

# CASTING



**Grey & SG casting**

**Applications-**

- Automobile
- Printing Machineries
- Other Machineries

Features	Benefits
1.Graphite flakes	Excellent machinability
2.Nodular structure	Low brittleness and high strength
3.Economical	Low production cost
4.Resist galling	Excellent vibration damping

## Chemical composition

Grades	C%	Si%	S%	Mn%	P%	Tensile N/mm <sup>2</sup>	BHN
FG 260	3.1-3.4	1.9-2.3	0.10	0.6-0.9	0.15	260	190-240
FG 300	3.0-3.3	1.8-2.2	0.10	0.6-0.9	0.12	300	210-260

Grades	Tensile Min Mpa	0.2% Proof stress	Elongation%	BHN	Predominant Structural	IS standard
SG 400/12	400	250	12	201 max	Ferrite	IS:1865-1974
SG 500/7	500	320	7	170-241	Ferrite & Pearlite	IS:1865-1974

