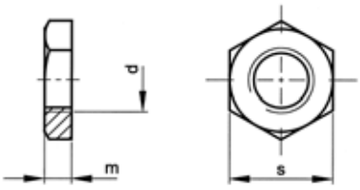
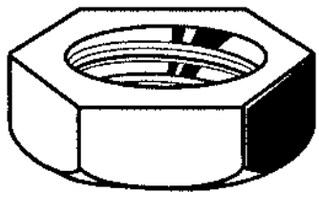
Pipe nut parallel thread



DIN ≈431 A



Technical data

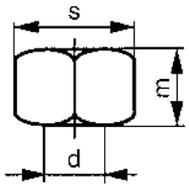
d	Threads per inch	m (max.)	s
G 1/8	28	6,48	18
G 1/4	19	6,48	21
G 3/8	19	7,58	27
G 1/2	14	8,58	34
G 5/8	14	8,58	34
G 3/4	14	9,58	36
G 7/8	14	9,58	41
G 1.IN.	11	10,58	46
G 1.1/4	11	11,7	55
G 1.1/2	11	12,7	60
G 2.IN.	11	13,7	75

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

3

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

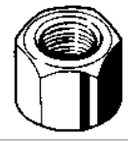
- The 1 inch trackshoe nuts are class 6.

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	Standard	06070	3-40
UNF	square head	St	12	square	Standard	06080	3-40

06060 Hexagon trackshoe nut high type — Y90A

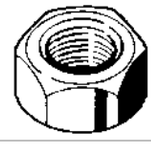
Thread Unified National Fine
Material Free-cutting steel
Packaging Standard



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

06070 Hexagon trackshoe nut thin — Y90A

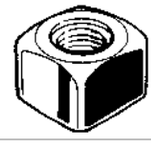
Thread Unified National Fine
Material Steel
Class 12
Packaging Standard



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			

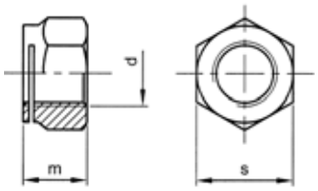
06080 Square trackshoe nut — Y90A

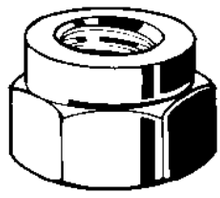
Thread Unified National Fine
Material Steel
Class 12
Packaging Standard



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



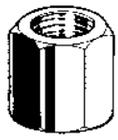


Article groups

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

72123 Exhaust nut — Y92F

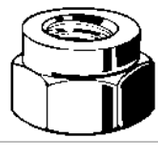
Thread Unified National Fine
Material Brass
Packaging Standard



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

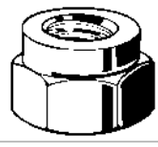


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M8 s=12	100	72130.080.120	M10 s=14	100	72130.100.140	M12 s=17	50	72130.120.170
M8 s=13	100	72130.080.130	M10 s=17	100	72130.100.170			

- Temperature resistance from –70°C till +400°C

72131 THERMAG Exhaust nut — Y92F

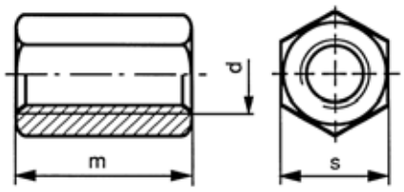
Thread Metric fine thread
Material Steel
Surface treatment Copper plated
Packaging Standard

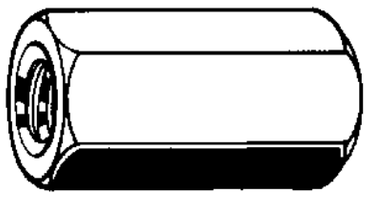


d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
10X1,25 s=14	100	72131.100.125						

- Temperature resistance from –70°C till +400°C

Hexagon connection nut height 3 x d





Technical data

3

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

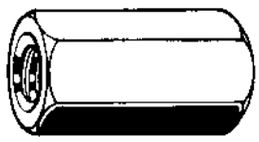
- These connection nuts are used among others for connection of threaded rods.

