

Nuts

Domed (Acorn) Nuts

Type	Material	Surface Treatment
FNT	SUS304 Equivalent	-

Hex nut section and the dome section are welded together.
JIS B 1183 (Type 3)

RoHS 10

Part Number	H	h	B	A(min)	T(min)	a (Approx)	r (Approx)	Unit Price	Volume Discount Rate
Type M (Coarse)								1 - 5 pc(s)	6 - 9 pc(s)
3	5.0	2.4	5.5	4.6	0.3	6.1	0.5		
4	6.2	3.2	7	5.6		8.1			
5	7.5	4	8	6.6	0.6	9.2			
6	9.5	5	10	8.5		11.5	0.5		
8	12.5	6.5	13	11.5	0.8	15			
10	15.5	8	17	14.5	1.0	19.6			
12	18.5	10	19	16.5	1.2	21.9			
16	24	13	24	21.5		27.7			
20	29	16	30	26.5		34.6			
24	35.5	19	36	32.5	2.0	41.6			

Ordering Example
Part Number
FNT20

With Knurled Heads

Type	Material	Surface Treatment
FRNT	S45C	Black Oxide
FRNTS	SUS304	-

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Part Number	D	T	E	B	FRNT	FRNTS
Type M (Coarse)						
3	12	3	5	0.5	6	
4	16	4	6	0.5	8	
5	20	5	8	0.5	10	
6	24	6	8	1	12	
8	30	8	10	1	16	
10	36	10	12	1	20	

For orders larger than indicated quantity, please check with WOS.
Ordering Example
Part Number - D - T
FRNT8 - 30 - 10

Quick-Lock Nuts

Type	Material	Surface Treatment
QCN	SUM22L	Black Oxide
QCNS	SUS303	-
QHN	S45C	Black Oxide
QHNS	SUS303	-

Round Type
QCN
QCNS

Hex Type
QHN
QHNS

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Part Number	D	M	H	S	d	C	Reference Tightening Torque N(kgf)/m	Unit Price
Type								
QCN	24	6	14	4	16	6.7	4.8(0.5)	
QCNS	30	8	17	5	20	8.7	9.0(0.9)	
	36	10	20	6	28	11.0	17.5(1.8)	
	40	12	24	8	32	13.7	17.5(1.8)	

Features and Precautions for Use
 • Long threaded screws can be tightened quickly.
 • Use at the reference tightening torque or less to avoid over tightening.
 • Move the nut to the tightening position after inserting a screw into the straight hole. Then rotate the knob perpendicular to the screw and tighten it.
 • Tightening strength is not adequate if the thread length of a screw (*) is shorter than the nut's H dimension. Design the thread length of a screw (*) to be larger than the H dimension.

Ordering Example
Part Number
QCN30
QHNS19

Cylindrical Nuts with Hex Socket

Type	Material	Hardness	Surface Treatment
RNSB	S45C	35-40HRC	Black Oxide
RNSM	S45C	35-40HRC	Electroless Nickel Plating
RNLB	S45C	35-40HRC	Black Oxide
RNLM	S45C	35-40HRC	Electroless Nickel Plating

Standard

Long

*Since D dimensions are made to correspond to the head diameter of hex socket head cap screws, counterbore tools can be used for recess holes. (For one size larger diameters, for example M4-M5.08.5)

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Part Number	D	L	L1	B	b	b1	C	Unit Price
Type								
RNSB, RNSM	4	8.5	5	10	4	3	8	
RNLB, RNLM	5	10	7	13	5	4	10	
	6	13	9	16	6	5	12	
	8	16	12	22	8	6.5	16.5	
	10	18	14	26	10	8	20	

Ordering Example
Part Number
RNSB6

Cylindrical Nuts

Type	Material	Surface Treatment
RBNT	SUS304	-

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Part Number	D	L	W	Unit Price
Type M				
3	6	8	1	
4	8	10		
5	10	11		
6	12	12	1.5	
8	14	16		
10	18	20	2	
12	20	24	2.5	

Ordering Example
Part Number
RBNT10

Flanged Nuts

Type	Material	Surface Treatment
FRNUT	SWCH10R	Trivalent Chromate
FRNSUT	SUS304 Equivalent	-

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Not serrated

Part Number	D	B	(e)	T	T1	FRNUT	FRNSUT
Type M							
3	0.5	8	5.5	6.3	3.7	1	
4	0.7	10	7	8	4.5	1.1	
5	0.8	12	8	9.2	5.5	1.1	
6	1	13	10	11.5	6	1.5	
8	1.25	17	12	13.8	7.5	1.5	
10	1.5	19	14	16.2	9	1.8	

Ordering Example
Part Number
FRNUTS

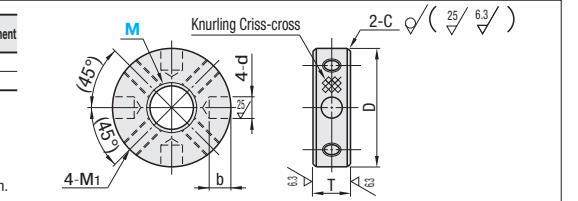
Knurled Thumb Nuts with Side Holes

Type	Material	Surface Treatment
CRNT	S45C	Black Oxide
CRNTS	S45C	Black Oxide
SCRNT	SUS304	-
SCRNTS	SUS304	-

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Features

- The nuts can be tightened with hex key wrenches using the holes, made to fit the wrenches, on the side.
- The tapped holes can be used for retaining set screws.
- Use in spaces where standard hex wrenches cannot reach.



Part Number	MxPitch	MxPitch	D	T	d	b	Applicable Hex Key Wrench Size	M1	C	Unit Price
Type										
CRNT (Coarse)	10x1.5	10x1.0	25	8	4.6	5	4	4	0.5	
CRNTS (Fine)	12x1.75	12x1.0	30	10	5.8	6	5	5		
SCRNT (Coarse)	16x2	16x1.5	38	12	6.9	7	6	6		
SCRNTS (Fine)	20x2.5	-	45	16	9.2	8	8	8		
	24x3	-	50	18	9	9	8	8		
	30x3.5	-	60	20	11.5	10	10	8		

Ordering Example
Part Number
CRNT10

T-Nuts

Type	Material	Surface Treatment
Standard Type	NTS	SS400
Configurable	NTSF	Trivalent Bright Chrome Plating
		Black Oxide

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Part Number	A	B	C	E	F	d1	Unit Price
Type M (Coarse)							
3	3.9	7	5	3	2.0	3.5	
4	4.8	8	6.5	4	2.5	4.5	
5	5.8	10	8	5	3	5.5	
6	7.7	13	9.5	6	3.5	7	
8	9.7	17	10.5	6	4.5	9	
10	11.7	22	12.5	7	5.5	11	
12	17.6	25	18.5	10	8.5	14	
16	21.6	32	24.5	14	10.5	18	
20	24.6	35	30.5	20	10.5	22	

Part Number	A	E	F	B	d1	Unit Price
Type M (Coarse)						
3				7	3.5	
4				8	4.5	
5				10	5.5	
6	3.9-17.6	3-10	2-8.5	13	7	
8				13	9	
10				16	11	
12				25	14	

Ordering Example
Part Number - A - E - F
NTS8
NTSF12 - A9.5 - E5.2 - F4.8