

Locating Pins - Small Head, Round Tapered



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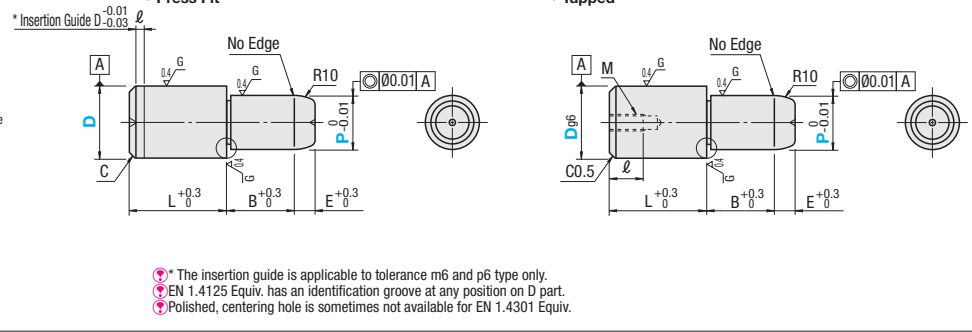
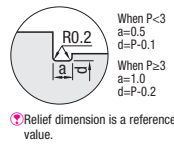


D and P Tolerance, Taper R Selectable

■ **Features:** R on the joint area makes it easier to insert/extract compared to the tapered type.



Material No.	Material	Surface Treatment	Hardness	Type		
				Press Fit (m6)	Press Fit (p6)	Tapped
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	JPRSB	JPRSPB	JPRSTB
②	EN 1.2510 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GJPRSB	GJPRSPB	-
③	EN 1.4301 Equiv.	-	-	SJPRSB	SJPRSPB	SJPRSTB
④	EN 1.4125 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CJPRSB	CJPRSPB	-



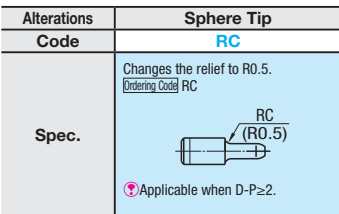
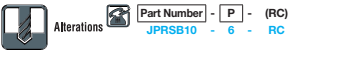
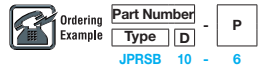
Press Fit

Part Number		D dim. Tolerance		P Selection		L	B	C	ℓ	E	Unit Price					
Type	D	m6	p6								①	②	③	④		
m6	p6	3	0.01	0	2	3	5	3	0.5	3	JPRSB	GJPRSB	SJPRSB	CJPRSB		
		4			2	3					4					
		5	0.02	0	2	3					4	5				
		6			3	4					5	6				
		8	0.02	0	4	5					6	8				
	JPRS	JPRSPB	10			6	8	10	15	1.5	4					
			12			6	8	10								
			13	0.03	0	8	10	12								
			16			8	10	12				13				
			20	0.03	0.1	12	13	14				15	16	15	16	20

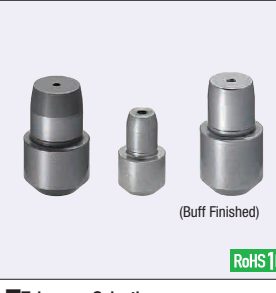
Tapped

Part Number		D dim. Tolerance		P Selection		L	B	E	M	Tightening Torque	ℓ	Unit Price				
Type	D	g6							(Coarse)	N·cm		①	③			
JPRSTB	JPRSTB	6	-0.016	0	4	5	6	10	5	M3	147	5				
		6T			4	5	6									
		8			6	8										
		8T			6	8										
		10			8	10										
	SJPRSTB	-0.019	0	8	10	12	15	6	5	M4	333	6				
				12	8	10							12			
				13	12	13										
				16	12	13							14	15	16	
				20	15	16							20			
JPRSTB	-0.023	0	10	12	13	22	8	6	M5	676	8					
			12	8	10							12				
			13	12	13											
			16	12	13							14	15	16		
			20	15	16							20				
SJPRSTB	-0.027	0	12	13	14	15	16	20	30	M8	2803	12				
			13	12	13	14	15	16								
			16	12	13	14	15	16								
			20	15	16	20										

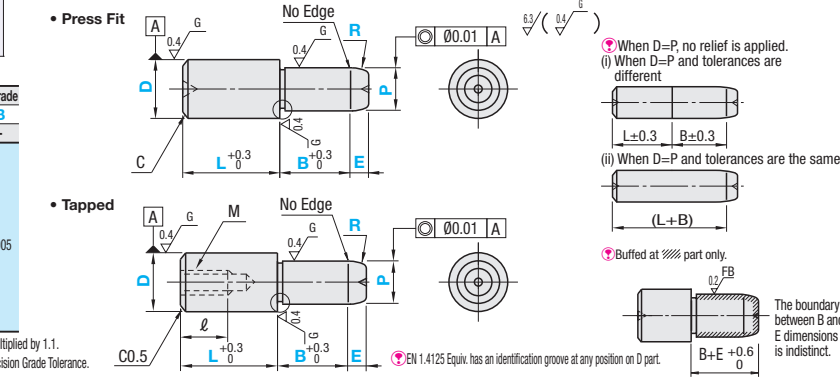
① Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T")
 ② Note the strength of under-head part. **※ P.1566** ③ Please confirm pilot hole depth on **※ P.1566**. Holes may go through.
 * Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data **※ P.2297** (10.9). Not applicable when using locking materials or lock washers.



