



Size R0.1~R2

# HTNB

Super MG
HARD MAX
30°
R ±0.005
Shank Dia 0/-0.005
Back Taper Geometry

Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Work Material																	
Carbon Steels S45C S55C	Alloy Steels SK / SCM SUS	Prehardened Steels NAK HPM	Hardened Steels					Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled Plastics	Titanium Alloys	Heat Resistant Alloys	Cemented Carbide	Hard Brittle (Non-Metallic) Materials
			~50HRC	~55HRC	~60HRC	~65HRC	~70HRC										
○	○	●	●	●	●	●	○				●			○	○		

Total 245 models

Model Number	Radius of Ball Nose R	Neck Taper Angle TN	Neck Length ℓ <sub>2</sub>	Effective Length ℓ <sub>1</sub>	Length of Cut ℓ	Neck Diameter φ <sub>d1</sub>	Shank Taper Angle B <sub>ta</sub>	Overall Length L	Shank Diameter φ <sub>d</sub>	Shape	Suggested Retail Price ¥						
HTNB 2002-015-1	R0.1	30'	1.5	—	0.16	—	16°	50	4	A	11,520						
HTNB 2002-020-1			2					50	4		12,120						
HTNB 2002-030-1			3					50	4		14,400						
HTNB 2002-015-2		1°	1°					1.5	50		4	11,520					
HTNB 2002-020-2								2	50		4	12,120					
HTNB 2002-030-2								3	50		4	14,400					
HTNB 2002-015-3		1°30'	1°30'					1.5	50		4	11,520					
HTNB 2002-020-3								2	50		4	12,120					
HTNB 2002-030-3								3	50		4	14,400					
HTNB 2003-020-1		R0.15	30'					2	—		0.24	—	16°	50	4	A	11,520
HTNB 2003-030-1								3						50	4		12,120
HTNB 2003-020-2								1°						1°	2		50
HTNB 2003-030-2	3		50	4	12,120												
HTNB 2003-020-3	1°30'		1°30'	2	50	4	11,520										
HTNB 2003-030-3				3	50	4	12,120										
HTNB 2004-030-1	R0.2	30'	3	—	0.32	—	16°	50	4	A	8,880						
HTNB 2004-040-1			4					50	4		8,880						
HTNB 2004-060-1			6					50	4		9,600						
HTNB 2004-030-2		1°	1°					3	50		4	8,880					
HTNB 2004-040-2								4	50		4	8,880					
HTNB 2004-060-2								6	50		4	9,600					
HTNB 2004-030-3		1°30'	1°30'					3	50		4	8,880					
HTNB 2004-040-3								4	50		4	8,880					
HTNB 2004-060-3								6	50		4	9,600					

- φ3mm Shank V Series
- UDC-PCD Series
- CBN Series
- Square
- Long Neck Square
- Radius
- Long Neck Radius
- Taper Neck Radius
- Ball / Long Shank Ball
- Long Neck Ball
- Taper Neck Ball
- Taper
- Barrel
- Spiral V Cutter
- Drill
- Technical Data