

Small Diameter Pushers

Tapped / Threaded Type

Feature: Pushers suitable for space saving with small D dimension (O.D.). Small diameter alleviates the burden on the cylinder rod.

Small Diameter Pushers – Tapped Type

Type		Pushers		Core Rod
Flat	Round	Material	Hardness	Material
PSHEH	RSHEH	Ether Polyurethane	Shore A90	304 Stainless Steel
PSHES	RSSES	Ether Polyurethane	Shore A70	

6.3 / (25 / 6.3)

⊕ For urethane rubber properties, refer to P.2566

Part Number		L	M x Pitch	SR ₁	R ₂	l	l ₁	l ₂	W
Type	D								
Flat PSHEH PSHES	6	10	M3 x 0.5	6	1	3.5	5	4	5
	8	12	M4 x 0.7	8		5			7
	10	15	M5 x 0.8	10		6.5			8
	12	16	M6 x 1.0	12		7			10
Round RSHEH RSSES	16	20	M8 x 1.25	16	2	10	6	5	14

⊕ Urethane may discolor over time but there is no effect on properties. ⊕ Urethane rubber is thermally bonded to the core rod.

Small Diameter Pushers – Threaded Type

Type		Pushers		Core Rod
Flat	Round	Material	Hardness	Material
PSHEMH	RSHEMH	Ester Polyurethane	Shore A90	304 Stainless Steel
PSHEMS	RSHEMS	Ester Polyurethane	Shore A70	

6.3 / (25 / 6.3)

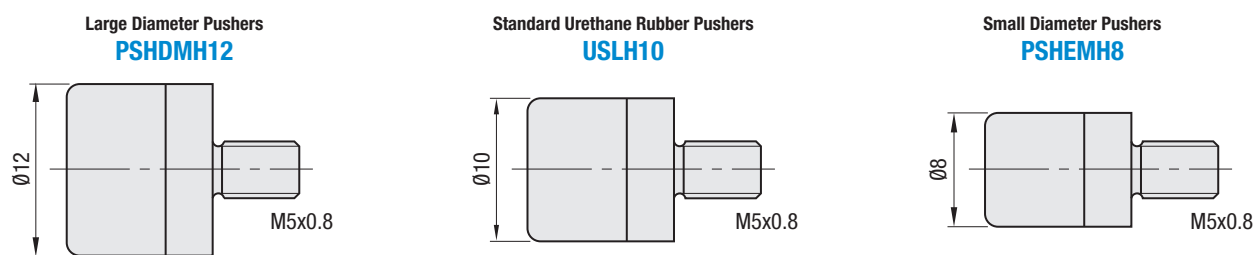
⊕ For urethane rubber properties, refer to P.2566

Part Number		L	M x Pitch	SR ₁	R ₂	m	l ₁	l ₂	f	W
Type	D									
Flat PSHEMH PSHEMS	8	12	M5 x 0.8	8	1	6	5	4	1.3	7
	10	15	M6 x 1.0	10		7			8	
	12	16	M8 x 1.25	12		10			10	
	16	20	M10 x 1.5	16		12			14	
Round RSHEMH RSHEMS	16	20	M10 x 1.5	16	2	12	6	5	2	14

⊕ Urethane may discolor over time but there is no effect on properties. ⊕ Urethane rubber is thermally bonded to the core rod.

Part Number Example: PSHEH16, RSHEMS12

Features: Pushers suitable for space saving with small D dimension (outer diameter).



⊕ When selecting same thread diameter, workpiece contact area is made larger by enlarging diameter and smaller by reducing diameter.

Large Diameter Pusher

Tapped / Threaded Type

Feature: Workpiece contact area is made larger by enlarging D dimension (O.D.).

Large Diameter Pusher – Tapped Type

Type		Pushers		Core Rod
Flat	Round	Material	Hardness	Material
PSHDH	RSHDH	Ether Polyurethane	Shore A90	304 Stainless Steel
PSHDS	RSHDS	Ester Polyurethane	Shore A70	
PSHDMC	RSHDMC	MC Nylon	—	

6.3 / (25 / 6.3)

⊕ For urethane rubber properties, refer to P.2566

⊕ For MC nylon properties, refer to P.3067

Part Number		L	M x Pitch	M ₁ x Pitch	l	SR ₁	R ₂	l ₁	l ₂	W
Type	D									
Set Flat PSHDH PSHDS PSHDMC	10	15	M3 x 0.5	M5 x 0.8	4.5	10	1	5	4	8
	12	16	M4 x 0.7	M6 x 1.0	7	12				10
	16	20	M5 x 0.8	M8 x 1.25	8	16	2	6	5	14
	20	25	M6 x 1.0	M10 x 1.5	10	20				17
	25	30	M8 x 1.25	M12 x 1.75	14	25	3	8	6	22
	30*	35	M10 x 1.5	M16 x 2.0	16	30				27
	36*	45	M12 x 1.75	M16 x 2.0	16	36				32

⊕ Urethane may discolor over time but there is no effect on properties. ⊕ For MC Nylon Type, replacement resin (MCRDCK) is sold.

⊗ 30 and 36 not available for PSHDS and RSHDS.

Large Diameter Pusher – Threaded Type

Type		Pushers		Core Rod
Flat	Round	Material	Hardness	Material
PSHDMH	RSHDMH	Ether Polyurethane	Shore A90	304 Stainless Steel
PSHDMS	RSHDMS	Ester Polyurethane	Shore A70	
PSHDMMC	RSHDMMC	MC Nylon	—	

6.3 / (25 / 6.3)

⊕ For urethane rubber properties, refer to P.2566

⊕ For MC Nylon properties, see, refer to P.3067

Part Number		L	M x Pitch (Coarse Thread)	Material: Resin			SR ₁	R ₂	M	l ₁	l ₂	F	R ₃ Max.	W					
Type	D			l	F	(g)													
Set Flat PSHDMH PSHDMS PSHDMMC	8	12	M3 x 0.5	M3 x 0.5	3	5	1.5	8	1	6	5	4	1	0.3	7				
	10	15	M4 x 0.7	M5 x 0.8	4.5	6	10								8				
	12	16	M5 x 0.8	M6 x 1.0	7	7	12	2	10	10	6	5	1.5	0.5	10				
	16	20	M6 x 1.0	M8 x 1.25	10	10	16	2							14				
	20	25	M8 x 1.25	M10 x 1.5	8	12	20	2.5	20	14	8	6	2	0.75	17				
	25*	30	M10 x 1.5	M12 x 1.75	10	14	25	3							18	8	3	1	22
	30*	35	M16 x 2.0	M16 x 2.0	14	18	35	3.5							20	10	8	3.5	1

⊕ Urethane may discolor over time but there is no effect on properties. ⊕ Urethane rubber is thermally bonded to the core rod. ⊗ 25 and 30 not available for PSHDMS and RSHDMS.

Part Number Example		Part Number		Increase	
PSHDMH12	PSHDMH10	PSHDMH20	MCRDCK30	RSHDMH12	RSHDMH10
D	Bushing Part Area	D	Bushing Part Area	D	Bushing Part Area
6	28	8	50	2	78%
8	50	10	79	2	56%
10	79	12	113	2	44%
12	113	16	201	4	78%

Formula: (D/2)² x 3.14

Features: For MC Nylon Type, resin tip for replacement is provided.