Locating Pins - Large Head, Tapered
Plastic Tip

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Locating Pins
Plastic, Large Head

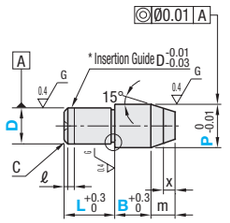
■**Features:** Plastic material bonded to the tip of insertion guide prevents workpiece from being scratched.

Material No.	Pin		Head	Type	D Tolerance and Shape Code
	M Material	H Hardness	M Plastic Material		
①	SKS3 Equivalent	Treated Hardness: 60 ~ 63HRC	MC Nylon	JPPH	B (Press Fit, m6)
②	SUS304	-		SJPPH	PB (Press Fit, p6)
③	SUS440C or 13Cr stainless	Treated Hardness: 50 ~ 55HRC		CJPPH	TA (Tapped, g6)
					NA (Threaded, g6)

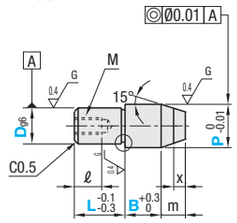
Features of MC Nylon P.2-953

SUS440C or 13Cr stainless has an identification groove at any position on D part.

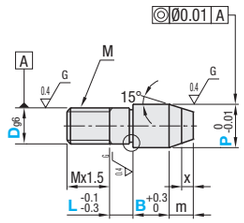
• Press Fit



• Tapped



• Threaded



* The insertion guide is applicable to tolerance p6 only.

Relief dimension is a reference value.

RoHS 10

■**Press Fit**

Type	Shape Code	D	D dim. Tolerance m6	D dim. Tolerance p6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	m	x	ℓ	Unit Price ① SKS3 Hardened	Unit Price ② SUS304	Unit Price ③ SUS440C or 13Cr stainless
JPPH SJPPH CJPPH	B (m6) PB (p6)	5	+0.012	+0.020	5.50~8.00	5~10	2.0~10.0	1	5	4	1	JPPHB JPPHPB	SJPPHB SJPPHPB	CJPPHB CJPPHPB
		6	+0.004	+0.012	6.50~10.00	6~12	2.0~12.0							
		8	+0.015	+0.024	9.00~13.00	8~16	2.0~15.0	1.5						
		10	+0.006	+0.015	11.00~15.00	10~20	3.0~20.0	2						
		12	+0.018	+0.029	13.00~16.00	12~24								
		13	+0.007	+0.018	14.00~18.00	13~26								
		16			17.00~25.00	16~32	5.0~20.0	3	6	5	2			
		20	+0.021 +0.008	+0.035 +0.022	22.00~30.00	20~40								

■**Tapped**

Type	Shape Code	D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	m	x	M (Coarse)	*Tightening Torque N·cm	ℓ	Unit Price ① SKS3 Hardened	Unit Price ② SUS304	Unit Price ③ SUS440C or 13Cr stainless
JPPH SJPPH CJPPH	TA	5	-0.004	5.50~8.00	5~10	2.0~10.0	5	4	M2	-	3	JPPHTA	SJPPHTA	CJPPHTA
		6	-0.012	6.50~10.00	6~12	2.0~12.0			M3	147	5			
		8	-0.005	9.00~13.00	8~16	2.0~15.0								
		10	-0.014	11.00~15.00	10~20	3.0~20.0			M5	676	8			
		12	-0.006	13.00~16.00	12~24									
		13	-0.017	14.00~18.00	13~26									
		16		17.00~25.00	16~32	5.0~20.0	6	5	M6	2803	9			
		20	-0.007 -0.020	22.00~30.00	20~40									

When D=5, L+B≥Mx4+1 When D≥6, L+B≥Mx3+1

* Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P. 2297 (10.9). Not applicable when using locking materials or lock washers.

■**Threaded**

Type	Shape Code	D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	m	x	M (Coarse)	*Tightening Torque N·cm	Unit Price ① SKS3 Hardened	Unit Price ② SUS304	Unit Price ③ SUS440C or 13Cr stainless
JPPH SJPPH CJPPH	NA	5	-0.004	5.50~8.00	3~10	2.0~10.0	5	4	M5	676	JPPHNA	SJPPHNA	CJPPHNA
		6	-0.012	6.50~10.00	3~10	2.0~12.0			M6	1156			
		8	-0.005	9.00~13.00	5~10	2.0~15.0			M8	2803			
		10	-0.014	11.00~15.00	5~15	3.0~20.0			M10	5557			
		12	-0.006	13.00~16.00	8~15				M12	9702			
		16	-0.017	17.00~25.00	8~20	5.0~20.0	6	5	M16	24108			
		20	-0.007 -0.020	22.00~30.00	10~20				M20	46942			

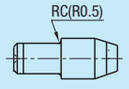
* Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P. 2297 (10.9). Not applicable when using locking materials or lock washers.

Ordering Example

Part Number						
Type	Shape	D	P	L	B	
JPPH	B	8	P10.00	L10	B5.5	
CJPPH	TA	16	P25.00	L22	B13.0	

Alterations

Part Number - P - L - B - (RC)
SJPPHB10 - P15.00 - L12 - B6.4 - RC

Alteration Code	Sphere Tip
Spec.	Changes the relief to R0.5. Ordering Code RC  Applicable when P-D≥2

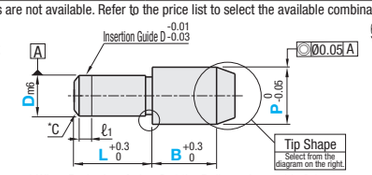
■**Features:** Plastic Locating Pins which prevent workpiece damages.

