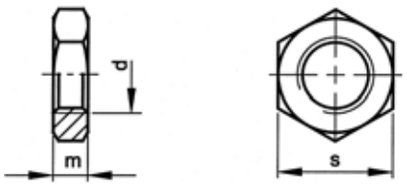
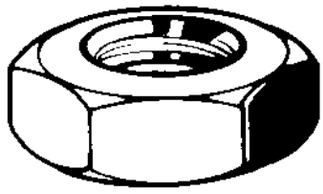
Hexagon thin nut



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

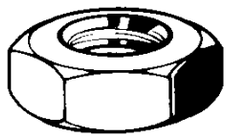
d	P	m	s
M36	4	18	55
M39	4	19,5	60
M42	4,5	21	65
M45	4,5	22,5	70
M48	5	24	75
M52	5	26	80
M56 (≠DIN)	5,5	28	85
M60 (≠DIN)	5,5	30	90

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	Standard	11382	3-32
M	hexagon	St	04	Zipl yell.p.		Standard	11350	3-32
M	hexagon	St	04	Hot d.g.	oversized	Standard	01580	3-32
M	hexagon	St	04	Hot d.g.	iso metric	Standard	01586	3-32
M	hexagon	St.St. A2	70			Standard	51090	3-33
M	hexagon	St.St. A2	70		left hand	Standard	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

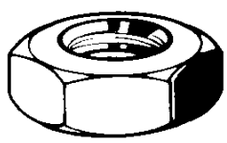
Thread Metric thread
Material Steel
Class 04
Packaging Standard



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



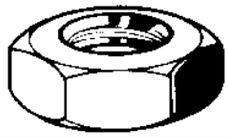
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M2	250	11360.020.001	M10	100	11360.100.001	M24	25	11360.240.001
M2,5	250	11360.025.001	M12	100	11360.120.001	M27	10	11360.270.001
M3	250	11360.030.001	M14	100	11360.140.001	M30	10	11360.300.001
M4	250	11360.040.001	M16	50	11360.160.001	M33	10	11360.330.001
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

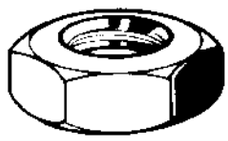


3

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

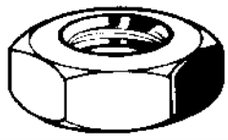
Thread Metric thread
Material Steel
Class 04
Surface treatment Zinc plated yellow passivated
Packaging Standard



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

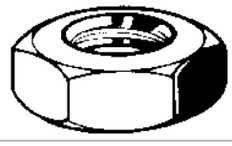


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M12	100	01580.120.001	M16	100	01580.160.001	M22	25	01580.220.001
M14	100	01580.140.001	M20	50	01580.200.001	M24	25	01580.240.001

- 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

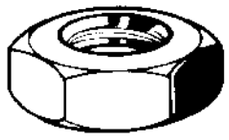


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M12	100	01586.120.001	M16	50	01586.160.001	M24	25	01586.240.001
M14	100	01586.140.001	M20	25	01586.200.001			

- 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.

51090 Hexagon thin nut — R09A

Thread Metric thread
Material Stainless steel A2
Class 70
Packaging Standard

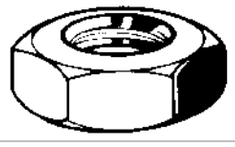


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M1,6	250	51090.016.001	M10	100	51090.100.001	M27	5	51090.270.001
M2	250	51090.020.001	M12	50	51090.120.001	M30	3	51090.300.001
M2,5	250	51090.025.001	M14	50	51090.140.001	M33 *	10	51090.330.001
M3	250	51090.030.001	M16	50	51090.160.001	M36	100	51090.360.001
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

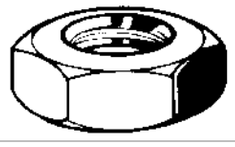


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M5	200	51093.050.001	M10	100	51093.100.001	M20	25	51093.200.001
M6	200	51093.060.001	M12	50	51093.120.001	M24	25	51093.240.001
M8	100	51093.080.001	M16	50	51093.160.001			

- 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

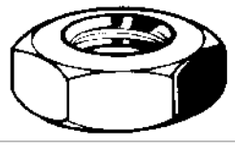


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M2	250	55090.020.001	M12	50	55090.120.001	M30	3	55090.300.001
M2,5	250	55090.025.001	M14	50	55090.140.001	M33 *	10	55090.330.001
M3	250	55090.030.001	M16	50	55090.160.001	M36 *	10	55090.360.001
M4	250	55090.040.001	M18	25	55090.180.001	M39 *	10	55090.390.001
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.

