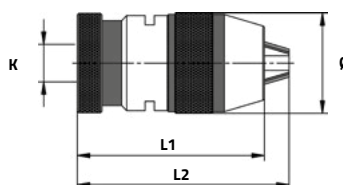


SP

Super Precision Keyless Drill Chucks

- Maximum total integrated run-out of 0,04 mm (.0016").
- Self-tightening feature automatically increases gripping force in proportion to increased torque to prevent tool shank slippage. For right-hand rotation applications only.
- 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.
- Also available with through hole, for EDM machines, on demand.



SPX

Super Precision Keyless Drill Chucks, with supplementary gripping torque

- Maximum total integrated run-out of 0,04 mm (.0016").
- SPX drill chucks offer the same features as SP, with the advantage of being 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.
- For use on CNC machines in drilling, boring, counter-boring and milling operations requiring heavy feed.
- Resistance to tool loosening on high-speed machines with instant spindle stop.



MODEL	CAPACITY		MOUNT	SIZES mm.			WEIGHT
no.	mm.	inches	K	Ø	L1	L2	gr.
SP-1.5 B-6	0,2 - 1,5	0,008" - 1/16"	B-6	19,4	35	37,3	80
SP-1.5 J-0	0,2 - 1,5	0,008" - 1/16"	J-0	19,4	35	37,3	80
SP-03 B-6	0,3 - 3	1/64" - 1/8"	B-6	24,5	44	47,5	200
SP-03 B-10	0,3 - 3	1/64" - 1/8"	B-10	24,5	44	47,5	200
SP-03 J-0	0,3 - 3	1/64" - 1/8"	J-0	24,5	44	47,5	200
SP-03 J-1	0,3 - 3	1/64" - 1/8"	J-1	24,5	44	47,5	200
SP-03 R-5/16	0,3 - 3	1/64" - 1/8"	5/16" x 24	24,5	44	47,5	200
SP-06 B-10	0,3 - 6,5	1/64" - 1/4"	B-10	33	62	70	360
SP-06 B-12	0,3 - 6,5	1/64" - 1/4"	B-12	33	62	70	360
SP-06 J-1	0,3 - 6,5	1/64" - 1/4"	J-1	33	62	70	360
SP-08 B-12	0,3 - 8	1/64" - 5/16"	B-12	38	67	74	460
SP-08 J-1	0,3 - 8	1/64" - 5/16"	J-1	38	67	74	460
SP-08 J2S	0,3 - 8	1/64" - 5/16"	J2S	38	67	74	460
SP-08 R-3/8	0,3 - 8	1/64" - 5/16"	3/8" x 24	38	67	74	460
SP-10 B-12	0,5 - 10	1/32" - 3/8"	B-12	43	81	89	720
SP-10 B-16	0,5 - 10	1/32" - 3/8"	B-16	43	81	89	720
SP-10 J-2	0,5 - 10	1/32" - 3/8"	J-2	43	81	89	720
SP-10 J-33	0,5 - 10	1/32" - 3/8"	J-33	43	81	89	720
SP-10 R-3/8	0,5 - 10	1/32" - 3/8"	3/8" x 24	43	81	89	720
SP-10 R-1/2	0,5 - 10	1/32" - 3/8"	1/2" x 20	43	81	89	720
SP-13 B-16	1 - 13	1/32" - 1/2"	B-16	49	91	103	1.000
SP-13 J-2	1 - 13	1/32" - 1/2"	J-2	49	91	103	1.000
SP-13 J-33	1 - 13	1/32" - 1/2"	J-33	49	91	103	1.000
SP-13 J-6	1 - 13	1/32" - 1/2"	J-6	49	91	103	1.000
SP-13 R-1/2	1 - 13	1/32" - 1/2"	1/2" x 20	49	91	103	1.000
SP-16 B-16	3 - 16	1/8" - 5/8"	B-16	55	95	107	1.320
SP-16 B-18	3 - 16	1/8" - 5/8"	B-18	55	95	107	1.320
SP-16 J-33	3 - 16	1/8" - 5/8"	J-33	55	95	107	1.320
SP-16 J-6	3 - 16	1/8" - 5/8"	J-6	55	95	107	1.320

