7	7	5,5	2
M5	0,8	0,9	6,5	4	3,1	8	6,5	1
M5 (Kh1,4)	0,8	1,4	6,5	4	2,6	8	6,5	1,5
M5 (Kh1,8)	0,8	1,8	6,5	5	3,2	8	6,5	2
M6	1	0,9	8	5	4,1	10	8	1
M6 (Kh1,4)	1	1,4	8	5	3,6	10	8	1,5
M6 (Kh1,8)	1	1,8	8	5	3,2	10	8	2
M8	1,25	1,8	10	6,5	4,7	13	10	2
M10	1,5	1,8	12,5	8	6,2	15	12,5	2
M12	1,75	2,8	14,5	10	7,2	17	14,5	3
M16	2	2,4	18,5	13	10,6	22	18,5	3
M20	2,5	3,9	23	16	12,1	27	23	4

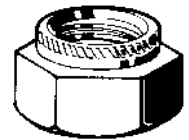
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page	
M	hexagon	St	6	Zipl	Standard	15000	3-86	
M	hexagon	St.St. A1			Standard	15060	3-86	
M	hexagon	St	6	Zipl	Kh=1,4	Standard	15010	3-87
M	hexagon	St.St. A1			Kh=1,4	Standard	15070	3-87
M	hexagon	St	6	Zipl	Kh=1,8	Standard	15020	3-87
M	hexagon	St.St. A1			Kh=1,8	Standard	15080	3-87

15000 KALEI Press nut

F01E

Thread	Metric thread
Material	Steel
Class	6
Surface treatment	Zinc plated
Packaging	Standard

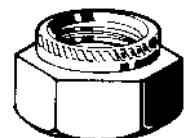


d1	⊠	Art.number	d1	⊠	Art.number	d1	⊠	Art.number
M3	250	15000.030.001	M6	250	15000.060.001	M12	100	15000.120.001
M4	250	15000.040.001	M8	250	15000.080.001	M16	50	15000.160.001
M5	250	15000.050.001	M10	100	15000.100.001	M20	25	15000.200.001

15060 KALEI Press nut


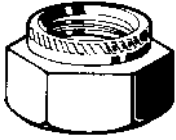
F01E

Thread	Metric thread
Material	Stainless steel A1
Packaging	Standard



d1	⊠	Art.number	d1	⊠	Art.number	d1	⊠	Art.number
M3	100	15060.030.001	M6	100	15060.060.001	M12	50	15060.120.001
M4	100	15060.040.001	M8	50	15060.080.001	M16	25	15060.160.001
M5	100	15060.050.001	M10	50	15060.100.001			

15010 KALEI Press nut $K_h = 1,4$ F01E

Thread	Metric thread		
Material	Steel		
Class	6		
Surface treatment	Zinc plated		
Packaging	Standard		

d1	✉	Art.number	d1	✉	Art.number	d1	✉	Art.number
M3		250 15010.030.001	M5		250 15010.050.001			
M4		250 15010.040.001	M6		250 15010.060.001			

15070 KALEI Press nut $K_h = 1,4$ F01E

Thread	Metric thread		
Material	Stainless steel A1		
Class	6		
Packaging	Standard		

d1	✉	Art.number	d1	✉	Art.number	d1	✉	Art.number
M3		100 15070.030.001	M5		100 15070.050.001			
M4		100 15070.040.001	M6		100 15070.060.001			

15020 KALEI Press nut $K_h = 1,8$ F01E

Thread	Metric thread		
Material	Steel		
Class	6		
Surface treatment	Zinc plated		
Packaging	Standard		

d1	✉	Art.number	d1	✉	Art.number	d1	✉	Art.number
M3		250 15020.030.001	M5		250 15020.050.001			
M4		250 15020.040.001	M6		250 15020.060.001			

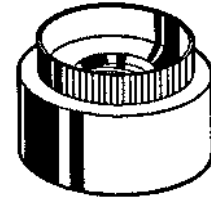
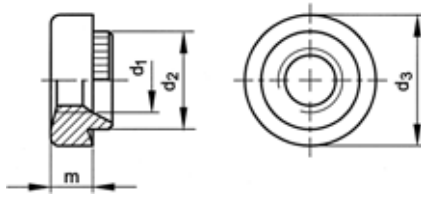
15080 KALEI Press nut $K_h = 1,8$ F01E

Thread	Metric thread		
Material	Stainless steel A1		
Class	6		
Packaging	Standard		

d1	✉	Art.number	d1	✉	Art.number	d1	✉	Art.number
M3		100 15080.030.001	M5		100 15080.050.001			
M4		100 15080.040.001	M6		100 15080.060.001			

3

Round rivet bush



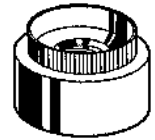
Technical data

d1	P	d2	d3	m	Hole ø
M3	0,5	5,8	7,9	3,2	5,9
M4	0,7	6,9	9,5	3,8	6,95
M5	0,8	8,3	11,1	4,4	8,35
M6	1	9,6	12,7	5,7	9,65
M8	1,25	13	15,9	6,4	13,1
M10	1,5	15,4	19,1	7,6	15,5

12480 Round rivet bush

F01X

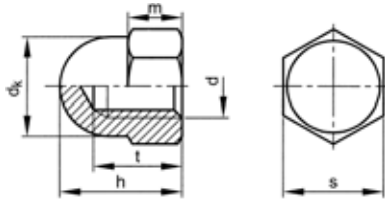
Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard



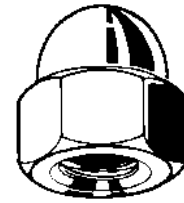
d1 - p	☒	Art.number	d1 - p	☒	Art.number	d1 - p	☒	Art.number
M3-1,0MM	250	12480.030.010	M5-1,0MM	250	12480.050.010	M8-1,5MM	250	12480.080.015
M3-1,5MM	250	12480.030.015	M5-1,5MM	250	12480.050.015	M8-2,0MM	250	12480.080.020
M3-1,8MM	250	12480.030.018	M5-2,0MM	250	12480.050.020	M8-2,5MM	250	12480.080.025
M3-2,5MM	250	12480.030.025	M5-2,5MM	250	12480.050.025	M8-3,0MM	250	12480.080.030
			M5-3,0MM	250	12480.050.030			
M4-1,0MM	250	12480.040.010	M6-1,5MM	250	12480.060.015	M10-3,0MM	100	12480.100.030
M4-1,5MM	250	12480.040.015	M6-2,0MM	250	12480.060.020			
M4-2,0MM	250	12480.040.020	M6-2,5MM	250	12480.060.025			
M4-2,5MM	250	12480.040.025	M6-3,0MM	250	12480.060.030			
M4-3,0MM	250	12480.040.030	M6-4,0MM	250	12480.060.040			

- p = material thickness = grip range.

Hexagon domed cap nut, high type



DIN 1587 (1987)
NEN 1618



Technical data

d	P	m (max.)	s	h	d _k (max.)	t
M3 (#DIN)	0,5	2,5	5,5	6,5	5	4,5
M4	0,7	3,2	7	8	6,5	5,5
M5	0,8	4	8	10	7,5	7,5
M6	1	5	10	12	9,5	8
M7 (#DIN)	1	5	10	12	9,5	8
M8	1,25	6,5	13	15	12,5	11
M10	1,5	8	17	18	16	13
M12	1,75	10	19	22	18	16
M14	2	11	22	25	21	18
M16	2	13	24	28	23	21
M18	2,5	15	27	32	26	25
M20	2,5	16	30	34	28	26
M22	2,5	18	32	39	31	29
M24	3	19	36	42	34	31
M27 (#DIN)	3	20	41	47	40	35
M30 (#DIN)	3,5	24	46	52	42	38
M36 (#DIN)	-	-	-	-	-	-

3

Article groups

Thread	Driving features	Material	Class	Surface treatment	Colour	Packaging	Code	Page
M	hexagon	St	6			Standard	16500	3-89
M	hexagon	St	6	Zipl		Standard	16510	3-89
M	hexagon	St	6	Zipl blk p.		Standard	16516	3-90
M	hexagon	St.St. A1	50			Standard	51400	3-90
M	hexagon	St.St. A4	50			Standard	55400	3-90
M	hexagon	Br Cu3				Standard	47340	3-90
M	hexagon	Br Cu3		Ni.pl.		Standard	47360	3-90
M	hexagon	Plastic PA	PA 6.6		White	Standard	56250	3-91

16500 Hexagon domed cap nut, high type

F01H

Thread Metric thread
Material Steel
Class |6|
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	250	16500.060.001	M16	50	16500.160.001	M27	10	16500.270.001
M8	250	16500.080.001	M18	50	16500.180.001	M30	10	16500.300.001
M10	200	16500.100.001	M20	25	16500.200.001			
M12	100	16500.120.001	M24	10	16500.240.001			

16510 Hexagon domed cap nut, high type

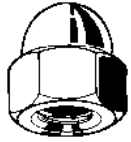
F01H

Thread Metric thread
Material Steel
Class |6|
Surface treatment Zinc plated
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	16510.030.001	M10	200	16510.100.001	M20	25	16510.200.001
M4	250	16510.040.001	M12	100	16510.120.001	M22	10	16510.220.001
M5	250	16510.050.001	M14	50	16510.140.001	M24	10	16510.240.001
M6	250	16510.060.001	M16	50	16510.160.001			
M8	250	16510.080.001	M18	25	16510.180.001			

3

16516 Hexagon domed cap nut, high type		F01H
Thread	Metric thread	
Material	Steel	
Class	[6]	
Surface treatment	Zinc plated black passivated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M5	250	16516.050.001	M6	250	16516.060.001	M8	250	16516.080.001

51400 Hexagon domed cap nut, high type		R09A
Thread	Metric thread	
Material	Stainless steel A1	
Class	50	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	51400.030.001	M10	50	51400.100.001	M20	5	51400.200.001
M4	100	51400.040.001	M12	25	51400.120.001	M22	5	51400.220.001
M5	100	51400.050.001	M14	10	51400.140.001	M24	5	51400.240.001
M6	100	51400.060.001	M16	10	51400.160.001	M27	3	51400.270.001
M8	50	51400.080.001	M18	10	51400.180.001	M30	1	51400.300.001

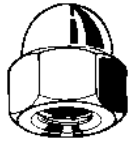
- Depending on availability A1 can be supplied as well as A2.

55400 Hexagon domed cap nut, high type		R49A
Thread	Metric thread	
Material	Stainless steel A4	
Class	50	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	55400.030.001	M10	50	55400.100.001	M20	5	55400.200.001
M4	100	55400.040.001	M12	25	55400.120.001	M22	5	55400.220.001
M5	100	55400.050.001	M14	10	55400.140.001	M24	5	55400.240.001
M6	100	55400.060.001	M16	10	55400.160.001	M27	3	55400.270.001
M8	50	55400.080.001	M18	10	55400.180.001	M30	1	55400.300.001

47340 Hexagon domed cap nut, high type		M11C
Thread	Metric thread	
Material	Brass Cu3	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	500	47340.030.001	M8	100	47340.080.001	M16	10	47340.160.001
M4	200	47340.040.001	M10	50	47340.100.001	M20	10	47340.200.001
M5	200	47340.050.001	M12	25	47340.120.001	M24	5	47340.240.001
M6	200	47340.060.001	M14	25	47340.140.001			

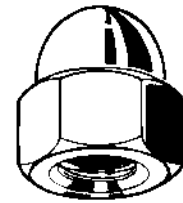
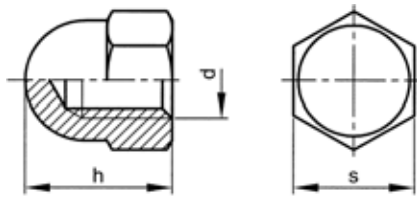
47360 Hexagon domed cap nut, high type		M11C
Thread	Metric thread	
Material	Brass Cu3	
Surface treatment	Nickel plated	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	500	47360.030.001	M6	200	47360.060.001	M12	25	47360.120.001
M4	200	47360.040.001	M8	100	47360.080.001	M16	10	47360.160.001
M5	200	47360.050.001	M10	50	47360.100.001	M20	10	47360.200.001

56250	Hexagon domed cap nut, high type plastic	W02A
Thread	Metric thread	
Material	Plastic Polyamide (nylon)	
Class	PA 6.6	
Colour	White	
Packaging	Standard	
	DIN ≈1587 (1987) NEN ≈1618 NF ≈E27-453	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	56250.030.001	M5	100	56250.050.001	M8	50	56250.080.001
M4	100	56250.040.001	M6	100	56250.060.001	M10	50	56250.100.001

Hexagon domed cap nut BSW



Technical data

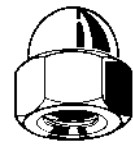
d	Threads per inch	s	h
5/32	32	7	8
3/16	24	8	10
1/4	20	11	12
5/16	18	13	15
1/2	12	22	25
5/8	11	27	32
3/4	10	32	39
7/8	9	36	42
1.IN.	8	41	48

- Whitworth thread (BSW/BSF) is not internationally recommended.
- It is advised to use metric (M/MF) or unified threads (UNC/UNF).

16540 Hexagon domed cap nut BSW

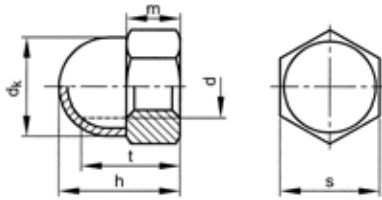
X08A

Thread British Standard Whitworth
Material Steel
Class 6
Packaging Standard

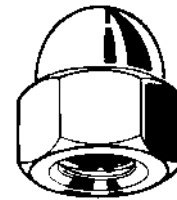


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	200	16540.063.001	1/2	25	16540.127.001	3/4	10	16540.191.001
5/16	100	16540.079.001	5/8	10	16540.158.001	7/8	10	16540.222.001

Hexagon domed cap nut, high type with welded cap



DIN ≈1587 (1987)
NEN ≈1618



Technical data

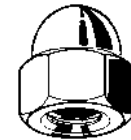
d	P	m (max.)	s	h	d _k (max.)	t ≈
M3 (#DIN)	0,5	2,5	5,5	6,5	5	3
M4	0,7	3,2	7	6,5	6,5	4
M5	0,8	4	8	10	7,5	8
M6	1	5	10	12	9,5	10
M8	1,25	6,5	13	15	12,5	13
M10	1,5	8	16	18	16	15
M12	1,75	10	18	22	18	19
M16	2	13	24	28	23	26
M20	2,5	16	30	34	28	31

3

16300 Hexagon domed cap nut, high type with welded cap

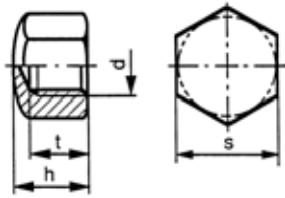
F01H

Thread Metric thread
Material Steel
Class |6|
Surface treatment Chrome plated
Packaging Standard

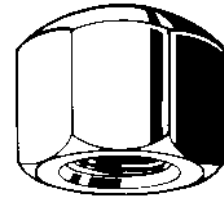


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	16300.030.001	M6	200	16300.060.001	M12	50	16300.120.001
M4	200	16300.040.001	M8	200	16300.080.001	M16	25	16300.160.001
M5	200	16300.050.001	M10	100	16300.100.001	M20	10	16300.200.001

Hexagon cap nut low type



ISO 1617
DIN 917



Technical data

d	P	h	s	t (min.)
M3 (#DIN)	0,5	4,5	5,5	3,5
M4	0,7	5,5	7	4,16
M5	0,8	7	8	4,96
M6	1	9	10	6,71
M8	1,25	12	13	9,21
M10	1,5	14	16	10,65
M12	1,75	16	18	13,15
M14	2	18	21	14,65
M16	2	20	24	16,65
M18	2,5	22	27	18,58
M20	2,5	25	30	20,58
M22	2,5	28	34	21,58
M24	3	30	36	23,58
M27	3	32	41	25,58
M30	3,5	34	46	27,58

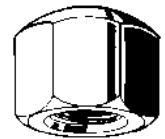
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	6	Zipl	Standard	16410	3-94
M	hexagon	St.St. A1	50		Standard	51380	3-94
M	hexagon	St.St. A4	50		Standard	55380	3-95
M	hexagon	Br Cu3			Standard	47300	3-95

16410 Hexagon cap nut low type

F01H

Thread	Metric thread
Material	Steel
Class	6
Surface treatment	Zinc plated
Packaging	Standard

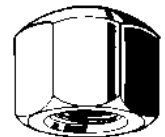


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	16410.040.001	M8	250	16410.080.001	M16	50	16410.160.001
M5	250	16410.050.001	M10	200	16410.100.001	M20	25	16410.200.001
M6	250	16410.060.001	M12	100	16410.120.001	M24	10	16410.240.001

51380 Hexagon cap nut low type

R09A

Thread	Metric thread
Material	Stainless steel A1
Class	50
Packaging	Standard

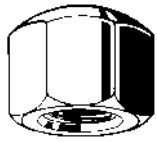


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3 *	200	51380.030.001	M10	50	51380.100.001	M20	5	51380.200.001
M4	100	51380.040.001	M12	25	51380.120.001	M22 *	25	51380.220.001
M5	100	51380.050.001	M14 *	50	51380.140.001	M27 *	10	51380.270.001
M6	100	51380.060.001	M16	10	51380.160.001	M30 *	10	51380.300.001
M8	50	51380.080.001	M18 *	50	51380.180.001			

- Depending on availability A1 can be supplied as well as A2.

