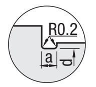
Locating Pins - Small Head, Round Tapered

(Buff Finished)

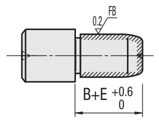
RoHS10

Material No.	Material	Surface Treatment	Hardness	Type	Shape Code
①	01 Tool Steel	-	Treated Hardness: 60~63HRC	JPRS	B (Standard, m6) PB (Standard, p6) TB (Tapped)
②	01 Tool Steel	Hard Chrome Plating	Hardness: 50~55HRC Plating Hardness: 750HV~	GJPRS	
③	304 Stainless Steel	-	-	SJPRS	
④	440C Stainless Steel	-	Treated Hardness: 50~55HRC	CJPRS	
⑤	01 Tool Steel	Buffed Surface	Treated Hardness: 60~63HRC	MJPRS	
⑥	01 Tool Steel	Hard Chrome Plating + Buffed	Treated Hardness: 60~63HRC Plating Hardness: 750HV~	MGJPRS	
⑦	440C Stainless Steel	Buffed Surface	Treated Hardness: 50~55HRC	MCJPRS	



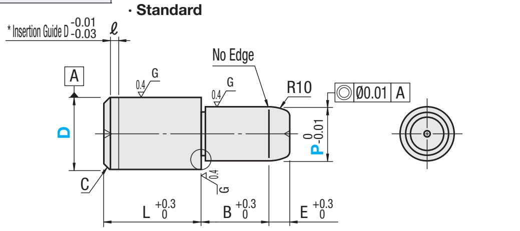
a=1.0(P≥3)
d=P-0.1(P<3)
d=P-0.2(P≥3)

Buffed at ////// part only.

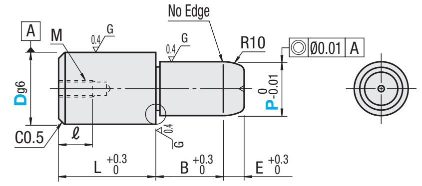


The boundary between B and E dimensions is indistinct.

· Standard



· Tapped



* The insertion guide is applicable to tolerance m6 and p6 type only.
440C Stainless Steel has an identification groove on D part.
Polished, centering hole is sometimes not available for 304 Stainless Steel.

Standard

Type	Shape Code	D	D Tolerance m6	D Tolerance p6	P	L	B	C	ℓ	E	① JPRSB JPRSPB	② GJPRSB GJPRSPB	③ SJPRSB SJPRSPB	④ CJPRSB CJPRSPB	⑤ MJPRSB MJPRSPB	⑥ MGJPRSB MGJPRSPB	⑦ MCJPRSB MCJPRSPB
JPRS GJPRS SJPRS CJPRS (Buff Finished) MJPRS MGJPRS MCJPRS Applicable when D≥5 and P≥5.	B (m6) PB (p6)	3	+0.008 +0.002	+0.012 +0.006	2 3	5	3	0.5	1	3					-	-	-
		4	+0.012 +0.004	+0.020 +0.012	2 3 4			1							-	-	-
		5			2 3 4 5	10	5										
		6			3 4 5 6					4							
		8	+0.015 +0.006	+0.024 +0.015	4 5 6 8	15	6	1.5		5							
		10			6 8 10		8	2									
		12	+0.018 +0.007	+0.029 +0.018	8 10 12					6							
		13			12 13	22			2								
		16			12 13 14 15 16		10	3		7							
		20	+0.021 +0.008	+0.035 +0.022	15 16 20	30											

Tapped

Type	Shape Code	D	D Tolerance g6	P	L	B	E	M (Coarse)	ℓ	① JPRSTB	② GJPRSTB	③ SJPRSTB	④ CJPRSTB	⑤ MJPRSTB	⑥ MGJPRSTB	⑦ MCJPRSTB
JPRS GJPRS SJPRS CJPRS (Buff Finished) MJPRS MGJPRS MCJPRS Applicable when P≥5.	TB	6	-0.004 -0.012	4 5 6	10	5	5	M3	5							
		6T		4 5 6				M2.6	4							
		8	-0.005 -0.014	6 8	15	6		M4	6							
		8T		6 8				M3	5							
		10		8 10		8		M5	8							
		12	-0.006 -0.017	8 10 12			6									
		13		12 13	22			M8	12							
		16		12 13 14 15 16		10	7									
		20	-0.007 -0.020	15 16 20	30											

Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".)
Note the strength of under-head part. P.1309 Please confirm pilot hole depth on P.1309. Holes may go through.
* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P.3549). *Not applicable when using locking adhesives or lock washers.

