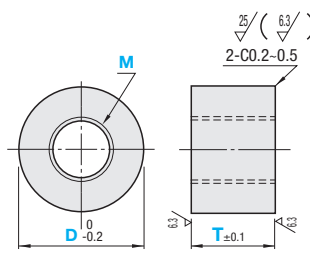


# Metal Washer

Tapped



T Dimension Selectable	T Dimension Configurable	Dimension Configurable	M Material	S Surface Treatment
Coarse Thread	Coarse Thread	Coarse Thread		
-	-	FWTAC	S45C Equivalent	-
WTAB	TWTAB	FWTAB		Black Oxide
WTAM	TWTAM	FWTAM		Electroless Nickel Plating
-	-	FWTAA	2000Series Aluminum Alloy	Clear Anodize
WTAS	TWTAS	FWTAAAB		Black Anodize
		FWTAS	SUS304	-



M	Pitch
Coarse Thread	
2	0.4
2.6	0.45
3	0.5
4	0.7
5	0.8
6	1.0
8	1.25
10	1.5
12	1.75
16	2.0
20	2.5
24	3.0
30	3.5

## T Dimension Selectable

Part Number	Type	D	M Selection					T Selection				Unit Price			
			2	3	4	5	6	3	5	8	10	WTAB	WTAM	WTAS	
WTAB WTAM WTAS	10	2	3	4	5										
	12			4	5	6									
	16				5	6	8								
	20					6	8	10							
	30						8	10	12						
	40							10	12	16					
	50									16	20				
	60										16	20			

## T Dimension Configurable

Part Number	Type	D	M Selection					T
			2	3	4	5	6	0.5mm Increment
TWTAB TWTAM TWTAS	6	2	3	4				3.0-20.0
	8	2	3	4				
	10	2	3	4	5			
	12			4	5	6		
	16				5	6	8	3.5-20.0
	20					6	8	10
30						8	10	12

Ⓣ ≤ Mx8      Ⓜ2 → Ⓣ ≤ Mx5

Part Number	Type	D	T	Unit Price		
			0.5mm Increment	TWTAB	TWTAM	TWTAS
TWTAB TWTAM TWTAS	6-10	3.0- 5.0				
		5.5-10.0				
		10.5-20.0				
12, 16	3.5- 5.0					
	5.5-10.0					
	10.5-20.0					
20, 30	3.5- 5.0					
	5.5-10.0					
		10.5-20.0				

## Dimension Configurable

Part Number	D	M Selection	T	Unit Price				
				0.5mm Increment	FWTAC	FWTAB	FWTAM	FWTAA
6-10 (0.5mm Increment)			3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
10.5-20.0 (0.5mm Increment)			40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
			20.5-30.0					
21-30 (1mm Increment)		2 (3 ≤ T ≤ 10)	30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
31-40 (1mm Increment)		2.6 (3 ≤ T ≤ 13)	20.5-30.0					
			30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
41-50 (1mm Increment)		3 (3 ≤ T ≤ 24)	10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
51-60 (1mm Increment)		4 (3 ≤ T ≤ 32)	5.5-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
61-80 (1mm Increment)		5 (3 ≤ T ≤ 40)	3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
81-100 (1mm Increment)		6 (3 ≤ T ≤ 48)	40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
			20.5-30.0					
		8 (4 ≤ T ≤ 50)	30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
			10.5-20.0					
		10 (5 ≤ T ≤ 50)	20.5-30.0					
			30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
			5.5-10.0					
		12 (6 ≤ T ≤ 50)	10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
			3.0- 5.0					
		16 (6 ≤ T ≤ 50)	5.5-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
		20 (8 ≤ T ≤ 50)	5.0-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
		24 (10 ≤ T ≤ 50)	5.0-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					
		30 (12 ≤ T ≤ 50)	5.0-10.0					
			10.5-20.0					
			20.5-30.0					
			30.5-40.0					
			40.5-50.0					

Ⓣ (D-M) / 2 ≥ 2      Ⓣ ≤ Mx8      Ⓜ2, Ⓜ2.6 → Ⓣ ≤ Mx5



Ordering Example

Part Number	D	M	T
WTAB12	-	6	5
TWTAB12	-	6	5.5
FWTAM	- D20	M5	T4.5



Alterations

Part Number	D	M	T	(WSC)
FWTAS	- D15	M6	T15	- WSC10

Alteration	Code	Spec.
	WSC	Adds two flats. Ordering Code WSC10 WSC=1mm Increment WSC <sub>2</sub> =M+4 ⊗ Not available for D6 ~ D8. ⊗ Not available for T Dimension Selectable/Configurable Type.