55380 Hexagon cap nut low type		R49A
Thread	Metric thread	
Material	Stainless steel A4	
Class	50	
Packaging	Standard	

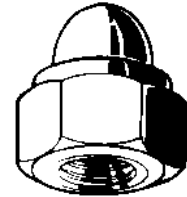
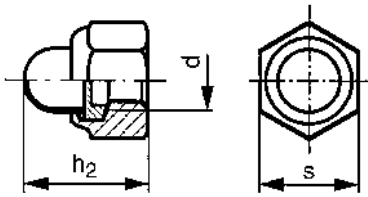
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	55380.040.001	M10	50	55380.100.001	M20	5	55380.200.001
M5	100	55380.050.001	M12	25	55380.120.001	M24	5	55380.240.001
M6	100	55380.060.001	M14 *	50	55380.140.001	M27	1	55380.270.001
M8	50	55380.080.001	M16	10	55380.160.001	M30 *	10	55380.300.001

47300 Hexagon cap nut low type		M11C
Thread	Metric thread	
Material	Brass Cu3	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	200	47300.030.001	M8	100	47300.080.001	M16	10	47300.160.001
M4	200	47300.040.001	M10	50	47300.100.001	M20	10	47300.200.001
M5	200	47300.050.001	M12	25	47300.120.001			
M6	200	47300.060.001	M14	25	47300.140.001			

Prevailing torque type hexagon domed cap nut with non-metallic insert

DIN ≈986



Technical data

d	P	h ₂	s
M4	0,7	9,6	7
M5	0,8	10,5	8
M6	1	12	10
M8	1,25	14	13
M10	1,5	18,1	16
M12	1,75	22,5	18
M16	2	27,5	24
M20	2,5	35	30

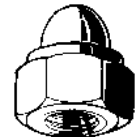
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon	St	≥ 6	Zipl	Standard	16450	3-96
M	hexagon	St.St. A2			Standard	51405	3-96

16450 Prevailing torque type hexagon domed cap nut with non-metallic insert

F01H

Thread	Metric thread
Material	Steel
Class	≥ 6
Surface treatment	Zinc plated
Packaging	Standard

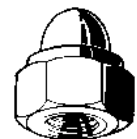


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	16450.040.001	M8	200	16450.080.001	M16	50	16450.160.001
M5	200	16450.050.001	M10	200	16450.100.001	M20	25	16450.200.001
M6	200	16450.060.001	M12	100	16450.120.001			

51405 Prevailing torque type hexagon domed cap nut with non-metallic insert

R09A

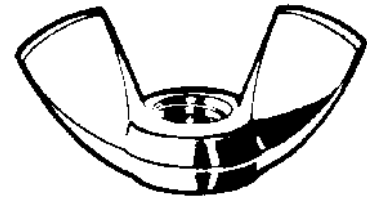
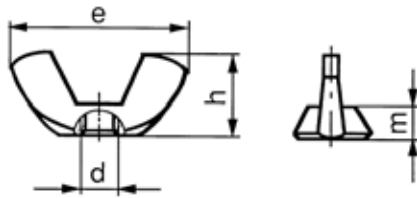
Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	51405.040.001	M8	50	51405.080.001	M16 *	50	51405.160.001
M5	100	51405.050.001	M10	50	51405.100.001			
M6	100	51405.060.001	M12	25	51405.120.001			

Wing nut light (American) type

ANSI=B18.17



Technical data

d	P	m ≈	e ≈	h ≈
M3	0,5	3	18,5	8,8
M4	0,7	3	18,5	8,8
M5	0,8	4	22	10,5
M6	1	4,9	26,8	12,9
M8	1,25	5,4	30,3	14,8
M10	1,5	6,3	35,3	17,3
M12	1,75	7,9	47,5	22,5
M14	2	10,6	65	30,8
M16	2	10,6	65	30,8
M20	2,5	12,2	66,5	31,2

Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	wing	St	04	Zipl	Standard	16250	3-97
M	wing	St.St. A2			Standard	51810	3-97
M	wing	St.St. A4			Standard	55810	3-97

16250 Wing nut light (American) type

F01X

Thread	Metric thread
Material	Steel
Class	04
Surface treatment	Zinc plated
Packaging	Standard

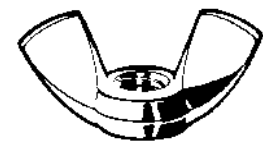


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	16250.030.001	M6	250	16250.060.001	M12	50	16250.120.001
M4	250	16250.040.001	M8	100	16250.080.001	M16	25	16250.160.001
M5	250	16250.050.001	M10	100	16250.100.001	M20	10	16250.200.001

51810 Wing nut light (American) type

R09A

Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	51810.030.001	M8	50	51810.080.001	M16	5	51810.160.001
M4	100	51810.040.001	M10	25	51810.100.001	M20	3	51810.200.001
M5	100	51810.050.001	M12	10	51810.120.001			
M6	50	51810.060.001	M14	5	51810.140.001			

55810 Wing nut light (American) type

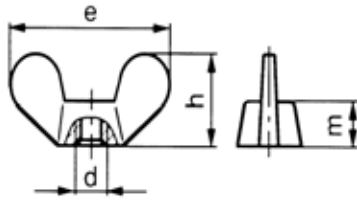
R49A

Thread	Metric thread
Material	Stainless steel A4
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	55810.030.001	M6	50	55810.060.001	M12	10	55810.120.001
M4	100	55810.040.001	M8	50	55810.080.001	M16	5	55810.160.001
M5	100	55810.050.001	M10	25	55810.100.001			

Wing nut rounded wings



DIN 315
NEN 1625



Technical data

d	P	m (min.)	e (max.)	h (max.)
M3 (#DIN)	0,5	2,9	17,6	8,6
M4	0,7	3,2	20	10,5
M5	0,8	4	26	13
M6	1	5	33	17
M8	1,25	6,5	39	20
M10	1,5	8	51	25
M12	1,75	10	65	33,5
M14 (#DIN)	2	11,2	65	33,5
M16	2	13	73	37,5
M20	2,5	16	90	46,5
M24	3	20	110	56,5

Article groups

Thread	Driving features	Material	Surface treatment	Packaging	Code	Page
M	wing	Cl	Zipl	Standard	16270	3-98
M	wing	Br		Standard	47550	3-98
M	wing	Br	Ni.pl.	Standard	47560	3-98

16270 Wing nut rounded wings

F01X

Thread	Metric thread
Material	Cast iron
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	16270.040.001	M10	100	16270.100.001	M20	10	16270.200.001
M5	250	16270.050.001	M12	50	16270.120.001	M24	5	16270.240.001
M6	200	16270.060.001	M14	50	16270.140.001			
M8	100	16270.080.001	M16	20	16270.160.001			

47550 Wing nut rounded wings

M11D

Thread	Metric thread
Material	Brass
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	47550.030.001	M8	100	47550.080.001	M16	20	47550.160.001
M4	250	47550.040.001	M10	100	47550.100.001	M20	10	47550.200.001
M5	250	47550.050.001	M12	50	47550.120.001	M24	5	47550.240.001
M6	200	47550.060.001	M14	50	47550.140.001			

47560 Wing nut rounded wings

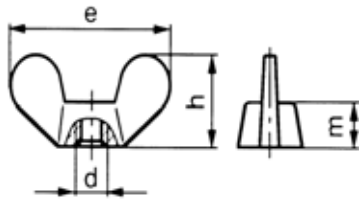
M11D

Thread	Metric thread
Material	Brass
Surface treatment	Nickel plated
Packaging	Standard

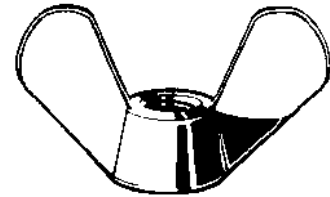


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	250	47560.040.001	M8	100	47560.080.001	M16	20	47560.160.001
M5	250	47560.050.001	M10	100	47560.100.001			
M6	200	47560.060.001	M12	50	47560.120.001			

Wing nut BSW



DIN ≈313 (1956)
 NEN ≈2324 (1960)



Technical data

d	Threads per inch	m	e	h
1/8 (#DIN)	40	2,9	17,6	8,6
5/32 (#DIN)	32	3,2	20	10,5
3/16 (#DIN)	24	4	26	13
1/4	20	5	33	17
5/16	18	6,5	39	20
3/8	16	8	51	25
1/2	12	10	65	33,5
5/8	11	13	73	37,5
3/4	10	16	90	46,5

- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).
- Depending on availability the dimensions may deviate.
- The 1/8 inch wing nuts are the light American type.

Article groups

Thread	Driving features	Material	Packaging	Code	Page
BSW	wing	CI	Standard	16280	3-99
BSW	wing	Br Cu2	Standard	47570	3-99

16280 Wing nut BSW

X08A

Thread British Standard Whitworth
Material Cast iron
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/8	250	16280.031.001	1/4	200	16280.063.001	1/2	50	16280.127.001
5/32	250	16280.039.001	5/16	100	16280.079.001	5/8	20	16280.158.001
3/16	250	16280.047.001	3/8	100	16280.096.001			

47570 Wing nut BSW

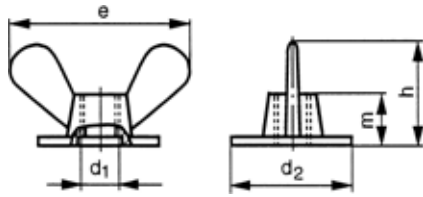
X08A

Thread British Standard Whitworth
Material Brass Cu2
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
5/32	250	47570.039.001	1/4	200	47570.063.001	3/8	100	47570.096.001
3/16	250	47570.047.001	5/16	100	47570.079.001			

Wing nut with collar



Technical data

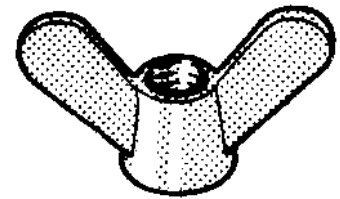
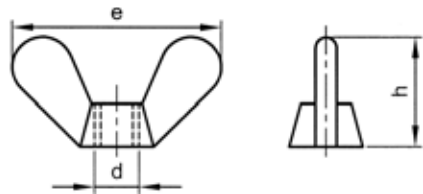
	M5	M6	M8
d1	M5	M6	M8
P	0,8	1	1,25
d ₂	24	24	24
m	14	14	14
e	35	35	35
h	24	24	24

3

56290 Wing nut with collar plastic		W02A
Thread	Metric thread	
Material	Plastic Polyamide (nylon)	
Class	PA 6.6	
Colour	White	
Packaging	Standard	

d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M5	100	56290.050.001	M6	50	56290.060.001	M8	50	56290.080.001

Wing nut plastic



Technical data

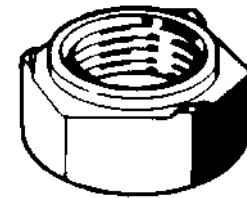
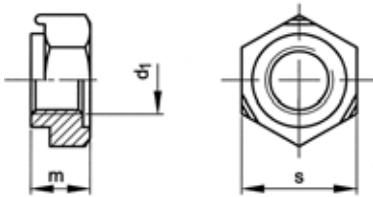
d	P	e	h
M4	0,7	35	22
M5	0,8	35	22
M6	1	35	22
M8	1,25	35	22
M10	1,5	41	25

56280 Wing nut plastic		W02A
Thread	Metric thread	
Material	Plastic Polyamide (nylon)	
Class	PA 6.6	
Colour	White	
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	56280.040.001	M6	50	56280.060.001	M10	25	56280.100.001
M5	100	56280.050.001	M8	50	56280.080.001			

Hexagon weld nut

DIN 929



Technical data

d1	P	m (h14)	s (h13)	Hole ø (H11)
M3	0,5	3	7,5	4,5
M4	0,7	3,5	9	6
M5	0,8	4	10	7
M6	1	5	11	8
M8	1,25	6,5	14	10,5
M10	1,5	8	17	12,5
M12	1,75	10	19	14,8
M14	2	11	22	16,8
M16	2	13	24	18,8

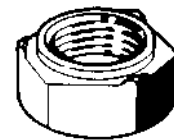
Article groups

Thread	Driving features	Material	Packaging	Code	Page
M	hexagon	St Max. 0,25%C	Standard	14020	3-101
M	hexagon	St.St. A2	Standard	51180	3-101
M	hexagon	St.St. A4	Standard	55180	3-101

14020 Hexagon weld nut

F01F

Thread Metric thread
Material Steel Max. 0,25%C
Packaging Standard



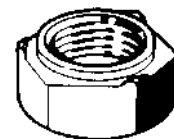
d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M3	1000	14020.030.001	M6	1000	14020.060.001	M12	100	14020.120.001
M4	1000	14020.040.001	M8	1000	14020.080.001	M14	100	14020.140.001
M5	1000	14020.050.001	M10	500	14020.100.001	M16	100	14020.160.001

- These weld nuts can be used with bolts class < 8.8.

51180 Hexagon weld nut

R09A

Thread Metric thread
Material Stainless steel A2
Packaging Standard

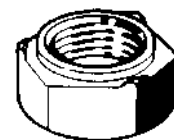


d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M3	100	51180.030.001	M6	100	51180.060.001	M12	25	51180.120.001
M4	100	51180.040.001	M8	50	51180.080.001	M16	25	51180.160.001
M5	100	51180.050.001	M10	50	51180.100.001			

55180 Hexagon weld nut

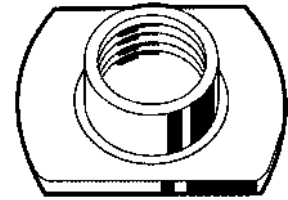
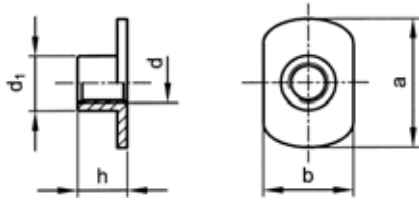
R49A

Thread Metric thread
Material Stainless steel A4
Packaging Standard



d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M3	100	55180.030.001	M6	100	55180.060.001	M12	25	55180.120.001
M4	100	55180.040.001	M8	50	55180.080.001	M16	25	55180.160.001
M5	100	55180.050.001	M10	50	55180.100.001			

Weld nut with smooth flange



Technical data

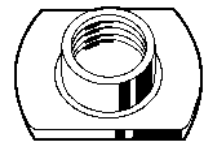
	M4	M5	M6	M8	M10
d	M4	M5	M6	M8	M10
P	0,7	0,8	1	1,25	1,5
d ₁	5	6,4	7,7	10,1	11,9
a	17	19	22	26	26
b	9	11	14	18	18
h	6	7,5	8,5	10	10,5

3

14230 Weld nut with smooth flange

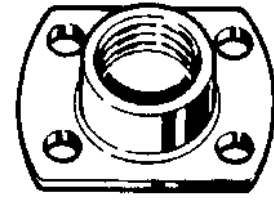
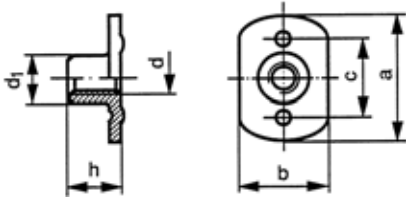
F01F

Thread Metric thread
Material Steel
Packaging Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	1000	14230.040.001	M6	1000	14230.060.001	M10	500	14230.100.001
M5	1000	14230.050.001	M8	1000	14230.080.001			

Spot weld nut



Technical data

d x d1	P	a	b	h	c	Number of welding spots
M3X4,1	0,5	17	9	5	12	2
M4X4,9	0,7	17	9	6	12	2
M4X5	0,7	17	9	6	12	2
M5X6,1	0,8	19	11	7,5	13	2/4
M5X6,4	0,8	19	11	7,5	14	2
M6X7,5	1	22	14	8,5	14	4
M6X7,7	1	22	14	8,5	16	2
M8X9,7	1,25	26	18	11	16	4
M8X10,1	1,25	26	18	10	16	4
M10X11,5	1,5	26	18	10,5	16	4
M10X11,9	1,5	26	18	10,5	16	4

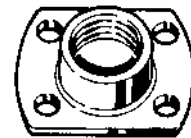
Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	St		Standard	14200	3-103
M	St	Zipl	Standard	14210	3-103
M	St.St. A2		Standard	51183	3-103

14200 Spot weld nut

F01F

Thread Metric thread
 Material Steel
 Packaging Standard

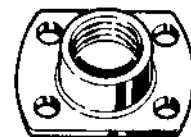


d x d1	Art.number	d x d1	Art.number	d x d1	Art.number
M4x5	1000 14200.040.001	M6x7,7	1000 14200.060.001	M10x11,9	500 14200.100.001
M5x6,4	1000 14200.050.001	M8x10,1	1000 14200.080.001		

14210 Spot weld nut

F01F

Thread Metric thread
 Material Steel
 Surface treatment Zinc plated
 Packaging Standard

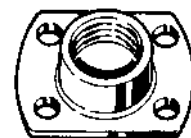


d x d1	Art.number	d x d1	Art.number	d x d1	Art.number
M5x6,4	1000 14210.050.001	M8x10,1	1000 14210.080.001		
M6x7,7	1000 14210.060.001	M10x11,9	500 14210.100.001		

51183 Spot weld nut

R09A

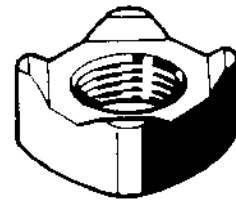
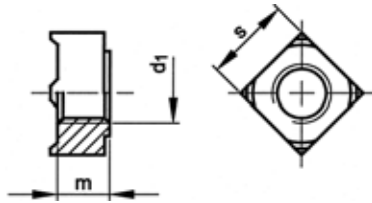
Thread Metric thread
 Material Stainless steel A2
 Packaging Standard



d x d1	Art.number	d x d1	Art.number	d x d1	Art.number
M3x4,1	250 51183.030.001	M5x6,1	250 51183.050.001	M8x9,7	250 51183.080.001
M4x4,9	250 51183.040.001	M6x7,5	250 51183.060.001	M10x11,5	100 51183.100.001

Square weld nut

DIN 928



Technical data

d1	P	m (h14)	s (h14)	Hole ø (H11)
M4	0,7	3,5	7	6
M5	0,8	4,2	9	7
M5 (#DIN)	0,8	4,2	8	7
M6	1	5	10	8
M8	1,25	6,5	14	10,5
M10	1,5	8	17	12,5
M12	1,75	9,5	19	14,8
M14	2	11,4	22	16,8

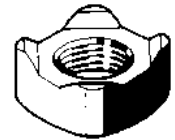
Article groups

Thread	Driving features	Material	Packaging	Code	Page
M	square head	St Max. 0,25%C	Standard	14000	3-104
M	square head	St.St. A2	Standard	51178	3-104

14000 Square weld nut

F01F

Thread	Metric thread
Material	Steel Max. 0,25%C
Packaging	Standard



d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M4	1000	14000.040.001	M8	1000	14000.080.001	M14	100	14000.140.001
M5	1000	14000.050.001	M10	500	14000.100.001			
M6	1000	14000.060.001	M12	100	14000.120.001			

- These weld nuts can be used with bolts class < 8.8.

51178 Square weld nut

R09A

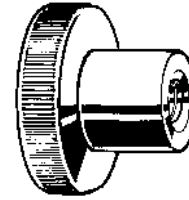
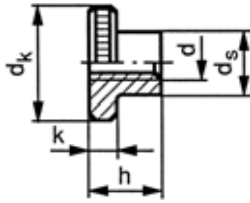
Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard



d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M5	100	51178.050.001	M6	100	51178.060.001	M8	50	51178.080.001

Knurled thumb nut high type

DIN 466



Technical data

d	P	d _k	d _s	k	h
M2	0,4	9	4,5	2	5,3
M3	0,5	12	6	2,5	7,5
M4	0,7	16	8	3,5	9,5
M5	0,8	20	10	4	11,5
M6	1	24	12	5	15
M8	1,25	30	16	6	18
M10	1,5	36	20	8	23

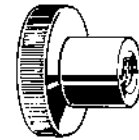
Article groups

Thread	Material	Class	Surface treatment	Packaging	Code	Page
M	St	5	Zipl	Standard	16680	3-105
M	St.St. A1	50		Standard	51830	3-105
M	Br Cu3			Standard	47500	3-105

16680 Knurled thumb nut high type

F01X

Thread	Metric thread
Material	Steel
Class	5
Surface treatment	Zinc plated
Packaging	Standard

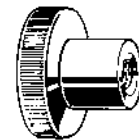


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	16680.030.001	M5	50	16680.050.001	M8	25	16680.080.001
M4	50	16680.040.001	M6	25	16680.060.001	M10	10	16680.100.001

51830 Knurled thumb nut high type

R09A

Thread	Metric thread
Material	Stainless steel A1
Class	50
Packaging	Standard

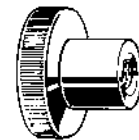


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2 *	100	51830.020.001	M5	25	51830.050.001	M10	5	51830.100.001
M3	50	51830.030.001	M6	10	51830.060.001			
M4	25	51830.040.001	M8	10	51830.080.001			

47500 Knurled thumb nut high type

M11D

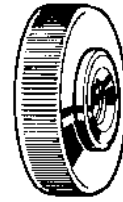
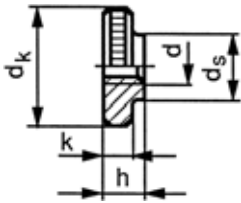
Thread	Metric thread
Material	Brass Cu3
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	100	47500.030.001	M5	50	47500.050.001	M8	25	47500.080.001
M4	50	47500.040.001	M6	25	47500.060.001	M10	10	47500.100.001

Knurled thumb nut thin type

DIN 467



Technical data

d	P	dk	ds	k	h
M3	0,5	12	6	2,5	3
M4	0,7	16	8	3,5	4
M5	0,8	20	10	4	5
M6	1	24	12	5	6
M8	1,25	30	16	6	8
M10	1,5	36	20	8	10

Article groups

Thread	Material	Class	Surface treatment	Packaging	Code	Page
M	St	[5]	Zipl	Standard	16690	3-106
M	St.St. A1	50		Standard	51840	3-106
M	Br Cu3			Standard	47510	3-106
M	Br Cu3		Ni.pl.	Standard	47511	3-107

16690 Knurled thumb nut thin type

F01X

Thread	Metric thread
Material	Steel
Class	[5]
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3		100 16690.030.001	M5		50 16690.050.001	M8		25 16690.080.001
M4		50 16690.040.001	M6		25 16690.060.001	M10		10 16690.100.001

51840 Knurled thumb nut thin type

R09A

Thread	Metric thread
Material	Stainless steel A1
Class	50
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3		50 51840.030.001	M5		25 51840.050.001	M8		10 51840.080.001
M4		25 51840.040.001	M6		10 51840.060.001	M10		5 51840.100.001

