

Locating Pins

Screw Mounted / Pilot / Large Screw Mounted

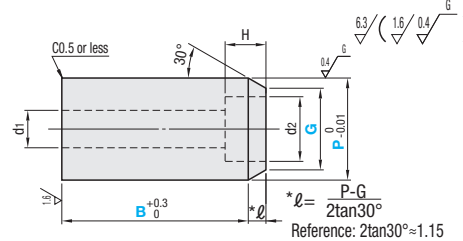
■Features: The pin body is secured by the bolts. You can use it for areas where you cannot use tapped screws since the bolt can be tightened from the top of the insertion guide.

■Screw Mounted



RoHS10

Material	Surface Treatment	Hardness	Type
S45C Equivalent	-	Treated Hardness: 45 ~ 50HRC	LPZ
S45C Equivalent	Black Oxide	Treated Hardness: 45 ~ 50HRC	LPZB
S45C Equivalent	Hard Chrome Plating	Treated Hardness: 45 ~ 50HRC / Plating Hardness: 750HV ~	LPZR
SUS304	-	-	LPZS
SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	LPZH
SUS440C Equivalent	-	Treated Hardness: 50 ~ 55HRC	LPZC



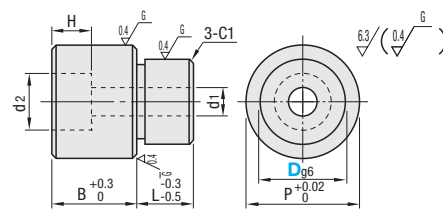
Part Number Type	No.	P			B			G			d1	d2	H	Applicable Screw	Unit Price					
		0.01mm Increment	0.1mm Increment	1mm Increment	0.1mm Increment	0.1mm Increment	1mm Increment	1mm Increment	1mm Increment	1mm Increment					LPZ	LPZB	LPZR	LPZS	LPZH	LPZC
LPZ LPZB LPZR LPZS LPZH LPZC	3	11.00~15.00	10.0~25.0	9≤G<P	3.5	6.5	4	M3												
	4	12.00~20.00	10.0~25.0	10≤G<P	4.5	8	5	M4												
	5	14.00~20.00	10.0~30.0	12≤G<P	5.5	9.5	6	M5												
	6	15.00~25.00	12.0~40.0	13≤G<P	6.5	11	7	M6												
	8	18.00~25.00	14.0~50.0	16≤G<P	9	14	9	M8												

■Pilot



RoHS10

Material	Surface Treatment	Hardness	Type
SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	JJPM
SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC / Plating Hardness: 750HV ~	GJJPM
SUS304	-	-	SJJPM
SUS440C Equivalent	-	Treated Hardness: 50 ~ 55HRC	CJJPM



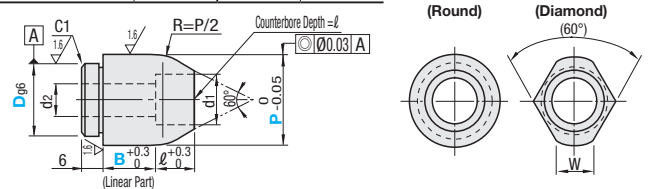
Part Number Type	Dg6	P			d1	d2	H	B	L	Applicable Screw	Unit Price			
		0.004	0.012	0.012							JJPM	GJJPM	SJJPM	CJJPM
JJPM GJJPM SJJPM CJPM	6	-0.004	-0.012	10	3.5	6.5	4			M3				
	8	-0.005	-0.014	12	4.5	8	5			M4				
	10	-0.006	-0.017	15	5.5	9.5	6			M5				
	12	-0.006	-0.017	16	6.5	11	7			M6				
	15	-0.007	-0.020	20	6.5	11	7			M6				
	16	-0.007	-0.020	20	9	14	9			M8				
	20	-0.007	-0.020	30	11	17.5	11			M10				
	25	-0.007	-0.020	30	14	20	13			M12				

■Large Screw Mounted



RoHS10

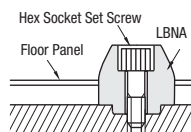
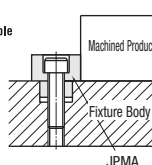
Material	Surface Treatment	Hardness	Shape	Type
SCM435	-	Treated Hardness: 35 ~ 40HRC	Round	B Selectable LBNA
			Diamond	B Configurable LBND



Part Number Type	Dg6	P			B Selection	1mm Increment	L	W	d1	d2	Applicable Screw	Unit Price		
		0.1mm Increment	0.1mm Increment	1mm Increment								LBNA	LBND	LBNA
LBNA (Round) LBND (Diamond) LBNA LBND (Round)	16	-0.023	22.0~24.9	5			7.5	7	11	6.6	M6			
			25.0~29.9	10			11	10	14	9	M8			
			30.0~37.9	15			13		17.5	11	M10			
			38.0~39.9	20			16	12						
			40.0~49.9	25			20	16						
			50.0~59.9	30			25	20						
	30	-0.027	60.0~80.0	20			35	28						

⚠ D dimension 16 is applicable to LBNA and LBND only.

Ordering Example: Part Number - P - B - G (Screw Mounted) LPZ5 - P16.00 - B25.5 - G15 (Pilot) JPM15 - P30.0 - B10 (Large Screw Mounted) LBNA20

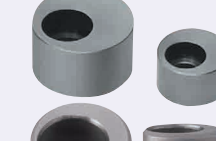


Locating Pins

Eccentric / Flanged Flat

■Features: Locating Pins used when the hole location differs in the mounting area and the locating area. Use them by securing the flange with the bolts.