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

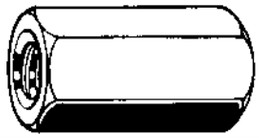
Thread Metric thread
Material Steel
Class |10|
Surface treatment Zinc plated
Packaging Standard



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

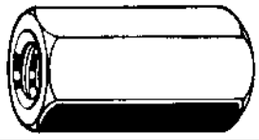
Thread Metric thread
Material Free-cutting steel
Surface treatment Zinc plated
Packaging Standard



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

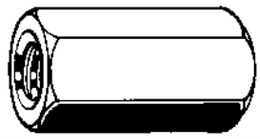
51106 Hexagon connection nut height 3 x d

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

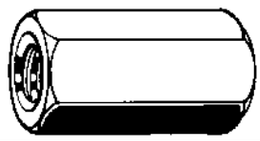
Thread Metric thread
Material Stainless steel A4
Packaging Standard



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			

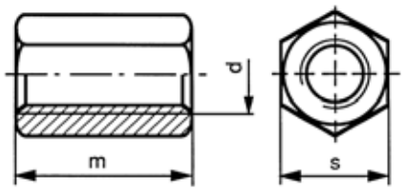
47195 Hexagon connection nut height 3 x d M11C

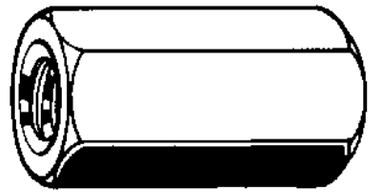
Thread Metric thread
Material Brass
Packaging Standard



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			

Hexagon connection nut extra high





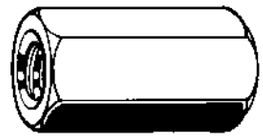
Technical data

3

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

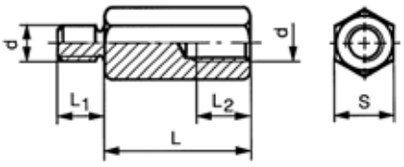
11408 Hexagon connection nut extra high **F01C**

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



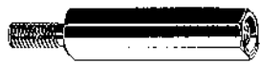
Technical data

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

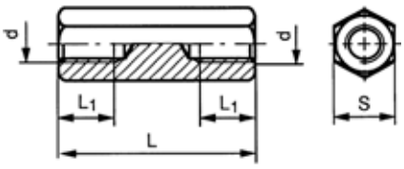
11398 Spacer with internal thread and external threaded stud type H1202 **F01C**

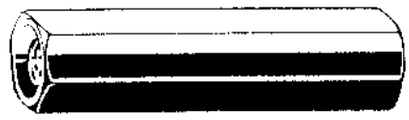
Thread Metric thread
Material Free-cutting steel
Class |6|
Surface treatment Zinc plated
Packaging Standard



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





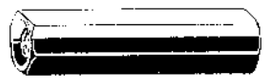
Technical data

3

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

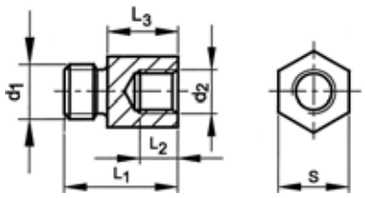
11396 Spacer with 2x internal thread H1200 **F01C**

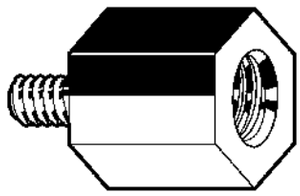
Thread	Metric thread
Material	Free-cutting steel
Class	|6|
Surface treatment	Zinc plated
Packaging	Standard



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			
M2,5X25X7	100	11396.025.025	M3X45X7	100	11396.030.045	M5X15X15	100	11396.050.015
			M3X50X7	100	11396.030.050	M5X20X9	100	11396.050.020
M3X5X5	100	11396.030.005				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