47510 Knurled thumb nut thin type

M11D

Thread	Metric thread
Material	Brass Cu3
Packaging	Standard

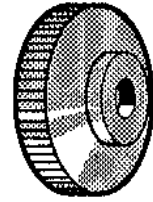
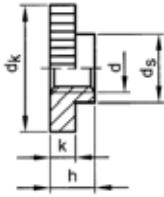


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3		100 47510.030.001	M5		50 47510.050.001	M8		25 47510.080.001
M4		100 47510.040.001	M6		50 47510.060.001	M10		25 47510.100.001

47511 Knurled thumb nut thin type		M01D
Thread	Metric thread	
Material	Brass Cu3	
Surface treatment	Nickel plated	
Packaging	Standard	

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M3	100	47511.030.001	M5	50	47511.050.001	M8	25	47511.080.001
M4	100	47511.040.001	M6	50	47511.060.001	M10	25	47511.100.001

Knurled thumb nut

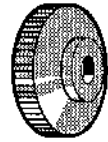


Technical data

	M4	M5	M6
d	M4	M5	M6
P	0,7	0,8	1
d _k	16	16	16
d _s	10	10	10
k	4,6	4,6	4,6
h	6	6	6

56240 Knurled thumb nut plastic W02A

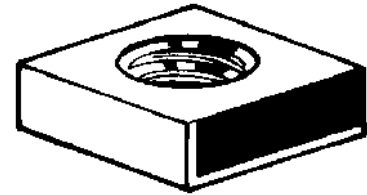
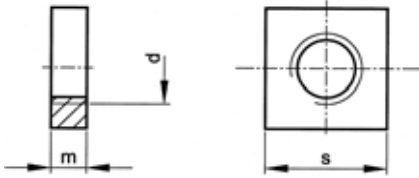
Thread	Metric thread
Material	Plastic Polyamide (nylon)
Class	PA 6.6
Colour	White
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M4	100	56240.040.001	M5	100	56240.050.001	M6	50	56240.060.001

Square thin nut

DIN 562



Technical data

d	P	m	s
M2	0,4	1,2	4
M2,5	0,45	1,6	5
M3	0,5	1,8	5,5
M4	0,7	2,2	7
M5	0,8	2,7	8
M6	1	3,2	10
M8	1,25	4	13
M10	1,5	5	16

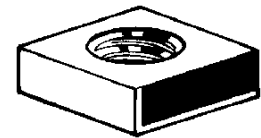
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	square head	St	04	Zipl	Standard	24769	3-109
M	square head	St	04	Zipl	Large	24770	3-109
M	square head	St.St. A2			Standard	51095	3-109
M	square head	St.St. A4			Standard	55095	3-110

24769 Square thin nut

F01X

Thread	Metric thread
Material	Steel
Class	04
Surface treatment	Zinc plated
Packaging	Standard

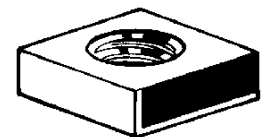


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	24769.030.001	M5	250	24769.050.001	M8	250	24769.080.001
M4	250	24769.040.001	M6	250	24769.060.001	M10	250	24769.100.001

24770 Square thin nut

F01X

Thread	Metric thread
Material	Steel
Class	04
Surface treatment	Zinc plated
Packaging	Large

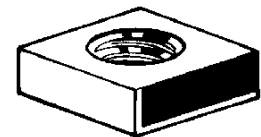


d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	2500	24770.030.001	M5	2500	24770.050.001	M8	1000	24770.080.001
M4	2500	24770.040.001	M6	2500	24770.060.001	M10	500	24770.100.001

51095 Square thin nut

R09A

Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard



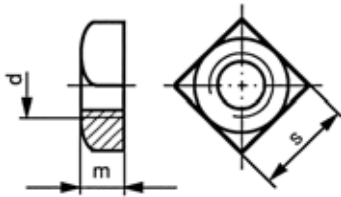
d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2 *	500	51095.020.001	M4	250	51095.040.001	M8	250	51095.080.001
M 2.5 *	500	51095.025.001	M5	250	51095.050.001	M10 *	100	51095.100.001
M3	250	51095.030.001	M6	250	51095.060.001			

55095 Square thin nut		R49A
Thread	Metric thread	
Material	Stainless steel A4	
Packaging	Standard	

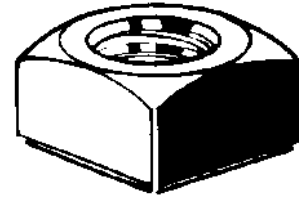
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M3	250	55095.030.001	M5	250	55095.050.001	M8	250	55095.080.001
M4	250	55095.040.001	M6	250	55095.060.001	M10 *	100	55095.100.001

3

Square nut



DIN 557
NF E25-404



Technical data

d	P	m (h15)	s
M4 (#DIN)	0,7	3,2	7
M5	0,8	4	8
M6	1	5	10
M8	1,25	6,5	13
M10	1,5	8	17
M12	1,75	10	19

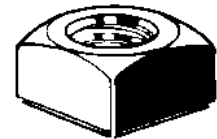
Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	square head	St	≥5		Standard	11120	3-111
M	square head	St	≥5	Zipl	Standard	11140	3-111

11120 Square nut

F01A

Thread Metric thread
Material Steel
Class ≥5
Packaging Standard

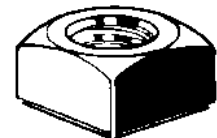


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	250	11120.040.001	M6	250	11120.060.001	M10	250	11120.100.001
M5	250	11120.050.001	M8	250	11120.080.001	M12	100	11120.120.001

11140 Square nut

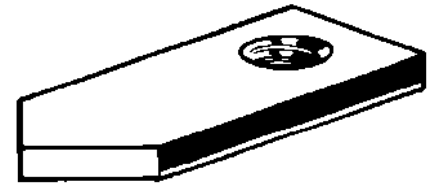
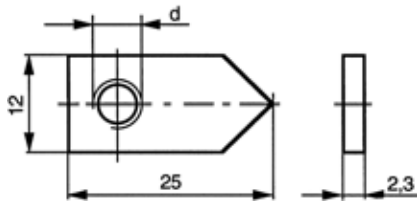
F01A

Thread Metric thread
Material Steel
Class ≥5
Surface treatment Zinc plated
Packaging Standard



d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	250	11140.040.001	M6	250	11140.060.001	M10	250	11140.100.001
M5	250	11140.050.001	M8	250	11140.080.001	M12	100	11140.120.001

Pointed nut

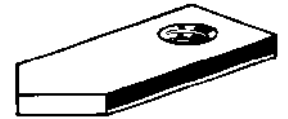


Technical data

d	M6
P	1

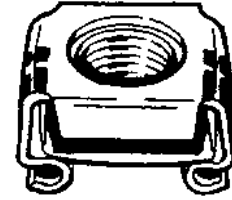
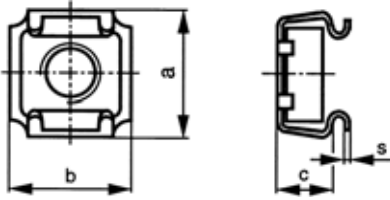
- Application in combination with cross recessed mushroom head screws in boxes and cabinets.

24700	Pointed nut	F01X
Thread	Metric thread	
Material	Steel	
Surface treatment	Zinc plated	
Packaging	Standard	



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6		1000			24700.060.001			

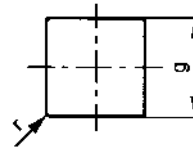
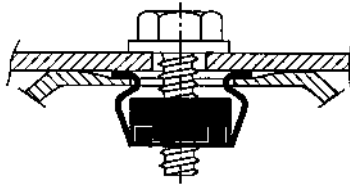
Cage nut



Technical data

Type	a	b	c	s	For screw	Material thickness	g (tol. - 0,2mm)	r
M4-A	13,5	13,2	6	0,5	M4	0,7-1,6	9,5	0,5
M4-B	13,5	13,2	6	0,5	M4	1,7-2,7	9,5	0,5
M5-A	13,5	13,2	6	0,5	M5	0,7-1,6	9,5	0,5
M5-B	13,5	13,2	6	0,5	M5	1,7-2,7	9,5	0,5
M6-A	13,5	13,2	6	0,5	M6	0,7-1,6	9,5	0,5
M6-B	13,5	13,2	6	0,5	M6	1,7-2,7	9,5	0,5
M8-A	16,6	16	7,8	0,6	M8	1,0-1,7	12,3	0,5
M8-B	16,6	16	7,8	0,6	M8	1,8-3,2	12,3	0,5
M10-A	16,6	16	7,8	0,6	M10	1,0-1,7	12,3	0,5
M10-B	16,6	16	7,8	0,6	M10	1,8-3,2	12,3	0,5

Assembly data

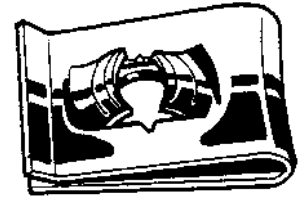
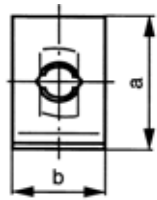


72350 Cage nut		Y93A
Thread	Metric thread	
Material	Spring steel	
Surface treatment	Zinc plated	
Packaging	Standard	

Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
M4 TYPE A	25	72350.040.001	M6 TYPE A	25	72350.060.001	M10 TYPE A	25	72350.100.001
M4 TYPE B	25	72350.040.002	M6 TYPE B	25	72350.060.002	M10 TYPE B	25	72350.100.002
M5 TYPE A	25	72350.050.001	M8 TYPE A	25	72350.080.001			
M5 TYPE B	25	72350.050.002	M8 TYPE B	25	72350.080.002			

- Technical brochure available on request.

Speednut type SNU

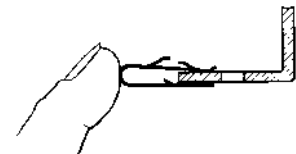
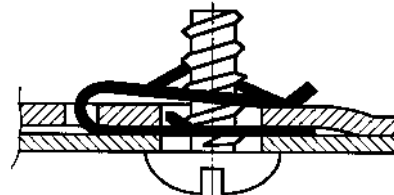
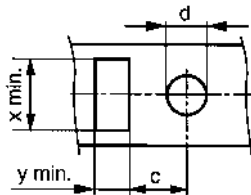


Technical data

Type	SNU 1812	SNU 1219	SNU 0536	SNU 1561	SNU 0537	SNU 1747	SNU 0538	SNU 5113	SNU-M5	SNU-M6	SNU-M8
a	11,1	16,4	16,5	24,6	19,8	12,2	26,2	27,3	20,4	23,6	27,5
b	7,9	11	11	11,1	12,7	16	15,1	14,3	15	16	18
s	0,5	0,6	0,6	0,6	0,7	0,7	0,8	0,9	0,6	0,8	1
For screw	ST2,9	ST3,5	ST4,2	ST4,2	ST4,8	ST4,8	ST5,5	ST6,3	-	-	-
Material thickness	0,7-1,2	0,7-1,6	0,7-1,6	0,7-1,6	0,9-2	0,9-1,6	0,9-2,6	0,8-1,8	-	-	-
c	4,8	6,7	6,7	15	7,9	5,5	11,1	13,1	-	-	-
d	4,8	6	7,2	7,2	8	8	10	10	-	-	-
x (min.)	8,3	11,4	11,4	11,4	12,9	-	15,4	14,7	-	-	-
y (min.)	5,5	6,1	7,6	10,7	9,4	-	9,9	10	-	-	-

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

Assembly data



Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	Spring steel	Zipl	Standard	72340	3-114
ST	Spring steel	Zipl yell.p.	Standard	72293	3-114

72340 Speednut type SNU		Y93A	
Thread	Metric thread		
Material	Spring steel		
Surface treatment	Zinc plated		
Packaging	Standard		



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
M5	50	72340.050.001	M6	50	72340.060.001	M8	50	72340.080.001

- Technical brochure available on request.

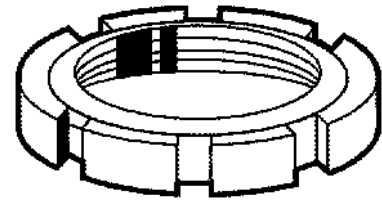
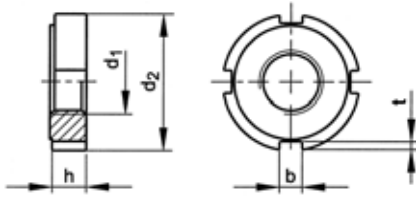
72293 Speednut type SNU		Y93A	
Thread	Self tapping thread		
Material	Spring steel		
Surface treatment	Zinc plated yellow passivated		
Packaging	Standard		



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
2,9MM = No.1812	100	72293.029.001	4,8MM = No.0537	50	72293.048.001	5,5MM = No.0538	50	72293.055.001
3,5MM = No.1219	100	72293.035.001	4,8MM = No.1747	50	72293.048.002	6,3MM = No.5113	50	72293.063.001
4,2MM = No.0536	50	72293.042.001						
4,2MM = No.1561	50	72293.042.002						

Slotted round nut for hook spanners

DIN 1804 W

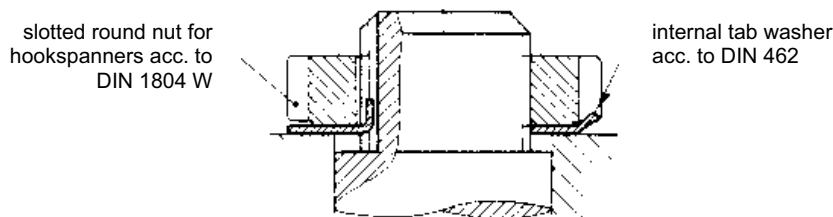


Technical data

d1	d2 (h11)	b	h (h14)	t	Number of slots
M10	25	5	6	2	4
M12	28	5	6	2	4
M14	30	5	7	2	4
M16	32	5	7	2	4
M18	34	6	8	2,5	4
M20	36	6	8	2,5	4
M22	40	6	9	2,5	4
M24	42	6	9	2,5	4
M26	45	7	10	3	4
M28	50	7	10	3	4
M30	50	7	10	3	4
M32	52	7	11	3	4
M35	55	7	11	3	4
M38	58	8	11	3,5	4
M40	62	8	12	3,5	4
M42	62	8	12	3,5	4
M45	68	8	12	3,5	6
M48	75	8	13	3,5	6
M50	75	8	13	3,5	6
M55	80	10	13	4	6
M58	90	10	13	4	6
M60	90	10	13	4	6
M62	95	10	14	4	6
M65	95	10	14	4	6
M68	100	10	14	4	6
M70	100	10	14	4	6
M72	110	10	14	4	6
M75	110	10	14	4	6
M80	115	10	16	4	6
M85	120	10	16	4	6
M90	130	10	16	4	6
M95	135	12	16	5	6
M100	145	12	16	5	6

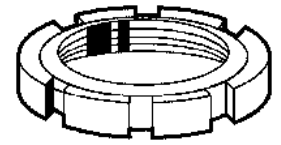
- Slotted round nuts for hookspanners are applicable with internal tab washers acc. to DIN 462 and are easily to assemble with hook wrench acc. to DIN 1810.

Example of application / Assembly data



11572 Slotted round nut for hook spanners F01X

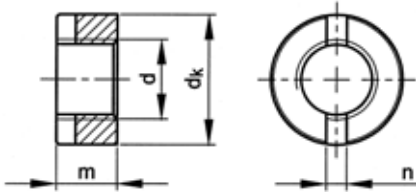
Thread Metric fine thread
Material Steel
Class [5]
Packaging Standard


3

d1 x P	☒	Art.number	d1 x P	☒	Art.number	d1 x P	☒	Art.number
M10X1,00	25	11572.100.100	M32X1,50	5	11572.320.150	M62X1,50	1	11572.620.150
M12X1,50	25	11572.120.150	M35X1,50	5	11572.350.150	M65X1,50	1	11572.650.150
M14X1,50	10	11572.140.150	M38X1,50	5	11572.380.150	M68X1,50	1	11572.680.150
M16X1,50	10	11572.160.150	M40X1,50	5	11572.400.150	M70X1,50	1	11572.700.150
M18X1,50	10	11572.180.150	M42X1,50	5	11572.420.150	M72X1,50	1	11572.720.150
M20X1,50	10	11572.200.150	M45X1,50	5	11572.450.150	M75X1,50	1	11572.750.150
M22X1,50	10	11572.220.150	M48X1,50	5	11572.480.150	M80X2,00	1	11572.800.200
M24X1,50	5	11572.240.150	M50X1,50	5	11572.500.150	M85X2,00	1	11572.850.200
M26X1,50	5	11572.260.150	M55X1,50	5	11572.550.150	M90X2,00	1	11572.900.200
M28X1,50	5	11572.280.150	M58X1,50	5	11572.580.150	M95X2,00	1	11572.950.200
M30X1,50	5	11572.300.150	M60X1,50	1	11572.600.150	M100X2,00	1	11572.982.200

Slotted round nut

DIN 546



Technical data

d	P	dk	m	n
M2	0,4	4,5	2	1
M2,5	0,45	5,5	2,2	1,2
M3	0,5	6	2,5	1,2
M4	0,7	8	3,5	1,4
M5	0,8	9	4,2	2
M6	1	11	5	2,5
M8	1,25	14	6,5	3
M10	1,5	18	8	3,5

- Slotted round nuts are often used in the electrotechnical and fine mechanical industries, they are easily to assemble with a screwdriver acc. to DIN 3115.

11772 Slotted round nut

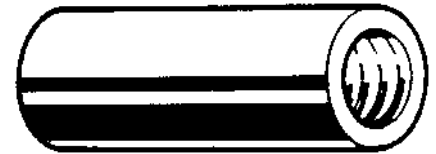
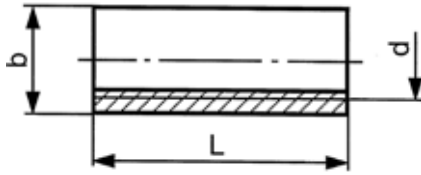
F01X

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M2	100	11772.020.001	M5	100	11772.050.001	M10	50	11772.100.001
M3	100	11772.030.001	M6	100	11772.060.001			
M4	100	11772.040.001	M8	50	11772.080.001			

Round connection nut



Technical data

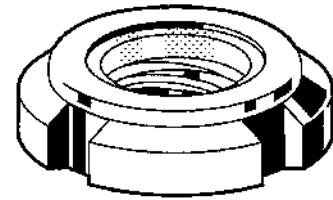
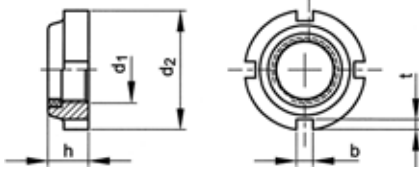
d	P	b
M5	0,8	8
M6	1	10
M8	1,25	11
M10	1,5	13
M12	1,75	15

- These connection nuts are used among others for connection of threaded rods.