Ordering Example

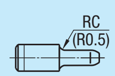
Part Number (Type)	(Shape)	(D)	-	P
JPRS	B	10	-	6
MGJPRS	B	12	-	8

Alterations

Part Number	-	P	-	(RC)
JPRSB10	-	6	-	RC

Configure Online

Alterations	Spherical Tip
Code	RC
Spec.	Changes the relief to R0.5. Ordering Code RC Applicable when D-P≥2.
Price Adder	



Days to Ship: Configure Online

Price: Configure Online

Locating Pins - Small Head, Round Tapered

D and P Tolerance, Taper R Selectable

(Buff Finished)

RoHS10

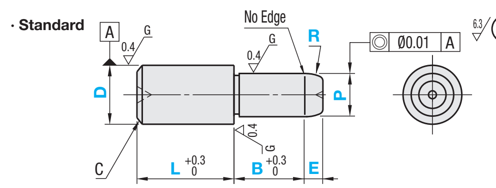
Material No.	Material	Surface Treatment	Hardness	Type	Shape Code
①	01 Tool Steel	-	Treated Hardness: 60~63HRC	KFPS	A (Standard) T (Tapped)
②	01 Tool Steel	Hard Chrome Plating	Hardness: 50~55HRC Plating Hardness: 750HV~	GKFPS	
③	304 Stainless Steel	-	-	SKFPS	
④	440C Stainless Steel	-	Treated Hardness: 50~55HRC	CKFPS	
⑤	01 Tool Steel	Buffed Surface	Treated Hardness: 60~63HRC	MKFPS	
⑥	01 Tool Steel	Hard Chrome Plating + Buffed	Hardness: 50~55HRC Plating Hardness: 750HV~	MGKFPS	
⑦	440C Stainless Steel	Buffed Surface	Treated Hardness: 50~55HRC	MCKFPS	

Tolerance Selection

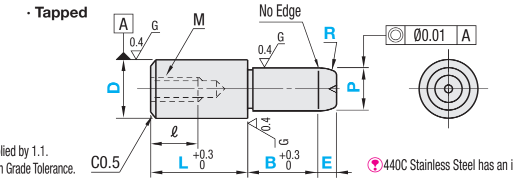
D or P	Standard Grade M (m6)	Standard Grade P (p6)	Standard Grade G (g6)	Standard Grade H (h7)	Standard Grade S (-)	Precision Grade A (-)	Precision Grade B (-)
2.00~3.00	+0.008 +0.002	+0.012 +0.006	-0.002 -0.008	0 -0.010	0 -0.01	+0.005 0	0 -0.005
3.01~6.00	+0.012 +0.004	+0.020 +0.012	-0.004 -0.012	0 -0.012			
6.01~10.00	+0.015 +0.006	+0.024 +0.015	-0.005 -0.014	0 -0.015			
10.01~18.00	+0.018 +0.007	+0.029 +0.018	-0.006 -0.017	0 -0.018			
18.01~20.00	+0.021 +0.008	+0.035 +0.022	-0.007 -0.020	0 -0.021			

The unit price of Precision Type is the price of Standard Type multiplied by 1.1.
Hard chrome plated and buffed products are not available for Precision Grade Tolerance.

· Standard

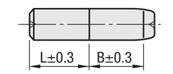


· Tapped

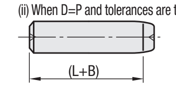


440C Stainless Steel has an identification groove on D part.

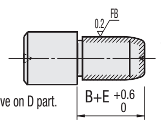
When D=P, no relief is applied.
(i) When D=P and tolerances are different



(ii) When D=P and tolerances are the same



Buffed at ////// part only.



The boundary between B and E dimensions is indistinct.

