

Advanced  
Engineering

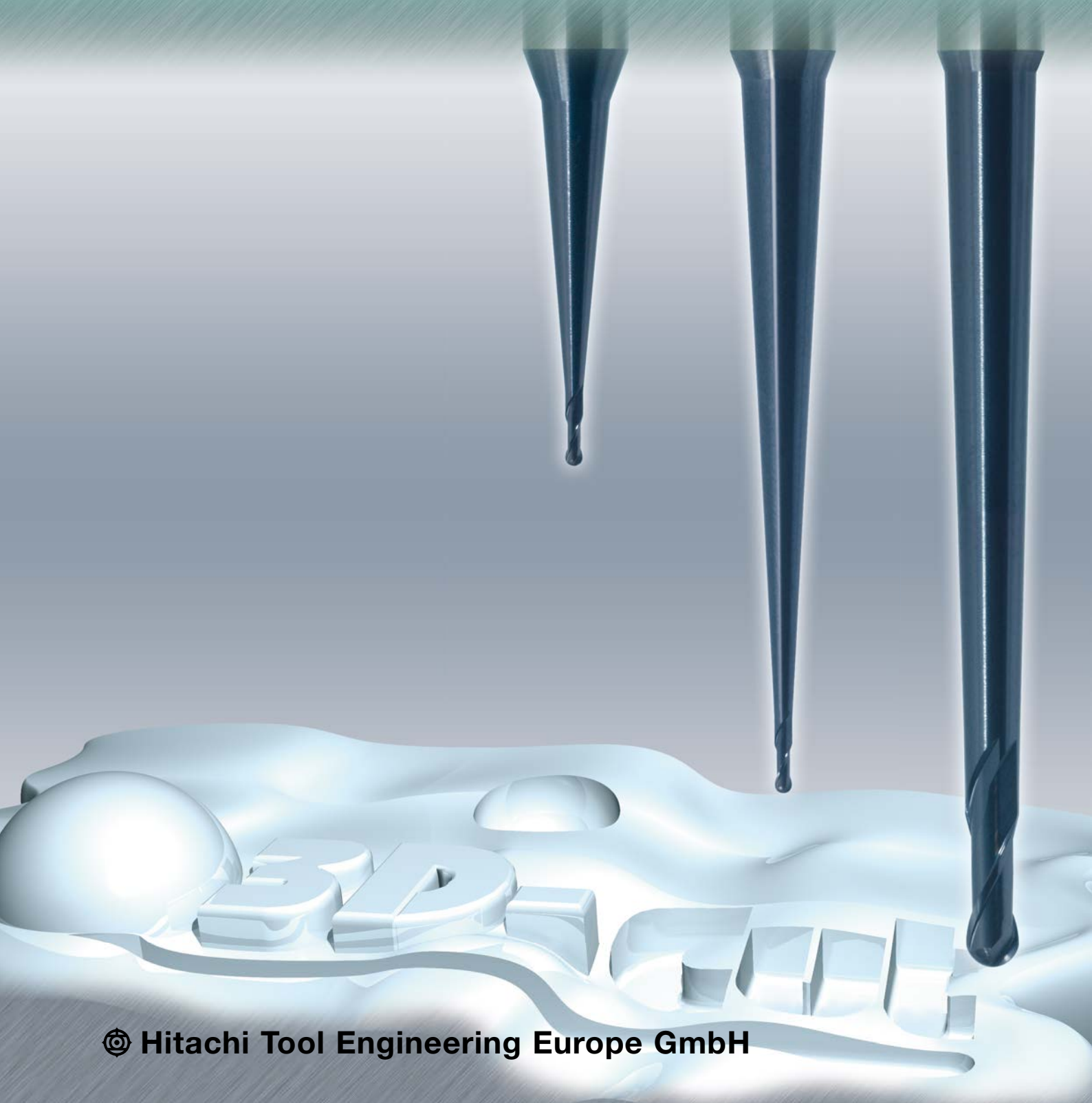
Hitachi Tool

**HITACHI**  
Inspire the Next

**3D-Cut**

No. 407.2

**EPBPN** *Epoch Ball Pencil Neck*  
*Long Carbide Ball End Mill*  
*R 0.5 mm ~ R 6.0 mm (HSC-HPC-HHC)*



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Micro Grain Carbide – TiAlN Century Coated

