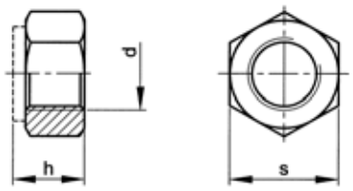
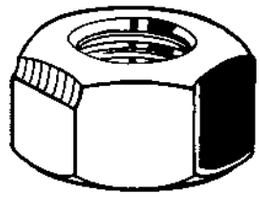
Prevailing torque type hexagon nut all metal



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

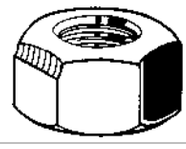
d	P	h (max.)	s
M24	3	24	36
M30	3,5	30	46

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

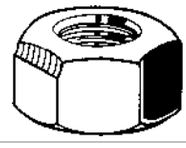


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M5	250	12858.050.001	M12	100	12858.120.001	M24	25	12858.240.001
M6	250	12858.060.001	M14	100	12858.140.001	M30	25	12858.300.001
M8	250	12858.080.001	M16	50	12858.160.001			
M10	200	12858.100.001	M20	25	12858.200.001			

- Special features of type STOVER prevailing torque type hexagon nuts:
- Is a one piece all metal class l8l 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 untill 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

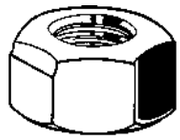


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M6	4000	12880.060.001	M10	750	12880.100.001	M14	250	12880.140.001
M8	2000	12880.080.001	M12	500	12880.120.001	M16	100	12880.160.001

- Special features of type STOVER prevailing torque type hexagon nuts:
- Is a one piece all metal class l8l 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 untill 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

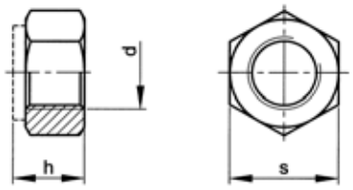


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M6	250	12910.060.001	M12	100	12910.120.001	M20	50	12910.200.001
M8	250	12910.080.001	M14	100	12910.140.001	M24	50	12910.240.001
M10	200	12910.100.001	M16	50	12910.160.001	M30	25	12910.300.001

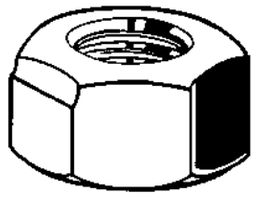
3

- 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 untill 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

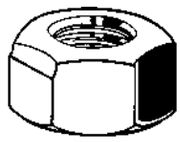


Technical data

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

12912 Prevailing torque type hexagon nut all metal MF **F01J**

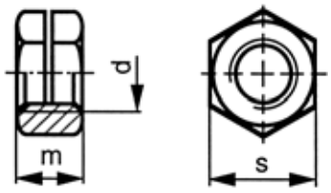
Thread Metric fine thread
Material Steel
Class |8|
Surface treatment Zinc plated
Packaging Standard

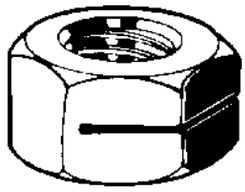


d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
M8X1,00	250	12912.080.100	M12X1,50	200	12912.120.150	M20X1,50	50	12912.200.150
M10X1,00	250	12912.100.100				M24X1,50	50	12912.240.150
M10X1,25	250	12912.100.125	M14X1,50	200	12912.140.150	M24X2,00	50	12912.240.200
			M16X1,50	100	12912.160.150			
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 l8l 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 untill 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

3

d	P	m	s
M4	0,7	4	7
M5	0,8	5	8
M6	1	6	10
M7	1	7	11
M8	1,25	8	13

d	P	m	s
M10	1,5	10	16
M12	1,75	12	18
M14	2	14	21
M16	2	16	24
M18	2,5	18	27

d	P	m	s
M20	2,5	20	30
M22	2,5	22	34
M24	3	24	36
M27	3	27	41

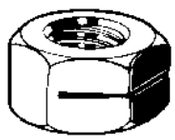
- These SNEP prevailing torque type hexagon nuts should be used in combination with bolts of property class ≤ 6.8.

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

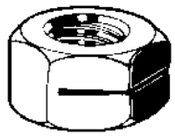


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	250	13100.040.001	M10	200	13100.100.001	M20	25	13100.200.001
M5	250	13100.050.001	M12	100	13100.120.001	M22	25	13100.220.001
M6	250	13100.060.001	M14	100	13100.140.001	M24	25	13100.240.001
M7	250	13100.070.001	M16	50	13100.160.001	M27	10	13100.270.001
M8	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 seperated and compressed parts of the nut in relation to each other. First the nut runs freely on the bolt untill the groove is reached, the clamping on the thread is achieved by the elastic reaction of the material independant 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

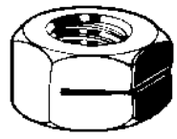


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M8	200	45300.080.001	M12	100	45300.120.001			
M10	100	45300.100.001	M16	50	45300.160.001			

- Colourless anodized.

