

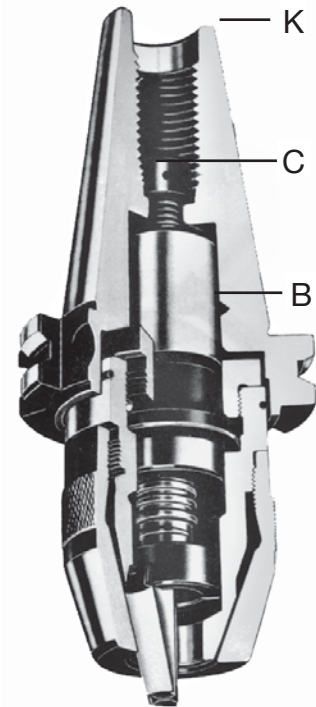
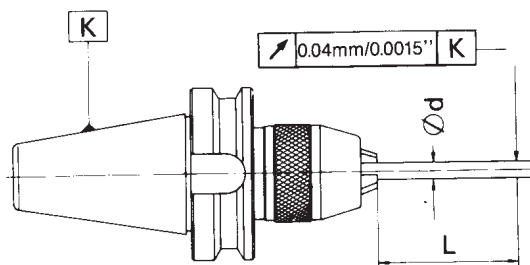
# NPU CNC Precision Keyless Drill Chucks

By light key tightening, Techleader obtains 2.5 to 3 times increased gripping torque compared to tightening by hand



- Supplementary Gripping Torque
- Self Tightening

- Use in high speed CNC machines with rig hand rotation and instant spindle stop.
- Use on boring, drilling, milling, counterboring, etc. operations with heavy penetration.

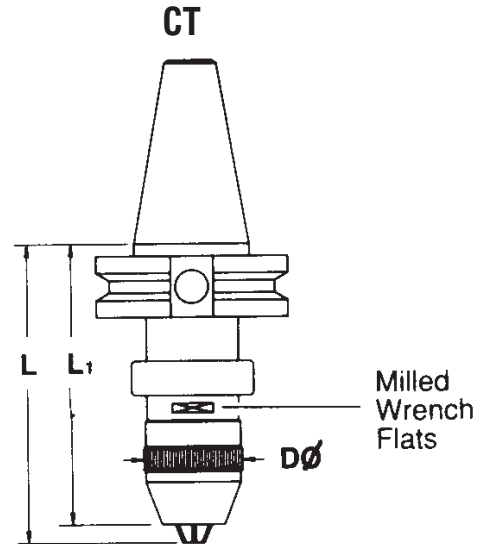
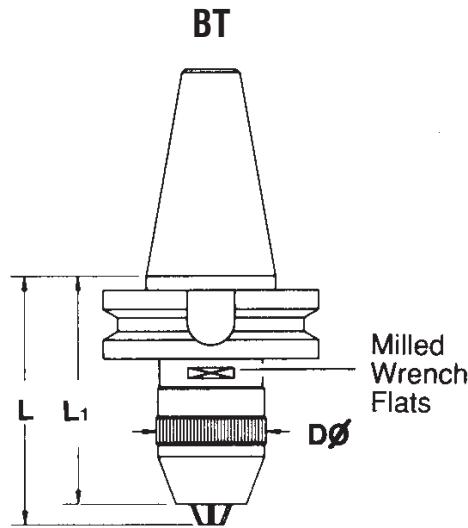


**HIGH CONCENTRICITY**

Model	Ø d mm	L mm	Maximum Runout	
			mm	inches
NPU <sub>08</sub>	3	35	0.040 mm	0.0016"
	6			
	8			
NPU <sub>13</sub>	5	55	0.040 mm	0.0016"
	10			
	13	75		
NPU <sub>16</sub>	5	55	0.040 mm	0.0016"
	10			
	16	80		

# NPU CNC Precision Keyless Drill Chucks

TOOLHOLDERS & AUXILIARY PRODUCTS



## BT Flange

Taper	Order No.	Device Type	Capacity Range				Dimensions					
			Minimum		Maximum		Closed (L)		Open L <sub>1</sub>		Sleeve dia (D)	
			inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
30	487-008	BT30-NPU-08	0	0	0.315	8	3.11	79	2.87	73	1.46	37
30	487-010	BT30-NPU-10	0	0	0.394	10	3.50	89	3.82	97	1.69	43
40	487-208	BT40-NPU-08	0	0	0.315	8	3.31	84	3.07	78	1.46	37
40	487-209	BT40-NPU-08L	0	0	0.315	8	4.49	114	4.25	108	1.46	37
40	487-210	BT40-NPU-10	0	0	0.394	10	3.11	79	3.42	87	1.69	43
40	487-211	BT40-NPU-10L	0	0	0.394	10	4.29	109	4.60	117	1.69	43
40	487-213	BT40-NPU-13	0.039	1	0.512	13	3.82	97	3.39	86	1.89	48
40	487-214	BT40-NPU-13L	0.039	1	0.512	13	5.79	147	5.35	136	1.89	48
40	487-216	BT40-NPU-16	0.118	3	0.630	16	4.57	116	4.13	105	2.17	55
50	487-413	BT50-NPU-13	0.039	1	0.512	13	4.25	108	3.82	97	1.89	48
50	487-416	BT50-NPU-16	0.118	3	0.630	16	4.17	106	3.74	95	2.17	55
50	487-417	BT50-NPU-16L	0.118	3	0.630	16	6.14	156	5.71	145	2.17	55