EPBPN | Epoch Ball Pencil Neck

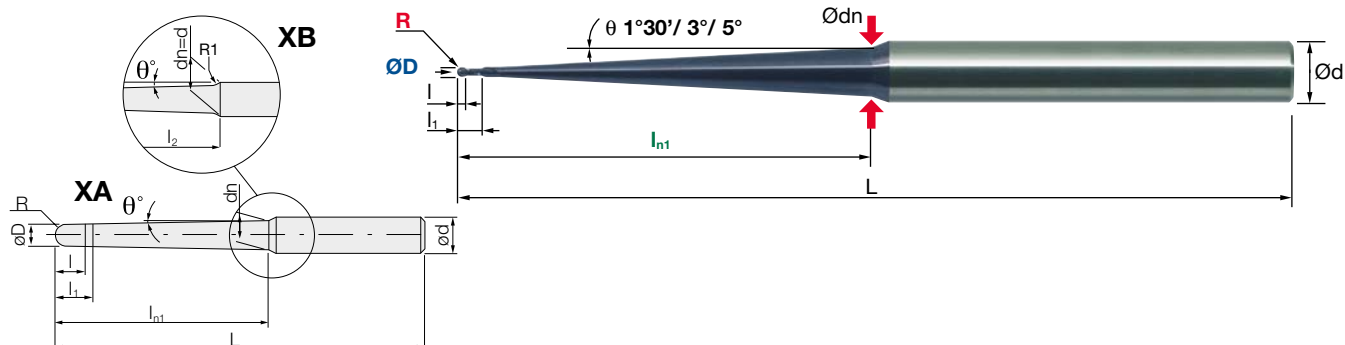
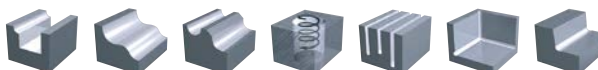
V max  
High Speed

▽▽▽  
Finishing

HRC  
65

▮▮▮  
Rib. Miniature

No. of  
Teeth  
2



Carbide  
Micro Grain

C  
Century Coating

Rake Angle  
Positive

Helix angle 30°  
R ± 0.01 mm  
D 0/-0.01 mm  
ød h6

ID Code	Item Code	Stock	Z	Size										Type
				R	ØD	θ°	l	dn	l <sub>1</sub>	l <sub>n1</sub>	L	d		
EP186	EPBPN-2010-15	■	2	0.5	1	1°30'	2.5	1.8	4	20	60	6	XA	
EP187	EPBPN-2010-30					3°		4.8		40				80
EP188	EPBPN-2010-50					5°		3.8		20				60
EP189	EPBPN-2020-15			1	2	1°30'	5	2.7	7	20	80	6	XA	
EP190	EPBPN-2020-30					3°		5.5		40				80
EP191	EPBPN-2020-50					5°		4.3		20				60
EP192	EPBPN-2030-15			1.5	3	1°30'	8	5.1	10	50	90	8	XA	
EP193	EPBPN-2030-30					3°		6		30				70
EP194	EPBPN-2040-15					1°30'		12		48.2				90
EP195	EPBPN-2040-30			3°	29.1	70								
EP196	EPBPN-2050-15			1°30'	10	60	110		8	XA				
EP197	EPBPN-2050-30			3°		40.6		90						
EP198	EPBPN-2060-15			1°30'		12		52.2			110	XB		
EP199	EPBPN-2060-30			3°	33.1		90							
EP200	EPBPN-2070-15			1°30'	14		60	120	10	XA				
EP201	EPBPN-2070-30			3°		40	100							
EP202	EPBPN-2080-15			1°30'		18	54.2				120	12	XB	
EP203	EPBPN-2080-30			3°	35.1		100							
EP204	EPBPN-2100-15			1°30'	22		58.2	130	12	XA				
EP205	EPBPN-2100-30			3°		39.1	110							
EP206	EPBPN-2120-15			1°30'		25	80				160	16	XA	
EP207	EPBPN-2120-30			3°	63.2		140	XB						

**Micro Grain Carbide – TiAlN Century Coated**

**EPBPN** | Epoch Ball Pencil Neck

**Application and Tolerance**

— Finishing

Item	Tolerance			mm
	R	D	R	
EPBPN	0.5~6	0 / -0.01	+/- 0.01	h6



## Product Range

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Solid Carbide End Mills

micro**EndMill**

**CBN**  
Cubic Boron Nitride

**HD**  
COATING

**Epoch21**

**MINIATURE**

**3D-Cut**

Indexable Milling Tools

**Indexable**  
**Milling**

WHNSB Drills

**WHNSB**  
NONSTEP BORER

Milling Chucks

**Milling**  
**Chucks**

**Distributed by:**

