

Support Pins

Stepped

Support Pins

Stepped, Configurable



■ Features: Locating Pins with the Broad Specifiable Range of Height. Height adjustment and Round/Diamond locating in the horizontal direction are possible.

■ Features: Each dimension of Stepped Support Pins is configurable.

Material	Surface Treatment	Hardness	Round			Diamond		
			Threaded	Tapped	Pilot	Threaded	Tapped	Pilot
① EN 1.1191 Equiv.	Black Oxide	-	SHPCB	SHPAB	SHPBB	SDPCB	SDPAB	-
② EN 1.1191 Equiv.	Hard Chrome Plating	Plating Hardness: 750HV ~	SHPCH	SHPAH	SHPBH	-	SDPAR	SDPBR
③ EN 1.1191 Equiv.	Black Oxide	Treated Hardness: 45 ~ 50HRC	SHPCHB	SHPAHB	SHPBHB	SDPCHB	-	SDPBHB
④ EN 1.1191 Equiv.	Hard Chrome Plating	Treated Hardness: 45 ~ 50HRC Plating Hardness: 750HV ~	-	SHPAHR	SHPBHR	-	-	SDPBHR
⑤ EN 1.4301 Equiv.	-	-	SHPCSU	SHPASU	SHPBSU	SDPCSU	SDPASU	SDPBSU
⑥ EN 1.4037 Equiv.	-	Treated Hardness: 50 ~ 55HRC	SHPCC	SHPAC	SHPBC	SDPCC	SDPAC	SDPBC

Ⓜ EN 1.4301 Equiv. may not be polished and may have no centering hole.

RoHS 10

Relief dimension is a reference value.

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Part Number	Type	D	L	P	B	m	d	M	Tightening Torque	ε1	W1	(W)	ε2
Threaded <Round>	Tapped <Round>	6	0.01mm Increment	0.01mm Increment	Selection	1	-	M3	98	-	5	1.0	8
SHPCB	SHPAB	8	10.00-50.00	3.00-4.00	2	6	-	M4	225	-	7	1.5	-
SHPCH	SHPAH	10	3.00-6.00	3.00-6.00	3	8	6	M5	461	6	8	1.5	-
SHPCHB	SHPAHB	12	4.00-8.00	4.00-8.00	4	10	8	M6	784	9	10	1.8	-
SHPCHS	SHPAHS	15	20.00-80.00	4.00-10.00	5	12	10	M8	1911	10	13	2.2	10
SHPCHS	SHPAHS	20	4.00-10.00	5.00-10.00	-	16	12	M10	3783	10	17	2.5	-
SHPCHS	SHPAHS	25	8.00-15.00	8.00-15.00	-	-	16	M10	3783	10	20	3	-

Part Number	Type	D	P		Q	K	L	B	Unit Price					
			0.1mm Increment	Shouldered					Straight	Shouldered	Shouldered			
Straight Shouldered SHFJ GSHXJ GSHFJ GSHFN CSHFJ CSHXJ	Shouldered	3	3.5-6.0	3.0-5.0	2.00-5.00	3-6	10.00-60.00	2.0-5.0	① SHFJ	② GSHFJ	③ SSHFJ	④ CSHFJ	⑤ GSHXJ	⑥ CSHXJ
		4	4.5-7.0	3.0-5.0	2.00-6.00	4-8	10.00-60.00	2.0-10.0						
		5	5.5-8.0	3.0-7.0	2.00-7.00	5-10	10.00-60.00	2.0-10.0						
		6	6.5-10.0	5.0-7.0	4.00-9.00	6-12	10.00-80.00	2.0-12.0						
		8	9.0-13.0	5.0-8.0	4.00-12.00	8-16	10.00-80.00	2.0-15.0						
		10	11.0-15.0	6.0-11.0	5.00-14.00	10-20	10.00-100.00	2.0-20.0						

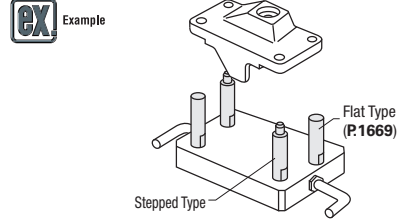
Ⓜ Pilot Type is not available for D6, D8. Ⓜ Note the strength of undercut part for Internal Thread and Pilot. Ⓜ P1566

* The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on Ⓜ P.2297.) Not applicable when using locking materials or lock washers.

