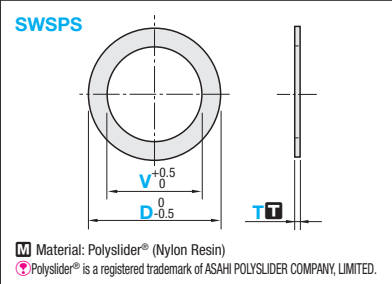


Extra Thin Resin Washers / Extra Thin Resin Washer Bulk Packages

Extra thin washer with excellent low friction and abrasion resistance.



Part Number	Type	D	V	T	Unit Price
SWSPS	8	3 4 5			
	10	4 5 6			
	12	4 5 6 8		0.13	
	14	5 6 8 10		0.25	
	15	5 6 8 10 12		0.5	
	16	6 8 10 12		1.0	
	20	6 8 10 12 15 16			
	25	6 8 10 12 15 16 20		0.25	
				0.5	

Material: Polyslider® (Nylon Resin)
Polyslider® is a registered trademark of ASAHI POLYSLIDER COMPANY, LIMITED.

Tolerance

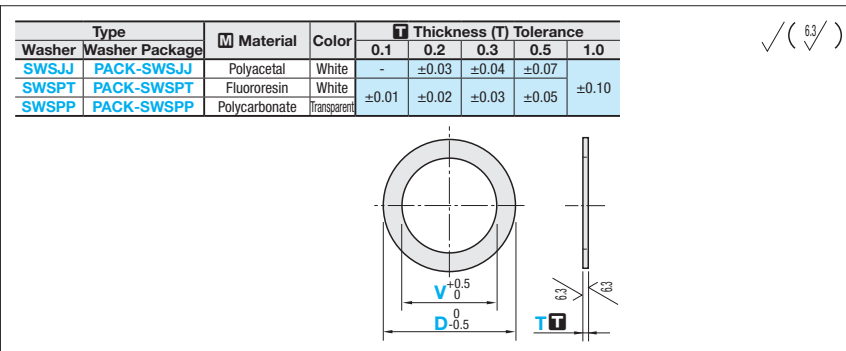
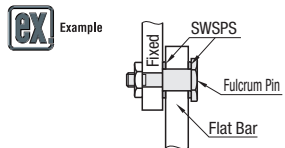
Thickness (T) Tolerance	0.13	0.25	0.5	1.0
	±0.013	±0.025	±0.05	±0.1

Comparison Table

Item	Polyslider®	Fluororesin
Abrasion Resistance	○	○
Compression Strength	○	×
Sliding Properties	○	○
Characteristics	Crush and abrasion resistant.	Low friction and not crush resistant.

Property Data

Item	Unit	Value
Tensile Strength	MPa	98
Elongation	%	60
Friction Coefficient	μ	0.16~0.4
Insulation Resistance	kV/mm	45



Type	Washer Package	Material	Color	Thickness (T) Tolerance
SWSJJ	PACK-SWSJJ	Polyacetal	White	0.1 ±0.03, 0.2 ±0.04, 0.3 ±0.07, 0.5 ±0.07, 1.0 ±0.10
SWSPT	PACK-SWSPT	Fluororesin	White	
SWSPS	PACK-SWSPS	Polycarbonate	Transparent	

When you need large quantities, Bulk Packages are more economical. PACK-SWS□□ contains 10 pieces.

Part Number	Type	D	V Selection	T Selection	Unit Price
PACK-SWSJJ PACK-SWSPT SWSJJ SWSPT	8	0	3 4		
	10	0	3 4 5 6		
	12	0	4 5 6 8		
	14	0	4 5 6 8 10		
	15	0	4 5 6 8 10 12		
	16	0	4 5 6 8 10 12		*0.1
	20	0	5 6 8 10 12 15 16		0.2
	25	0	6 8 10 12 15 16 20		0.3
	30	0	8 10 12 15 16 20 25		0.5
	35	0	10 12 15 16 20 25 30		1.0
40	0	10 12 15 16 20 25 30			
50	0	12 15 16 20 25 30 35 40			

*PACK-SWSJJ and SWSJJ are not available for T0.1.

Part Number	Type	D	V Selection	T Selection	Unit Price
PACK-SWSPP SWSPS	8	0	3 4		
	10	0	3 4 5 6		
	12	0	4 5 6 8		
	15	0	5 6 8 10		0.1
	16	0	5 6 8 10 12		0.2
	20	0	6 8 10 12 15 16		0.3
	25	0	6 8 10 12 15 16		0.5
	30	0	8 10 12 15 16 20		1.0
	35	0	20 25 30		
	40	0	20 25 30		
50	0	30 35 40			

For package, minimum order unit is 1 pack.