11401 Round connection nut		F01C
Thread	Metric thread	
Material	Free-cutting steel	
Surface treatment	Zinc plated	
Packaging	Standard	

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X20	100	11401.050.020	M8X40	100	11401.080.040	M12X20	50	11401.120.020
M6X20	100	11401.060.020	M10X20	100	11401.100.020	M12X30	50	11401.120.030
M6X30	100	11401.060.030	M10X30	100	11401.100.030	M12X40	50	11401.120.040
M8X20	100	11401.080.020	M10X40	100	11401.100.040			
M8X30	100	11401.080.030						

Prevailing torque type slotted round nut with non-metallic insert type GUK



Technical data

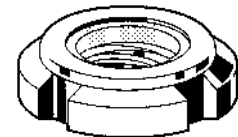
d1	d2	b	h	t	Number of slots
M10	18	3	7,4	2	4
M12	22	3	7,4	2	4
M15	25	4	8,4	2	4
M17	28	4	8,4	2	4
M20	32	4	9,4	2,5	4
M25	38	5	10,3	2,5	4
M30	44	5	10,9	3	4
M35	50	5	11,1	3	4
M40	56	6	12,1	3	4
M45	62	6	12,1	3,5	4
M50	68	6	12,7	3,5	4
M55	75	7	13,2	3,5	6
M60	80	7	13,2	3,5	6
M65	85	7	14,3	3,5	6
M70	92	8	14,3	4	6
M75	98	8	15,3	4	6
M80	105	10	16,3	4	8
M85	110	10	17,3	4	8
M90	120	10	17,5	5	8
M95	125	10	18,5	5	8
M100	130	10	19,5	5	8

3

11790 Prevailing torque type slotted round nut with non-metallic insert type GUK

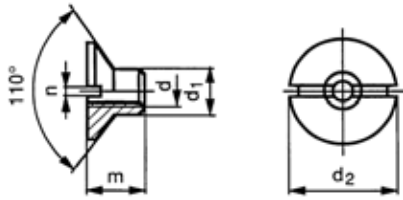
F01X

Thread	Metric fine thread
Material	Steel
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d1 x P	☒	Art.number	d1 x P	☒	Art.number	d1 x P	☒	Art.number
M10X0,75	10	11790.100.075	M35X1,50	5	11790.350.150	M70X2,00	1	11790.700.200
M12X1,00	10	11790.120.100	M40X1,50	5	11790.400.150	M75X2,00	1	11790.750.200
M15X1,00	10	11790.150.100	M45X1,50	2	11790.450.150	M80X2,00	1	11790.800.200
M17X1,00	10	11790.170.100	M50X1,50	2	11790.500.150	M85X2,00	1	11790.850.200
M20X1,00	10	11790.200.100	M55X2,00	1	11790.550.200	M90X2,00	1	11790.900.200
M25X1,50	5	11790.250.150	M60X2,00	1	11790.600.200	M95X2,00	1	11790.950.200
M30X1,50	5	11790.300.150	M65X2,00	1	11790.650.200	M100X2,00	1	11790.982.200

Slotted countersunk (110°) nut



Technical data

d	P	d ₁	d ₂	m	n
M3	0,5	4	10	6	1
M4	0,7	5	12	6	1
M5	0,8	6	14	7	2
M6	1	7	16	8	2
M8	1,25	9	20	10	2
M10	1,5	12	24	12	2,5

- Slotted countersunk nuts are used among others in wood connections, where the outside has to be flat.

11560 Slotted countersunk (110°) nut

F01X

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	250	11560.030.010	M5	250	11560.050.014	M8	250	11560.080.020
M4	250	11560.040.012	M6	250	11560.060.016	M10	250	11560.100.024

FABORY Blind rivet nuts and bolts

FABORY's blind rivet nut and bolt range is an expert range of more than 14 different series of blind rivet nuts and bolts. It offers a wide variety of sizes, alloys, head and body types, all from stock.



Sizes: M3 up to M12
 Alloys: aluminium, steel, stainless steel (A2)
 Head types: cylindrical, countersunk, reduced countersunk
 Body types: round, hexagonal, open and closed end

The diameters of the blind rivet nuts have been adapted to the use of standard drill diameters. The blind riveting bolt provides an external thread connection and is available in 4 different thread sizes with 4 different lengths each, serving an 8.8 strength class.

Advantages

- Can be set in thin material easily.
- The time consuming tapping of a thread or welding of a blind rivet nut is no longer required.
- Blind rivet nuts have the same properties as a tapped thread in solid material, because of the strong 'flush flange' that remains after deformation of the rivet nuts.
- Can be set from one side when the rear of the material and the inside of the object are inaccessible.
- The material will not be damaged.
- Will not deform or cause discolouration of the material.

FABORY hand tools for blind rivet nuts and bolts

The FABORY range of hand tools for blind rivet nuts and bolts, offers you one of the widest and most innovative ranges of professional riveting tools in the market.

All the FABORY blind insert hand tools are equipped with a (patented) quick release mandrel system enabling you to exchange mandrels with your bare hands without using additional spanners.

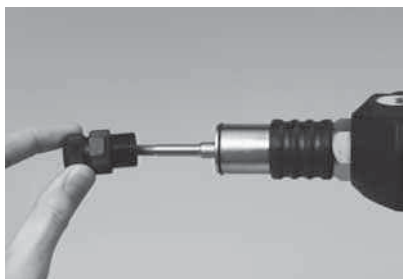
All tools are supplied in representative packaging with full sets of mandrels/adaptors and anvils.

FABORY's hand tools for blind rivet nuts and bolts are distinctive in a number of relevant areas

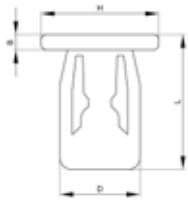
- Wide choice
- High professional quality
- Competitive price levels
- Continuous product development and innovations
- Complete supply of tools with full set of conversion kits and stroke regulation devices
- Quick-release system

Quick-release mandrel system for blind rivet nut and bolt tools

1. Release the nosepiece and contra nut
2. Move protective sleeve forwards
3. Hold security part backwards and unscrew mandrel/adaptor



Jacknut

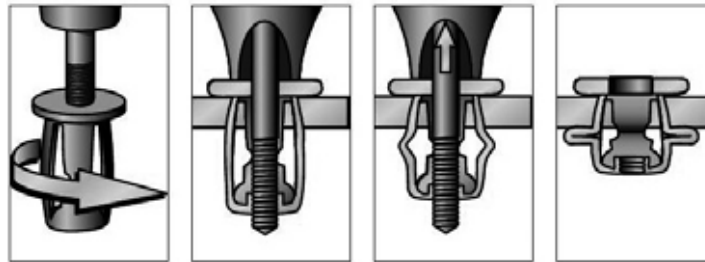


Technical data

Type	4SJN	6SJN	8SJN
For nom. size	M4	M5	M6
Hole $\varnothing \approx$	8,25	9,95	11,25
Material thickness (min.)	0,4	0,4	0,4
Material thickness (max.)	4,8	4,8	4,8
D	7,8	9,7	11,1
H	11,9	13,5	15,9
B	1,9	1,9	1,9
L	16,6	18,2	18,6
Assembly data			
Tightening torque in Nm	1,3	2,2	3,4
Pull-out force in kN	1,4	2,8	4,7

- Assembly data: values valid for 1,5mm steel plate

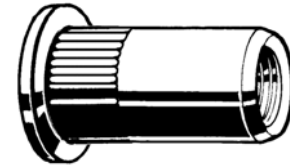
Assembly sequence



65411 Jacknut		N61B
Thread	Metric thread	
Material	Steel	
Surface treatment	Zinc plated	
Packaging	Standard	

Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4SJN	100	65411.040.015	6SJN	100	65411.050.017	8SJN	100	65411.060.018

Blind rivet nuts cylindrical Stainless steel open serrated shank



Technical data

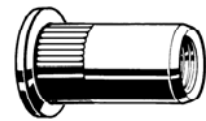
Type	$\varnothing d$	l [+0,5/-0]	Grip range	Drill \varnothing	$\varnothing d_k$	k	$\varnothing d$ [+0/-0,2]
4 OCH 30	M4	11,0	0,5-3,0	6,0	9,0	$\leq 1,1$	5,9
4 OCH 55	M4	14,0	3,0-5,5	6,0	9,0	$\leq 1,1$	5,9
5 OCH 30	M5	13,0	0,5-3,0	7,0	10,0	$\leq 1,1$	6,9
5 OCH 55	M5	16,0	3,0-8,0	7,0	10,0	$\leq 1,1$	6,9
5 OCH 80	M5	19,0	5,5-8,0	7,0	10,0	$\leq 1,1$	6,9
6 OCH 30	M6	16,0	0,5-3,0	9,0	12,0	$\leq 1,6$	8,9
6 OCH 55	M6	18,5	3,0-5,5	9,0	12,0	$\leq 1,6$	8,9
8 OCH 30	M8	17,5	0,5-3,0	11,0	15,0	$\leq 1,6$	10,9
8 OCH 55	M8	20,0	3,0-5,5	11,0	15,0	$\leq 1,6$	10,9
10 OCH 30	M10	19,0	0,5-3,0	13,0	16,0	$\leq 2,1$	12,9
10 OCH 60	M10	24,0	3,0-6,0	13,0	16,0	$\leq 2,1$	12,9

3

69025 Blind rivet nuts cylindrical Stainless steel open serrated shank

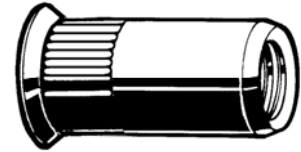
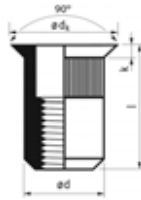
F07A

Material Stainless steel A2
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCH 30	250	69025.040.030	6 OCH 30	250	69025.060.030	10 OCH 30	250	69025.100.030
5 OCH 30	250	69025.050.030	6 OCH 55	250	69025.060.055	10 OCH 60	250	69025.100.060
5 OCH 55	250	69025.050.055	8 OCH 30	250	69025.080.030			
5 OCH 80	250	69025.050.080	8 OCH 55	250	69025.080.055			

Blind rivet nuts countersunk open Stainless steel serrated shank



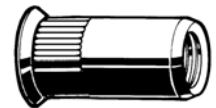
Technical data

Type	4 OCSH 40	5 OCSH 40	6 OCSH 40	8 OCSH 40	10 OCSH 45
ø d	M4	M5	M6	M8	M10
l [+0,5/-0]	12,5	13,5	15,5	18,5	21,0
Grip range	1,5-4,0	1,5-4,0	1,5-4,0	1,5-4,0	2,0-4,5
Drill ø	6,0	7,0	9,0	11,0	13,0
ø d _k	8,5	9,5	11,5	13,5	15,5
k	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,8
ø d [+0/-0,2]	5,9	6,9	8,9	10,9	12,9

69045 Blind rivet nuts countersunk open Stainless steel serrated shank

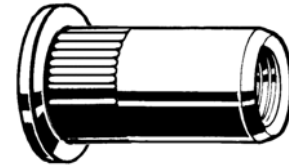
F07A

Material Stainless steel A2
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCSH 40	250	69045.040.040	6 OCSH 40	250	69045.060.040	10 OCSH 45	250	69045.100.045
5 OCSH 40	250	69045.050.040	8 OCSH 40	250	69045.080.040			

Blind rivet nuts cylindrical Steel zinc open serrated shank



Technical data

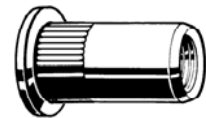
Type	$\varnothing d$	l [+0,5/-0]	Grip range	Drill \varnothing	$\varnothing d_k$	k	$\varnothing d$ [+0/-0,2]
3 OCH 30	M3	10,5	0,5-3,0	5,0	7,0	$\leq 0,9$	4,9
3 OCH 55	M3	13,0	3,0-5,5	5,0	7,0	$\leq 0,9$	4,9
4 OCH 30	M4	11,0	0,5-3,0	6,0	9,0	$\leq 1,1$	5,9
4 OCH 55	M4	14,0	3,0-5,5	6,0	9,0	$\leq 1,1$	5,9
5 OCH 30	M5	13,0	0,5-3,0	7,0	10,0	$\leq 1,1$	6,9
5 OCH 55	M5	16,0	3,0-5,5	7,0	10,0	$\leq 1,1$	6,9
5 OCH 80	M5	149,0	5,5-8,0	7,0	10,0	$\leq 1,1$	6,9
6 OCH 30	M6	16,0	0,5-3,0	9,0	12,0	$\leq 1,6$	8,9
6 OCH 55	M6	18,5	3,0-5,5	9,0	12,0	$\leq 1,6$	8,9
6 OCH 80	M6	21,0	5,5-8,0	9,0	12,0	$\leq 1,6$	8,9
8 OCH 30	M8	17,5	0,5-3,0	11,0	15,0	$\leq 1,6$	10,9
8 OCH 55	M8	20,0	3,0-5,5	11,0	15,0	$\leq 1,6$	10,9
8 OCH 80	M8	22,5	5,5-9,0	11,0	15,0	$\leq 1,6$	10,9
8 OCH 105	M8	25,0	8,0-10,5	11,0	15,0	$\leq 1,6$	10,9
10 OCH 30	M10	19,0	0,5-3,0	12,0	16,0	$\leq 2,1$	11,9
10 OCH 60	M10	24,0	3,0-6,0	12,0	16,0	$\leq 2,1$	11,9
10 OCH 90	M10	27,0	6,0-9,0	12,0	16,0	$\leq 2,1$	11,9
10 OCH 120	M10	30,0	9,0-12,0	12,0	16,0	$\leq 2,1$	11,9
12 OCH 40	M12	25,0	1,0-4,0	16,0	22,0	$\leq 2,1$	15,9
12 OCH 70	M12	28,0	4,0-7,0	16,0	22,0	$\leq 2,1$	15,9
12 OCH 100	M12	31,0	7,0-10,0	16,0	22,0	$\leq 2,1$	15,9

3

69135 Blind rivet nuts cylindrical Steel zinc open serrated shank

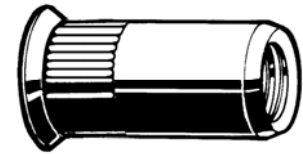
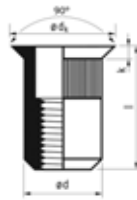
F07A

Material Steel
 Surface treatment Zinc plated
 Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCH 30	250	69135.040.030	6 OCH 80	250	69135.060.080	10 OCH 90	100	69135.100.090
4 OCH 55	250	69135.040.055	8 OCH 30	250	69135.080.030	10 OCH 120	100	69135.100.120
5 OCH 30	250	69135.050.030	8 OCH 55	250	69135.080.055	12 OCH 40	100	69135.120.040
5 OCH 55	250	69135.050.055	8 OCH 80	250	69135.080.080	12 OCH 70	100	69135.120.070
5 OCH 80	250	69135.050.080	8 OCH 105	250	69135.080.105	12 OCH 100	100	69135.120.100
6 OCH 30	250	69135.060.030	10 OCH 30	250	69135.100.030			
6 OCH 55	250	69135.060.055	10 OCH 60	250	69135.100.060			

Blind rivet nuts countersunk open Steel zinc serrated shank



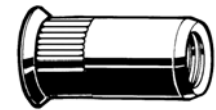
Technical data

Type	ø d	l [+0,5/-0]	Grip range	Drill ø	ø d _k	k	ø d [+0/-0,2]
3 OCSH 40	M3	11,5	1,5-4,0	5,0	7,5	≤ 1,5	4,9
3 OCSH 65	M3	14,0	4,0-6,5	5,5	7,5	≤ 1,5	4,9
4 OCSH 40	M4	12,5	1,5-4,0	6,0	8,5	≤ 1,5	5,9
4 OCSH 65	M4	15,0	4,0-6,5	6,0	8,5	≤ 1,5	5,9
5 OCSH 40	M5	13,5	1,5-4,0	7,0	9,5	≤ 1,5	6,9
5 OCSH 65	M5	16,0	4,0-6,5	7,0	9,5	≤ 1,5	6,9
5 OCSH 90	M5	18,5	6,5-9,0	7,0	9,5	≤ 1,5	6,9
6 OCSH 40	M6	15,5	1,4-4,0	9,0	11,5	≤ 1,5	8,9
6 OCSH 65	M6	18,0	4,0-6,5	9,0	11,5	≤ 1,5	8,9
6 OCSH 90	M6	20,5	6,5-9,0	9,0	11,5	≤ 1,5	8,9
8 OCSH 40	M8	18,5	1,5-4,0	11,0	13,5	≤ 1,5	10,9
8 OCSH 65	M8	21,0	4,0-6,5	11,0	13,5	≤ 1,5	10,9
8 OCSH 90	M8	233,5	6,5-9,0	11,0	13,5	≤ 1,5	10,9
10 OCSH 45	M10	21,0	2,0-4,5	12,0	14,5	≤ 1,7	11,9
10 OCSH 75	M10	24,0	4,5-7,5	12,0	14,5	≤ 1,7	11,9
10 OCSH 105	M10	27,0	7,5-10,5	12,0	14,5	≤ 1,7	11,9
12 OCSH 45	M12	24,5	2,0-4,5	16,0	19,0	≤ 1,9	15,9
12 OCSH 75	M12	27,5	4,5-7,5	16,0	19,0	≤ 1,9	15,9
12 OCSH 105	M12	31,0	7,5-10,5	16,0	19,0	≤ 1,9	15,9

69155 Blind rivet nuts countersunk open Steel zinc serrated shank

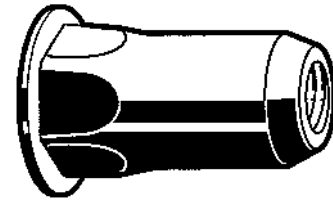
F07A

Material Steel
 Surface treatment Zinc plated
 Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCSH 40	250	69155.040.040	6 OCSH 65	250	69155.060.065	10 OCSH 75	250	69155.100.075
4 OCSH 65	250	69155.040.065	6 OCSH 90	250	69155.060.090	10 OCSH 105	100	69155.100.105
5 OCSH 40	250	69155.050.040	8 OCSH 40	250	69155.080.040	12 OCSH 45	100	69155.120.045
5 OCSH 65	250	69155.050.065	8 OCSH 65	250	69155.080.065	12 OCSH 75	100	69155.120.075
5 OCSH 90	250	69155.050.090	8 OCSH 90	250	69155.080.090	12 OCSH 105	100	69155.120.105
6 OCSH 40	250	69155.060.040	10 OCSH 45	250	69155.100.045			

Blind rivet nuts cylindrical Steel zinc open hexagon shank



Technical data

Type	4 OCH 20	5 OCH 30	6 OCH 30	8 OCH 35	10 OCH 35
ϕd	M4	M5	M6	M8	M10
L	10,5	13,0	16,0	17,0	23,0
Grip range	0,3-2,0	0,7-3,0	0,5-3,0	0,5-3,5	0,8-3,5
Hole hexagon	6,0	7,0	9,0	11,0	13,0
ϕd_k	9,0	10,0	13,0	16,0	19,0
k	$\leq 0,8$	$\leq 1,0$	$\leq 1,5$	$\leq 1,5$	$\leq 2,0$
W.a.f. (s)	5,9	6,9	8,9	10,9	12,9

3

69170 Blind rivet nuts cylindrical Steel zinc open hexagon shank

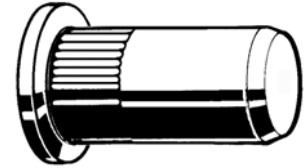
F07A

Material Steel
Surface treatment Zinc plated
Packaging Standard



Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
4 OCH 20	250	69170.040.020	6 OCH 30	250	69170.060.030	10 OCH 35	250	69170.100.035
5 OCH 30	250	69170.050.030	8 OCH 35	250	69170.080.035			

Blind rivet nuts cylindrical Steel zinc serrated shank



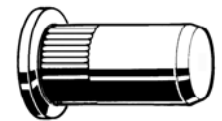
Technical data

Type	$\varnothing d$	l [+0,5/-0]	Grip range	Drill \varnothing	$\varnothing d_k$	k	$\varnothing d$ [+0/-0,2]
3 CCH 30	M3	15,0	0,5-3,0	5,0	7,0	$\leq 0,9$	4,9
3 CCH 55	M3	17,5	3,0-5,5	5,0	7,0	$\leq 0,9$	4,9
4 CCH 30	M4	16,0	0,5-3,0	6,0	9,0	$\leq 1,1$	5,9
4 CCH 55	M4	19,0	3,0-5,5	6,0	9,0	$\leq 1,1$	5,9
5 CCH 30	M5	18,5	0,5-3,0	7,0	10,0	$\leq 1,1$	6,9
5 CCH 55	m5	21,5	3,0-5,5	7,0	10,0	$\leq 1,1$	6,9
5 CCH 80	M5	24,5	5,5-8,0	7,0	10,0	$\leq 1,1$	6,9
6 CCH 30	M6	21,5	0,5-3,0	9,0	12,0	$\leq 1,6$	8,9
6 CCH 55	M6	24,0	3,0-5,5	9,0	12,0	$\leq 1,6$	8,9
6 CCH 80	M6	26,5	5,5-8,0	9,0	12,0	$\leq 1,6$	8,9
8 CCH 30	M8	26,0	0,5-3,0	11,0	15,0	$\leq 1,6$	10,9
8 CCH 55	M8	28,5	3,0-5,5	11,0	15,0	$\leq 1,6$	10,9
8 CCH 80	M8	31,0	5,5-8,0	11,0	15,0	$\leq 1,6$	10,9
8 CCH 105	M8	33,5	8,0-10,5	11,0	15,0	$\leq 1,6$	10,9
10 CCH 30	M10	28,0	0,5-3,0	12,0	16,0	$\leq 2,1$	11,9
10 CCH 60	M10	33,0	3,0-6,0	12,0	16,0	$\leq 2,1$	11,9
10 CCH 90	M10	36,0	6,0-9,0	12,0	16,0	$\leq 2,1$	11,9
10 CCH 120	M10	39,0	9,0-12,0	12,0	16,0	$\leq 2,1$	11,9