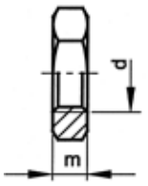
47030 Hexagon thin nut — M01C

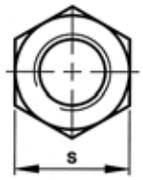
Thread Metric thread
Material Brass Cu2
Packaging Standard



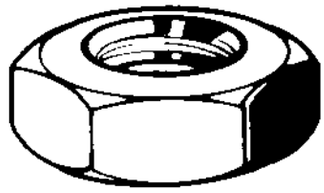
d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
M3	250	47030.030.001	M8	100	47030.080.001	M20	50	47030.200.001
M4	250	47030.040.001	M10	100	47030.100.001	M24	25	47030.240.001
M5	250	47030.050.001	M12	100	47030.120.001			
M6	250	47030.060.001	M16	50	47030.160.001			

Hexagon thin nut MF





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



Technical data

3

d	m	s
M8	4	13
M10	5	17
M12	6	19
M14	7	22
M16	8	24
M18	9	27
M20	10	30
M22	11	32
M24	12	36

d	m	s
M27	13,5	41
M28 (≠DIN)	14	41
M30	15	46
M32 (≠DIN)	16	50
M33	16,5	50
M35 (≠DIN)	17,5	55
M36	18	55
M38 (≠DIN)	19	60
M39	19,5	60

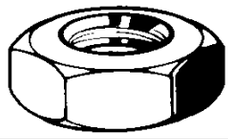
d	m	s
M40 (≠DIN)	20	60
M42	21	65
M45	22,5	70
M48	24	75
M52	26	80
M56 (≠DIN)	28	85
M64 (≠DIN)	32	95

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



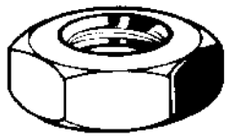
d x P	✉	Art.number
M8X1,00	100	11070.080.100
M10X1,25	100	11070.100.125
M12X0,75 (≠DIN)	100	11070.120.075
M12X1,00 (≠DIN)	100	11070.120.100
M12X1,25	100	11070.120.125
M12X1,50	100	11070.120.150
M14X1,00 (≠DIN)	100	11070.140.100
M14X1,25 (≠DIN)	100	11070.140.125
M14X1,50	100	11070.140.150
M16X1,00 (≠DIN)	50	11070.160.100
M16X1,50	50	11070.160.150
M18X1,00 (≠DIN)	25	11070.180.100
M18X2,00	25	11070.180.200
M20X1,00 (≠DIN)	25	11070.200.100
M20X1,50	25	11070.200.150
M20X2,00	25	11070.200.200
M22X1,00 (≠DIN)	25	11070.220.100
M22X1,50	25	11070.220.150
M22X2,00	25	11070.220.200

d x P	✉	Art.number
M24X1,50	25	11070.240.150
M24X2,00 (≠DIN)	25	11070.240.200
M27X1,50	10	11070.270.150
M27X2,00	10	11070.270.200
M30X1,50	10	11070.300.150
M30X2,00	10	11070.300.200
M32X1,50	10	11070.320.150
M32X2,00	5	11070.320.200
M33X1,50	5	11070.330.150
M33X2,00	5	11070.330.200
M35X1,50 (≠DIN)	3	11070.350.150
M36X1,50	3	11070.360.150
M36X3,00	3	11070.360.300
M38X1,50 (≠DIN)	3	11070.380.150
M39X1,50	3	11070.390.150
M39X2,00	3	11070.390.200
M39X3,00	3	11070.390.300
M40X1,50 (≠DIN)	3	11070.400.150

d x P	✉	Art.number
M40X2,00 (≠DIN)	3	11070.400.200
M42X1,50	3	11070.420.150
M45X1,50	1	11070.450.150
M45X2,00	1	11070.450.200
M45X3,00	1	11070.450.300
M48X1,50	1	11070.480.150
M48X2,00	1	11070.480.200
M48X3,00	1	11070.480.300
M52X1,50	1	11070.520.150
M52X2,00	1	11070.520.200
M52X3,00	1	11070.520.300
M56X2,00 (≠DIN)	1	11070.560.200
M56X4,00 (≠DIN)	1	11070.560.400
M64X1,50 (≠DIN)	1	11070.640.150
M64X2,00 (≠DIN)	1	11070.640.200
M64X4,00 (≠DIN)	1	11070.640.400

11074 Hexagon thin nut left hand thread — F01B

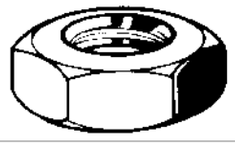
Thread Metric fine thread
Material Steel
Class 04
Packaging Standard



