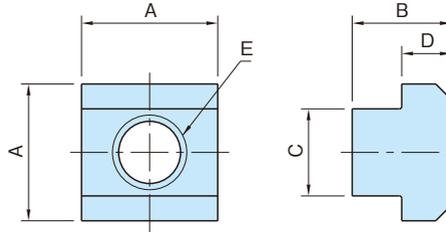


# BJ749

# T-SLOT NUTS



Type	Body
BJ749-06~20	Steel (S45C) Black oxide finish
BJ749-24	Steel Black oxide finish

## Standard-Threaded

品番	A	B	C ( $-0.2$ $-0.6$ )	D	E	weight (g)
BJ749-08010	15	12	10	6	M 8×1.25	15
BJ749-10012	18	14	12	7	M10×1.5	20
BJ749-12014	22	16	14	8	M12×1.75	35
BJ749-16018	28	20	18	10	M16×2	70
BJ749-20022	34	28	22	14	M20×2.5	155

## Smaller-Threaded

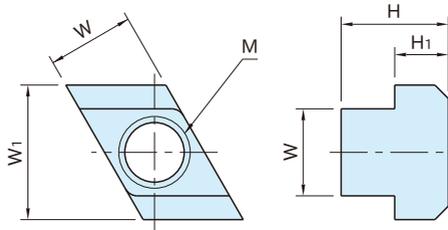
品番	A	B	C ( $-0.2$ $-0.6$ )	D	E	weight (g)
BJ749-06010	15	12	10	6	M 6×1	15
BJ749-08012	18	14	12	7	M 8×1.25	20
BJ749-10014	22	16	14	8	M10×1.5	35
BJ749-12018	28	20	18	10	M12×1.75	70

## How to Use

The smaller-threaded style is suitable for mounting of components with screws of smaller thread size. For example, use BJ749-12018 when you want to mount a component with M12 screw onto a BJ749-16018.

# BJ756

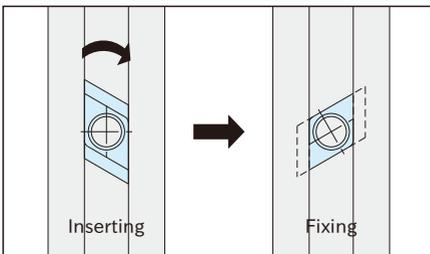
# QUICK-TURN T-SLOT NUTS



Body
Steel
Quenched and tempered
Black oxide finish

Part Number	W	M	W <sub>1</sub>	H	H <sub>1</sub>	Weight (g)
<b>BJ756-08010</b>	9.7	M 8X1.25	15	12	6	9
<b>BJ756-10012</b>	11.7	M10X1.5	18	14	7	11
<b>BJ756-12014</b>	13.7	M12X1.75	22	16	8	20
<b>BJ756-16018</b>	17.7	M16X2	28	20	10	45
<b>BJ756-20022</b>	21.7	M20X2.5	35	28	14	95
<b>BJ756-24028</b>	27.7	M24X3	44	36	18	215

## How To Use



Can be installed anywhere from the top of a T-slot.

# 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

Part Number	H	h	B	A(min.)	T(min.)	e (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	1.6	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	-

RoHS

Part Number	D	T	E	B	FRNT Unit Price	FRNTS Unit Price
Type M (Coarse)					1 - 49 pc(s)	50 - 500 pc(s)
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

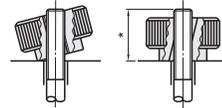
Type	Material	Surface Treatment
QCN	SUM22L	Black Oxide
QCNS	SUS303	-
QHN	S45C	Black Oxide
QHNS	SUS303	-

RoHS

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

Part Number	B	M	H	C	(e)	Reference Tightening Torque N(kgf)/m	Unit Price
Type							QHN QHNS
17	6	14	6.7	19.6	4.9(0.5)		
19	8	17	8.7	21.9	9.8(1.0)		
24	10	20	11.0	27.7	15.6(1.6)		
27	12	24	13.7	31.2	19.6(2.0)		

