

April 2018

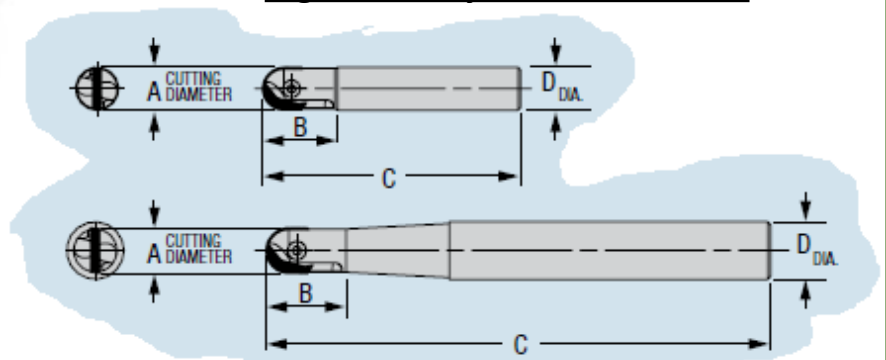
Greenleaf "TOOLBOX"

Excelsior Indexable Ball Nose Endmills , Not Just For Die & Mold

"Designed With Performance In Mind"



- Cutters Available In Standard Length
- Cutters Available In Extended Length
- Whisker Ceramic Inserts
- Multi Layered PVD Carbide Inserts
- Suitable For Roughing & Finishing
- High Accuracy For Min Run-Out



Cutter Part No.		Insert Ref	A	B	C	D	Grade	
Standard Length	Extended Length						WG-600	G-925
SSBN-M010		GBN-M010	10	17	100	16	●	●
	SSBN-M010E	GBN-M010	10	17	180	16	●	●
SSBN-M012		GBN-M012	12	19	110	16	●	●
	SSBN-M012E	GBN-M012	12	19	200	16	●	●
SSBN-M016		GBN-M016	16	25.4	130	20	●	●
	SSBN-M016E	GBN-M016	16	25.4	220	20	●	●
SSBN-M020		GBN-M020	20	32	140	25	●	●
	SSBN-M020E	GBN-M020	20	32	250	25	●	●
SSBN-M025		GBN-M025	25	36	150	32	●	●
	SSBN-M025E	GBN-M025	25	36	250	32	●	●



Material Group	Grade	Grade Info.	Speed M/Min																
			100	150	180	200	225	250	275	300	350	400	500	600	700	800	900	1200	4000
H13 : P20 :D2 4130-4150 (40Hrc)	G925	Carbide - PVD Coated																	
H13 : P20 :D2 4130-4150 (41-55Hrc)	WG600	Ceramic																	
H13 : A2 : D2 (>55 Hrc)	G925	Carbide - PVD Coated																	
H13 : A2 : D2 (>55 Hrc)	WG600	Ceramic																	
300 Series Stainless Steel (<40Hrc)	G925	Carbide - PVD Coated																	
400 Series Stainless Steel (<40Hrc)	G925	Carbide - PVD Coated																	
400 Series Stainless Steel (41-55Hrc)	WG600	Ceramic																	
High Temp Alloy (<42Hrc)	G925	Carbide - PVD Coated																	
High Temp Alloy (42-45Hrc)	WG600	Ceramic																	
1691-85	G925	Carbide - PVD Coated																	
1691-86	WG600	Ceramic																	

▲ Starting Point

For more information see Greenleaf Metalcutting Tools & Systems Catalogue 2016 (M34) or visit www.greenleafglobalsupport.com.

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