

GRADE CHART

CASTLEBAR	ISO Code	WC	<u> </u>	Grain	Hardness	TRS	Density
Code	150 0000	we	20	Size	(HRa)	(MPa)	(g/cm ³)
8805	K40-K50	88.0%	12.0%	Ultra_fine	02.5	4500	14.20
8805	Finishing and r	oughing of stee	ls with hardness	s between 10 a	and 55 HBC sta	els for surface t	reatments
•	nickel, and nicl	kel alloys. Also	suitable for ma	nufacturing wit	h micro end mi	lls on steel appl	ications.
9105	K20-K30	91.5%	8.5%	Ultra-fine	93.8	4700	14.50
5105	Suitable for fin	ishing manufac	turing high sne	ed steels with h	ardness hetwe	en 55 and 65 H	RC as HS and
•	tempered steels. Suitable for high speed milling and drilling of cast iron, non-ferrous metals, light alloys, composites, laminates of paper, plastic, graphite.						
9008	K20	90.0%	10.0%	Sub-micron	92.0	3500	14.50
•	extended life a 40 HR. Also sui	ind durability fo	num alloys, alu	cturing includin minum magnes	ium, cast iron,	d steels with ha	ardness up to terials.
8808	K40-K50	88.0%	12.0%	Sub-micron	91.1	3740	14.22
•	Stainless steel manufacturing, nickel alloys, titanium alloys, special alloys (Nimonic, Inconel, Monel, Hastelloy), brass, bronze, and roughing and drilling tender steels with irregular surfaces.						
9408	K10	94.0%	6.0%	Sub-micron	93.4	2600	14.80
•	Number one choice for diamond coating. Also suitable for drilling and milling of plastic composites, PCB, ceramics, woods in particular hard woods and composite woods (MDF) and steels.						
9412	К20	94.0%	6.0%	Fine	92.0	2206	14.90
•	Superior wear	resistance. Bur	s, oil field appli	cations, nozzles	, seats, discs, e	tc.	
8924	K20	89.0%	11.0%	Medium	88.0	2413	14.30
•	Exceptional to	ughness and fra	acture resistanc	e. Blade inserts	, flattening roll	S.	



Avg Size	Classification
< 0.2	Nano
0.2 ≤ 0.5	Ultra-Fine
0.5 ≤ 0.8	Sub-Micron
0.8 ≤ 1.3	Fine
1.3 ≤ 2.5	Medium
2.5 ≤ 6.0	Coarse
> 6.0	Extra-Course

