


# Resin Pushers

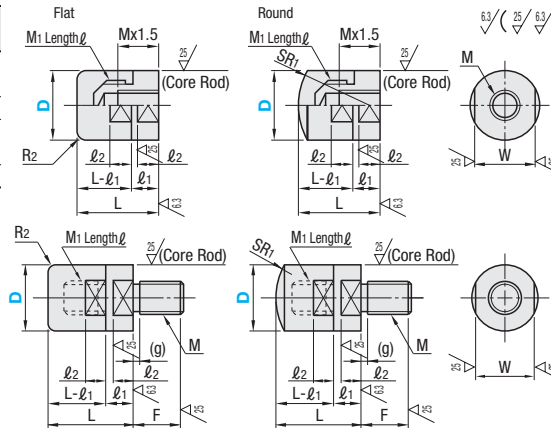
## Standard Type

■ Features: MC nylon used pushers. For maintenance, resin for replacement is provided.



Type	Shape		Material
	Flat	Round	
MC Nylon	Tapped	PSHMC RSHMC	MC Nylon Material: SUS304
	Threaded	PSHMMC RSHMMC	
Polyacetal	Tapped	PCKK MCRKK	MC Nylon
	Threaded	PSHPA RSHPA	Polyacetal Material: SUS304
	Replacement Resin	PAKK PARKK	Polyacetal

ℓ<sub>2</sub> (resin with wrench flats) for D6 and D8 is as follows.



■ Tapped

⊙ Positions of the flats on resin and core rod may not coincide. ⊙ Tap depth for replacement resin is ℓ.

Part Number	Type	D	L	MxPitch	MxPitch	ℓ	SR1	R2	ℓ <sub>1</sub>	ℓ <sub>2</sub>	W	Unit Price			
												MC Nylon		Polyacetal	
				Set	Replacement Resin	Set	Replacement Resin								
Set Flat Replacement Resin Flat PSHMC PSHPA RSHMC RSHPA MCKK PAKK MCRKK PARKK	8	12	M3x0.5	M5x0.8	4.5	8	1	5	4	7					
	10	15	M4x0.7	M6x1.0	7	10	2	6	5	14					
	12	16	M5x0.8	M8x1.25	8	12	3	8	6	17					
	15	20	M6x1.0	M10x1.5	10	16	3	10	8	22					
	16	20	M8x1.25	M12x1.75	12	20	3	10	8	27					
	25	30	M10x1.5	M16x2.0	14	25	3	10	8	27					

■ Threaded

Part Number	Type	D	L	MxPitch (Coarse)	MxPitch (Fine)	ℓ	SR1	R2	F (g)	ℓ <sub>1</sub>	ℓ <sub>2</sub>	W	Unit Price			
													MC Nylon		Polyacetal	
				Set	Replacement Resin	Set	Replacement Resin									
Set Flat Replacement Resin Flat PSHMMC MCKK PSHMPA PAKK RSHMMC MCRKK RSHMPA PARKK	6	10	M3x0.5	M3x0.5	3	6	1	4.5	1.5	5	4	5				
	8	12	M4x0.7	M5x0.8	4.5	8	2	6	2	6	5	7				
	10	15	M5x0.8	M6x1.0	7	10	2	7	2	6	5	8				
	12	16	M6x1.0	M8x1.25	8	12	2	10	2	6	5	10				
	15	20	M8x1.25	M10x1.5	10	16	2	12	2.5	6	5	14				
	16	20	M10x1.5	M12x1.75	12	20	3	14	2.5	6	5	17				

Ordering Example  
Part Number  
PSHMC20  
MCRKK12

### Specifications

- Properties of MC nylon and polyacetal
- MC nylon: Excels in abrasion resistance compared with polyacetal.
- Polyacetal: Excels in mechanical strength compared with MC nylon.

Item	Abrasion Resistance	Slip Property	Dimensional Stability	Impact Resistance	Flame Resistance	Chemical Resistance.		
						Oil	Acid	Alkali
MC Nylon	○	○	△	○	-	○	×	○~△
MC Nylon Electrical Conductivity CDR2	○	○	△	○	-	○	×	○~△
Polyacetal	△	○	○	○	[UL94] HB Equivalent	○	△~×	○


Item	Tensile Strength (at ambient temperature)	Elongation	Bending Strength	Compressive Strength	Rockwell Hardness (R Scale)	Continuous Operating Temperature	Volume Specific Resistivity (Ω · cm)	Density	Moisture Absorption	
									Water, Balanced	Water, 24hs
Test Method ASTM	D-638	D-790	D-695	D-785	D-785	-	D-257	D-792	D-570	
MC Nylon	96MPa	30%	110MPa	103MPa	95MPa	120	4.2x10 <sup>15</sup>	1.16	6	0.8
MC Nylon Electrical Conductivity CDR2	68MPa	10%	117MPa	-	98MPa	119	10 <sup>12</sup> x10 <sup>4</sup>	1.20	-	-
Polyacetal	61MPa	40%	89MPa	-	103MPa	119	>10 <sup>14</sup>	1.41	0.7	0.22

⊙ For detailed Properties, see P.953.

