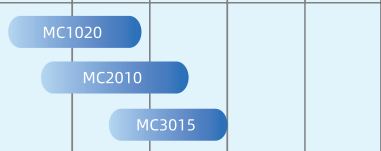
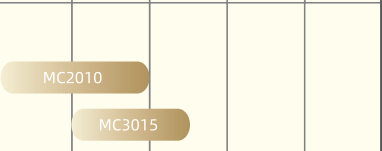
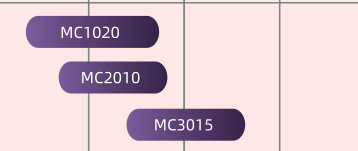


## Cermet Tools

Workpiece Material	Steel (Carbon steel/Alloy Steel)					Stainless steel Stainless steel/cast steel					Cast Iron (Grey cast iron/Nodular cast iron)			
Application	Fine $\longleftrightarrow$ Rough					Fine $\longleftrightarrow$ Rough					Fine $\longleftrightarrow$ Rough			
Material Type	P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	K01	K10	K20	K30
Suitable range of grades														

Grade	Color	Coating Hardness HV	Antioxidant Tem. (°C)	Frictional coefficient	Coating thickness (μm)	Recommendation
PV1120	Golden	3500	900	0.3	2-2.5	Steel, Alloy, HRC<50 Tempered steel
PV2110						
PV3115						
PV1220	Grey-black	3500	900	0.3	2-2.5	Steel machining
PV2210						
PV3215						
PV1320	Bronze	4200	1000	0.3	2-2.5	HRC<55 TS, SS, S
PV2310						
PV3315						

Grade	Density g/cm <sup>3</sup>	Base Material Hardness		Bending Strength (MPa)
		HV30	HRA	
MC1020	6.5	1650	93.0	1800
MC2010	6.8	1550	92.4	2300
MC3015	6.95	1520	92.0	2500

\*Below Table edited based on publication of brands,not official recognized by mentioned brands

Comparison Brands	Metcera	Kyocera	Mitsubishi	Taegutec	Korloy	Sumitomo	Tungoloy
Materials Application  P M K	MC1020 (Grounded Series)	TN60	NX2525	/	/	T1000A	/
	PV1120	PV720	NX2525	/	/	T1000A	/
	MC2010	TN60	/	CT3000	CN2000	T1200A	NS740 NS9530
	PV2110	PV720	/	CT3000	/	T1200Z	/
	MC3015	TN60	NX4545	/	CN20 CN30	T1500A	NS530
	PV3115	PV730	/	/	/	/	NS530