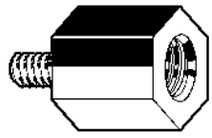


Technical data

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

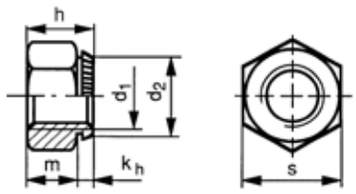
11393 Reducer **F01C**

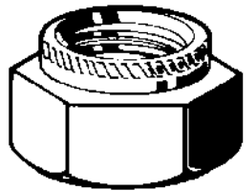
Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard



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			

Press nut





Technical data

3

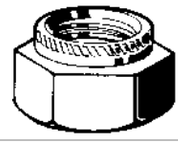
d1	P	k_h	d_2	h	m	s	Hole ø (H11)	Material thickness (min.)
M2	0,4	0,9	4,5	3	2,1	5,5	4,5	1
M2,3	0,4	0,9	4,5	3	2,1	5,5	4,5	1
M2,5	0,45	0,9	4,5	3	2,1	5,5	4,5	1
M2,6	0,45	0,9	4,5	3	2,1	5,5	4,5	1
M3	0,5	0,9	4,5	3	2,1	5,5	4,5	1
M3 (K_h1,4)	0,5	1,4	4,5	3	1,6	5,5	4,5	1,5
M3 (K_h1,8)	0,5	1,8	4,5	3	1,2	5,5	4,5	2
M4	0,7	0,9	5,5	3,2	2,3	7	5,5	1
M4 (K_h1,4)	0,7	1,4	5,5	3,2	1,8	7	5,5	1,5
M4 (K_h1,8)	0,7	1,8	55	4,5	2,7	7	5,5	2
M5	0,8	0,9	6,5	4	3,1	8	6,5	1
M5 (K_h1,4)	0,8	1,4	6,5	4	2,6	8	6,5	1,5
M5 (K_h1,8)	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 (K_h1,4)	1	1,4	8	5	3,6	10	8	1,5
M6 (K_h1,8)	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	K_h=1,4	Standard	15010	3-87
M	hexagon	St.St. A1			K_h=1,4	Standard	15070	3-87
M	hexagon	St	6	Zipl	K_h=1,8	Standard	15020	3-87
M	hexagon	St.St. A1			K_h=1,8	Standard	15080	3-87

15000 KALEI Press nut — F01E

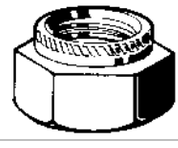
Thread Metric thread
Material Steel
Class 6
Surface treatment Zinc plated
Packaging Standard



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

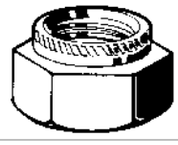
Thread Metric thread
Material Stainless steel A1
Packaging Standard



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

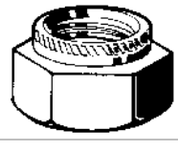
Thread Metric thread
Material Steel
Class 6
Surface treatment Zinc plated
Packaging Standard



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

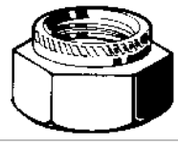
Thread Metric thread
Material Stainless steel A1
Packaging Standard



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

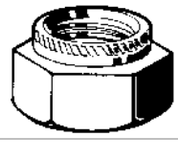
Thread Metric thread
Material Steel
Class 6
Surface treatment Zinc plated
Packaging Standard



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			

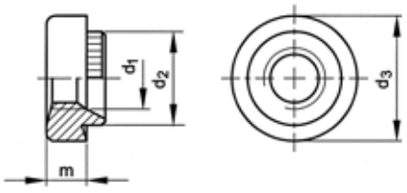
15080 KALEI Press nut K_h = 1,8 — F01E

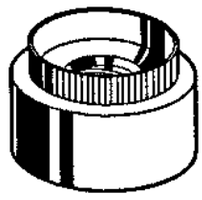
Thread Metric thread
Material Stainless steel A1
Packaging Standard