MODEL	CAPACITY		MOUNT	SIZES mm.			WEIGHT
no.	mm.	inches	K	Ø	L1	L2	gr.
SPX-06 B-10	0,3 - 6,5	1/64" - 1/4"	B-10	33	62	70	580
SPX-06 B-12	0,3 - 6,5	1/64" - 1/4"	B-12	33	62	70	580
SPX-06 J-1	0,3 - 6,5	1/64" - 1/4"	J-1	33	62	70	580
SPX-08 B-12	0,3 - 8	1/64" - 5/16"	B-12	38	67	74	680
SPX-08 J-1	0,3 - 8	1/64" - 5/16"	J-1	38	67	74	680
SPX-08 J-25	0,3 - 8	1/64" - 5/16"	J-25	38	67	74	680
SPX-10 B-12	0,5 - 10	1/32" - 3/8"	B-12	43	81	89	940
SPX-10 B-16	0,5 - 10	1/32" - 3/8"	B-16	43	81	89	940
SPX-10 J-2	0,5 - 10	1/32" - 3/8"	J-2	43	81	89	940
SPX-10 J-33	0,5 - 10	1/32" - 3/8"	J-33	43	81	89	940
SPX-13 B-16	1 - 13	1/32" - 1/2"	B-16	49	91	103	1.220
SPX-13 J-2	1 - 13	1/32" - 1/2"	J-2	49	91	103	1.220
SPX-13 J-33	1 - 13	1/32" - 1/2"	J-33	49	91	103	1.220
SPX-13 J-6	1 - 13	1/32" - 1/2"	J-6	49	91	103	1.220
SPX-16 B-16	3 - 16	1/8" - 5/8"	B-16	55	95	107	1.540
SPX-16 B-18	3 - 16	1/8" - 5/8"	B-18	55	95	107	1.540
SPX-16 J-33	3 - 16	1/8" - 5/8"	J-33	55	95	107	1.540
SPX-16 J-6	3 - 16	1/8" - 5/8"	J-6	55	95	107	1.540

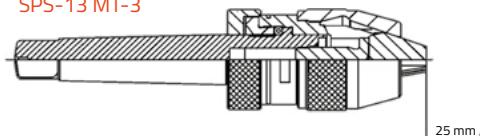
SPS-SOLID



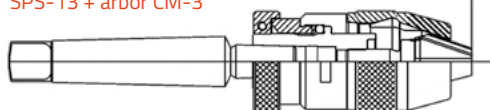
Super Precision Keyless Drill Chucks with Integrated Shank (Morse taper, straight shank or R-8)

- Maximum total integrated run-out of 0,04 mm (.0016").
- Arbor integrated in internal socket of drill chuck; compact design.
- No possibility of taper slipping from drill chuck.
- Greater rigidity and precision.
- Self-tightening feature automatically increases gripping force in proportion to increased torque to prevent tool shank slippage. For right-hand rotation applications only.
- 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.
- Resistance to tool loosening on high-speed machines with instant spindle stop.

SPS-13 MT-3



SPS-13 + arbor CM-3



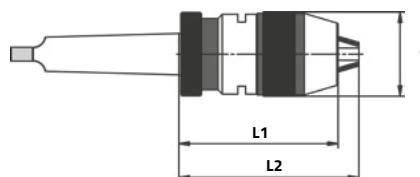
Compact Design

Greater Rigidity

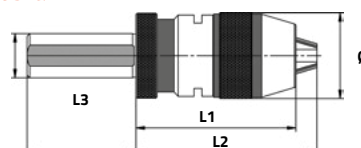
High Precision

MODEL	CAPACITY		MOUNT	SIZES mm.				WEIGHT
no.	mm.	inches	K	Ø	L1	L2	L3	gr.
SPS-08 MT-2	0,3 - 8	1/64" - 5/16"	cono morse 2	38	65	72	-	800
SPS-10 MT-2	0,5 - 10	1/32" - 3/8"	cono morse 2	43	73	82	-	1.020
SPS-13 MT-2	1 - 13	1/32" - 1/2"	cono morse 2	48	80	92	-	1.200
SPS-13 MT-3	1 - 13	1/32" - 1/2"	cono morse 3	48	80	92	-	1.320
SPS-13 MT-4	1 - 13	1/32" - 1/2"	cono morse 4	48	80	92	-	1.580
SPS-16 MT-2	3 - 16	1/8" - 5/8"	cono morse 2	54	85	96	-	1.600
SPS-16 MT-3	3 - 16	1/8" - 5/8"	cono morse 3	54	85	96	-	1.720
SPS-16 MT-4	3 - 16	1/8" - 5/8"	cono morse 4	54	85	96	-	1.980
SPS-13 CIL-20	1 - 13	1/32" - 1/2"	cilind. 20	48	80	92	60	1.320
SPS-13 CIL-25	1 - 13	1/32" - 1/2"	cilind. 25	48	80	92	61	1.320
SPS-13 CIL-32	1 - 13	1/32" - 1/2"	cilind. 32	48	80	92	63	1.440
SPS-16 CIL-20	3 - 16	1/8" - 5/8"	cilind. 20	54	88	98	60	1.600
SPS-16 CIL-25	3 - 16	1/8" - 5/8"	cilind. 25	54	88	98	61	1.680
SPS-16 CIL-32	3 - 16	1/8" - 5/8"	cilind. 32	54	88	98	63	1.800
SPS-13 R-8	1 - 13	1/32" - 1/2"	R-8	48	82	90	-	1.580
SPS-16 R-8	3 - 16	1/8" - 5/8"	R-8	54	87	98	-	1.800

Morse Taper



Straight Shank



R-8