## CT Flange

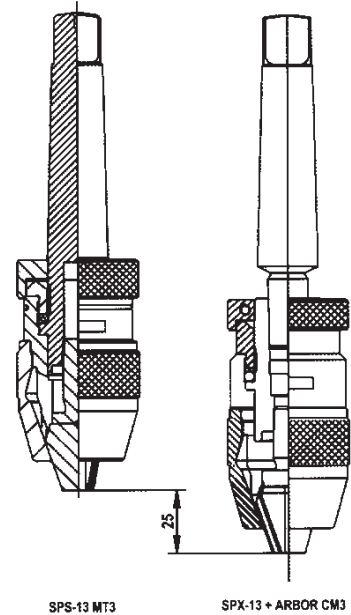


Taper	Order No.	Device Type	Capacity Range				Dimensions					
			Minimum		Maximum		Closed (L)		Open L <sub>1</sub>		Sleeve dia (D)	
			inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
40	488-208	CT40-NPU-08	0	0	0.315	8	3.46	88	3.23	82	1.46	37
40	488-213	CT40-NPU-13	0.039	1	0.512	13	4.96	126	4.53	115	1.89	48
40	488-216	CT40-NPU-16	0.118	1	0.630	16	4.21	107	3.78	96	1.89	48
50	488-413	CT50-NPU-13	0.039	1	0.512	13	4.21	107	3.78	96	1.89	48
50	488-416	CT50-NPU-16	0.118	3	0.630	16	4.13	105	3.70	94	2.17	55

# SPS Keyless Drill Chucks



- The SPS-SOLID is a high precision keyless drill chuck, with the advantage that the arbor is integrated into the internal socket of the drill chuck.
- This integrated design makes it impossible for the arbor and the drill chuck to become accidentally separated, providing a unit of greater solidity and precision with, as a result of its compact design, accumulated run-out reduced to a minimum.
- Self-Tightening feature automatically increases gripping force proportional 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. Resist tool loosening on high speed machines with instant spindle stop.
- 100% of SPS-SOLID drill chucks are individually controlled to not exceed a maximum total integrated run-out of 0.04 mm/0.0016".



## Model SPS-SOLID with INTEGRAL SHANKS MORSE TAPER

Taper	Order No.	Device Type	CAPACITY RANGE ød				DIMENSIONS				SLEEVE Dia (D)	
			minimum		maximum		closed (L)		open L		Inches	mm
			Inches	mm	Inches	mm	Inches	mm	Inches	mm		
MT2	618-082	SPS08-MT2	0	0	0.3125"	8	2.83"	72	2.56"	65	1.44"	36.5
MT2	618-102	SPS10-MT2	0	0	0.375"	10	3.23"	82	2.87"	73	1.69"	43
MT2	618-132	SPS13-MT2	0.031"	1	0.500"	13	3.62"	92	3.15"	80	1.91"	48.5
MT3	618-133	SPS13-MT3	0.031"	1	0.500"	13	3.62"	92	3.15"	80	1.91"	48.5
MT4	618-134	SPS13-MT4	0.031"	1	0.500"	13	3.62"	92	3.15"	80	1.91"	48.5
MT2	618-162	SPS16-MT2	0.125"	3	0.625"	16	3.78"	96	3.35"	85	2.15"	54.5
MT3	618-163	SPS16-MT3	0.125"	3	0.625"	16	3.78"	96	3.35"	85	2.15"	54.5
MT4	618-164	SPS16-MT4	0.125"	3	0.625"	16	3.78"	96	3.35"	85	2.15"	54.5

## R8 TAPER

Taper	Order No.	Device Type	CAPACITY RANGE ød				DIMENSIONS				SLEEVE Dia (D)	
			minimum		maximum		closed (L)		open L		Inches	mm
			Inches	mm	Inches	mm	Inches	mm	Inches	mm		
R8	618-138	SPS13-R8	0.031"	1	0.500"	13	3.23"	82	3.54"	90	1.91"	48.5
R8	618-168	SPS16-R8	0.125"	3	0.625"	16	3.43"	87	3.86"	98	2.15"	54

**R8 TAPER**