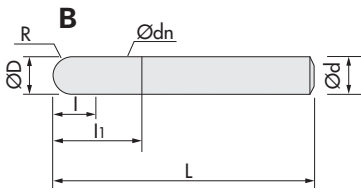
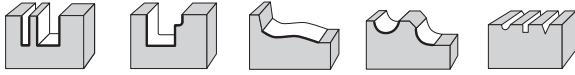




Ball Type

HPBLN | Hyper Ball Long Neck

V max High Speed	▽▽ Semi-Finishing	▽▽▽ Finishing	HRC 65	Rib. Miniature	No. of Teeth 2
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R	± 0.005
D	0/-0.015
d	0/-0.005

Carbide Micro Grain	C Century Coating	Rake Angle Positive
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ID Code	Item No.	Stock	Z	R	ØD	θ°	l	dn	l ₁	l _{n1}	l _{n2}	l _s	L	d	Type
CC 138	HPBLN-2005C	■	2	0.25	0.5		0.6	0.45	2.5				60	6	A
CC 139	HPBLN-2006C	■	2	0.3	0.6		0.7	0.55	3				60	6	A
CC 140	HPBLN-2008C	■	2	0.4	0.8		1	0.75	4				60	6	A
CC 141	HPBLN-2010C	■	2	0.5	1		1.3	0.95	5				60	6	A
CC 142	HPBLN-2012C	■	2	0.6	1.2		1.5	1.15	6				60	6	A
CC 143	HPBLN-2014C	■	2	0.7	1.4		1.8	1.35	7				60	6	A
CC 144	HPBLN-2015C	■	2	0.75	1.5		1.9	1.45	7.5				60	6	A
CC 145	HPBLN-2016C	■	2	0.8	1.6		2	1.55	8				60	6	A
CC 146	HPBLN-2018C	■	2	0.9	1.8		2.3	1.75	9				60	6	A
CC 147	HPBLN-2020C	■	2	1	2		2.5	1.95	10				60	6	A
CC 148	HPBLN-2025C	■	2	1.25	2.5		3	2.4	12.5				60	6	A
CC 149	HPBLN-2030C	■	2	1.5	3		4	2.9	15				80	6	A
CC 150	HPBLN-2035C	■	2	1.75	3.5		4.5	3.4	17.5				80	6	A
CC 151	HPBLN-2040C	■	2	2	4		5	3.9	20				80	6	A
CC 152	HPBLN-2050C	■	2	2.5	5		6	4.9	25				80	6	A
CC 153	HPBLN-2060C	■	2	3	6		7.5	5.9	30				80	6	B

■ = Stock | Germany

Carbide End Mills - TiAlN Century