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

11380 Hexagon thin nut MF — F01B

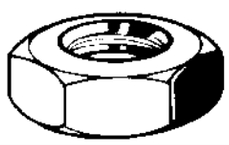
Thread Metric fine thread
Material Steel
Class 04
Surface treatment Zinc plated
Packaging Standard



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

11075 Hexagon thin nut left hand thread — F01B

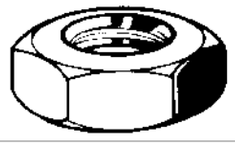
Thread Metric fine thread
Material Steel
Class 04
Surface treatment Zinc plated
Packaging Standard



d x P	✉	Art.number
M12X1,00 (≠DIN)	50	11075.120.100
M12X1,50	50	11075.120.150
M14X1,50	50	11075.140.150
M16X1,00 (≠DIN)	50	11075.160.100
M16X1,50	25	11075.160.150
M18X1,50	10	11075.180.150
M20X1,50	10	11075.200.150
M24X2,00	10	11075.240.200
M27X2,00	5	11075.270.200
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
M8X0,75 *	200	51092.080.075
M8X1,00	100	51092.080.100
M10X1,00	100	51092.100.100
M10X1,25	100	51092.100.125
M12X1,00 *	100	51092.120.100
M12X1,25	100	51092.120.125
M12X1,50	100	51092.120.150
M14X1,50	50	51092.140.150
M16X1,50	50	51092.160.150
M18X1,50	25	51092.180.150
M20X1,50	25	51092.200.150
M22X1,50	10	51092.220.150
M22X2,00 *	25	51092.220.200
M24X1,50	10	51092.240.150
M24X2,00	10	51092.240.200
M27X1,50	3	51092.270.150
M30X1,50	3	51092.300.150
M30X2,00	3	51092.300.200
M33X2,00 *	10	51092.330.200

3

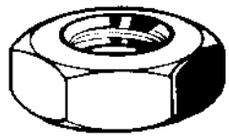
51092 Hexagon thin nut MF

d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number

- 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



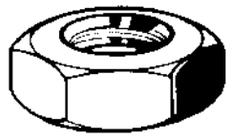
3

d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
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

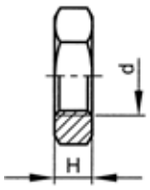
Thread Metric fine thread
Material Stainless steel A4
Class 70
Packaging Standard

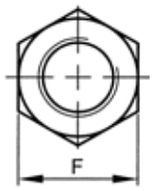


d x P	✉	Art.number	d x P	✉	Art.number	d x P	✉	Art.number
M8X1,00	100	55092.080.100	M16X1,50	50	55092.160.150	M27X1,50 *	25	55092.270.150
M10X1,00	100	55092.100.100	M18X1,50	25	55092.180.150	M27X2,00 *	25	55092.270.200
M10X1,25	100	55092.100.125	M20X1,50	25	55092.200.150			
			M22X1,50	10	55092.220.150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

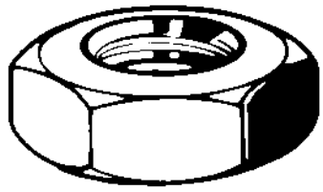
- Sizes with a diameter > M24 are minimal property class 50.

Jamnut turned UNC





ANSI ≈B18.2.2

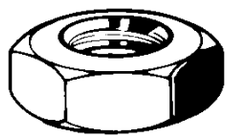


Technical data

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

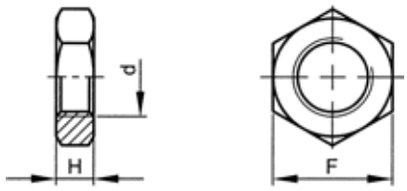
11840 Jamnut turned UNC **X09A**

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

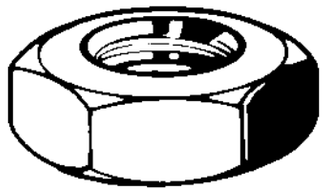


d	✉	Art.number	d	✉	Art.number	d	✉	Art.number
1/4	250	11840.063.001	1/2	100	11840.127.001	1.IN.	25	11840.254.001
5/16	250	11840.079.001	5/8	100	11840.158.001	1.1/8	10	11840.285.001
3/8	250	11840.096.001	3/4	50	11840.191.001	1.1/4	10	11840.317.001
7/16	100	11840.111.001	7/8	25	11840.222.001	1.1/2	5	11840.381.001

Jamnut turned UNF



ANSI ≈B18.2.2



Technical data

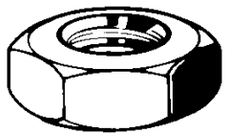
3

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			