SSPBTN220

Size R0.1 × neck taper angle30′～ R1×neck taper angle2°

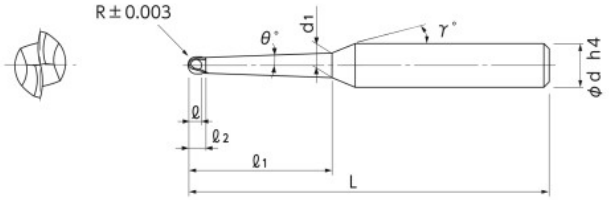
CBN ≦70 HRC

CBN Super Spiral Long Taper Neck Ball End Mill

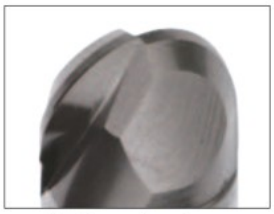
Total 64 sizes

2 | 20° | R ±0.003 | φd h4 | 3D

Taper neck design for high rigidity.
Suitable for deep and high accurate finishing



- To realize more rigid, CBN long neck ball end mill with taper neck are adopted.
- Both efficiency and accuracy are increasing by taper neck design and spiral ball shape with improved sharpness in finish machining on deep milling.



Cutting edge shape

Unit : mm

Code No.	Radius (R)	Neck Taper Angle (θ)	Under Neck Length (ℓ1)	Effective Inclined Angle (α)	Neck Dia. (d1)	Length of Cut (ℓ)	Under Neck Length2 (ℓ2)	Neck Taper Angle (γ)	Shank Dia. (d)	Overall Length (L)
01-00507-01020	R0.1	30′	1.5	0°15′	0.22	0.15	0.25	15°	4	50
01-00507-01021			2	0°15′	0.22	0.15	0.25	15°	4	50
01-00507-01030		1°	1.5	0°45′	0.24	0.15	0.25	15°	4	50
01-00507-01031			2	0°45′	0.25	0.15	0.25	15°	4	50
01-00507-01040		1°30′	1.5	1°15′	0.27	0.15	0.25	15°	4	50
01-00507-01041			2	1°15′	0.29	0.15	0.25	15°	4	50
01-00507-01050		2°	1.5	1°45′	0.29	0.15	0.25	15°	4	50
01-00507-01051			2	1°45′	0.32	0.15	0.25	15°	4	50
01-00507-01520	R0.15	30′	2	0°16′	0.32	0.23	0.38	15°	4	50
01-00507-01521			3	0°16′	0.33	0.23	0.38	15°	4	52
01-00507-01530		1°	2	0°46′	0.35	0.23	0.38	15°	4	50
01-00507-01531			3	0°46′	0.38	0.23	0.38	15°	4	52
01-00507-01540		1°30′	2	1°16′	0.39	0.23	0.38	15°	4	50
01-00507-01541			3	1°16′	0.43	0.23	0.38	15°	4	52
01-00507-01550		2°	2	1°46′	0.42	0.23	0.38	15°	4	50
01-00507-01551			3	1°46′	0.48	0.23	0.38	15°	4	52
01-00507-02020	R0.2	30′	3	0°18′	0.43	0.3	0.5	15°	4	50
01-00507-02021			4	0°18′	0.44	0.3	0.5	15°	4	52
01-00507-02030		1°	3	0°48′	0.48	0.3	0.5	15°	4	50
01-00507-02031			4	0°48′	0.51	0.3	0.5	15°	4	52
01-00507-02040		1°30′	3	1°18′	0.53	0.3	0.5	15°	4	50
01-00507-02041			4	1°18′	0.58	0.3	0.5	15°	4	52
01-00507-02050		2°	3	1°48′	0.58	0.3	0.5	15°	4	50
01-00507-02051			4	1°48′	0.64	0.3	0.5	15°	4	52

Long Neck Tapered Ball

How to Order When you order, indicate SSPBTN220 (R)×(θ)×(ℓ1). ※(γ) is reference value.