



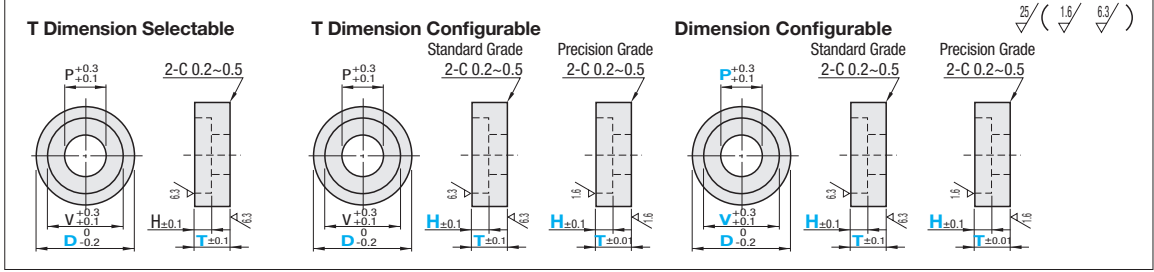
# Metal Washer

## Counterbored

Standard Grade	T Tolerance ±0.1		Precision Grade		Material	Surface Treatment	Hardness
	T Dimension Selectable	T Dimension Configurable	T Dimension Configurable	T Dimension Configurable			
-	-	FWZASS	-	FWZSC	Steel for General Structure	-	-
WZAB	TWZAB	FWZAB	TWZSB	FWZSB	S45C Equivalent	Black Oxide	-
WZAM	TWZAM	FWZAM	TWZSM	FWZSM		Electroless Nickel Plating	-
-	-	FWZAAAB	-	-	2000series Aluminum Alloy	Clear Anodize	-
WZAS	TWZAS	FWZAS	TWZSS	FWZSS	SUS304	Black Anodize	-
WZABH	-	FWZACH	-	-	S45C Equivalent	Black Oxide	45~50HRC
WZAMH	-	FWZABH	-	-		Electroless Nickel Plating	
-	-	FWZAMH	-	-	SKS3 Equivalent	-	55HRC~
-	-	FWZASKB	-	-		Black Oxide	
-	-	FWZASKM	-	-		Electroless Nickel Plating	
WZASH	-	FWZASH	-	-	SUS440C or 13Cr stainless	-	45~50HRC

Ⓜ Depending on thickness and length, S45C Hardened Type may be less than 45HRC. Ⓜ Stainless Steel Hardened Type (WZASH, FWZASH) may be discolored by hardening.



### T Dimension Selectable

Part Number	Type	D	H	T Selection			V	P	Unit Price					
				6	8	10			WZAB	WZAM	WZAS	WZABH	WZAMH	WZASH
10	WZAB	10	4	6	8	10	6	3.5						
12	WZAB	12	5		8	10	8	4.5						
14	WZAM	14	6		8	10	10	5.5						
15	WZAS	15	8			10	11	6.5						
20	WZABH	20	8			10	12	15						
30	WZAMH	30	10			12	15							
40	WZAMH	40	12				15	20						
50	WZASH	50	12				15	20						
60	WZASH	60	12				15	20						

### T Dimension Configurable

Part Number	Type	D	H	T	V	P	Unit Price					
							Standard Grade			Precision Grade		
							TWZAB	TWZAM	TWZAS	TWZSB	TWZSM	TWZSS
Standard Grade	TWZAB	10	1.0~18.0	3.0~10.0	6	3.5						
				10.5~20.0								
				3.0~10.0			8	4.5				
10.5~20.0												
3.0~10.0	10	5.5										
10.5~20.0												
3.0~10.0			11	6.5								
10.5~20.0												
3.0~10.0	14	9										
10.5~20.0												
3.0~10.0												

Ⓜ Machining Conditions: H+2≤T≤Px8



**Ordering Example**  
 • T Dimension Selectable  
 Part Number -   
 WZAS15 - 10  
 • T Dimension Configurable  
 Part Number -  -   
 TWZAB10 - 3.5 - 10.0