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			

Round rivet bush





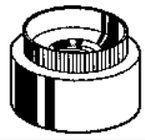
Technical data

3

d1	P	d_2	d_3	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**

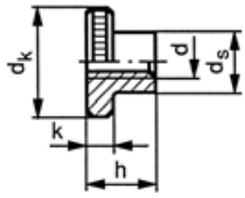
Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard



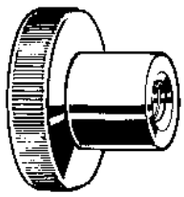
d1 - p	✉	Art.number	d1 - p	✉	Art.number	d1 - p	✉	Art.number
M3-1,0MM	250	12480.030.010	M5-1,0MM	250	12480.050.010			
M3-1,5MM	250	12480.030.015	M5-1,5MM	250	12480.050.015	M8-1,5MM	250	12480.080.015
M3-1,8MM	250	12480.030.018	M5-2,0MM	250	12480.050.020	M8-2,0MM	250	12480.080.020
M3-2,5MM	250	12480.030.025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

- p = material thickness = grip range.

Knurled thumb nut high type



DIN 466



Technical data

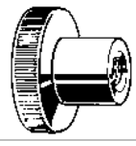
d	P	d_k	d_s	k	h
M2	0,4	9	4,5	2	5,3
M3	0,5	12	6	2,5	7,5
M4	0,7	16	8	3,5	9,5
M5	0,8	20	10	4	11,5
M6	1	24	12	5	15
M8	1,25	30	16	6	18
M10	1,5	36	20	8	23

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

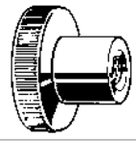
Thread Metric thread
Material Steel
Class |5|
Surface treatment Zinc plated
Packaging Standard



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

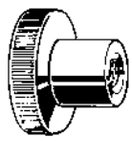
Thread Metric thread
Material Stainless steel A1
Class 50
Packaging Standard



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			

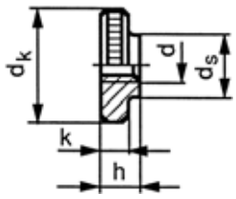
47500 Knurled thumb nut high type — M11D

Thread Metric thread
Material Brass Cu3
Packaging Standard

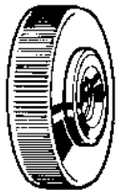


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M3	100	47500.030.001	M5	50	47500.050.001	M8	25	47500.080.001
M4	50	47500.040.001	M6	25	47500.060.001	M10	10	47500.100.001

Knurled thumb nut thin type



DIN 467



Technical data

3

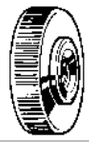
d	P	d_k	d_s	k	h
M3	0,5	12	6	2,5	3
M4	0,7	16	8	3,5	4
M5	0,8	20	10	4	5
M6	1	24	12	5	6
M8	1,25	30	16	6	8
M10	1,5	36	20	8	10

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

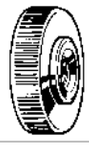
51840 Knurled thumb nut thin type — R09A

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

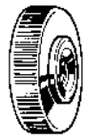
Thread Metric thread
Material Brass Cu3
Packaging Standard



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

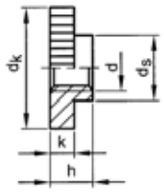
47511 Knurled thumb nut thin type — M01D

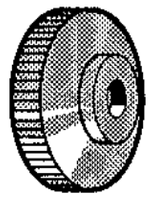
Thread Metric thread
Material Brass Cu3
Surface treatment Nickel plated
Packaging Standard



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





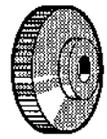
Technical data

3

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

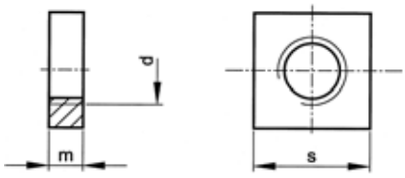
56240 Knurled thumb nut plastic **W02A**

