

GRADE COMPARISONS

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Horizon	Tool-Flo®	Kennametal®	Valenite®	Sandvik®	Carboloy®	RTW®	Applications
Uncoated Grades							
C10	GFI C22	K6	VC101	S6 (Low SFM)	---	CQ22	Tough Grades for low SFM in most materials. Good for interrupted cuts.
C20	C22 C25	K6 K68	VC2	H13A	883 HX	CQ2	General Purpose C2 Grades for Non-ferrous materials and Cast Iron .
C23 C23J	C25 C3	K68 K313	VC2 VC29	H10A H13A	883 890 HX	CQ2 CQ23	C2-C3 Grades for Non-ferrous materials such as Aluminum Copper & Plastic.
C56	C56H C6H	K420	VC5 VC56	S6	350 370 S25M	CY16	C5-C6 Grades for Carbon & Alloy Steels.
HCC	MP3 MP6	KT175	VC67	GC525	---	---	C7-C8 Ceramet Grades for high speed finishing in Steels.
PVD Coated Grades							
110	G4, GP4	KC720 KC5025	V1N VC901	---	CP50	---	Tough Coated C1 / C5 Grades for low SFM in most materials.
120	GP25	KC720	VC901 VN2	---	---	R302 027	General Purpose TIN Coated C2 Grades for Non-ferrous materials
123	GP22 GP25 GP3	KC730	VC901 VC929	1015 1025	CP30 CP50	R321	Coated C2-C3 Non-ferrous Grades. Also for light cuts in Steel & Stainless.
156	GP50 GP5 GP6	KC710	SV230 VN5 VN7	1025 225 2135	CP30	716 621	Coated C5-C6 Grades for Carbon & Alloy Steels.
310	AP22 AP25 AP3	KC720 KC5025	VC901 V1N	2135 225	CP50 CP200	---	Tough coated C1-C2 / C5 Grades for a wide range of materials at moderate speeds and feeds.
323	AP22 AP25 AP3 GP25 GP3	KC730 KC732 KC5010 KC5025 KC7310	VC901 VC929	1005 1015 1025 3020	CP50 CP200	R323	Coated C2-C3 / C6-C7 Grades for 300 Series Stainless, High Temp Alloys & Titanium.
323F	AP22 AP25 AP3 GP25 GP3	KC730 KC732 KC5010 KC5025 KC7310	VC901 VC929	1005 1015 1025 3020	CP30 - CP50 CP200	R323	Coated C2-C3 / C6-C7 Grades for 300 Series Stainless, High Temp Alloys & Titanium.
323G	AP22 AP25 AP3 GP25 GP3	KC730 KC732 KC5010 KC5025 KC7310	VC901 VC929	1005 1015 1025 3020	CP50 CP200	R323	Coated C2-C3 / C6-C7 Grades for 300 Series Stainless, High Temp Alloys & Titanium.
356	AP50 AP5 AP6	KC710 KC810 KC850 KC5025	SV210 VN7 SV230	1015 1025 225 2135	CP50	716	Coated C5-C6 Grades For Carbon & Alloy Steels plus 400 Series Stainless Steels.
CVD Coated Grades							
423	G22	KC732	V1N VN2 SV210	1015 1025 3020	---	027	CVD TIN coated C2-C3 / C7 Grades. For Non-Ferrous use & light cuts in Steel & Stainless.
456	G5 G53 G54	KC810 KC850	SV230	1025 225 2135	550	716 RC706	CVD TIN coated C5-C6 Grades for Carbon & Alloy Steels.
556	G53 G6	KC810 KC850 KC935	SV210 SV230	225 2135 4125	560 570	716 918 925 RC706 RC906	CVD Coated C5-C6-C7 Grades for Steels & Stainless at medium to high speeds.
<p>These are <u>Approximate</u> Grade Conversions. Bold Type = Standard Horizon Grades and Competitive Equivalents. For Best Results Please Call Horizon Carbide Tool for Grade Recommendations. See Page 4 for More Information on Horizon Carbide Grades</p>							