■ **Features:** Small Head, Round Tapered, with each dimension configurable. Selectable tolerance on both ends and tapered dimensions.



Material No.	Material	Surface Treatment	Hardness	Type	
				Press Fit	Tapped
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	KFPSPA	KFPST
②	EN 1.2510 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GKFPSPA	GKFPST
③	EN 1.4301 Equiv.	-	-	SKFPSPA	SKFPST
④	EN 1.4125 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CKFPSPA	CKFPST
⑤	EN 1.2510 Equiv.	Buffing	Treated Hardness: 60 ~ 63HRC	MKFPSPA	MKFPST
⑥	EN 1.2510 Equiv.	Hard Chrome Plating + Buffed Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	MGKFPSPA	-
⑦	EN 1.4125 Equiv.	Buffing	Treated Hardness: 50 ~ 55HRC	MCKFPSPA	-



Tolerance Selection

D or P	Standard Grade				Precision Grade	
	M	P	G	H	S	A
2.0	+0.008	+0.012	-0.002	0	-	-
3.0	+0.002	+0.006	-0.008	-0.010	-	-
3.01	+0.012	+0.020	-0.004	0	-	-
6.0	+0.004	+0.012	-0.012	-0.012	-	-
6.01	+0.015	+0.024	-0.005	0	+0.005	0
10.0	+0.006	+0.015	-0.014	-0.015	0	-0.005
10.01	+0.018	+0.029	-0.006	0	-	-
18.0	+0.007	+0.018	-0.017	-0.018	-	-
18.01	+0.021	+0.035	-0.007	0	-	-
20.0	+0.008	+0.022	-0.020	-0.021	-	-

① The unit price of Precision Type is the price of Standard Type multiplied by 1.1.
 ② Hard Chrome Plating and buffed products are not available for Precision Grade Tolerance.

Press Fit

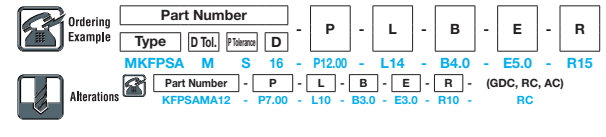
Part Number	D Tol. Selection	P Tolerance Selection	D	P 0.01mm Increment	L 1mm Increment	B 0.5mm Increment	E 0.5mm Increment	R Selection	C	Unit Price						
										①	②	③	④	⑤	⑥	⑦
KFPSPA GKFPSPA SKFPSPA CKFPSPA	M P G H	S M P G H	3	2.00-3.00	3-8	2.0-10.0	1.0-15.0	5 10 15 20 25 30	0.5							
			4	2.00-4.00	4-12	2.0-10.0										
			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										
			10	3.00-10.00	8-15	3.0-16.0										
			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										
			20	13.00-20.00	18-32	3.0-20.0										

① Configurable range depends on P dimension. Confirm "Details of E Dimension and R Dimension Range" in the table.
 ② Hard Chrome Plating and buffed products are not available for * marked Precision Grade Tolerance.
 ③ Precision Grade Price When A, B tolerance is selected, multiply by 1.1 to the above unit price. Example of Price Calculation: KFPSPA10-P8.00-L8-B3.0-E3.0-R10

Tapped

Part Number	D Tol. Selection	P Tolerance Selection	D	P 0.01mm Increment	L 1mm Increment	B 0.5mm Increment	E 0.5mm Increment	R Selection	M	Tightening Torque	ℓ	Unit Price				
												①	②	③	④	⑤
KFPST GKFPST SKFPST CKFPST	M P G H	S M P G H	6	4.00-6.00	8-12	3.0-12.0	1.0-15.0	5 10 15 20 25 30	5	M3	147	5				
			6T	8-12	3.0-12.0											
			8	6.00-8.00	11-16	3.0-14.0										
			8T	11-20	3.0-16.0											
			10	7.00-10.00	8-16	3.0-18.0										
			10T	12-24	3.0-18.0											
			12	7.00-12.00	8-18	3.0-20.0										
			12T	13-26	3.0-20.0											
			13T	8.00-13.00	10-20	3.0-20.0										
			16T	10.00-16.00	16-32	3.0-20.0										
20	13.00-20.00	20-40	3.0-20.0													
20T	13.00-20.00	12-30	3.0-20.0													

① Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T")
 ② Note the strength of under-head part. **※ P.1566** ③ Please confirm pilot hole depth on **※ P.1566**. Holes may go through.
 * 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.
 ④ Precision Grade Price When A, B tolerance is selected, multiply by 1.1 to the above unit price. Example of Price Calculation: KFPSPA10-P8.00-L8-B3.0-E3.0-R10



Details of E and R Dimension Range

P	E		R Selection	
	0.01mm Increment	0.5mm Increment		
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