69190 Blind rivet nuts cylindrical Steel zinc serrated shank

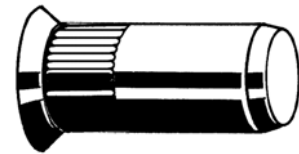
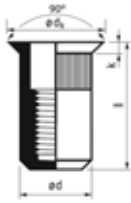
F07A

Material Steel
Surface treatment Zinc plated
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 CCH 30	250	69190.040.030	6 CCH 55	250	69190.060.055	10 CCH 30	250	69190.100.030
4 CCH 55	250	69190.040.055	6 CCH 80	250	69190.060.080	10 CCH 60	250	69190.100.060
5 CCH 30	250	69190.050.030	8 CCH 30	250	69190.080.030	10 CCH 90	100	69190.100.090
5 CCH 55	250	69190.050.055	8 CCH 55	250	69190.080.055	10 CCH 120	100	69190.100.120
5 CCH 80	250	69190.050.080	8 CCH 80	250	69190.080.080			
6 CCH 30	250	69190.060.030	8 CCH 105	250	69190.080.105			

Blind rivet nuts countersunk Steel zinc serrated shank



Technical data

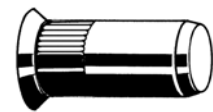
Type	ø d	l [+0,5/-0]	Grip range	Drill ø	ø d _k	k	ø d [+0/-0,2]
3 CCSH 40	M3	16,0	1,5-4,0	5,0	7,5	≤ 1,5	4,9
3 CCSH 65	M3	18,5	4,0-6,5	5,0	7,5	≤ 1,5	4,9
4 CCSH 40	M4	17,5	1,5-4,0	6,0	8,5	≤ 1,5	5,9
4 CCSH 65	M4	20,0	4,0-6,5	6,0	8,5	≤ 1,5	5,9
5 CCSH 40	M5	20,0	1,5-4,0	7,0	9,5	≤ 1,5	6,9
5 CCSH 65	M5	22,5	4,0-6,5	7,0	9,5	≤ 1,5	6,9
5 CCSH 90	M5	25,0	6,5-9,0	7,0	9,5	≤ 1,5	6,9
6 CCSH 40	M6	23,0	1,5-4,0	8,0	11,5	≤ 1,5	8,9
6 CCSH 65	M6	25,5	4,0-6,5	8,0	11,5	≤ 1,5	8,9
6 CCSH 90	M6	28,0	6,5-9,0	8,0	11,5	≤ 1,5	8,9
8 CCSH 40	M8	27,0	1,5-4,0	11,0	13,5	≤ 1,5	10,9
8 CCSH 65	M8	29,5	4,0-6,5	11,0	13,5	≤ 1,5	10,9
8 CCSH 90	M8	32,0	6,5-9,0	11,0	13,5	≤ 1,5	10,9
10 CCSH 45	M10	30,0	2,0-4,5	12,0	14,5	≤ 1,7	11,9
10 CCSH 75	M10	33,0	4,5-7,5	12,0	14,5	≤ 1,7	11,9
10 CCSH 105	M10	36,0	7,5-10,5	12,0	14,5	≤ 1,7	11,9
12 CCSH 45	M12	34,5	2,0-4,5	16,0	19,0	≤ 1,9	15,9
12 CCSH 75	M12	37,5	4,5-7,5	16,0	19,0	≤ 1,9	15,9
12 CCSH 110	M12	41,0	7,5-11,0	16,0	19,0	≤ 1,9	15,9

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69195 Blind rivet nuts countersunk Steel zinc serrated shank

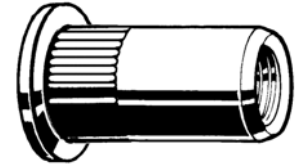
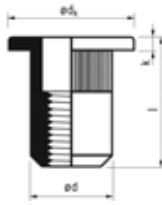
F07A

Material Steel
 Surface treatment Zinc plated
 Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 CCSH 40	250	69195.040.040	6 CCSH 65	250	69195.060.065	10 CCSH 75	250	69195.100.075
4 CCSH 65	250	69195.040.065	6 CCSH 90	250	69195.060.090	10 CCSH 105	100	69195.100.105
5 CCSH 40	250	69195.050.040	8 CCSH 40	250	69195.080.040	12 CCSH 45	100	69195.120.045
5 CCSH 65	250	69195.050.065	8 CCSH 65	250	69195.080.065	12 CCSH 75	100	69195.120.075
5 CCSH 90	250	69195.050.090	8 CCSH 90	250	69195.080.090	12 CCSH 110	100	69195.120.110
6 CCSH 40	250	69195.060.040	10 CCSH 45	250	69195.100.045			

Blind rivet nuts cylindrical aluminium open serrated shank



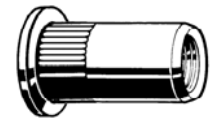
Technical data

Type	ø d	l [+0,5/-0]	Grip range	Drill ø	ø d _k	k	ø d [+0/-0,2]
3 OCH 30	M3	10,5	0,5-3,0	5,0	7,0	≤ 0,9	4,9
3 OCH 55	M3	13,0	3,0-5,5	5,0	7,0	≤ 0,9	4,9
4 OCH 30	M4	11,0	0,5-3,0	6,0	9,0	≤ 1,1	5,9
4 OCH 55	M4	14,0	3,0-5,5	6,0	9,0	≤ 1,1	5,9
5 OCH 30	M5	13,0	0,5-3,0	7,0	10,0	≤ 1,1	6,9
5 OCH 55	M5	16,0	3,0-5,5	7,0	10,0	≤ 1,1	6,9
5 OCH 80	M5	19,0	5,5-8,0	7,0	10,0	≤ 1,1	6,9
6 OCH 30	M6	16,0	0,5-3,0	9,0	12,0	≤ 1,6	8,9
6 OCH 55	M6	18,5	3,0-5,5	9,0	12,0	≤ 1,6	8,9
6 OCH 80	M6	21,0	5,5-8,0	9,0	12,0	≤ 1,6	8,9
8 OCH 30	M8	17,5	0,5-3,0	11,0	15,0	≤ 1,6	10,9
8 OCH 55	M8	20,0	3,0-5,5	11,0	15,0	≤ 1,6	10,9
8 OCH 80	M8	22,5	5,5-8,0	11,0	15,0	≤ 1,6	10,9
8 OCH 105	M8	25,0	8,0-10,5	11,0	15,0	≤ 1,6	10,9
10 OCH 30	M10	19,0	0,5-3,0	12,0	16,0	≤ 2,1	11,9
10 OCH 60	M10	24,0	3,0-6,0	12,0	16,0	≤ 2,1	11,9
10 OCH 90	M10	27,0	6,0-9,0	12,0	16,0	≤ 2,1	11,9
10 OCH 120	M10	30,0	9,0-12,0	12,0	16,0	≤ 2,1	11,9
12 OCH 40	M12	25,0	1,0-4,0	16,0	22,0	≤ 2,1	15,9
12 OCH 70	M12	28,0	4,0-7,0	16,0	22,0	≤ 2,1	15,9
12 OCH 100	M12	31,0	7,0-10,0	16,0	22,0	≤ 2,1	15,9

69315 Blind rivet nuts cylindrical aluminium open serrated shank

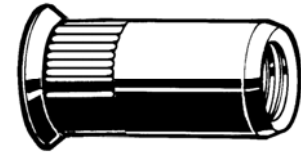
F07A

Material Aluminium
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCH 30	250	69315.040.030	6 OCH 80	250	69315.060.080	10 OCH 60	250	69315.100.060
5 OCH 30	250	69315.050.030	8 OCH 30	250	69315.080.030	10 OCH 90	100	69315.100.090
5 OCH 55	250	69315.050.055	8 OCH 55	250	69315.080.055	10 OCH 120	100	69315.100.120
5 OCH 80	250	69315.050.080	8 OCH 80	250	69315.080.080	12 OCH 40	100	69315.120.040
6 OCH 30	250	69315.060.030	8 OCH 105	250	69315.080.105	12 OCH 70	100	69315.120.070
6 OCH 55	250	69315.060.055	10 OCH 30	250	69315.100.030	12 OCH 100	100	69315.120.100

Blind rivet nuts countersunk open aluminium serrated shank



Technical data

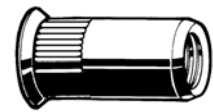
Type	$\varnothing d$	l [+0,5/-0]	Grip range	Drill \varnothing	$\varnothing d_k$	k	$\varnothing d$ [+0/-0,2]
3 OCSH 40	M3	11,5	1,5-4,0	5,0	7,5	$\leq 1,5$	4,9
3 OCSH 65	M3	14,0	4,0-6,5	5,0	7,5	$\leq 1,5$	4,9
4 OCSH 40	M4	12,5	1,5-4,0	6,0	8,5	$\leq 1,5$	5,9
4 OCSH 65	M4	15,0	4,0-6,5	6,0	8,5	$\leq 1,5$	5,9
5 OCSH 40	M5	13,5	1,5-4,0	7,0	9,5	$\leq 1,5$	6,9
5 OCSH 65	M5	16,0	4,0-6,5	7,0	$\leq 1,5$	6,9	-
5 OCSH 90	M5	18,5	6,5-9,0	7,0	9,5	$\leq 1,5$	6,9
6 OCSH 40	M6	15,5	1,5-4,0	9,0	11,5	$\leq 1,5$	8,9
6 OCSH 65	M6	18,0	4,0-6,5	9,0	11,5	$\leq 1,5$	8,9
6 OCSH 90	M6	20,5	6,5-9,0	9,0	11,5	$\leq 1,5$	8,9
8 OCSH 40	M8	18,5	1,5-4,0	11,0	13,5	$\leq 1,5$	10,9
8 OCSH 65	M8	21,0	4,0-6,5	11,0	13,5	$\leq 1,5$	10,9
8 OCSH 90	M8	23,5	6,5-9,0	11,0	13,5	$\leq 1,5$	10,9
10 OCSH 45	M10	21,0	2,0-4,5	12,0	14,5	$\leq 1,7$	11,9
10 OCSH 75	M10	24,0	4,5-7,5	12,0	14,5	$\leq 1,7$	11,9
10 OCSH 105	M10	27,0	7,5-10,5	12,0	14,5	$\leq 1,7$	11,9
12 OCSH 45	M12	24,5	2,0-4,5	16,0	19,0	$\leq 1,9$	15,9
12 OCSH 75	M12	27,5	4,5-7,5	16,0	19,0	$\leq 1,9$	15,9
12 OCSH 105	M12	31,0	7,5-10,5	16,0	19,0	$\leq 1,9$	15,9

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69335 Blind rivet nuts countersunk open aluminium serrated shank

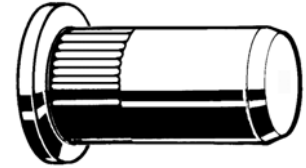
F07A

Material Aluminium
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 OCSH 40	250	69335.040.040	6 OCSH 90	250	69335.060.090	10 OCSH 105	100	69335.100.105
5 OCSH 40	250	69335.050.040	8 OCSH 40	250	69335.080.040	12 OCSH 45	100	69335.120.045
5 OCSH 65	250	69335.050.065	8 OCSH 65	250	69335.080.065	12 OCSH 75	100	69335.120.075
5 OCSH 90	250	69335.050.090	8 OCSH 90	250	69335.080.090	12 OCSH 105	100	69335.120.105
6 OCSH 40	250	69335.060.040	10 OCSH 45	250	69335.100.045			
6 OCSH 65	250	69335.060.065	10 OCSH 75	250	69335.100.075			

Blind rivet nuts cylindrical aluminium serrated shank



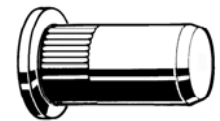
Technical data

Type	ø d	l [+0,5/-0]	Grip range	Drill ø	ø d _k	k	ø d [+0/-0,2]
3 CCH 30	M3	15,0	0,5-3,0	5,0	7,0	≤ 0,9	4,9
3 CCH 55	M3	17,5	3,0-5,5	5,0	7,0	≤ 0,9	4,9
4 CCH 30	M4	16,0	0,5-3,0	6,0	9,0	≤ 1,1	5,9
4 CCH 55	M4	19,0	3,0-5,5	6,0	9,0	≤ 1,1	5,9
5 CCH 30	M5	18,5	0,5-3,0	7,0	10,0	≤ 1,1	6,9
5 CCH 55	M5	21,5	3,0-5,5	7,0	10,0	≤ 1,1	6,9
5 CCH 80	M5	24,5	5,5-8,0	7,0	10,0	≤ 1,1	6,9
6 CCH 30	M6	21,5	0,5-3,0	9,0	12,0	≤ 1,6	8,9
6 CCH 55	M6	24,0	3,0-5,5	9,0	12,0	≤ 1,6	8,9
6 CCH 80	M6	26,5	5,5-8,0	9,0	12,0	≤ 1,6	8,9
8 CCH 30	M8	26,0	0,5-3,0	11,0	15,0	≤ 1,6	10,9
8 CCH 55	M8	28,5	3,0-5,5	11,0	15,0	≤ 1,6	10,9
8 CCH 80	M8	31,0	5,5-8,0	11,0	15,0	≤ 1,6	10,9
8 CCH 105	M8	33,5	8,0-10,5	11,0	15,0	≤ 1,6	10,9
10 CCH 30	M10	28,0	0,5-3,0	12,0	16,0	≤ 2,1	11,9
10 CCH 60	M10	33,0	3,0-6,0	12,0	16,0	≤ 2,1	11,9
10 CCH 90	M10	36,0	6,0-9,0	12,0	16,0	≤ 2,1	11,9
10 CCH 120	M10	39,0	9,0-10,5	12,0	16,0	≤ 2,1	11,9

69355 Blind rivet nuts cylindrical aluminium serrated shank

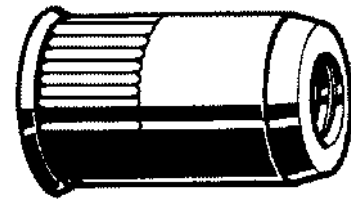
F07A

Material Aluminium
Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 CCH 30	250	69355.040.030	6 CCH 55	250	69355.060.055	8 CCH 105	250	69355.080.105
5 CCH 30	250	69355.050.030	6 CCH 80	250	69355.060.080	10 CCH 30	250	69355.100.030
5 CCH 55	250	69355.050.055	8 CCH 30	250	69355.080.030	10 CCH 60	250	69355.100.060
5 CCH 80	250	69355.050.080	8 CCH 55	250	69355.080.055	10 CCH 90	100	69355.100.090
6 CCH 30	250	69355.060.030	8 CCH 80	250	69355.080.080	10 CCH 120	100	69355.100.120

Blind rivet nuts reduced countersunk open Steel zinc serrated shank



Technical data

Type	3 ORCSH 30	4 ORCSH 30	5 ORCSH 30	6 ORCSH 30	8 ORCSH 30	10 ORCSH 35
ø d	M3	M4	M5	M6	M8	M10
l [+0,5/-0]	9,5	10,0	11,5	14,0	15,0	19,5
Grip range	0,5-3,0	0,5-3,0	0,5-3,0	0,5-3,0	0,5-3,0	0,8-3,5
Drill ø	5,0	6,0	7,0	9,0	11,0	12,0
ø d _k	6,0	7,0	8,0	10,0	12,0	13,5
k	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,9
ø d [+0/-0,2]	4,9	5,9	6,9	8,9	10,9	11,9

3

69435 Blind rivet nuts reduced countersunk open Steel zinc serrated shank

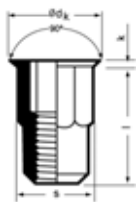
F07A

Material Steel
Surface treatment Zinc plated
Packaging Standard



Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
4 ORCSH 30	250	69435.040.030	6 ORCSH 30	250	69435.060.030	10 ORCSH 35	250	69435.100.035
5 ORCSH 30	250	69435.050.030	8 ORCSH 30	250	69435.080.030			

Blind rivet nuts reduced countersunk open Stainless steel hexagon shank



Technical data

Type	4 ORCSH 30	5 ORCSH 30	6 ORCSH 30	8 ORCSH 30	10 ORCSH 35
ø d	M4	M5	M6	M8	M10
l [+0,5/-0]	12,5	14,0	16,0	17,0	20,5
Grip range	0,5-3,0	0,5-3,0	0,5-3,0	0,5-3,0	0,8-6,5
Hole hexagon	6,1	7,1	9,1	11,1	13,1
ø d _k	7,0	8,0	10,0	12,0	14,5
k	≤ 0,9	≤ 0,9	≤ 0,9	≤ 0,9	≤ 1,1
W.a.f. (s)	6,0	7,0	9,0	11,0	13,0

69440 Blind rivet nuts reduced countersunk open Stainless steel hexagon shank

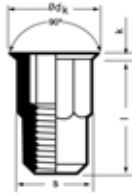
F07A

Material Stainless steel A2
Packaging Standard



Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
4 ORCSH 30	250	69440.040.030	6 ORCSH30	250	69440.060.030	10 ORCSH 35	250	69440.100.035
5 ORCSH 30	250	69440.050.030	8 ORCSH 30	250	69440.080.030			

Blind rivet nuts reduced countersunk open Steel zinc hexagon shank



Technical data

Type	3 ORCSH 30	4 ORCSH 30	5 ORCSH 30	6 ORCSH 30	8 ORCSH 30	10 ORCSH 35
ø d	M3	M4	M5	M6	M8	M10
l [+0,5/-0]	10,5	12,5	14,0	16,0	17,0	20,5
Grip range	0,5-3,0	0,5-3,0	0,5-3,0	0,5-3,0	0,5-3,0	0,8-3,5
Hole hexagon	5,1	6,1	7,1	9,1	11,1	13,1
ø d _k	6,5	7,0	8,0	10,0	12,0	14,5
k	≤ 0,8	≤ 0,8	≤ 0,8	≤ 0,8	≤ 0,8	≤ 0,8
W.a.f. (s)	5,0	6,0	7,0	9,0	11,0	13,0

69450 Blind rivet nuts reduced countersunk open Steel zinc hexagon shank

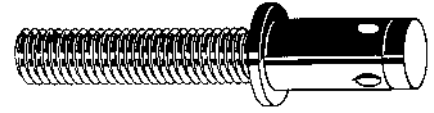
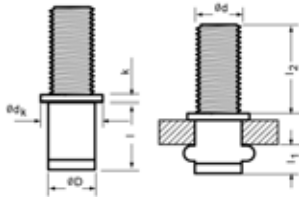
F07A

Material Steel
 Surface treatment Zinc plated
 Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
4 ORCSH 30	250	69450.040.030	6 ORCSH 30	250	69450.060.030	10 ORCSH 35	250	69450.100.035
5 ORCSH 30	250	69450.050.030	8 ORCSH 30	250	69450.080.030			

Blind rivet screw cylindrical Steel zinc



Technical data

Type	Grip range	Drill \varnothing	$\varnothing d_k$	k	$\varnothing d$	L_1	L_2	I [+/-0,5]
M4X2010	0,5-2,0	5,5	8,0	0,5	5,4	3,5	10	8,0
M4X2015	0,5-2,0	5,5	8,0	0,5	5,4	3,5	15	8,0
M4X3010	2,0-3,0	5,5	8,0	0,5	5,4	4,0	10	8,0
M4X3015	2,0-3,0	5,5	8,0	0,5	5,4	4,0	15	8,0
M5X2010	0,5-2,0	6,6	9,0	0,8	6,5	4,5	10	9,0
M5X2015	0,5-2,0	6,6	9,0	0,8	6,5	4,5	15	9,0
M5X3510	2,0-3,5	6,6	9,0	0,8	6,5	4,5	10	10,5
M5X3515	2,0-3,5	6,6	9,0	0,8	6,5	4,5	15	10,5
M6X2510	0,5-2,5	7,8	10,0	1,0	7,7	5,0	10	10,0
M6X2515	0,5-2,5	7,8	10,0	1,0	7,7	5,0	15	10,0
M6X4010	2,5-4,0	7,8	10,0	1,0	7,7	5,5	10	11,5
M6X4015	2,5-4,0	7,8	10,0	1,0	7,7	5,0	15	11,5
M8X3020	1,0-3,0	9,9	12,0	1,5	9,8	7,0	15	12,5
M8X3515	1,0-3,0	9,9	12,0	1,5	9,8	7,0	20	12,5
M8X5015	3,0-5,0	9,9	12,0	1,5	9,8	7,0	15	15,0
M8X5020	3,0-5,0	9,9	12,0	1,5	9,8	7,0	20	15,0