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

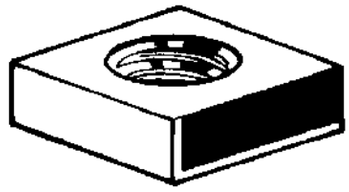


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	100	56240.040.001	M5	100	56240.050.001	M6	50	56240.060.001

Square thin nut



DIN 562



Technical data

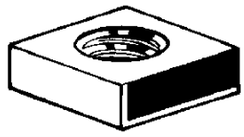
d	P	m	s
M2	0,4	1,2	4
M2,5	0,45	1,6	5
M3	0,5	1,8	5,5
M4	0,7	2,2	7
M5	0,8	2,7	8
M6	1	3,2	10
M8	1,25	4	13
M10	1,5	5	16

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

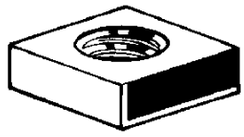
Thread Metric thread
Material Steel
Class 04
Surface treatment Zinc plated
Packaging Standard



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

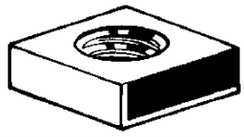
Thread Metric thread
Material Steel
Class 04
Surface treatment Zinc plated
Packaging Large



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

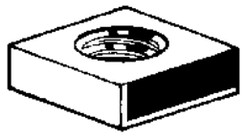
Thread Metric thread
Material Stainless steel A2
Packaging Standard



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

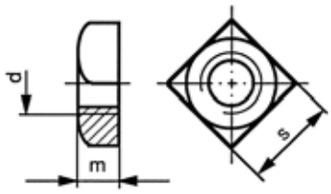
Thread Metric thread
Material Stainless steel A4
Packaging Standard



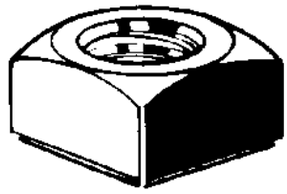
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M3	250	55095.030.001	M5	250	55095.050.001	M8	250	55095.080.001
M4	250	55095.040.001	M6	250	55095.060.001	M10 *	100	55095.100.001

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

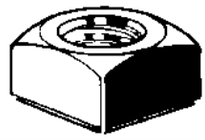
3

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

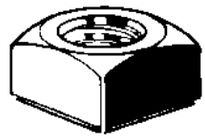
Thread Metric thread
Material Steel
Class ≥5
Packaging Standard



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

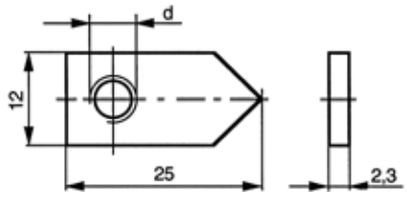
11140 Square nut F01A

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

3

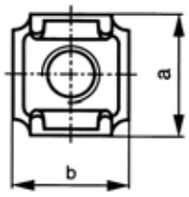
- Application in combination with cross recessed mushroom head screws in boxes and cabinets.

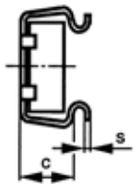
24700 Pointed nut **F01X**

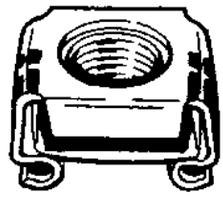
Thread	Metric thread
Material	Steel
Surface treatment	Zinc plated
Packaging	Standard

d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M6	1000	24700.060.001						

Cage nut



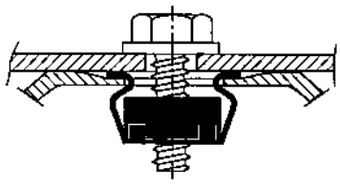


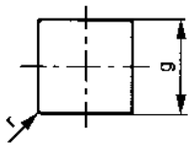


Technical data

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





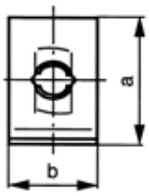
72350 Cage nut **Y93A**

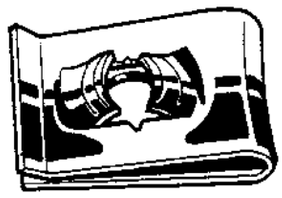
Thread Metric thread
Material Spring steel
Surface treatment Zinc plated
Packaging Standard