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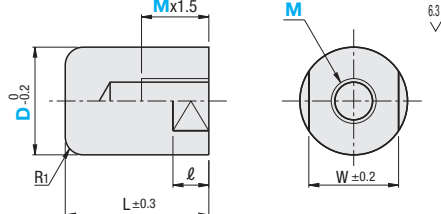
## Thread Insert

■ L Fixed



Type	Material	Color	Thread
JPHJ	Polyacetal	White	Thread Insert (SUS304)
JPHM	MC Nylon Electrical Conductivity CDR2	Black	
JPHMC	MC Nylon	Blue	

⊙ Properties of polyacetal and MC nylon, see P.1557.




Part Number	Type	D	L	R1	ℓ	W	Unit Price		
							JPHJ	JPHM	JPHMC
JPHJ JPHM JPHMC	M Selection	8	12	1	8	7			
		10	15	1	8	8			
		12	16	2	10	10			
		15	20	2	14	14			
		16	20	2	14	14			
		18	25	3	17	17			
		20	25	3	17	17			
		30	35	3	20	20			
		40	45	3	27	27			

⊙ 8S, 10S, 12, 12S, 14S and 18S are fine thread pitch. For thread details, refer to the right. ⊙ 12M is course thread pitch.

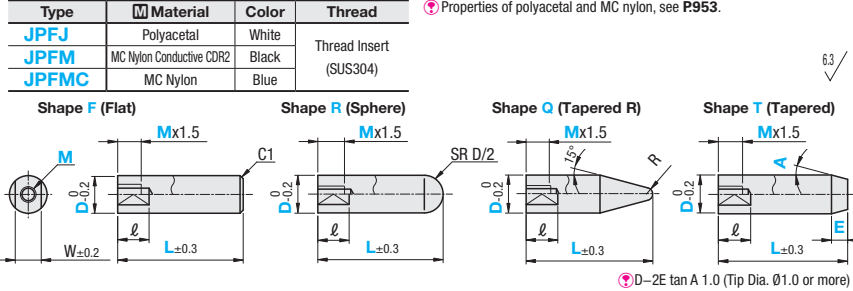
Ordering Example  
Part Number - M  
JPHJ10 - 4

■ Shape Selectable and L Configurable



Type	Material	Color	Thread
JPFJ	Polyacetal	White	Thread Insert (SUS304)
JPFM	MC Nylon Conductive CDR2	Black	
JPFMC	MC Nylon	Blue	

⊙ Properties of polyacetal and MC nylon, see P.953.



Part Number	Type	Shape	D	L	1mm Increment	M Selection	Tapered Type only		R	ℓ	W
							E 0.5mm Increment	A 1° Increment			
JPFJ (Polyacetal) JPFM (MC Nylon Conductive CDR2) JPFMC (MC Nylon)	F R Q* T		6	10(17)~50	3				1	5	
			8	12(19)~50	3 4			1.5	8	7	
			10	15(22)~50	3 4 5				8		
			12	16(27)~100	4 5 6				10		
			15	20(35)~100	5 6 8S 8				14		
			16	20(35)~100	6 8S 8				17		
			18	25(40)~100	6 8S 8 10S 10				20		
			20	25(40)~100	8S 8 10S 10 12S 12 12M						
			30	35(63)~100	10S 10 12S 12 12M 14S 18S						
			40	45(87)~100	10S 10 12S 12 12M 14S 18S						

\* Dimensions in ( ) are the minimum L dimensions when shape Q is selected. ⊙ 8S, 10S, 12, 12S, 14S and 18S are fine thread pitch. For thread details, refer to the right. ⊙ 12M is course thread pitch.

Ordering Example  
Part Number  
Type Shape D - L - M - E - A  
JPFJ R 12 - 40 - 6  
JPFMC T 12 - 35 - 5 - E8 - A15

• Thread

M	MxPitch
3	M3x0.5
4	M4x0.7
5	M5x0.8
6	M6x1.0
8	M8x1.0
8S	M8x1.25
10	M10x1.25
10S	M10x1.5
12	M12x1.25
12S	M12x1.5
15	M15x1.5
16	M16x1.5
18	M18x1.5
20	M20x1.5
30	M30x1.5
40	M40x1.5

D	L Min. ~ 59				Unit Price				
	JPFJ	JPFM	JPFMC	JPFJ	JPFM	JPFMC	Machining Charge (Body Price +)		
6							Shape R	Shape Q	Shape T
8									
10									
12									
15									
16									
18									
20									
30									
40									