3

69975 Blind rivet screw cylindrical Steel zinc

F09A

Material Steel
 Surface treatment Zinc plated
 Packaging Standard



Type	☒	Art.number	Type	☒	Art.number	Type	☒	Art.number
M4X2010	250	69975.042.010	M5X3510	250	69975.053.510	M8X3020	250	69975.083.020
M4X2015	250	69975.042.015	M5X3515	250	69975.053.515	M8X3515	250	69975.083.515
M4X3010	250	69975.043.010	M6X2510	250	69975.062.510	M8X5015	250	69975.085.015
M4X3015	250	69975.043.015	M6X2515	250	69975.062.515	M8X5020	250	69975.085.020
M5X2010	250	69975.052.010	M6X4010	250	69975.064.010			
M5X2015	250	69975.052.015	M6X4015	250	69975.064.015			

Blind rivet tool

3





		M3			M4			M5			M6			M8			M10			M12			
		Al	St	St.st.	Al	St	St.st.	Al	St	St.st.	Al	St	St.st.	Al	St	St.st.	Al	St	St.st.	Al	St	St.st.	
F 360																							
F 510																							
F 511																							
F 612																							
FEZ 12																							

additional option
 recommended capacity

69685	Blind rivet tool	T90A
Packaging	Standard	

Type	Art.number		
FEZ 12	1 69685.012.001	<ul style="list-style-type: none"> • Unique hand tool with built-in transmission of power, allowing setting of large size blind rivet nuts with little effort. • Equipped with stroke setting mechanism and a quick-release mandrel system. • Capacity: M5 - M12. • Weight: 2,5 kg. • Dimensions: 555 mm. • Body: Aluminium. • Lever: Steel. 	
F 360	1 69685.360.001	<ul style="list-style-type: none"> • Equipment: Conversion kit blind rivet nuts M5 - M12. • Professional hand tool for setting blind rivet nuts and blind rivet bolts. • Equipped with stroke setting mechanism and quick-release mandrel system. • Capacity: M3 - M6. • Weight: 0,8 kg. • Dimensions: 280 mm. • Body: Aluminium. • Lever: Steel. 	
F 510	1 69685.510.001	<ul style="list-style-type: none"> • Equipment: Conversion kit blind rivet nuts M3 - M6. • Equipment: Conversion kit blind rivet bolts M4 - M6. • Powerful tool for setting blind rivet nuts and bolts, equipped with both a stroke setting mechanism ensuring every blind rivet nut and bolt to be set with equal clamping force, and a quick-release mandrel system. • Capacity: M5 - M10. • Weight: 2,2 kg. • Dimensions: 555 mm. • Body: ABS plastic with steel parts. • Lever: Steel. • Equipment: Conversion kit blind rivet nuts M5 - M10. • Equipment: Conversion kit blind rivet bolts M5 - M8. 	

69685 Blind rivet tool ←

Type	Art.number	Type	Art.number
F 511	1 69685.511.001	<ul style="list-style-type: none"> Powerful tool for setting blind rivet nuts and bolts, equipped with both a stroke setting mechanism ensuring every blind rivet nut and bolt to be set with equal clamping force, and a quick-release mandrel system. The quick-release spindle provides quick installation. Capacity: M5 - M10. Weight: 2,4 kg. Dimensions: 555 mm. Body: ABS plastic with steel parts. Lever: Steel. Equipment: Conversion kit blind rivet nuts M5 - M10. 	
F 612	1 69685.612.001	<ul style="list-style-type: none"> Powerful compact blind rivet nut tool with built-in ratched key. Especially suited to place large size blind rivet nuts in small areas. Equipped with ideal stroke setting mechanism and quick-release mandrel system. Capacity: M6 - M12. Weight: 1,1 kg. Dimensions: 210 mm. Body: Steel. Lever: Steel. Equipment: Conversion kit blind rivet nuts M6 - M12. Equipment: Conversion kit blind rivet bolts M5 - M8. 	

Blind rivet nut assortment



3

69670 Blind rivet nut assortment		F90A
Packaging	Standard	
Type	✉ Art.number	
F360	1 69670.360.001	<ul style="list-style-type: none"> • Set in aluminium case. • F360 Robust hand tool for blind rivet nuts and blind rivet bolts with 6 (x 30 pieces) sizes of rivet nuts: M4, M5, M6 (cylindrical and reduced countersunk).

AMECOIL Wire thread inserts

Application

AMECOIL wire thread inserts are not only economical for recovering worn or damaged screw threads but also very suitable to achieve high-loadable internal thread in metal and non-metal materials. AMECOIL wire thread inserts can be used at temperatures from -40°C up to +400°C.

Material

AMECOIL wire thread inserts are produced from a stainless steel A2 wire of diamond cross-section, that is wound in a coil like a spring.

Threads

The internal screw thread of the nut-part of the AMECOIL wire thread insert is conforming to the normal tolerance field 6H. For details concerning the external screw thread in the material see DIN 8140-2.

Assembly

For assembly of AMECOIL wire thread inserts see also the assembly sequence:

- drill the hole (do not countersink)
- tapping the thread with the special AMECOIL tap, the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- screwing in the AMECOIL wire thread insert with AMECOIL manual fitting tool by 1/4 to 1/2 pitch under the surface of the part
- breaking-off the engaging stem of the AMECOIL wire thread insert up to \varnothing 18 mm after fitting with the AMECOIL tang break, for sizes larger than M18 resp. 5/8 UNC/UNF a pointed plier has to be used
- assembly ready
- disassembly of a AMECOIL wire thread insert is possible with the special extractor.

3



Guide values for determination of the nominal length L ^①

Tensile strength material R_m in N/mm ²		Property class/yield strength bolt in N/mm ² ^②			
above	up to and incl.	5.8/400	8.8/640	10.9/900	12.9/1080
-	150	2 d	2,5 d	2,5 d	2,5 d
150	200	1,5 d	2 d	2 d	2,5 d
200	250	1,5 d	1,5 d	2 d	2,5 d
250	300	1 d	1,5 d	1,5 d	2 d
300	400	1 d	1 d	1,5 d	1,5 d

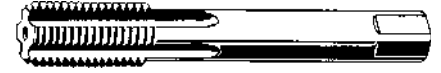


^① Corresponding to the proofloads of DIN ISO 898-2.

^② d = nominal size of the wire thread insert.

Technical brochure available on request.

Machine oversized tap for wire thread insert M



- ATTENTION: the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- Technical brochure available on request.

3

Article groups

Material	Packaging	Code	Page
St HSS	Standard	71310	3-140
St HSS for blind holes	Standard	71410	3-140

71310 AMECOIL Machine tap oversized for wire thread insert S91A

Material: Steel HSS
Packaging: Standard

AMECOIL

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	1	71310.030.001	M8	1	71310.080.001	M18	1	71310.180.001
M4	1	71310.040.001	M10	1	71310.100.001	M20	1	71310.200.001
M5	1	71310.050.001	M12	1	71310.120.001	M22	1	71310.220.001
M6	1	71310.060.001	M14	1	71310.140.001	M24	1	71310.240.001
M7	1	71310.070.001	M16	1	71310.160.001	M27	1	71310.270.001

71410 AMECOIL Machine tap oversized for wire thread insert S91A

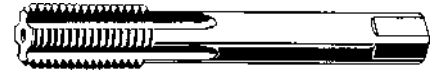
Material: Steel HSS
Packaging: Standard

AMECOIL

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M6	1	71410.060.001	M10	1	71410.100.001	M16	1	71410.160.001
M8	1	71410.080.001	M12	1	71410.120.001			

- Recommended for blind holes.
- Machinetap up to and including M8 sharp pointed and over M8 with flat point.

Machine tap for wire thread insert MF



- ATTENTION: the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- Technical brochure available on request.

3

71320	AMECOIL Machine tap for wire thread insert MF	S91A
Material	Steel HSS	
Packaging	Standard	
AMECOIL		


d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M8X1,00	1	71320.080.100	M12X1,50	1	71320.120.150	M18X1,50	1	71320.180.150
M10X1,00	1	71320.100.100	M14X1,25	1	71320.140.125	M20X1,50	1	71320.200.150
M10X1,25	1	71320.100.125	M14X1,50	1	71320.140.150	M22X1,50	1	71320.220.150
M12X1,00	1	71320.120.100	M16X1,50	1	71320.160.150	M24X1,50	1	71320.240.150
M12X1,25	1	71320.120.125						

Staged tap for spark plug wire thread inserts



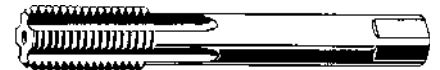
- ATTENTION: the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- Technical brochure available on request.

3



71930 AMECOIL Staged tap for spark plug wire thread inserts		S91A
Material	Steel HSS	 
Packaging	Standard	

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M12X1,25	1	71930.120.125						
M14X1,25	1	71930.140.125						

Machine tap for wire thread insert UNC

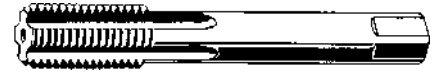


- ATTENTION: the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- Technical brochure available on request.

71340 AMECOIL Machine tap for wire thread inserts		S91A
Material	Steel HSS	 
Packaging	Standard	

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	1	71340.063.001	1/2	1	71340.127.001	7/8	1	71340.222.001
5/16	1	71340.079.001	9/16	1	71340.142.001	1.IN.	1	71340.254.001
3/8	1	71340.096.001	5/8	1	71340.158.001			
7/16	1	71340.111.001	3/4	1	71340.191.001			

Machine tap for wire thread insert UNF



- ATTENTION: the sizes of the thread of the special AMECOIL taps are larger than of a standard tap!
- Technical brochure is available on request.

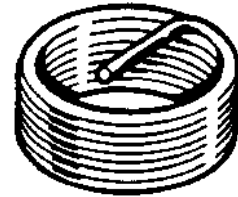
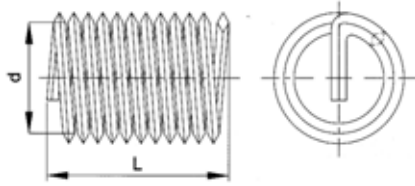
3

71330	AMECOIL Machine tap for wire thread inserts	S91A
Material	Steel HSS	
Packaging	Standard	
AMECA		

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
1/4	1	71330.063.001	1/2	1	71330.127.001	7/8	1	71330.222.001
5/16	1	71330.079.001	9/16	1	71330.142.001	1.IN.	1	71330.255.001
3/8	1	71330.096.001	5/8	1	71330.158.001			
7/16	1	71330.111.001	3/4	1	71330.191.001			

Wire thread insert

DIN 8140-1A



Technical data

d (nom.)	P	Drill ø	d (nom.)	P	Drill ø	d (nom.)	P	Drill ø
M3	0,5	3,2	M8	1,25	8,4	M18	2,5	18,75
M4	0,7	4,2	M10	1,5	10,5	M20	2,5	20,75
M5	0,8	5,2	M12	1,75	12,5	M22	2,5	22,75
M6	1	6,3	M14	2	14,5	M24	3	24,75
M7	1	7,3	M16	2	16,5	M27	3	27,75

- L - P = thread length after assembly.
- Technical brochure available on request.

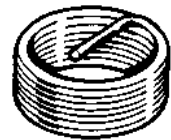
Article groups

Thread	Material	Colour	Packaging	Code	Page
M	St.St. A2		Standard	71110	3-144
M	St.St. A2	Red	prevailing torque type	71210	3-144

71110 AMECOIL Wire thread insert

S07A

Thread	Metric thread
Material	Stainless steel A2
Packaging	Standard

d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
M3X4,5	50	71110.030.004	M7X10,5	50	71110.070.010	M14X28	25	71110.140.028
M4X4	50	71110.040.004	M8X8	50	71110.080.008	M16X16	25	71110.160.016
M4X6	50	71110.040.006	M8X12	50	71110.080.012	M16X24	25	71110.160.024
M4X8	50	71110.040.008	M8X16	50	71110.080.016	M16X32	25	71110.160.032
M5X5	50	71110.050.005	M10X10	25	71110.100.010	M18X27	10	71110.180.027
M5X7,5	50	71110.050.007	M10X15	25	71110.100.015	M20X30	10	71110.200.030
M5X10	50	71110.050.010	M10X20	25	71110.100.020	M20X40	10	71110.200.040
M6X6	50	71110.060.006	M12X12	25	71110.120.012	M22X33	10	71110.220.033
M6X9	50	71110.060.009	M12X18	25	71110.120.018	M24X36	10	71110.240.036
M6X12	50	71110.060.012	M12X24	25	71110.120.024	M27X40,5	10	71110.270.040
M6X18	50	71110.060.018	M14X21	25	71110.140.021			

71210 AMECOIL Prevailing torque type wire thread insert

S07A

Thread	Metric thread
Material	Stainless steel A2
Colour	Red
Packaging	Standard
	DIN 8140-1B

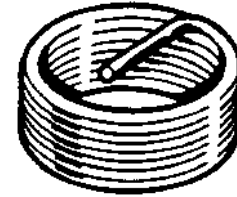
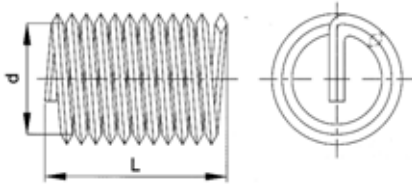



d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
M6X9	50	71210.060.009	M10X15	25	71210.100.015	M16X24	25	71210.160.024
M8X12	50	71210.080.012	M12X18	25	71210.120.018			

- The prevailing torque type wire thread insert achieves its locking ability, between bolt and AMECOIL, by polygonal deformation of one or more spirals of the wire thread insert.
- They are painted red for easier identification with the standard type.

Wire thread insert MF

DIN 8140-1A



Technical data

d (nom.) x P	Drill ø
M8x1	8,3
M10x1,25	10,4
M12x1,5	12,5
M14x1,5	14,5
M16x1,5	16,5

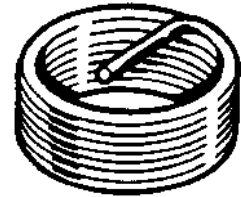
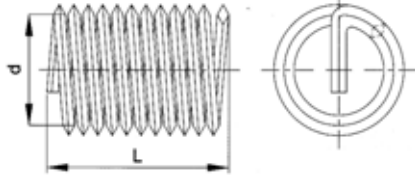
- L - P = thread length after assembly.
- Technical brochure available on request.

71120 AMECOIL Wire thread insert		S07A
Thread	Metric fine thread	 
Material	Stainless steel A2	
Packaging	Standard	

d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number
M8X1,00X12	50	71120.080.012	M12X1,50X18	25	71120.120.018	M16X1,50X24	25	71120.160.024
M10X1,25X10	25	71120.100.010	M14X1,50X14	25	71120.140.014			
M10X1,25X15	25	71120.100.015	M14X1,50X21	25	71120.140.021			
M10X1,25X20	25	71120.100.020	M16X1,50X16	25	71120.160.016			

Wire thread insert MEF

DIN 8140-1A



Technical data

d (nom.) x P	Drill ø
M10x1	10,25
M12x1	12,4
M12x1,25	12,4
M14x1,25	14,4
M18x1,5	18,5
M20x1,5	20,5
M22x1,5	22,5
M24x1,5	24,5

- L - P = thread length after assembly.
- Technical brochure available on request.

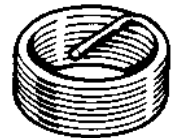
Article groups

Thread	Material	Packaging	Code	Page
MEF	St.St. A2	Standard	71121	3-146
MEF	St.St. A2	for spark plug	71920	3-146

71121 AMECOIL Wire thread insert

S07A

Thread Metric extra fine thread
Material Stainless steel A2
Packaging Standard

d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number
M10X1,00X15	25	71121.100.015	M18X1,50X12	10	71121.180.012	M20X1,50X30	10	71121.200.030
M12X1,25X18	25	71121.120.018	M18X1,50X18	10	71121.180.018	M22X1,50X22	10	71121.220.022
M12X1,00X18	25	71121.121.018	M18X1,50X27	10	71121.180.027	M24X1,50X24	10	71121.240.024
M14X1,25X14	25	71121.140.014	M20X1,50X20	10	71121.200.020			

71920 AMECOIL Wire thread insert for spark plugs

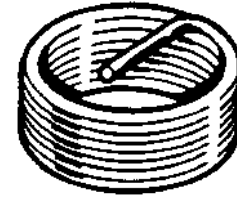
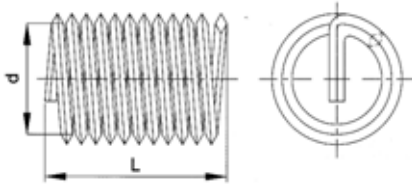
S07A

Thread Metric extra fine thread
Material Stainless steel A2
Packaging Standard




d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number
M12X1,25X10,5	25	71920.120.010	M14X1,25X10,5	25	71920.140.010	M14X1,25X18	25	71920.140.018
M14X1,25X7,5	25	71920.140.007						

Wire thread insert UNC



Technical data

d (nom.)	Threads per inch	Drill ø
1/4	20	6,7
5/16	18	8,4
3/8	16	10
7/16	14	11,6
1/2	13	13,2
9/16	12	14,9
5/8	11	16,5
3/4	10	19,8
7/8	9	23
1.IN.	8	26,4

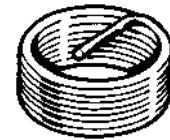
- L - P = thread length after assembly.
- Technical brochure available on request.

71140 AMECOIL Wire thread insert

S07A

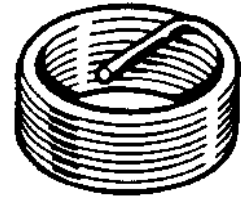
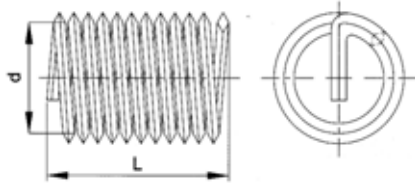
Thread Unified National Coarse
Material Stainless steel A2
Packaging Standard

AMECA



d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
1/4X9,5	50	71140.063.009	1/2X19,1	25	71140.127.019	7/8X33,3	10	71140.222.033
5/16X11,9	50	71140.079.011	9/16X21,4	25	71140.142.021	1.IN.X38,1	10	71140.254.038
3/8X14,3	25	71140.096.014	5/8X23,8	25	71140.158.023			
7/16X16,7	25	71140.111.016	3/4X28,6	10	71140.191.028			

Wire thread insert UNF



Technical data

d (nom.)	Threads per inch	Drill ø
1/4	28	6,7
5/16	24	8,3
3/8	24	9,9
7/16	20	11,5
1/2	20	13,1
9/16	18	14,7
5/8	18	16,3
3/4	16	19,5
7/8	14	22,7
1.IN.	12	26

- L - P = thread length after assembly.
- Technical brochure available on request.