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





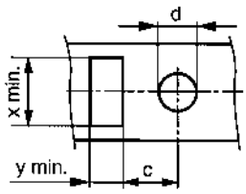
Technical data

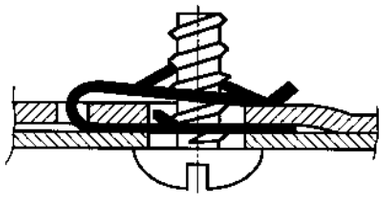
3

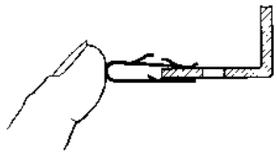
Type	SNU 1812	SNU 1219	SNU 0536	SNU 1561	SNU 0537	SNU 1747	SNU 0538	SNU 5113	SNU-M5	SNU-M6	SNU-M8
a	11,1	16,4	16,5	24,6	19,8	12,2	26,2	27,3	20,4	23,6	27,5
b	7,9	11	11	11,1	12,7	16	15,1	14,3	15	16	18
s	0,5	0,6	0,6	0,6	0,7	0,7	0,8	0,9	0,6	0,8	1
For screw	ST2,9	ST3,5	ST4,2	ST4,2	ST4,8	ST4,8	ST5,5	ST6,3	-	-	-
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**

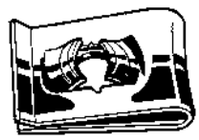
Thread Metric thread
Material Spring steel
Surface treatment Zinc plated
Packaging Standard

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.

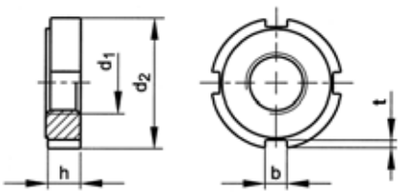
72293 Speednut type SNU **Y93A**

Thread Self tapping thread
Material Spring steel
Surface treatment Zinc plated yellow passivated
Packaging Standard

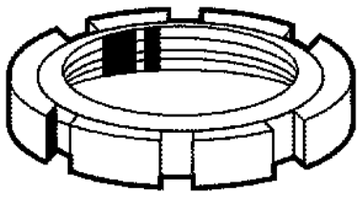


Type	✉	Art.number	Type	✉	Art.number	Type	✉	Art.number
2,9MM = No.1812	100	72293.029.001						
3,5MM = No.1219	100	72293.035.001	4,8MM = No.0537	50	72293.048.001	5,5MM = No.0538	50	72293.055.001
4,2MM = No.0536	50	72293.042.001	4,8MM = No.1747	50	72293.048.002	6,3MM = No.5113	50	72293.063.001
4,2MM =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

Slotted round nut for hook spanners



DIN 1804 W



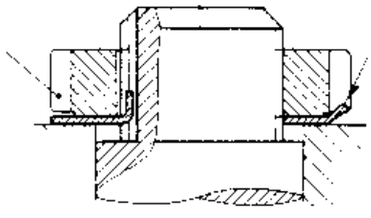
Technical data

d1	d_2 (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

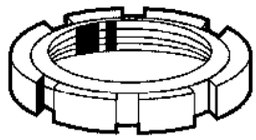
slotted round nut for hookspanners acc. to DIN 1804 W



internal tab washer acc. to DIN 462

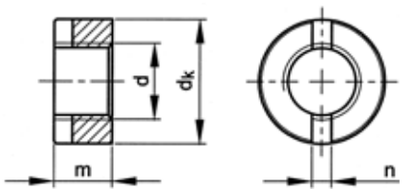
11572 Slotted round nut for hook spanners F01X

