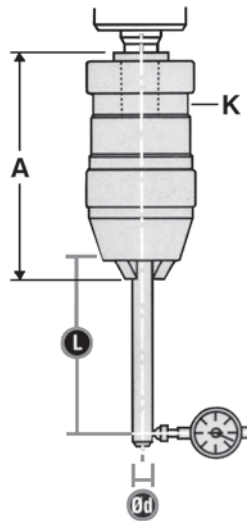


SP Precision Keyless Drill Chucks



- Self tightening feature automatically increases gripping force proportional to increased torque to prevent tool shank slippage. For right hand rotation applications only (left hand rotation available on request).
- Permits use on high accuracy drill presses, jig borers, milling machines and production drilling equipment.
- All components exposed to wear are completely hardened to maintain accuracy and extend chuck life.
- 100% of SP drill chucks are individually controlled to not exceed a maximum total integrated run-out of 0.04 mm/0.0015".
- Holding capacities up to 16 mm. diameter bits.
- Mounts available: DIN-238 tapers, Jacobs tapers, UNF threads.

SP - High Precision Model



Rule for run-out evaluation

Model	Capacity mm	Ød mm	L mm	Maximum Runout
SP-06	0-6.5	3	35	0.040 mm 0.0015"
		6	35	
SP-08	0-8	3	35	0.040 mm 0.0015"
		6	35	
		8	50	
SP-10	0-10	3	35	0.040 mm 0.0015"
		6	35	
		10	60	
SP-13	0-13	5	55	0.040 mm 0.0015"
		10	55	
		13	75	
SP-16	0-16	5	55	0.040 mm 0.0015"
		10	55	
		16	80	

Order No.	Device Type	Capacity Range				Dimensions				
		Minimum		Maximum		Taper Mount K	Dia MM D	A		
		inches	mm	inches	mm			Min. MM	Max. MM	
616-506	SP03J0	0	0	0.118	3	JT0	24.5	44	47.5	
616-507	SP03J1	0	0	0.118	3	JT1	24.5	44	47.5	
616-515	SPO6J1	0	0	0.236	6	JT1	31	62	70	
616-524	SPO8J1	0	0	0.315	8	JT1	37	67	74	
616-525	SP08J25	0	0	0.315	8	J2S	37	67	74	
616-530	SP10J33	0	0	0.394	10	JT33	41	81	89	
616-531	SP10J2	0	0	0.394	10	JT2	41	81	89	
616-540	SP13J33	0.039	1	0.512	13	JT33	46	88	99	
616-541	SP13J2	0.039	1	0.512	13	JT2	46	88	99	
616-542	SP13J6	0.039	1	0.512	13	JT6	46	88	99	
616-550	SP16J6	0.118	3	0.630	16	JT6	55	95	107	

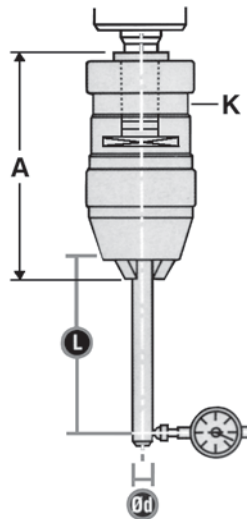
SPX Precision Keyless Drill Chucks - High Torque

TOOLHOLDERS & AUXILIARY PRODUCTS



- Self tightening feature automatically increases gripping force proportional to increased torque to prevent tool shank slippage. For right hand rotation applications only (left hand rotation available on request).
- For use on CNC machining centers in drilling, boring, counter-boring and milling operations requiring heavy penetration.
- Furnished with milled wrench flats and spanner wrench to allow application of supplementary gripping torque. Light tightening increases gripping torque up to 3 times higher than hand tightening.
- Resist tool loosening on high speed machines with instant spindle stop.
- 100% of SPX drill chucks are individually controlled to not exceed a maximum total integrated run-out of 0.04 mm/0.0015".
- Holding capacities up to 16 mm. diameter bits.
- Mounts available: DIN-238 tapers, Jacobs tapers.

