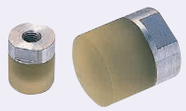
Urethane Rubber Pushers

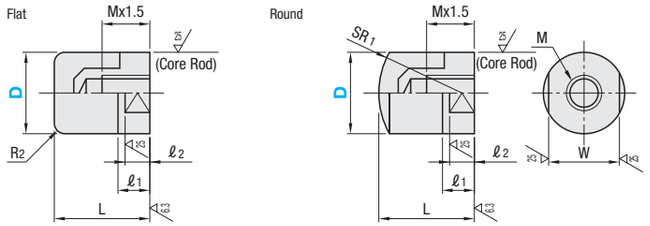
Features: Pushers with shore A30 ~ 90 are available.

Tapped Type



Type		Pushers		Core Rod
Flat	Round	H Hardness	M Material	M Material
URLH	URSH	Shore A90	Ether Polyurethane	EN 1.4301 Equiv.
URLM	URSM	Shore A70	Ester Polyurethane	
URLL	URSL	Shore A50		
PSHLH	RSHLH	Shore A30		

For urethane rubber properties, see **P.389**.



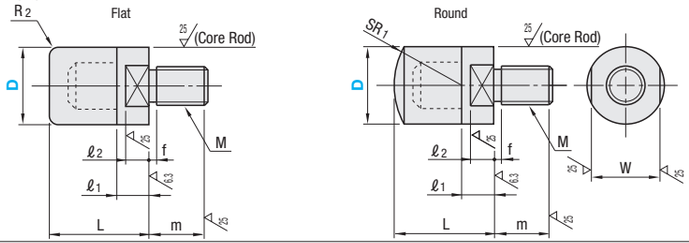
Part Number Type		D	L	MxPitch	SR1	R2	ℓ1	ℓ2	W	Unit Price URLH URSH	URLM, URLL URSM, URSL	PSHLH RSHLH
Flat URLH URLM URLL PSHLH	Round URSH URSM URSL RSHLH	8	12	M3x0.5	8	1	5	4	7			
		10	15	M4x0.7	10				8			
		12	16	M5x0.8	12	2			10			
		16	20	M6x1.0	16		6	5	14			
		20	25	M8x1.25	20	3	8	6	17			
		25	30	M10x1.5	25		10	8	22			-
		25A		M10x1.25								
		30	35	M12x1.75	30				27			-
		32	37	M14x1.5	32				30			-
		36	45	M18x1.5	36	3.5	12	10	32			-
		40	50	M20x1.5	40		14	12	36			-
		40A		M22x1.5								-

Pitches of D Dimension 25A are fine threaded. The thread of D dimension 40A is M22x1.5. Urethane rubber is thermally bonded to the core rod.
Urethane may discolor over time but there is no effect on properties.

Threaded Type

Type		Pushers		Core Rod
Flat	Round	H Hardness	M Material	M Material
USLH	USSH	Shore A90	Ether Polyurethane	EN 1.4301 Equiv.
USLM	USSM	Shore A70	Ester Polyurethane	
USLL	USSL	Shore A50		
PSHMLH	RSHMLH	Shore A30		

For urethane rubber properties, see **P.389**.



Part Number Type		D	L	MxPitch (Coarse)	SR1	R2	m	ℓ1	ℓ2	f	W	Unit Price USLH USSH	USLM, USLL USSM, USSL	PSHMLH RSHMLH
Flat USLH USLM USLL PSHMLH	Round USSH USSM USSL RSHMLH	6	10	M3x0.5	6	1	4.5	5	4	1	5			
		8	12	M4x0.7	8		6				7			
		10	15	M5x0.8	10		7				8			
		12	16	M6x1.0	12	2	10			1.5	10			
		16	20	M8x1.25	16		12	6	5	2	14			
		20	25	M10x1.5	20	3	14	8	6		17			-
		25	30	M16x2.0	25		18	10	8	3	22			-
		32	37	M20x2.5	32		22			3.5	30			-
		36	45	M22x2.5	36	3.5	24	12	10		32			-