Type		Fixed Part	Head Shape	M Material	Operating Ambient Temperature
P Configurable	P, L, B Configurable				
JP	FJP	Z (Press Fit) Y (Tapped)	A (Tapered) FA (Flat) Q (Sphere)	Polyacetal (Black)	-45~95°C
MJP	MFP			MC Nylon (Blue)	-40~120°C
DJP	DFP			Conductive MC Nylon CDR2 (Black)	-40~120°C
JKP	FKP			PEEK (Natural Ivory)	-50~250°C

Characteristics of Polyacetal, MC Nylon, Conductive MC Nylon, PEEK P.2-953, 954
(For Polyacetal and MC Nylon, refer to Standard Grade.)

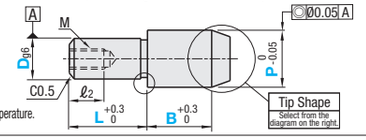
Some combinations are not available. Refer to the price list to select the available combination.

• Press Fit



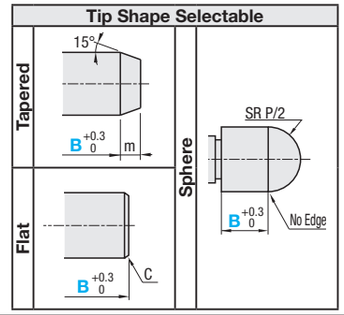
* When D=1, chamfering C at the D dimension part is 0.1.

• Tapped



The outer diameter tolerance is the result of measurement at room temperature.

Tip Shape Selectable



■**P Configurable**

Type	Fixed Part	Head Shape	D	D dim. Tolerance m6	D dim. Tolerance g6	P 0.01mm Increment	L Press Fit	L Tapped	B	C	m	ℓ1	M (Coarse)	ℓ2
JP	Z (Press Fit) Y (Tapped) Applicable when D≥6	A (Tapered) FA (Flat) Q (Sphere)	1	+0.008 +0.002	-	1.50~2.50	3	-	3	0.3	0.5	0	-	-
			2			2.50~4.00	4			0.5	1			
MJP			3			3.50~6.00	5		5		2	1		
			4	+0.012 +0.004		4.50~7.00				1	3			
DJP			5			5.50~8.00	10		6				M3	5
			6		-0.004 -0.012	6.50~10.00		10						
JKP			8	+0.015 +0.006	-0.005 -0.014	9.00~13.00	15	15	8	1.5	4		M5	8
			10			11.00~15.00			10	2			M5	8

■**P, L, B Configurable**

Type	Fixed Part	Head Shape	D	D dim. Tolerance m6	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment Press Fit	L 1mm Increment Tapped	B 0.1mm Increment	C	m	ℓ1	M (Coarse)	ℓ2
FJP	Z (Press Fit) Y (Tapped) Applicable when D≥6	A (Tapered) FA (Flat) Q (Sphere)	1	+0.008 +0.002	-	1.50~2.50	2,3	-	2.0~5.0	0.3	0.5	0	-	-
			2			2.50~4.00	2~6		2.0~10.0	0.5	1			
MFP			3			3.50~6.00	3~6		2.0~10.0		2	1		
			4	+0.012 +0.004		4.50~7.00	4~8		2.0~10.0	1	3			
DFP			5			5.50~8.00	5~10		2.0~10.0				M3	5
			6		-0.004 -0.012	6.50~10.00	6~12	6~12	2.0~12.0					
FKP			8	+0.015 +0.006	-0.005 -0.014	9.00~13.00	8~16	8~16	2.0 (3.0)~15.0	1.5	4		M5	8
			10			11.00~15.00	10~20	10~20	3.0 (4.0)~20.0	2			M5	8

B dimension of Flat is in ( ).

Ordering Example

Part Number						
Type	Fixed Part	Head Shape	D	P	L	B
JP	Z	A	8	10.00		
FJP	Y	Q	10	P12.00	L12	B7.0

Alterations

Part Number - P - L - B - (HSC)
JKPYA6 - 8.00 - HSC
FKPYFA10 - P13.00 - L18 - B5.0 - HSC

Alteration Code	Threaded Insert
Spec.	Adds a threaded insert on Tapped. D6:M3 D8, 10:M5 Ordering Code HSC

■**Press Fit**

D	Tapered Unit Price JPZA	MJPZA	DJPZA	JKPZA	FJPZA	MFPZA	DFPZA	FKPZA	Flat Unit Price JPZFA	MJPZFA	DJPZFA	JKPZFA	FJPZFA	MFPZFA	DFPZFA	FKPZFA	Sphere Unit Price JPZQ	MJPZQ	DJPZQ	JKPZQ	FJPZQ	MFPZQ	DFPZQ	FKPZQ
1				-																				
2				-																				
3				-																				
4				-																				
5				-																				
6				-																				
8				-																				
10				-																				

■**Tapped**

D	Tapered Unit Price JPYA	MJPYA	DJPYA	JKPYA	FJPYA	MFPYA	DFPYA	FKPYA	Flat Unit Price JPYFA	MJPYFA	DJPYFA	JKPYFA	FJPYFA	MFPYFA	DFPYFA	FKPYFA	Sphere Unit Price JPYQ	MJPYQ	DJPYQ	JKPYQ	FJPYQ	MFPYQ	DFPYQ	FKPYQ
6	-			-				-	-			-		-		-	-							
8	-			-				-	-			-		-		-	-							
10	-			-				-	-			-		-		-	-							