Part Number	Type	D	P		Q	K	L	B	Unit Price					
			0.1mm Increment	Shouldered					Straight	Shouldered	Shouldered			
Straight Shouldered SHFU SHXU GSHFU GSHFU CSHFU CSHXU	Shouldered	6	6.5-10.0	5.0-7.0	4.00-9.00	6-12	10.00-80.00	2.0-12.0	① SHFU	② GSHFU	③ SSHFU	④ CSHFU	⑤ SHXU	⑥ CSHXU
		8	9.0-13.0	5.0-9.0	4.00-12.00	8-16	10.00-80.00	2.0-15.0						
		10	11.0-15.0	6.0-11.0	5.00-14.00	10-20	10.00-100.00	2.0-20.0						
		12	13.0-16.0	6.0-13.0	5.00-15.00	12-24	10.00-100.00	2.0-20.0						

Ordering Example

Part Number	L	P	B
SHPAR10	L20.01	P4.05	B5
SDPCSU20	L50.00	P8.00	B3



Part Number	Type	D	P		Q	K	L	B	Unit Price						
			0.1mm Increment	Shouldered					Straight	Shouldered	Shouldered				
Straight Shouldered SHFN SHXN GSHFN GSHFN CSHFN CSHXN	Shouldered	3	3.5-6.0	3.0-5.0	2.00-5.00	0-6	10.00-60.00	2.0-5.0	① SHFN	② GSHFN	③ SSHFN	④ CSHFN	⑤ SHXN	⑥ SSHXN	⑦ CSHXN
		4	4.5-7.0	3.0-5.0	2.00-6.00	0-8	10.00-60.00	2.0-10.0							
		5	5.5-8.0	3.0-7.0	2.00-7.00	0-10	10.00-60.00	2.0-10.0							
		6	6.5-10.0	5.0-7.0	4.00-9.00	0-12	10.00-80.00	2.0-12.0							
		8	9.0-13.0	5.0-9.0	4.00-12.00	0-16	10.00-80.00	2.0-15.0							
		10	11.0-15.0	6.0-11.0	5.00-14.00	0-20	10.00-100.00	2.0-20.0							

Ordering Example

Part Number	P	Q	K	L	B
SHPJ5	P6.0	Q4.50	K5	L30.55	B3.2

D	Unit Price Threaded						Unit Price Internal Thread						Unit Price Pilot					
	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥
6	SHPCB	SHPCH	SHPCHB	SHPCHS	SHPCHS	SHPCC	SHPAB	SHPAH	SHPAHB	SHPAHS	SHPAHS	SHPAC	SHPBB	SHPBH	SHPBHB	SHPBHR	SHPBSU	SHPBC
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

D	Unit Price Threaded						Unit Price Internal Thread						Unit Price Pilot					
	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥
6	SDPCB	SDPCR	SDPCHB	SDPCHS	SDPCSU	SDPCC	SDPAB	SDPAH	SDPAHB	SDPAHS	SDPASU	SDPAC	SDPBB	SDPBH	SDPBHB	SDPBHR	SDPBSU	SDPBC
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Alterations

Part Number	P	Q	K	L	B
SHPX10	P8.5	Q5.00	K10	L80.00	B6.7

Alterations	Wrench Flats	Wrench Flats	Screwdriver Slot	Relief
	SC	HC	DRC	NNC
Code	SC	HC	DRC	NNC
Spec.	SC=1mm Increment SC>D Ordering Code SC8 Ⓜ For Tapped, SC=M1+3 Ⓜ Applicable to Straight only.	HC=1mm Increment HC>P HC>D Ordering Code HC10 Ⓜ Applicable to Shouldered only.	Width 0.8mm, Depth 1mm Ordering Code DRC Ⓜ Applicable to Threaded only.	Adds a relief at the thread end. Ordering Code NNC Ⓜ Applicable when K=0. Ⓜ Applicable to Threaded only.