51710 SNEP Prevailing torque type hexagon nut all stainless steel A1 type H100-ESN R09A

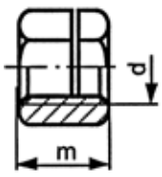
Thread Metric thread
Material Stainless steel A1/A2
Packaging Standard

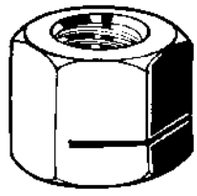


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	100	51710.040.001	M8	50	51710.080.001	M16	10	51710.160.001
M5	100	51710.050.001	M10	50	51710.100.001			
M6	100	51710.060.001	M12	25	51710.120.001			

- 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 seperated and compressed parts of the nut in relation to each other. First the nut runs freely on the bolt untill 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

3

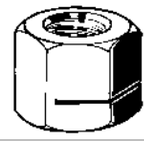
d	P	m	s
M4	0,7	5,2	7
M5	0,8	6,5	8
M6	1	7,8	10
M7	1	9,1	11

d	P	m	s
M8	1,25	10,4	13
M10	1,5	13	16
M12	1,75	15,6	18
M14	2	18,2	21

d	P	m	s
M16	2	20,8	24
M18	2,5	23,4	27
M20	2,5	26	30
M24	3	31,2	36

13200 SNEP Prevailing torque type hexagonal all metal type H130-ESN **F01E**

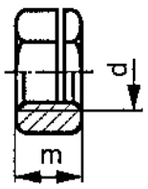
Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard

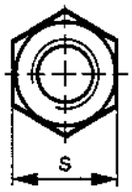


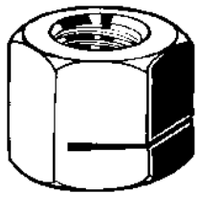
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M4	250	13200.040.001	M8	250	13200.080.001	M16	50	13200.160.001
M5	250	13200.050.001	M10	200	13200.100.001	M18	50	13200.180.001
M6	250	13200.060.001	M12	100	13200.120.001	M20	25	13200.200.001
M7	250	13200.070.001	M14	100	13200.140.001	M24	25	13200.240.001

- 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





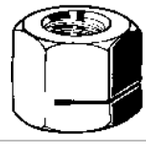


Technical data

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

13190 SNEP Prevailing torque type hexagon nut all metal type USN **F01E**

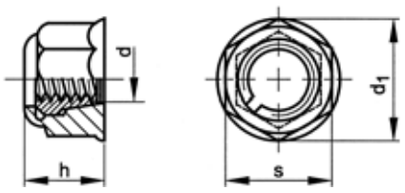
Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard

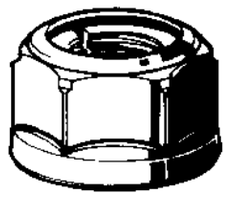


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M30	10	13190.300.001	M36	5	13190.360.001	M42	5	13190.420.001
M33	10	13190.330.001	M39	5	13190.390.001	M45	4	13190.450.001

- 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.

Prevailing torque type hexagon nut all metal

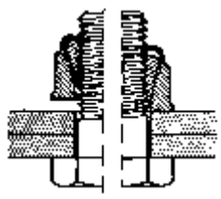




Technical data

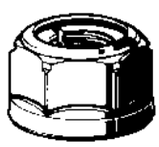
d	P	d_1	h	s
M6	1	12	7,5	10
M8	1,25	16,8	10	14
M10	1,5	20,4	12,5	17
M12	1,75	25	15	21
M14	2	27,5	17	23
M16	2	31	19	26
M18	2,5	34,5	22	29
M20	2,5	38,5	23	32
M22	2,5	41,5	25	35
M24	3	45	28,5	38

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.



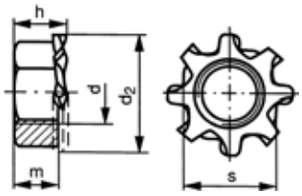
13000 SECURIT Prevailing torque type hexagon nut all metal **F93A**

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			

Prevailing torque type hexagon nut with captive toothed lock washer



Technical data

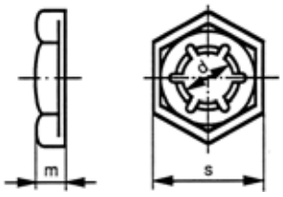
d	P	m	s	h	d_2
M3	0,5	2,4	5,5	3,1	6,6
M4	0,7	3,2	7	4	8
M5	0,8	4	8	5,1	9,2
M6	1	5	10	6,1	11,4
M8	1,25	6,5	13	7,9	14,9
M10	1,5	8	17	9,6	19

11490 COMBY Prevailing torque type hexagon nut with captive toothed lock washer **F01X**

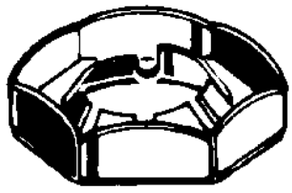
Thread Metric thread
Material Steel
Surface treatment Zinc plated
Packaging Standard

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

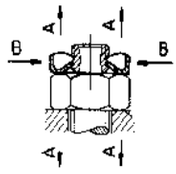
3

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

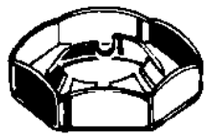


Article groups

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

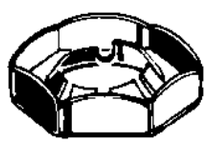


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M5	200	12530.050.001	M14	100	12530.140.001	M24	100	12530.240.001
M6	200	12530.060.001	M16	100	12530.160.001	M27	100	12530.270.001
M8	100	12530.080.001	M18	100	12530.180.001	M30	100	12530.300.001
M10	100	12530.100.001	M20	100	12530.200.001	M36	100	12530.360.001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