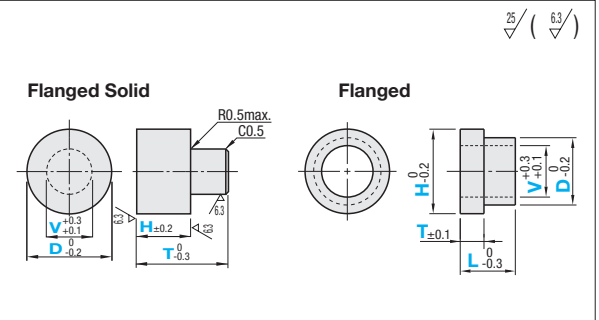
Ordering Example

Part Number	V	T
PACK-SWSJJ8	3	0.5
SWSPS8	3	0.5

Resin Washer Flanged Solid / Flanged



Flanged Solid	Flanged	Material	Color
FWNJJ	FWHJ	Polyacetal	White
FWNJK	FWHJK	MC Nylon Standard Grade	Black
FWNJM	FWHJM	MC Nylon Standard Grade	Blue
FWNJW	FWHJW	MC Nylon Standard Grade	Ivory
FWNJD	FWHJD	MC Nylon Conductive Grade	Black
FWNJT	FWHJT	MC Nylon Conductive Grade	Black
FWNJB	FWHJB	Bakelite	Paper Base Natural Color
FWNJB	FWHJB	Bakelite	Dark Base Natural Color
FWNJJ	FWHJJ	Fluororesin	White
FWNJF	FWHJF	PEEK	Gray
FWNJE	FWHJE	Epoxy Glass	Green



Material Properties P.141

Flanged Solid

Part Number	D	V 0.5mm Increment	H 0.5mm Increment	T 0.5mm Increment	Unit Price																		
					FWNJJ	FWNJK	FWNJM	FWNJW	FWNJD	FWNJT	FWNJB	FWHJJ	FWHJF	FWHJE									
FWNJJ FWNJK FWNJM FWNJW FWNJD FWNJT FWNJB FWHJJ FWHJF FWHJE	6.0-10.0 (0.5mm Increment)	2.0-8.0			3.0-10.0																		
					10.5-20 (0.5mm Increment)	4.0-18.0	2.0-28.0	3.0-10.0															
					21-30 (1mm Increment)	10.0-28.0		10.5-20															
FWNJJ FWNJK FWNJM FWNJW FWNJD FWNJT FWNJB FWHJJ FWHJF FWHJE	31-40 (1mm Increment)	15.0-38.0	2.0-38.0		5.0-10.0																		
					10.5-20																		
					20.5-30																		
FWNJJ FWNJK FWNJM FWNJW FWNJD FWNJT FWNJB FWHJJ FWHJF FWHJE	41-50 (1mm Increment)	20.0-48.0	2.0-48.0		10.0-20.0																		
					20.5-30																		
					30.5-40																		
FWNJJ FWNJK FWNJM FWNJW FWNJD FWNJT FWNJB FWHJJ FWHJF FWHJE	51-60 (1mm Increment)	30.0-58.0	2.0-48.0		10.0-20.0																		
					20.5-30																		
					30.5-40																		

Machining Conditions V≤D-2, V×3≥T-H≥1, V≤2.5→T≤10, V=3.0→T≤20

Flanged

Part Number	D	H	V 0.5mm Increment (V3 or More)	T 0.5mm Increment	L 0.5mm Increment	Unit Price																	
						FWHJ	FWHJK	FWHJM	FWHJW	FWHJD	FWHJT	FWHJB	FWHJJ	FWHJF	FWHJP	FWHJE							
FWHJ FWHJK FWHJM FWHJW FWHJD FWHJT FWHJB FWHJJ FWHJF FWHJP FWHJE	4.0-10 (0.5mm Increment)	6.0-20 (0.5mm Increment)	0 2.0 2.6 3.0-55.0	1.0-8.0	2.0-5.5 6.0-10.0 2.0-5.5 6.0-10.0 2.0-5.5 6.0-10.0 2.0-5.5 6.0-10.0 2.0-5.5 6.0-10.0 2.0-5.5 6.0-10.0																		
						10.5-20 (0.5mm Increment)	12.5-30 (0.5mm Increment)																
	21-30 (1mm Increment)	23-40 (1mm Increment)																					
	31-40 (1mm Increment)	33-50 (1mm Increment)																					
	41-50 (1mm Increment)	43-60 (1mm Increment)																					
	51-60 (1mm Increment)	53-70 (1mm Increment)																					

Machining Conditions H-D≥2, D-V≥2, L-T≥1, For FWHJT, FWHJF, FWHJP and FWHJE, H≤50

Ordering Example

Part Number	D	H	V	T	L
FWHJN	D20	H30	V10.5	T2.5	L8.5

