

Grade and applications

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Grade	Composition					Properties					Applications
	WC %	Co %	TaC %	Tic %	Other %	Size grain	Density g/cc	TRS N/mm2	Hardness Hv (+/-50)	Hardness HRA	
K05	95	4			1	small	15,05	2400	1901	93,0	Very high wear resistance, it is used where the hard metal comes into contact with very abrasive and hard materials
K20M	89	10			1	small	14,30	2800	1620	92,0	These grades are used for machine tool and manual operations on non-ferrous materials such as copper, cast iron, brass, aluminum and plastics. Thanks to their great versatility, the "K" grades are also used in the textile and paper industries as well as in the processing and extraction of stones and marbles
K15	90	10			0	small	14,50	2800	1570	91,8	
K20	93	7				medium	14,70	2500	1500	91,2	
K30	92	8				medium	14,65	2400	1450	90,5	
G2	88	12				medium/large	14,30	2800	1282	88,7	Where high toughness and impact resistance is required, the "G" grades are the ideal solution. They are used in rolling, deep drawing, hot and cold pressing, wire drawing, etc.
G3	85	15				medium/large	14,10	2800	1120	86,7	
G4	80	20				medium/large	13,60	2900	1050	85,5	
G5	75	25				large	13,10	2700	850	83,4	
P25	70	10	14	4	2	medium	12,55	1800	1430	90,6	Specifically designed for machining steel on machine tools. The particular composition makes them very resistant to pitting and lateral wear of the inserts. They are also characterized by excellent heat conduction that help the cooling process of the tool
P35	74	11	7	6	2	medium	12,50	2000	1430	90,3	
P40	79	11	5	5		medium	12,90	2050	1400	89,5	
M1	94	6				large	14,90	2600	1416	90,5	Our "Mining Application" grades are a reference point in the mining and road industry. They can withstand the severe mechanical stress related with this industry and offer adequate wear resistance.
M2	90	10				large	14,50	2750	1305	88,2	
M5	89	11				large	14,45	2650	1270	87,8	

Nashira Hardmetals via Campitello snc - 82030 Limatola (BN) Italy
Tel 0823 487074 - Fax 0823 482923 - nashirahardmetals.com

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