SPX - High Torque & Precision Model



Rule for run-out evaluation

Model	Capacity mm	Ød mm	L mm	Maximum Runout
SPX-06	0-6.5	3 6	35 35	0.040 mm 0.0015"
SPX-08	0-8	3 6 8	35 35 50	0.040 mm 0.0015"
SPX-10	0-10	3 6 10	35 35 60	0.040 mm 0.0015"
SPX-13	0-13	5 10 13	55 55 75	0.040 mm 0.0015"
SPX-16	0-16	5 10 16	55 55 80	0.040 mm 0.0015"

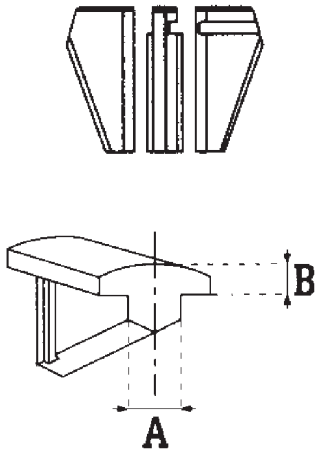
Order No.	Device Type	Capacity Range				Dimensions			
		Minimum		Maximum		Taper Mount K	Dia MM D	A	
		inches	mm	inches	mm			Min. MM	Max. MM
617-515	SPX06J1	0	0	0.236	6	JT1	31	62	70
617-524	SPX08J1	0	0	0.315	8	J1	37	67	74
617-525	SPX08J2S	0	0	0.315	8	JT2S	37	67	74
617-530	SPX10J33	0	0	0.394	10	JT33	43	81.5	90
617-531	SPX10J2	0	0	0.394	10	JT2	43	81.5	90
617-540	SPX13J33	0.039	1	0.512	13	JT33	46	88	99
617-542	SPX13J6	0.039	1	0.512	13	JT6	46	88	99
617-550	SPX16J6	0.118	3	0.630	16	JT6	55	95	107

Spare Parts

For SP, SPX, NPU, SPS Drill Chucks

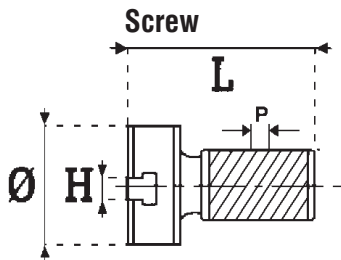
TOOLHOLDERS & AUXILIARY PRODUCTS

Jaws - set of 3

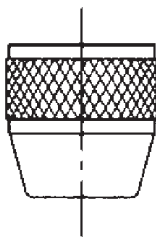


JAWS

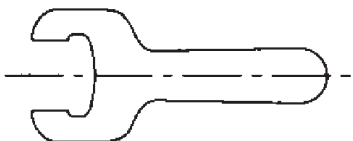
Drill Chuck Model	Sizes A x B (mm)	Order No.
SP-03	2.5 X 1.5	SP-03061
SP-06 / SPX-06	3.75 X 1.5	SP-06061
SP-08 / SPX-08 NPU-08/SPS-08	4.4 x 1.5 4.4 x 2.5	SP-08061 SP-08062
SP-10 / SPX-10 NPU-10/SPS-10	4.4 x 1.5 4.4 x 2.5	SP-10060 SP-10061
SP-13 / SPX-13 NPU-13/SPS-13	5 x 1.5 5 x 2.5	SP-13061 SP-13062
SP-16 / SPX-16 NPU-16/SPS-16	5 x 2.5	SP-16062



Hood



Wrench



SCREW, HOOD & WRENCH

Drill Chuck Model	Screw* Order No.	Hood Order No.	Wrench Order No.
SP-03	SP-0305	SP-0304	—
SP-06	SP-0605	SP-0604	—
SP-08	SP-0805	SP-0804	—
SP-10	SP-1005	SP-1004	—
SP-13	SP-1305	SP-1304	—
SP-16	SP-1605	SP-1604	—
SPX-06	SP-0605	SP-0604	SPX-0612
SPX-08	SP-0805	SP-0804	SPX-0812
SPX-10	SP-1005	SP-1004	SPX-1012
SPX-13	SP-1305	SP-1304	SPX-1312
SPX-16	SP-1605	SP-1604	SPX-1612
NPU-08	NPU-0805	SP-0804	SPX-0812
NPU-10	SP-1005	SP-1004	SPX-1012
NPU-13**	SP-13051**	—	—
NPU-13*	NPU-1305*	SP-1304	SPX-1312
NPU-16	NPU-1605	SP-1604	SPX-1612
SPS-08	NPU-0805	SP-0804	SPX-0812
SPS-10	SP-1005	SP-1004	SPX-1012
SPS-13	SP-1305*	SP-1304	SPX-1312
SPS-16	NPU-1605	SP-1604	SPX-1612

Sizes "H", "L" and Ø should be indicated when ordering for Screws

* P = 3mm

** P = 2.25mm (for model NPU13 from May 2000)