Standard

Type	Shape Code	D Tolerance	P Tolerance	D	P 0.01mm Increment	L 1mm Increment	B 0.5mm Increment	E 0.5mm Increment	R	C	① KFPSA	② GKFPSA	③ SKFPSA	④ CKFPSA	⑤ MKFPSA	⑥ MGKFPSA	⑦ MCKFPSA
KFPS GKFPS* SKFPS CKFPS (Buff Finished) MKFPS* MGKFPS* MCKFPS* Applicable when D≥5 and P≥5.	A	M P G H *A *B	S M P G H *A *B	3	2.00~3.00	3~8	2.0~10.0	1.0~15.0 Configurable range depends on P dimension. Confirm "Details of E Dimension and R Dimension Range" in the table below.	5 10 15 20 25 30	0.5					-	-	-
				4	2.00~4.00	4~12	2.0~10.0			1					-	-	-
				5	2.00~5.00	5~12	2.0~10.0										
				6	2.00~6.00	5~12	3.0~12.0										
				8	3.00~8.00	8~15	3.0~14.0			1.5							
				10	3.00~10.00	8~15	3.0~16.0			2							
				12	5.00~12.00	10~18	3.0~18.0										
				13	6.00~13.00	12~20	3.0~20.0										
				16	10.00~16.00	14~25	3.0~20.0			3							
				20	13.00~20.00	18~32	3.0~20.0										

Hard chrome plated and buffed products are not available for * marked Precision Grade Tolerance.

Tapped

Type	Shape Code	D Tolerance	P Tolerance	D	P 0.01mm Increment	L 1mm Increment	B 0.5mm Increment	E 0.5mm Increment	R	M (Coarse)	ℓ	① KFPST	② GKFPST	③ SKFPST	④ CKFPST	⑤ MKFPST	⑥ MGKFPST	⑦ MCKFPST
KFPS GKFPS SKFPS CKFPS (Buff Finished) MKFPS MGKFPS MCKFPS Applicable when P≥5.	T	M P G H	S M P G H	6	4.00~6.00	8~12	3.0~12.0	1.0~15.0 Configurable range depends on P dimension. Confirm "Details of E Dimension and R Dimension Range" in the table below.	5 10 15 20 25 30	M3	5							
				6T						M2.6	4							
				8	6.00~8.00	11~16	3.0~14.0			M5	8							
				8T						M4	6							
				10	7.00~10.00	11~20	3.0~16.0			M5	8							
				10T		8~16				M4	6							
				12	7.00~12.00	12~24	3.0~18.0			M5	8							
				12T		8~18				M4	6							
				13	8.00~13.00	13~26	3.0~20.0			M8	10							
				13T		10~20				M6	9							
				16	10.00~16.00	16~32	3.0~20.0			M8	12							
				16T		10~24				M6	9							
				20	13.00~20.00	20~40	3.0~20.0			M8	12							
				20T		12~30				M6	9							

Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".) Note the strength of under-head part. P.1309 Please confirm pilot hole depth on P.1309.
* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P.3549). *Not applicable when using locking adhesives or lock washers.

Ordering Example

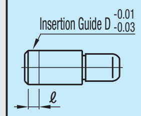
Part Number (Type)	(Shape)	(D Tol.)	(P Tolerance)	(D)	-	P	-	L	-	B	-	E	-	R
MKFPS	A	M	S	16	-	P12.00	-	L14	-	B4.0	-	E5.0	-	R15

Alterations

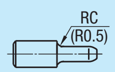
Part Number	-	P	-	L	-	B	-	E	-	R	-	(GDC, RC, AC)
KFPSAMA12	-	P7.00	-	L10	-	B3.0	-	E3.0	-	R10	-	RC

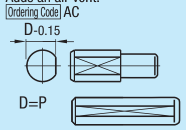
Configure Online

Alterations	Insertion Guide	Spherical Tip	Air Vent
Code	GDC	RC	AC
Spec.	Adds the insertion guide. Ordering Code GDC	Changes the relief to R0.5. Ordering Code RC Applicable when D-P≥2	Adds an air vent. Ordering Code AC
Price Adder			



D	ℓ
3~6	1
8~20	2





Details of E and R Dimension Range

P 0.01mm Increment	E 0.5mm Increment	R
2.00~4.00	1.0~2.0	5 10
4.01~8.00	2.5~4.0	10 15
8.01~12.00	4.5~7.0	10 15 20
12.01~16.00	5.0~10.0	15 20 25
16.01~20.00	5.0~15.0	20 25 30

Days to Ship: Configure Online

Price: Configure Online