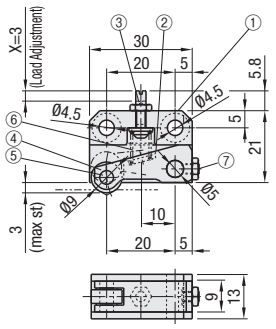
Roller Plungers

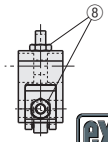
Compact / Surface Mount / Hex Screw

Features: Has a ball bearing on the tip.

Compact
Load Adjusting Function

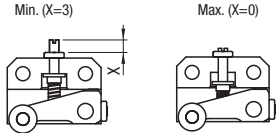
Type	①②③Man Body, Arm, Adjustment Screw		④Bearing	⑤Bearing Shaft		⑥Spring	⑦Set Screw	⑧Nut	
	M Material	S Surface Treatment		M Material	H Hardness			M Material	S Surface Treatment
CBPJ	S45C	Electroless Nickel Plating	SUS440	SUJ2	58HRC~	SUS304-WPB	SCM435	SWCH Equivalent	Electroless Nickel Plating



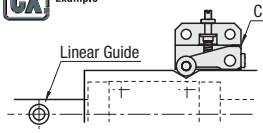


Load
By tightening adjustment screw ③, the load can be adjusted freely.

Tightening Amount X



Example

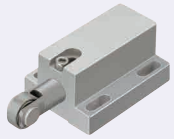


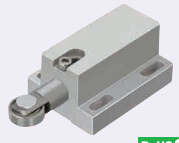
Features
Compact Roller Plungers.
(The length along the direction of the stroke is approx.1/3 of that of Surface Mount Type.)
With rolling mechanics at the tip, this product is suitable for the position setting of sliding plate or indexing for rotating table.

Part Number		Min. Tightening (X=3)		Max. Tightening (X=0)		Unit Price
Type	No.	Load (N)		Load (N)		
		min	max	min	max	
CBPJ	9	0.4	4.2	6.6	10.2	

Ordering Example: Part Number CBPJ9

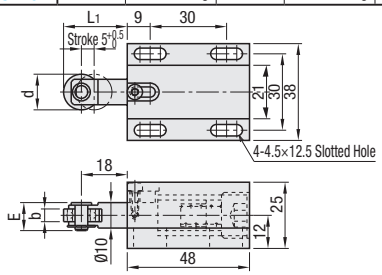
Surface Mount

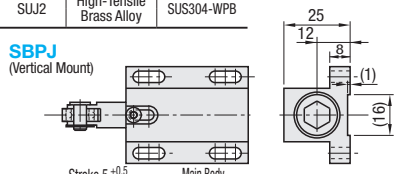




RoHS10

Type		Main Body		Pin		Bearing	Bushing	Spring
		M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	M Material	M Material
Side Mount	TBPJ	S45C	Electroless Nickel Plating	S45C	Electroless Nickel Plating	SUJ2	High-Tensile Brass Alloy	SUS304-WPB
Vertical Mount	SBPJ							



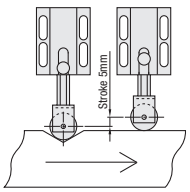


Part Number			d	b	E	L1	Load (N)		Unit Price
Type		No.					min.	max.	
Light Load	TBPJ (Side Mount)	1	14	5	11	25	3	5.1	
		1A	19	6	12.8	27.5			
Heavy Load		2	14	5	11	25	6.1	10.4	
		2A	19	6	12.8	27.5			
Light Load	SBPJ (Vertical Mount)	1	14	5	11	25	3	5.1	
		1A	19	6	12.8	27.5			
Heavy Load		2	14	5	11	25	6.1	10.4	
		2A	19	6	12.8	27.5			

No. 1A and 2A have larger bearing dia. than that of conventional products.

Ordering Example: Part Number TBPJ2A

Example

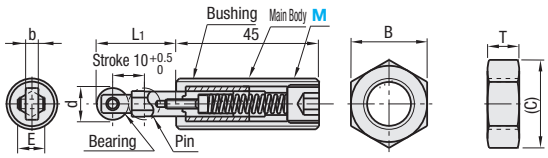


Features
- The stroke is longer (5~10mm) than that of ball plungers (0.2~2.5mm).

Hex Screw

RoHS10

Type		Main Body		Pin		Bearing	Bushing	Spring	A Accessory (Nut x2 pcs.)	
		M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	M Material	M Material	M Material	S Surface Treatment
Light Load	RBPJ	S45C	Electroless Nickel Plating	S45C	Electroless Nickel Plating	SUJ2	High-Tensile Brass Alloy	SUS304-WPB	SS400	Electroless Nickel Plating
Heavy Load	RBSJ									



Part Number			d	b	E	L1	M (Coarse)	Nut			Load (N)		Unit Price
Type		M (Coarse)						B	(C)	T	min.	max.	
Light Load	RBPJ	16	10	4	9	25	16×2.0	24	27.7	10	1.6	4.8	
		20	19	6	11.5	30	20×2.5	30	34.6	12			
Heavy Load	RBSJ	16	10	4	9	25	16×2.0	24	27.7	10	2.9	8.4	
		20	19	6	11.5	30	20×2.5	30	34.6	12			

Ordering Example: Part Number RBPJ20