71130 AMECOIL Wire thread insert

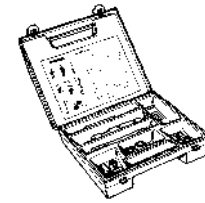
S07A


Thread Unified National Fine
Material Stainless steel A2
Packaging Standard

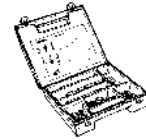



d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
1/4X9,5	50	71130.063.009	1/2X19,1	25	71130.127.019	7/8X22,2	10	71130.222.022
5/16X11,9	50	71130.079.011	9/16X14,3	25	71130.142.014	1.IN.-12GX25,4	10	71130.255.025
3/8X14,3	25	71130.096.014	5/8X15,9	25	71130.158.015			
7/16X16,7	25	71130.111.016	3/4X19,1	10	71130.191.019			

Workshop kit wire thread insert M



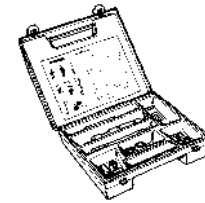
71010	AMECOIL Workshop kit wire thread insert	S90A
Material	Stainless steel A2	
Packaging	Standard	




d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
M3X4,5	1	71010.030.004	M8X12	1	71010.080.012	M18X27	1	71010.180.027
M4X6	1	71010.040.006	M10X15	1	71010.100.015	M20X30	1	71010.200.030
M5X7,5	1	71010.050.007	M12X18	1	71010.120.018	M22X33	1	71010.220.033
M6X9	1	71010.060.009	M14X21	1	71010.140.021	M24X36	1	71010.240.036
M7X10,5	1	71010.070.010	M16X24	1	71010.160.024			

- Contents:
- Complete unidimensional manuel fitting tool
- Machine tap (≥ M18 with extra starting tap)
- Tang break
- Stainless steel A2 wire thread inserts acc. to DIN 8140

Workshop kit wire thread insert MF



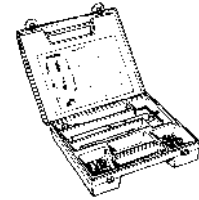
71020	AMECOIL Workshop kit wire thread insert MF	S90A
Material	Stainless steel A2	
Packaging	Standard	



d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number	d (nom.) x P x L	☒	Art.number
M8X1,00X12	1	71020.080.012	M12X1,50X18	1	71020.120.018	M16X1,50X16	1	71020.160.016
M10X1,25X15	1	71020.100.015	M14X1,50X14	1	71020.140.014			

- Contents:
- Complete unidimensional manuel fitting tool
- Machine tap
- Tang break
- Stainless steel A2 wire thread inserts acc. to DIN 8140

Workshop kit wire thread insert MEF



- Technical brochure available on request.

3

Article groups

Material	Packaging	Code	Page
St.St. A2	Standard	71021	3-150
St.St. A2	Standard	71910	3-150

71021 AMECOIL Workshop kit wire thread insert MEF		S90A
Material	Stainless steel A2	
Packaging	Standard	

d (nom.) x P x L	✉	Art.number	d (nom.) x P x L	✉	Art.number	d (nom.) x P x L	✉	Art.number
M10X1,00X15	1	71021.100.015	M18X1,50X18	1	71021.180.018	M24X1,50X24	1	71021.240.024
M12X1,25X18	1	71021.120.018	M20X1,50X20	1	71021.200.020			
M14X1,25X14	1	71021.140.014	M22X1,50X22	1	71021.220.022			

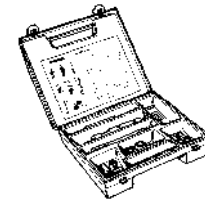
- These workshop kits are made from plastic, contents wire thread inserts and accessories and are for frequent use of one size.
- Contents:
 - Complete unidimensional manual fitting tool
 - Machine tap
 - Tang break
 - Stainless steel A2 wire thread inserts acc. to DIN 8140-1A


71910 AMECOIL Workshop kit wire thread insert MEF		S90A
Material	Stainless steel A2	
Packaging	Standard	

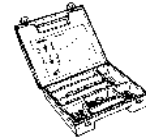
d (nom.) x P	✉	Art.number	
M12X1,25	1	71910.120.125	<ul style="list-style-type: none"> • Contents: <ul style="list-style-type: none"> • Manual fitting tool with nozzle • Carrier adapted to length for M12 x 1,25 x 10,5 / M12 x 1,25 x 18 • Staged tap • 10 stainless steel A2 wire thread inserts M12 x 1,25 x 10,5 / M12 x 1,25 x 18 acc. to DIN 8140-1A
M14X1,25	1	71910.140.125	<ul style="list-style-type: none"> • Contents: <ul style="list-style-type: none"> • Manual fitting tool with nozzle • Carrier adapted to length for M14 x 1,25 x 7,5 / M14 x 1,25 x 10,5 / M14 x 1,25 x 18 • Staged tap • 10 stainless steel A2 wire thread inserts M14 x 1,25 x 7,5 acc. to DIN 8140-1A • 20 stainless steel A2 wire thread inserts M14 x 1,25 x 10,5 acc. to DIN 8140-1A • 10 stainless steel A2 wire thread inserts M14 x 1,25 x 18 acc. to DIN 8140-1A

- These workshop kits are made from plastic, contents wire thread inserts and accessories and are recommended for general use.

Workshop kit wire thread insert UNC



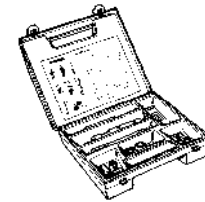
71040	AMECOIL Workshop kit wire thread insert UNC	S90A
Material	Stainless steel A2	
Packaging	Standard	



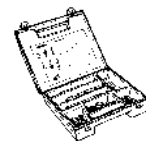
d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
1/4X9,5	1	71040.063.009	1/2X19,1	1	71040.127.019	7/8X33,3	1	71040.222.033
5/16X11,9	1	71040.079.011	9/16X21,4	1	71040.142.021	1.IN.X38,1	1	71040.254.038
3/8X14,3	1	71040.096.014	5/8X23,8	1	71040.158.023			
7/16X16,7	1	71040.111.016	3/4X28,6	1	71040.191.028			

- Contents:
- Complete unidimensional manual fitting tool
- Machine tap ($\geq 5/8$ UNC with extra starting tap)
- Tang break
- Stainless steel A2 wire thread inserts

Workshop kit wire thread insert UNF



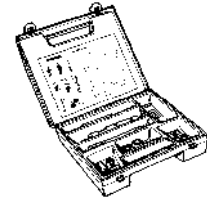
71030	AMECOIL Workshop kit wire thread insert UNF	S90A
Material	Stainless steel A2	
Packaging	Standard	



d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number	d (nom.) x L	☒	Art.number
1/4X9,5	1	71030.063.009	1/2X19,1	1	71030.127.019	7/8X22,2	1	71030.222.022
5/16X11,9	1	71030.079.011	9/16X14,3	1	71030.142.014	1.IN.-12GX25,4	1	71030.255.025
3/8X14,3	1	71030.096.014	5/8X15,9	1	71030.158.015			
7/16X16,7	1	71030.111.016	3/4X19,1	1	71030.191.019			

- Contents:
- Complete unidimensional manual fitting tool
- Machine tap
- Tang break
- Stainless steel A2 wire thread inserts

Workshop kit wire thread insert BSW



- Whitworth thread (BSW/BSF) is not internationally recommended.
- It is advised to use metric (M/MF) or unified threads (UNC/UNF).

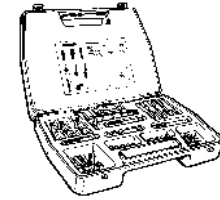
3

71050	AMECOIL Workshop kit wire thread insert BSW	S90A
Material	Stainless steel A2	
Packaging	Standard	
AMECA		

d (nom.) x L	✉	Art.number	d (nom.) x L	✉	Art.number	d (nom.) x L	✉	Art.number
1/2X19,1	1	71050.127.019						

- Contents:
- Complete unidimensional manuel fitting tool
- Machine tap
- Tang break
- Stainless steel A2 wire thread inserts

Repair kit with wire thread inserts

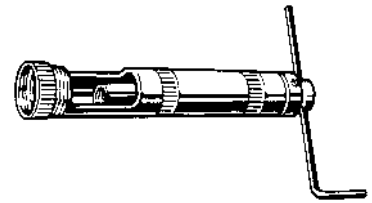


71090	AMECOIL Repair kit with wire thread inserts	S90A
Packaging	Standard	

3

No.	✉	Art.number	
No.1-MM	1	71090.100.010	<ul style="list-style-type: none"> Repair kit no. 1 with/for metric wire thread inserts Contents: <ul style="list-style-type: none"> Manual fitting tool no. 3. Nozzle and mandrel for M6 / M8 / M10 and M12. Tang break for each size. Machine tap for each size. 15 stainless steel A2 wire thread inserts M6 x 9 / M8 x 12 / M10 x 15 / M12 x 18 acc. to DIN 8140. ATTENTION: nozzles and mandrels M6 and M8 are specially for manual fitting tool no. 3 adjusted and only replaceable by nozzles and mandrels article group 71711. For nozzles and mandrels M10 / M12, see group code 71710.
No.2-MM	1	71090.100.020	<ul style="list-style-type: none"> Repair kit no. 2 with/for metric wire thread inserts. Contents: <ul style="list-style-type: none"> Manual fitting tool no. 4. Nozzle and mandrel for M6 / M8 / M10 / M12 / M14 x 1,25. Tang break for each size. Machine tap for each size (for M14 x 1,25 staged tap). 15 stainless steel A2 wire thread inserts M6 x 9 / M8 x 12 / M10 x 15 / M12 x 18 / M14 x 1,25 x 14 acc. to DIN 8140. ATTENTION: nozzles and mandrels M6 / M8 / M10 / M12 / M14 x 1,25 are specially for manual fitting tool no. 4 adjusted and only replaceable by nozzles and mandrels article groups 71712 and 71722
No.1C-NC	1	71090.400.010	<ul style="list-style-type: none"> Repair kit no. 1C with/for UNC wire thread inserts. Contents: <ul style="list-style-type: none"> Manual fitting tool no. 3. Nozzle and mandrel for 1/4 / 5/16 / 3/8 / 7/16 / 1/2 UNC. Tang break for each size. Machine tap for each size. 15 stainless steel A2 wire thread inserts 1/4 x 9,5 / 5/16 x 11,9 / 3/8 x 14,3 / 7/16 x 16,7 / 1/2 x 19,1 UNC. ATTENTION: nozzles and mandrels 1/4 UNC en 5/16 UNC are specially for manual fitting tool no. 3 adjusted and only replaceable by nozzles and mandrels article group 71741. For nozzles and mandrels 3/8 / 7/16 / 1/2 UNC, see article group 71740.
No.1D-NF	1	71090.500.010	<ul style="list-style-type: none"> Repair kit no. 1D with/for UNF wire thread inserts. Contents: <ul style="list-style-type: none"> Manual fitting tool no. 3. Nozzle and mandrel for 1/4 / 5/16 / 3/8 / 7/16 / 1/2 UNF. Tang break for each size. Machine tap for each size. 15 stainless steel A2 wire thread inserts 1/4 x 9,5 / 5/16 x 11,9 / 3/8 x 14,3 / 7/16 x 16,7 / 1/2 x 19,1 UNF. ATTENTION: nozzles and mandrels 1/4 UNF en 5/16 UNF are specially for manual fitting tool no. 3 adjusted and only replaceable by nozzles and mandrels article group 71731. For nozzles and mandrels 3/8 / 7/16 / 1/2 UNF, see article group 71730.

Multidimensional manual fitting tool



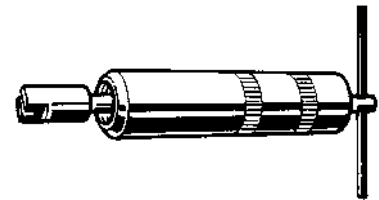
3

71510	AMECOIL Multidimensional manual fitting tool	S91A
Packaging	Standard	
AMECA		

No.	✉	Art.number	
No.1	1	71510.000.001	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M4 / M5
No.2	1	71510.000.002	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M6 / M7 / M8 / M8x1 / 1/4 UNC / 5/16 UNC / 1/4 UNF / 5/16 UNF
No.3	1	71510.000.003	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M10 / M12 / M10x1 / M10x1,25 / M12x1 / M12x1,25 / M12x1,5 / 3/8 UNC / 7/16 UNC / 1/2 UNC / 3/8 UNF / 7/16 UNF / 1/2 UNF
No.4	1	71510.000.004	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M14 / M16 / M14x1,25 / M14x1,5 / M16x1,5 / 9/16 UNC / 5/8 UNC / 9/16 UNF / 5/8 UNF / 1/2 BSW

- Intended for the fitting of wire thread inserts.
- Excl. nozzle and mandrel, these have to be ordered, per diameter, separately.
- Aluminium body with steel inside work.

Complete manual fitting tool



71610 AMECOIL Complete manual fitting tool Metric S91A

Packaging Standard

AMECA

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M18	1	71610.180.001	M22	1	71610.220.001	M27	1	71610.270.001
M20	1	71610.200.001	M24	1	71610.240.001			

- Complete manual fitting tool.
- Intended for the fitting of metric wire thread inserts.
- Aluminium with steel inside work.

71620 AMECOIL Complete manual fitting tool Metric fine S91A

Packaging Standard

AMECA

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M18X1,50	1	71620.180.150	M22X1,50	1	71620.220.150			
M20X1,50	1	71620.200.150	M24X1,50	1	71620.240.150			

- Complete manual fitting tool.
- Intended for the fitting of metric extra fine wire thread inserts.
- Aluminium with steel inside work.

71940 AMECOIL Manual fitting tool with nozzle Metric S91A

Packaging Standard

AMECA

d x P	☒	Art.number	d x P	☒	Art.number	d x P	☒	Art.number
M12X1,25	1	71940.120.125	M14X1,25	1	71940.140.125			

- Manual fitting tool with nozzle.
- Suitable for the fitting of spark plug wire thread inserts.
- Excl. carrier adapted to length, to be ordered separately per diameter and length (d nom. x L) wire thread insert.
- Aluminium body with steel inside work.

71640 AMECOIL Complete manual fitting tool UNC S91A

Packaging Standard

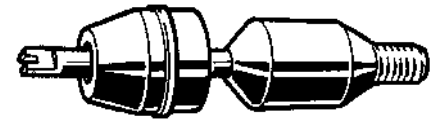
AMECA

d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
3/4	1	71640.191.001	7/8	1	71640.222.001	1.IN.	1	71640.254.001


- Complete manual fitting tool.
- Intended for the fitting of UNC wire thread inserts.
- Aluminium with steel inside work.

3

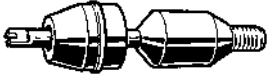
Nozzle and mandrel for manual fitting




3

71710	AMECOIL Nozzle and mandrel for manual fitting Metric	S91A
Packaging	Standard	
AMECA		

d		✉	<u>Art.number</u>	
M3	1		71710.030.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 1 • Suitable for wire thread insert: M3
M4	1		71710.040.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 1 • Suitable for wire thread insert: M4
M5	1		71710.050.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 1 • Suitable for wire thread insert: M5
M6	1		71710.060.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: M6.
M7	1		71710.070.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: M7
M8	1		71710.080.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: M8
M10	1		71710.100.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: M10
M12	1		71710.120.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no.3 • Suitable for wire thread insert: M12
M14	1		71710.140.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: M14
M16	1		71710.160.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: M16

71711	AMECOIL Nozzle and mandrel for manual fitting Metric	S91A
Packaging	Standard	
AMECA		

d		✉	<u>Art.number</u>	
M6-ASS1	1		71711.060.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 (repair kit no.1) • Suitable for wire thread insert: M6
M8-ASS1	1		71711.080.001	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 (repair kit no. 1) • Suitable for wire thread insert: M8

71720	AMECOIL Nozzle and mandrel for manual fitting Metric fine	S91A
Packaging	Standard	
AMECA		



d x P		✉	<u>Art.number</u>	
M8X1,00	1		71720.080.100	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: M8x1
M10X1,00	1		71720.100.100	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: M10x1
M10X1,25	1		71720.100.125	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: M10x1,25
M12X1,00	1		71720.120.100	<ul style="list-style-type: none"> • Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: M12x1

71720 AMECOIL Nozzle and mandrel for manual fitting Metric fine ←

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M12X1,25	1	71720.120.125	• Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: M12x1,25	✉	71720.120.150	M12X1,50	1	71720.120.150
M12X1,50	1	71720.120.150						
M14X1,25	1	71720.140.125	• Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: M14x1,25	✉	71720.140.150	M14X1,50	1	71720.140.150
M14X1,50	1	71720.140.150						
M16X1,50	1	71720.160.150	• Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: M16x1,5	✉			1	

71740 AMECOIL Nozzle and mandrel for manual fitting UNC S91A



Packaging Standard

d	✉	Art.number	
1/4	1	71740.063.001	• Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: 1/4 UNC
5/16	1	71740.079.001	
3/8	1	71740.096.001	• Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: 3/8 UNC
7/16	1	71740.111.001	
1/2	1	71740.127.001	• Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: 1/2 UNC
9/16	1	71740.142.001	
5/8	1	71740.158.001	• Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: 5/8 UNC

71730 AMECOIL Nozzle and mandrel for manual fitting UNF S91A

Packaging Standard

d	✉	Art.number	
1/4	1	71730.063.001	• Nozzle and mandrel for manual fitting tool no. 2 • Suitable for wire thread insert: 1/4 UNF
5/16	1	71730.079.001	
3/8	1	71730.096.001	• Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: 3/8 UNF
7/16	1	71730.111.001	
1/2	1	71730.127.001	• Nozzle and mandrel for manual fitting tool no. 3 • Suitable for wire thread insert: 1/2 UNF
9/16	1	71730.142.001	
5/8	1	71730.158.001	• Nozzle and mandrel for manual fitting tool no. 4 • Suitable for wire thread insert: 5/8 UNF

Carrier adapted



3

71950	AMECOIL Carrier adapted	S91A
Packaging	Standard	
AMECA		

d x P x L	☒	Art.number	d x P x L	☒	Art.number	d x P x L	☒	Art.number
M12X1,25X10,5	1	71950.120.010	M14X1,25X7,5	1	71950.140.007	M14X1,25X18	1	71950.140.018
M12X1,25X18	1	71950.120.018	M14X1,25X10,5	1	71950.140.010			

- For manual fitting tool with nozzle.

Tang break

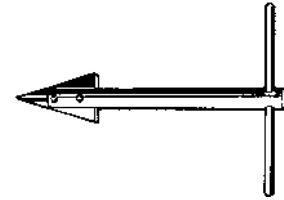


71810	AMECOIL Tang break	S91A
Packaging	Standard	
AMECA		

For use with nr.	☒	Art.number	For use with nr.	☒	Art.number	For use with nr.	☒	Art.number
M3	1	71810.030.001	M7	1	71810.070.001	M14 - 9/16	1	71810.140.001
M4	1	71810.040.001	M8 - 5/16	1	71810.080.001	M16 - 5/8	1	71810.160.001
M5	1	71810.050.001	M10 - 3/8 - 7/16	1	71810.100.001	M18	1	71810.180.001
M6 - 1/4	1	71810.060.001	M12 - 1/2	1	71810.120.001			

- Intended to use for breaking off the engaging stem after fitting of the wire thread insert.
- ATTENTION: for sizes larger than M18 resp. 5/8 UNC/UNF a pointed plier has to be used.

Extractor



71860	AMECOIL Extractor	S91A
Packaging	Standard	
AMECA		

3

No.	✉	Art.number	
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No.1	1	71860.000.001	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M3 / M4 / M5 / M6 / M7 / M8 / 1/4 / 5/16
No.2	1	71860.000.002	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M5 / M6 / M7 / M8 / M10 / M12 / 1/4 / 5/16 / 3/8 / 7/16
No.3	1	71860.000.003	<ul style="list-style-type: none"> • Suitable for wire thread insert: • M10 / M12 / M14 / M16 / M18 / M20 / M22 / M24 / 3/8 / 7/16 / 1/2 / 9/16 / 5/8

- Intended to use when an inserted wire thread insert has been poorly positioned and has to be extracted (metric / metric fine / UNC / UNF / BSW).
- ATTENTION: if the screwthread has not been damaged, a new wire thread insert can be fitted.

FABORY Self-cutting threaded inserts

General

The principle of the *FABORY* self-cutting threaded insert is quite simple. Not only "soft" materials i.e. aluminium, copper, brass, plastic and hardwood, but also metal with a tensile-strength of up to 420 N/mm² can easily be fitted with a reliable metric screw thread, and pretapping, is not necessary. Worn and damaged screw threads can now be quickly and easily repaired with a *FABORY* self-cutting threaded insert.