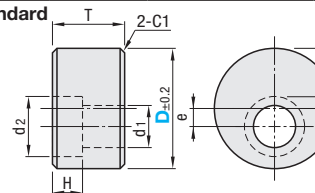
■Eccentric



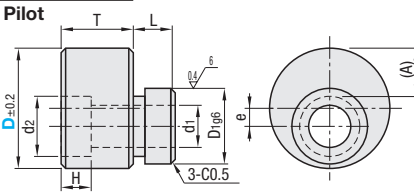
RoHS10

Material	Surface Treatment	Hardness	Type	
SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	Standard	Pilot
SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC / Plating Hardness: 750HV ~	JJPEA	JJPEIA
SUS304	-	-	GJJPEA	-
SUS440C Equivalent	-	Treated Hardness: 50 ~ 55HRC	SJJPEA	SJJPEIA
			CJJPEA	CJJPEIA

• Standard



• Pilot

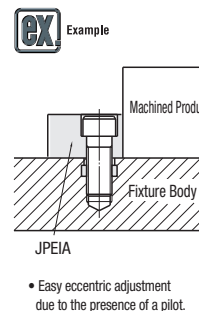


Part Number Type	D	d1	d2	T	H	Applicable Screw	e	(A)	D1	D1g6	L	Unit Price			
												JJPEA	Standard GJJPEA	SJJPEA	Pilot CJJPEA
Standard JJPEA GJJPEA SJJPEA CJJPEA	10	3.5	6.5	6	4	M3	1	2.75	-	-	-				
	12	4.5	8	8	5	M4	1.2	3.2	8	-0.006	8				
	16	5.5	9.5	10	6	M5	2	5.25	8	-0.017	8				
	20	6.5	11	12	7	M6	2.5	7	11	-0.007	10				
	25	9	14	16	9	M8	3.5	9	14	-0.020	12				
	32	11	17.5	20	11	M10	5	12.25	17	-0.009	15				
	40	14	20	24	13	M12	7	17	20	-0.025	18				

Ordering Example: Part Number JJPEA32 SJJPEA25

Alterations: Part Number - (LAC, LC) JJPEA20 - LAC45

Alterations	Wrench Hole	Pilot Cut
Code	LAC	LC
Spec.	Machines wrench holes. Selection: 45°, 135° Ordering Code: LAC45	Cuts the pilot section. Ordering Code: LC8 (1mm increment)
	D Wrench Hole Dia. l	D LC
	16, 20 3.5 3	12 6-7 25 8-11
	25, 32, 40 5 6	16 6-7 32 10-14
		20 6-9 40 12-17



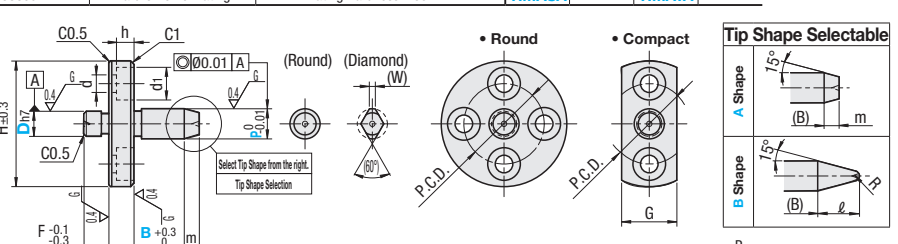
• Easy eccentric adjustment due to the presence of a pilot.

■Flanged Flat



RoHS10

Material	Surface Treatment	Hardness	Round Flange		Compact Flange	
SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	Round	Diamond	Round	Diamond
SUS304	-	-	MASA	MASD	MATA	MATD
SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	SMASA	-	SMATA	-
			HMASA	-	HMATA	-



⚠ SUS304 may not be polished and may have no centering hole. Reference: tan15°=0.267, sin15°=0.259

Part Number Type	Tip Shape	Dh7	P			F	H	G	P, C, D	d	d1	h	m	R	(W)
			0.01mm Increment	0.1mm Increment	1mm Increment										
Round Flange Compact Flange MASA MASD MATA MATD SMASA SMATA HMASA HMATA	A	5	0	3.00~5.00	3.0~10.0	5.0~10.0	5	25	11	16	3.5	6.5	3.5	3	1.5
		6	-0.012	4.00~7.00	3.0~12.0									1.5	2.2
		8	0	6.00~9.00	3.0~15.0									2	3
		10	-0.015	7.00~11.00	4.0~20.0	7.0~15.0	5	36	16	24	5.5	9.5	5.5	4	3.2
	B	12	0	8.00~12.00	4.0~20.0									3	3.2
		16	-0.018	13.00~16.00	5.0~20.0	11.0~20.0	10	54	24	37	9	14	9	5	4
		20	-0.021	16.00~20.00	5.0~20.0									5	5.5

Ordering Example: Part Number - P - B - T MASAA8 - P6.50 - B7.5 - T8.2

■Round Flange

D	MASA	MASD	SMASA	HMASA
5				
6				
8				
10				
12				
16				
20				

■Compact Flange

D	MATA	MATD	SMATA	HMATA
5				
6				
8				
10				
12				
16				
20				

⚠ For Compact Flange Type, D dimension 5, 6 are not applicable.