

Requirement	Explanation of Codes	
	Code	Code Definition
HOT & COLD ROLLED FINISH	EK1	99.5 % Al <sub>2</sub> O <sub>3</sub>
GRINDING WHEEL, SIZE: 750 X 80 X	180	Grit Size
305 MM, SPEC: EKI 180-I 8 REI DD	I	Hardness Degree - Soft
	8	Structure design – Open
	REI	Vitrified Bond
	DD	Diameter (In / Out) Shape-I

- Required grinding wheels are used for grinding of Hot & Cold rolls and these rolls are used for rolling of Copper, Brass, Gilding Metal & GMCS material.
- Maker of machine for which grinding wheel are required: **Herkulas, Germany**.
- Specification of material to be ground using grinding wheels is **7CrMoV**.
- Hardness of material to be ground using these grinding wheels: **90-97 Shore**.
- Make of grinding wheel already being used is **Atlantic Abrasive industries, Germany**.
- Chemical composition of **7CrMoV** is as under:

C%	Mn%	Si%	S%	P%	Ni%	Cr%	Mo%	V%
0.65~0.75	0.25~0.45	0.35Max	0.030Max	0.030Max	0.30Max	1.4~1.7	0.20~0.30	0.08~0.15