- 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
Standard	S45C	35-40HRC	Black Oxide
Long			Electroless Nickel Plating
RNSB	RNLB		
RNSM	RNLM		

RoHS

\*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)

Part Number	D	L	L1	B	b	b1	C	Unit Price
Type M (Coarse)								RNSB, RNSM RNLB, RNLM
4	8.5	5	10	4	3	8	0.3	
5	10	7	13	5	4	10		
6	13	9	16	6	5	12		
8	16	12	22	8	6.5	16.5	0.5	
10	18	14	26	10	8	20		

Ordering Example  
Part Number  
RNSB6

## Cylindrical Nuts

Type	Material	Surface Treatment
RBNT	SUS304	-

RoHS

Part Number	M	D	L	W	Unit Price
Type					
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
FRSNUT	SUS304 Equivalent	-

RoHS

Not serrated

Part Number	M	D	B	(e)	T	T1 (Min.)	FRNUT Unit Price	FRSNUT Unit Price
Type							1 - 49 pc(s)	50 - 500 pc(s)
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

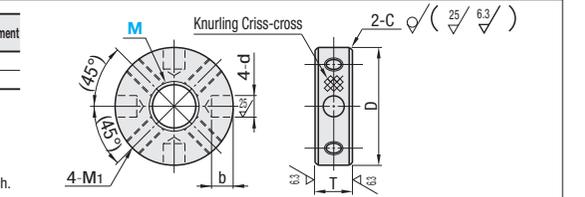
## Knurled Thumb Nuts with Side Holes

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

RoHS

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 Coarse	MxPitch Fine	D	T	d	b	Applicable Hex Key Wrench Size	M1	C	Unit Price
Type										CRNT CRNTS SCRNT SCRNTS
10	10x1.5	10x1.0	25	8	4.6	5	4	4	0.5	
12	12x1.75	12x1.0	30	10	5.8	6	5	5		
16	16x2	16x1.5	38	12	6.9	7	6			
20	20x2.5	-	45	16	9.2	8	8	6		
24	24x3	-	50	18	9	9	8	1		
30	30x3.5	-	60	20	11.5	10	10	8		

Ordering Example  
Part Number  
CRNT10

## T-Nuts

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

RoHS

Part Number	A	B	C	E	F	d1	Unit Price
Type M (Coarse)							1 - 49 pc(s)
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	20	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)						1 - 9 pc(s)
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

A < B

# Tapered Washers / Tapered Nuts / Square Nuts / Square Washers

**Tapered Washers**

Type	Material	Surface Treatment
ZTQ	SS400	Trivalent Bright Chromate Plating
ZTQM	S45C	Trivalent Chromate

RoHS

**Tapered Nuts**

ZTN

Material: SS400  
Surface Treatment: Trivalent Bright Chromate Plating

RoHS

Part Number	Type	Angle $\alpha$	d	D	Angle 3°		Angle 5°		Angle 8°		ZTQ		ZTQM	
					t1	t2	t1	t2	t1	t2	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
6	ZTQ ZTQM	3	7	16	1.2	2	1.6	3	1.7	4	1 - 49 pcs(s)	50 - 200 pcs.	1 - 49 pcs(s)	50 - 100 pcs.
8					1.1	2	1.4	3	1.7	4				
10					1.8	3	2	1.9	5					
12					1.6	3	1.7	2.3	6					
16					3.3	5	3.2	3.5	8					
20					2.9	5	2.5	3.4	9					
24	3.3	6	3.5	3.7	11									

Part Number	Type	M (Coarse)	Angle $\alpha$	D	Angle 3°		Angle 5°		Angle 8°		d	Unit Price	Volume Discount Rate
					t1	t2	t1	t2	t1	t2			
6	ZTN	3	16	5	5.8	5	6.4	5	7.2	7	1 - 49 pcs(s)	50 - 100 pcs.	
8					6.5	7.4	6.5	8.1	6.5	9	9		
10					8	9.2	8	9.9	8	11.1	11		
12					10	11.3	10	12.2	10	13.5	13		
16					13	14.7	13	15.8	13	17.5	17		