Function

The *FABORY* self-cutting threaded insert uses an external thread to cut its way into the workpiece, and the metric internal thread offers an exceptional fixing with high-tensile values.

Fitting

For fitting the *FABORY* self-tapping thread inserts, three handy tools are available:

- hand tool **type 610**
- hand/machine tool **type 620**
- hand/machine tool **type 6102**
 - exclusively suitable for the *FABORY* self-tapping thread inserts with a hexagon socket, **types 302 2** and **308 2**

For application in materials with a high tensile strength, we recommend:

- the use of a suitable lubricant, and/or
- pre-tapping with hand tap no. 1 (taper tap, marked with one ring)

Types of thread insert

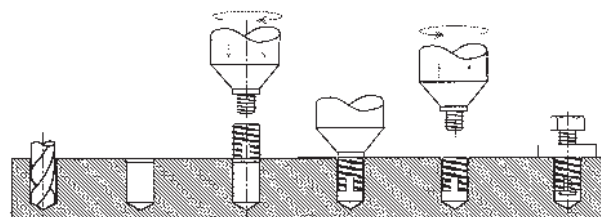
- **Type 302**, provided with two flutes and:
 - o in steel version, applicable in somewhat softer materials, with a tensile strength up to 300 N/mm²
 - o in stainless steel version, applicable in materials with a tensile strength up to 320 N/mm²
- **Type 307**, provided with three radial cutting holes, and applicable in somewhat harder materials, with a tensile strength from 360 to 420 N/mm²
- **Type 308**, same as type 307, but this type is the longer version of type 307
- **Type 302 2**, provided with two flutes, with hexagon socket, and applicable in somewhat softer materials with a tensile strength up to 300 N/mm²
- **Type 308 2**, provided with three radial cutting holes, with hexagon socket, long version, and applicable in somewhat harder materials, with a tensile strength from 360 to 420 N/mm²

Hole diameters		Guidelines for type 302				Guidelines for types 307 and 308			
workpiece material	light metal with tensile strength R_m (N/mm ²)	$R_m < 250$							
		$R_m < 300$				$R_m < 300$			
		$R_m < 350$					$R_m < 350$		
		$R_m > 350$						$R_m > 350$	
	Brass, bronze, non-ferrous metal								
Cast iron HB = Brinell hardness	HB < 150					HB < 150			
	HB < 200					HB < 200			
	HB > 200					HB > 200			
thread insert internal thread	M3		4,6	4,7	4,8	4,6	4,7	4,8	
	M4	5,9	6,0	6,1	6,2	6,0	6,1	6,2	
	M5	7,2	7,3	7,5	7,6	7,4	7,5	7,6	7,7
	M6	8,8	9,0	9,2	9,4	9,3	9,4	9,5	9,6
	M8	10,8	11,0	11,2	11,4	11,1	11,2	11,3	11,5
	M10	12,8	13,0	13,2	13,4	13,1	13,2	13,3	13,5
	M12	14,8	15,0	15,2	15,4	15,0	15,1	15,2	15,4
	M14	16,8	17,0	17,2	17,4	17,0	17,1	17,2	17,4
	M16	18,8	19,0	19,2	19,4	19,0	19,1	19,2	19,4
	M20	24,8	25,0	25,2	25,4				
	M24	28,8	29,0	29,2	29,4				
M27	32,8	33,0	33,2	33,4					
M30	34,8	35,0	35,2	35,4					
Flank overlap approx.		60 %	50 %	40 %	30 %	80 %	70 %	60 %	50 %

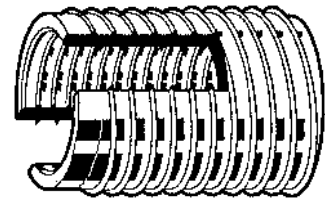
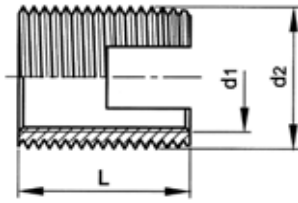
Recommended hole diameters for problem-free fitting. For the other hole diameters, lubrication or pre-tapping may be necessary.

Assembly sequence:

- 1) bore hole (see table above)
- 2) countersink hole (recommended)
- 3) screw insertion device into thread insert
- 4) screw thread insert in to approx. 0.1 to 0.2 mm below surface of workpiece
- 5) remove insertion device
- 6) component can be fitted



Self-cutting threaded insert type 302



Technical data

d1 x L	P (d1)	d ₂	P (d2)	Drill depth (min.)
M3x6	0,5	5	0,5	8
M4x8	0,7	6,5	0,75	10
M5x10	0,8	8	1	13
M6x10	1	10	1,5	13
M6x12	1	10	1,5	15
M6x14	1	10	1,5	17
M8x12	1,25	12	1,5	15
M8x15	1,25	12	1,5	18
M10x15	1,5	14	1,5	18
M10x18	1,5	14	1,5	22
M12x22	1,75	16	1,5	26
M14x24	2	18	1,5	28
M16x22	2	20	1,5	27
M20x27	2,5	26	1,5	32
M24x30	3	30	1,5	36
M27x30	3,5	34	1,5	36
M30x40	3,5	36	1,5	46

- Drill depth (min.) = Minimum bore depth for blind holes.

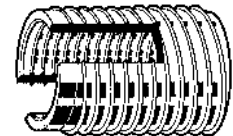
Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	St Case-hardened	Zipl yell.p.	Standard	71550	3-161
M	St.St. A1		Standard	71566	3-161
M	St.St. C4		Standard	71560	3-162

71550 Self-cutting threaded insert type 302

S93A

Thread	Metric thread
Material	Steel Case-hardened
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



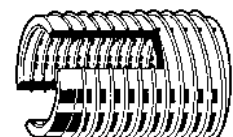
d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M3X6	50	71550.030.001	M8X15	50	71550.080.001	M14X24	25	71550.140.001
M4X8	50	71550.040.001	M8X12	50	71550.080.012	M16X22	25	71550.160.001
M5X10	50	71550.050.001				M20X27	10	71550.200.001
M6X14	50	71550.060.001	M10X18	25	71550.100.001	M24X30	10	71550.240.001
M6X10	50	71550.060.010	M10X15	25	71550.100.015	M27X30	5	71550.270.001
M6X12	50	71550.060.012	M12X22	25	71550.120.001	M30X40	5	71550.300.001

- For use in materials with tensile strength up to 300 N/mm².
- Light metal alloys, cast iron, brass, bronze, non-ferrous metals, plastics and hardwoods.

71566 Self-cutting threaded insert type 302

S93A

Thread	Metric thread
Material	Stainless steel A1
Packaging	Standard



d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M3X6	25	71566.030.001	M6X14	25	71566.060.001	M12X22	10	71566.120.001
M4X8	25	71566.040.001	M8X15	25	71566.080.001	M16X22	10	71566.160.001
M5X10	25	71566.050.001	M10X18	10	71566.100.001			

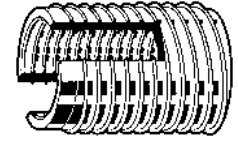
71566 Self-cutting threaded insert type 302

d1 x L	Art.number	d1 x L	Art.number	d1 x L	Art.number
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- For use in materials with tensile strength up to 320 N/mm².

71560 Self-cutting threaded insert type 302 S93A

Thread	Metric thread
Material	Stainless steel C4
Packaging	Standard

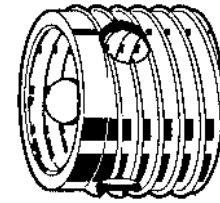
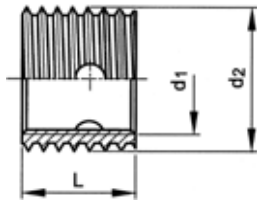

3

d1 x L	Art.number	d1 x L	Art.number	d1 x L	Art.number
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M3X6	25	71560.030.001	M6X14	25	71560.060.001	M12X22	10	71560.120.001
M4X8	25	71560.040.001	M8X15	25	71560.080.001	M16X22	10	71560.160.001
M5X10	25	71560.050.001	M10X18	10	71560.100.001			

- For use in materials with tensile strength up to 320 N/mm².

Self-cutting threaded insert type 307/308



Technical data

d1 x L	P (d1)	d ₂	P (d2)	Drill depth (min.)
M3x4	0,5	5	0,6	6
M3x6	0,5	5	0,6	8
M4x6	0,7	6,5	0,8	8
M4x8	0,7	6,5	0,8	10
M5x7	0,8	8	1	9
M5x10	0,8	8	1	13
M6x8	1	10	1,25	10
M6x12	1	10	1,25	15
M8x9	1,25	12	1,5	11
M8x14	1,25	12	1,5	17
M10x10	1,5	14	1,5	13
M10x18	1,5	14	1,5	22
M12x12	1,75	16	1,75	15
M12x22	1,75	16	1,75	26
M16x14	2	20	2	17
M16x24	2	20	2	28

- Drill depth (min.) = Minimum bore depth for blind holes.

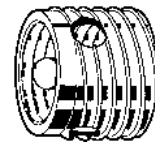
Article groups

Thread	Material	Surface treatment		Packaging	Code	Page
M	St	Zipl yell.p.	307	Standard	71552	3-163
M	St	Zipl yell.p.	308	Standard	71554	3-163

71552 Self-cutting threaded insert type 307

S93A

Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



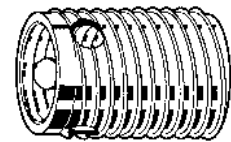
d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M3X4	50	71552.030.001	M6X8	50	71552.060.001	M12X12	25	71552.120.001
M4X6	50	71552.040.001	M8X9	50	71552.080.001	M16X14	25	71552.160.001
M5X7	50	71552.050.001	M10X10	25	71552.100.001			

- For use in materials with tensile strength from 360 to 420 N/mm².
- Aluminium and aluminium alloys, magnesium alloys, duroplastic and thermoplastic polymers.

71554 Self-cutting threaded insert type 308

S93A

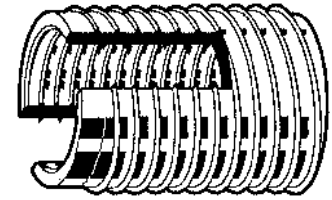
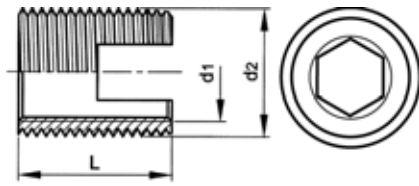
Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M3X6	50	71554.030.001	M6X12	50	71554.060.001	M12X22	25	71554.120.001
M4X8	50	71554.040.001	M8X14	50	71554.080.001	M16X24	25	71554.160.001
M5X10	50	71554.050.001	M10X18	25	71554.100.001			

- For use in materials with tensile strength from 360 to 420 N/mm².
- Aluminium and aluminium alloys, magnesium alloys, duroplastic and thermoplastic polymers.

Self-cutting threaded insert with hexagon socket type 302 2



Technical data

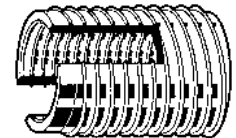
d1 x L	M4x8	M5x10	M6x14	M8x15	M10x18	M12x22
P (d1)	0,7	0,8	1	1,25	1,5	1,75
d ₂	6,5	8	10	12	14	16
P (d2)	0,75	1	1,5	1,5	1,5	1,5
S (+0,1mm)	3,2	4,1	4,9	6,6	8,3	10,1
Drill depth (min.)	10	13	17	18	22	27
Thickness	8	10	14	15	18	22

- Drill depth (min.) = Minimum bore depth for blind holes.
- Thickness = min. material thickness.
- S = W.a.f. hexagon socket.

71551 Self-cutting threaded insert with hexagon socket type 302 2

S93A

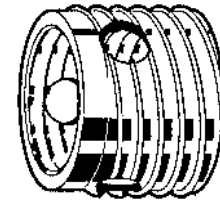
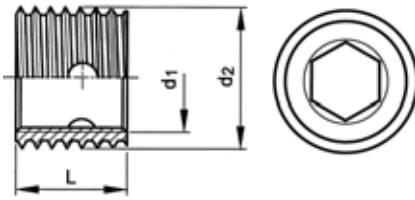
Thread	Metric thread
Material	Steel Case-hardened
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M4X8	50	71551.040.008	M6X14	50	71551.060.014	M10X18	25	71551.100.018
M5X10	50	71551.050.010	M8X15	50	71551.080.015	M12X22	25	71551.120.022

- For use in materials with tensile strength up to 300 N/mm².
- Light metal alloys, cast iron, brass, bronze, non-ferrous metals, plastics and hardwoods.
- Advantages of the self-cutting thread inserts with hexagon socket:
 - Thread insert does not have to be screwed onto device: saves up to 50% of fitting time.
 - Simple insertion tool type 6102: use with tommy bar or optionally by machine.
 - Insertion device only needs to turn clockwise.
- Thread inserts are simple to unscrew (when recycling workpiece).

Self-cutting threaded insert with hexagon socket type 308 2



Technical data

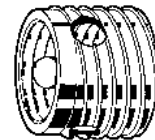
d1 x L	M4x8	M5x10	M6x12	M8x14	M10x18	M12x22
P (d1)	0,7	0,8	1	1,25	1,5	1,75
d ₂	6,5	8	10	12	14	16
P (d2)	0,8	1	1,25	1,5	1,5	1,75
S (+0,1mm)	3,2	4,1	4,9	6,6	8,3	10,1
Drill depth (min.)	10	13	15	17	22	26
Thickness	8	10	12	14	18	22

- Drill depth (min.) = Minimum bore depth for blind holes.
- Thickness = min. material thickness.
- S = W.a.f. hexagon socket.

71556 Self-cutting threaded insert with hexagon socket type 308 2

S93A

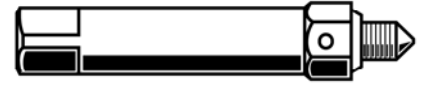
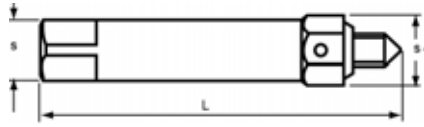
Thread	Metric thread
Material	Steel Case-hardened
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



d1 x L	☒	Art.number	d1 x L	☒	Art.number	d1 x L	☒	Art.number
M4X8	50	71556.040.008	M6X12	50	71556.060.012	M10X18	25	71556.100.018
M5X10	50	71556.050.010	M8X14	50	71556.080.014	M12X22	25	71556.120.022

- For use in materials with tensile strength from 360 to 420 N/mm².
- Aluminium and aluminium alloys, magnesium alloys, duroplastic and thermoplastic polymers.
- Advantages of the self-tapping thread inserts with hexagon socket:
 - Thread insert does not have to be screwed onto device: saves up to 50% of fitting time.
 - Simple insertion tool type 6102: use with tommy bar or optionally by machine.
 - Insertion device only needs to turn clockwise.
- Thread inserts are simple to unscrew (when recycling workpiece).

Self-cutting threaded insert tool type 610



Technical data

d1	L	S	S ₁
M3	55	5	7
M4	60	5	7
M5	75	8	13
M6	75	8	13
M8	75	8	13
M10	95	12,5	19
M12	95	12,5	19

- L = Total length.
- S = Square s.
- S₁ = Contra-nut s.
- For manual insertion of self-tapping thread inserts types 302, 307 and 308 (with aid of tommy bar and open-ended spanner).

71595 Self-cutting threaded insert tool type 610

S94A

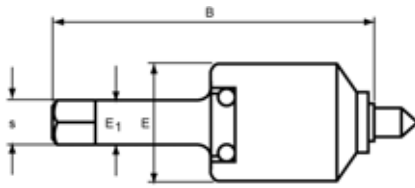
Material Steel
Packaging Standard



Nom. size d1	☒	Art.number	Nom. size d1	☒	Art.number	Nom. size d1	☒	Art.number
M3	1	71595.030.001	M6	1	71595.060.001	M12	1	71595.120.001
M4	1	71595.040.001	M8	1	71595.080.001			
M5	1	71595.050.001	M10	1	71595.100.001			

- No spare parts are available for this hand tool.

Self-cutting threaded insert tool type 620



Technical data

d1	E	E ₁	S	B
M3	18	8	6,3	78
M4	18	8	6,3	78
M5	24	12,5	10	95
M6	24	12,5	10	95
M8	24	12,5	10	95
M10	32	16	12,5	118
M12	32	16	12,5	118
M14	50	25	20	145
M16	50	25	20	145
M20	58	25	20	169
M24	70	30	25	198
M27	70	30	25	198
M30	70	30	25	198

- d₁ = For dimension d₁.
- E = Housing E diameter
- E₁ = Shaft diameter E₁.
- S = Square w.a.f.
- B = Length B.
- For insertion manually (with aid of tommy bar) or by machine of self-tapping thread inserts types 302, 307 and 308.
- For this 620 device, spare threaded studs are available, group code 71597.

71592 Self-cutting threaded insert tool type 620

S94A

Material Steel
Packaging Standard



d1	☒	Art.number	d1	☒	Art.number	d1	☒	Art.number
M3	1	71592.030.001	M10	1	71592.100.001	M24	1	71592.240.001
M4	1	71592.040.001	M12	1	71592.120.001	M27	1	71592.270.001
M5	1	71592.050.001	M14	1	71592.140.001	M30	1	71592.300.001
M6	1	71592.060.001	M16	1	71592.160.001			
M8	1	71592.080.001	M20	1	71592.200.001			

Spare threaded pin for tool type 620



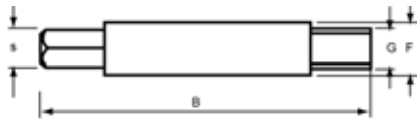
3

71597	Spare threaded pin for tool type 620	S94A
Packaging	Standard	



d	☒	Art.number	d	☒	Art.number	d	☒	Art.number
M3	1	71597.030.001	M10	1	71597.100.001	M22	1	71597.220.001
M4	1	71597.040.001	M12	1	71597.120.001	M24	1	71597.240.001
M5	1	71597.050.001	M14	1	71597.140.001	M30	1	71597.300.001
M6	1	71597.060.001	M16	1	71597.160.001			
M8	1	71597.080.001	M20	1	71597.200.001			

Self-tapping thread insert with hexagon socket tool type 6102



Technical data

For nom.size d1	s	F	G	B
M4	3,2	6	4,9	80
M5	4,1	8	6,2	90
M6	4,9	10	8	100
M8	6,6	10	8	100
M10	8,3	12	9	110
M12	10,1	14	11	125

- s = Hex stud s (nom.).
- F = Shaft diameter F.
- G = Square G.
- B = Length B.

71580 Self-tapping thread insert with hexagon socket tool type 6102

S94A

Material Steel
Packaging Standard



For nom. size d1	✉	Art.number	For nom. size d1	✉	Art.number	For nom. size d1	✉	Art.number
M4	1	71580.040.001	M6	1	71580.060.001	M10	1	71580.100.001
M5	1	71580.050.001	M8	1	71580.080.001	M12	1	71580.120.001

- Hand/machine tool 6102 is exclusively for use with self-tapping thread inserts with hexagon socket, types 302 2 and 308 2.
- Advantages of the self-tapping thread inserts with hexagon socket:
- Thread insert does not have to be screwed onto device: saves up to 50% of fitting time.
- Simple insertion tool type 6102: use with tommy bar or optionally by machine.
- Insertion device only needs to turn clockwise.
- Thread inserts are simple to unscrew (when recycling workpiece).

FABORY Self-cutting threaded inserts

Fitting tip

For fitting the *FABORY* self-tapping thread inserts, the three handy tools mentioned earlier are available, namely:

- *FABORY* self-tapping thread inserts with hexagon socket **types 302 2** and **308 2** can be fitted with hand/machine tool **type 6102**
- hand tool **type 610**
- hand/machine tool **type 620**

Both suitable for the *FABORY* self-tapping thread inserts WITHOUT hexagon socket: types 302, 307 and 308.

For emergency or rapid fitting of only a few of these types of *FABORY* self-tapping thread inserts, it is also possible to use a nut and bolt of correct size.

FABORY self-tapping thread inserts of type 302 are also available in a selection case (S572). 420 items in total, in sizes from M3 up to M16, in materials steel, zinc plated yellow passivated and some sizes in C4 stainless steel (art. no. 41010.000.572).