Thread Metric fine thread
Material Steel
Class |5|
Packaging Standard

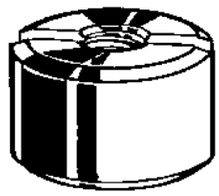


d1 x P	✉	Art.number	d1 x P	✉	Art.number	d1 x P	✉	Art.number
M10X1,00	25	11572.100.100	M32X1,50	5	11572.320.150	M62X1,50	1	11572.620.150
M12X1,50	25	11572.120.150	M35X1,50	5	11572.350.150	M65X1,50	1	11572.650.150
M14X1,50	10	11572.140.150	M38X1,50	5	11572.380.150	M68X1,50	1	11572.680.150
M16X1,50	10	11572.160.150	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	d_k	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

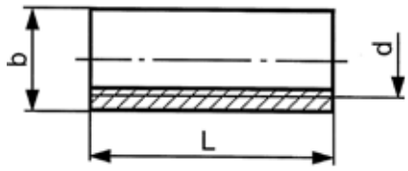
- Slotted round nuts are often used in the electrotechnical and fine mechanical industries, they are easily to assemble with a screwdriver acc. to DIN 3115.

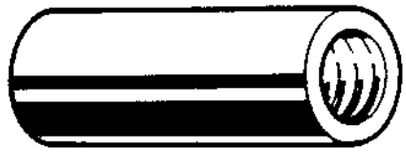
11772 Slotted round nut **F01X**

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

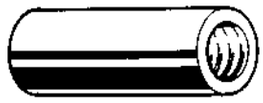
3

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.

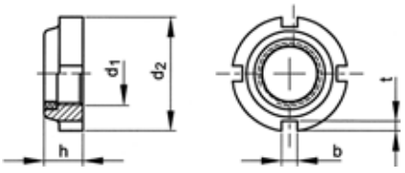
11401 Round connection nut **F01C**

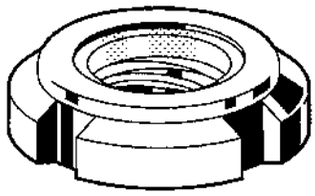
Thread Metric thread
Material Free-cutting steel
Surface treatment Zinc plated
Packaging Standard



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				M12X30	50	11401.120.030
M6X30	100	11401.060.030	M10X20	100	11401.100.020	M12X40	50	11401.120.040
			M10X30	100	11401.100.030			
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



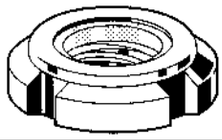


Technical data

d1	d_2	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

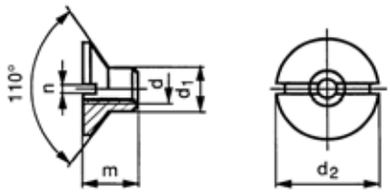
11790 Prevailing torque type slotted round nut with non-metallic insert type GUK **F01X**

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

3

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

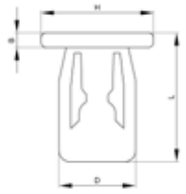
- Slotted countersunk nuts are used among others in wood connections, where the nutside has to be flat.

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

Jacknut



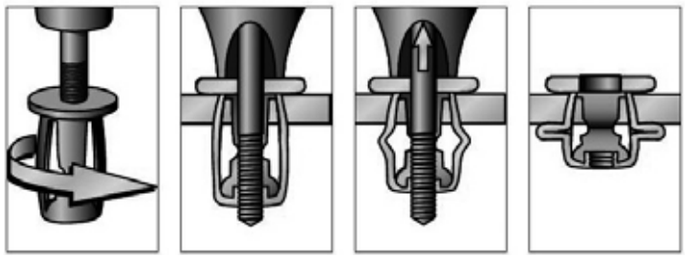
Technical data

3

Type	4SJN	6SJN	8SJN
For nom. size	M4	M5	M6
Hole ø ≈	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