Ordering Example: Part Number - **ZTQ6** - **5**

**Square Nuts**

NSQ

Material: SS400  
Surface Treatment: Trivalent Bright Chromate Plating

RoHS

Part Number	Type	M (Coarse)	L	B	T	Unit Price		Volume Discount Rate
						1 - 49 pcs(s)	50 - 500 pcs.	
4	NSQ	3	7	7	3.2			
5			8	8	4			
6			16	10	4.5			
8			42	15.5	6			

Ordering Example: Part Number - **NSQ8**

\*For orders larger than indicated quantity, please check with WDS.

**Square Nuts, Square Washers - Dim. Configurable 1-Hole**

Type	Material	Surface Treatment	
Nuts: FKT, FKWB, FKTB, FKTS	Washers: FKW, FKWB, FKWS	S45CD, S45C, SUS304	- , Black Oxide, -

RoHS

Part Number	Type	B	1mm Increment	0.5mm Increment	M (Coarse)	T	Unit Price		
							FKT	FKTB	FKTS
16	Nuts	16	50	M/2+2P≤A-M/2-2	6	6			
22					8	6			
25					10	9			
38					12	10			

Part Number	Type	B	1mm Increment	0.5mm Increment	D Selection	Unit Price				
						FKW	FKWB	FKWS		
16	Washers	16	50	D/2+2P≤A-D/2-2	7	9				
22					7	9				
25					7	9	11	14		
38					7	9	11	14		

Ordering Example: Part Number - **FKW16** - **A20** - **P10** - **D7**

**Square Nuts, Square Washers 2-Hole**

Type	Material	Surface Treatment	
Nuts: FK2T, FK2TB, FK2TS	Washers: FK2W, FK2WB, FK2WS	S45CD, S45C, SUS304	- , Black Oxide, -

RoHS

Part Number	Type	B	A	P	M	T	Unit Price				Volume Discount Rate			
							1 - 4 pc(s)	5 - 9 pcs.	10 - 49 pcs.	50 - 200 pcs.				
Nuts FK2TS	10	10	25	15	2	3								
			30	20	3	3								
			35	25	3	3								
			50	40	3	3								
			30	15	6	6								
			40	20	6	6								
	16	16	50	30	6	6								
			60	40	6	6								
			120	100	6	6								

Ordering Example: Part Number - **FK2TS10** - **A25** - **P15**

Part Number	Type	B	1mm Increment			M (Coarse)	T
			A	P			
6	Nuts FK2T FK2TB FK2TS	10	30-200	2M≤P≤A-2M	3	2	
10					3	3	
16					6	6	
22					8	6	
25					10	9	
38					12	10	

Part Number	Type	B	1mm Increment			D Selection	T			
			A	P						
6	Washers FK2W FK2WB FK2WS	10	30-200	2D≤P≤A-2D	4		2			
10					4	6	3			
16						7	9	6		
22						7	9	6		
25						7	9	11	14	6
38						7	9	11	14	6

B	Type	Unit Price			
		A30-50	A51-100	A101-150	A151-200
6	FK2TS				
10	FK2TS				
16	FK2TB				
	FK2TS				
	FK2T				
22	FK2TB				
	FK2TS				
	FK2T				
25	FK2TB				
	FK2TS				
	FK2T				
38	FK2TB				
	FK2TS				
	FK2T				

B	Type	Unit Price			
		A30-50	A51-100	A101-150	A151-200
6	FK2WS				
10	FK2WS				
16	FK2W				
	FK2WB				
	FK2WS				
22	FK2W				
	FK2WB				
	FK2WS				
25	FK2W				
	FK2WB				
	FK2WS				
38	FK2W				
	FK2WB				
	FK2WS				

Ordering Example: Part Number - **FK2T16** - **A40** - **P25**  
**FK2WS25** - **A50** - **P20** - **D7**