

Tapered Washers / Tapered Nuts / Square Nuts / Square Washers

Tapered Washers

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

RoHS10

Tapered Nuts

RoHS10

Material: SS400
Surface Treatment: Trivalent Bright Chromate Plating

Part Number	Type	No.	Angle α	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	6		7	16	1.2	2	1.6	3	1.7	4				
8	ZTQ	8	3	9	18	1.1	2	1.4		1.5					
10	ZTQ	10	5	11	22	1.8	3	2		1.9	5				
12	ZTQ	12	5	14	26	1.6	3	1.7	4	2.3	6				
16	ZTQ	16	8	18	32	3.3	5	3.2	6	3.5	8				
20	ZTQ	20	8	21	40	2.9	5	2.5	6	3.4	9				
24	ZTQ	24	8	27	52	3.3	6	3.5	8	3.7	11				

Part Number	Type	M (Coarse)	Angle α	D	Angle 3°		Angle 5°		Angle 8°		d	Unit Price	Volume Discount Rate
					t1	t2	t1	t2	t1	t2			
6	ZTN	6		16	5	5.8	5	6.4	5	7.2	7		
8	ZTN	8	3	18	6.5	7.4	6.5	8.1	6.5	9	9		
10	ZTN	10	5	22	8	9.2	8	9.9	8	11.1	11		
12	ZTN	12	8	26	10	11.3	10	12.2	10	13.5	13		
16	ZTN	16	8	32	13	14.7	13	15.8	13	17.5	17		

Ordering Example
Part Number: ZTQ6 - 5

Square Nuts

RoHS10

Material: SS400
Surface Treatment: Trivalent Bright Chromate Plating

Part Number	Type	M (Coarse)	L	B	T	Unit Price	Volume Discount Rate
4	NSQ	4	7	7	3.2		
5	NSQ	5	8	8	4		
6	NSQ	6	16	10	4.5		
8	NSQ	8	42	15.5	6		

Ordering Example
Part Number: NSQ8

For orders larger than indicated quantity, please check with WOS.

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

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

RoHS10

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

Part Number	Type	B	1mm Increment A	0.5mm Increment P	D Selection	Unit Price
16	Washers	16			7 9	
22	Washers	22			7 9	
25	Washers	25	16-50	D/2+2P≤A-D/2-2	7 9 11 14	
38	Washers	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	-
		S45CD	Black Oxide
		SUS304	-

RoHS10

Dimension Fixed

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

Ordering Example
Part Number: FK2TS10 - A25 - P15

Dimension Configurable

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

Part Number	Type	B	1mm Increments A	P	D Selection	T	Unit Price
4	Washers	4			4	2	
6	Washers	6			4 6	3	
7	Washers	7	30-200	2D≤P≤A-2D	7 9	6	
9	Washers	9			7 9	6	
11	Washers	11			7 9 11 14	6	
14	Washers	14			7 9 11 14	6	

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

B	Part Number	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