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

Ordering Example Part Number: URLM10, USLM12

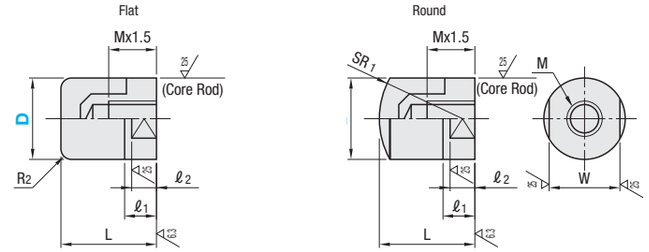
Silicon Rubber Pushers / Fluororubber Pushers

Features: Silicon Rubber Pushers: Pushers which are superior to Urethane Rubber Pushers in heat / chemical resistance. Fluororubber Pushers: Pushers which are made of fluorine with excellent chemical resistance.

Tapped Type

Type		H Hardness	M Material	Color	M Material: Core Rod
Flat	Round				
SLLM	SLSM	Shore A70	Silicon Rubber	Gray	EN 1.4301 Equiv.
PSHPT	RSHPT	Shore A80	Fluororubber (FPM)	Black	

For properties of urethane rubber and fluororubber, see **P.390**.



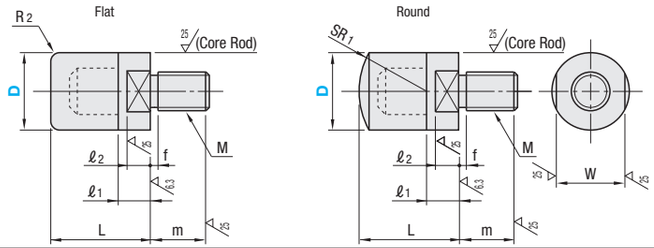
Part Number Type		D	L	MxPitch	SR1	R2	ℓ1	ℓ2	W	Unit Price SLLM SLSM	PSHPT RSHPT
Flat SLLM PSHPT	Round SLSM RSHPT	8	12	M3x0.5	8	1	5	4	7		
		10	15	M4x0.7	10				8		
		12	16	M5x0.8	12	2			10		
		16	20	M6x1.0	16		6	5	14		
		20	25	M8x1.25	20	3	8	6	17		-
		25	30	M10x1.5	25		10	8	22		-
		25A		M10x1.25							-
		30	35	M12x1.75	30				27		-

Urethane rubber and fluororubber are thermally bonded to a core rod.

Threaded Type

Type		H Hardness	M Material	Color	M Material: Core Rod
Flat	Round				
SSLM	SSSM	Shore A70	Silicon Rubber	Gray	EN 1.4301 Equiv.
PSHMPT	RSHMPT	Shore A80	Fluororubber (FPM)	Black	

For properties of urethane rubber and fluororubber, see **P.390**.



Part Number Type		D	L	MxPitch	SR1	R2	m	ℓ1	ℓ2	f	W	Unit Price SSLM SSSM	PSHMPT RSHMPT
Flat SSLM PSHMPT	Round SSSM RSHMPT	6	10	M3x0.5	6	1	4.5	5	4	1	5		
		8	12	M4x0.7	8		6				7		
		10	15	M5x0.8	10		7				8		
		12	16	M6x1.0	12	2	10			1.5	10		
		16	20	M8x1.25	16		12	6	5	2	14		-
		20	25	M10x1.5	20	3	14	8	6		17		-

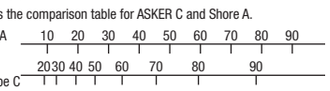
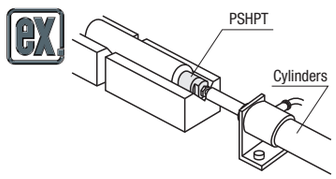
Urethane rubber and fluororubber are thermally bonded to a core rod.

Ordering Example Part Number: PSHPT8

Shore Hardness for Rubber Pushers for reference

Allowable Hardness Range: Listed values ±5

Shore A95	Golf Ball
Shore A90	Hard Ball
Shore A70	Soft Ball
Shore A50	Plastic Eraser
Shore A30	Bicycle Tire Tubes

Hard ↕ Soft

Following is the comparison table for ASKER C and Shore A.