

Mfg. of
SG Iron Casting, CI Graded Casting, Carbon Steel Casting



www.vgepl.co.in

ABOUT COMPANY

We "Vagmine Engitech Pvt. Ltd." are leading organization betrothed in Manufacturing comprehensive assortment of CI Casting, SG Iron Casting, Carbon Steel Casting, SS Casting, etc.

We have started our company with very limited resources but due to hard work & quality cautiousness and vision of our power full management has helped us to grow at very high rate.

The infrastructural base is outfitted with all the requisite amenities and encompasses various units such as Procurement, Production, Quality Testing, Research & Development, Warehousing & Packaging and Transport & Logistics. These units are handled by our diligent professionals, who hold vast industrial experience. We have installed sophisticated machinery and equipment in our production unit. Furthermore, our prompt delivery, client centric approach, ethical business policies and easy payment modes have enabled us to gain trust of our clients across the nation.

OUR PRODUCTS

CI Graded Casting

Grades FG - 200/220, FG - 260, FG - 300, FG - 350

Technical Information

Standard Designation	Brinell Hardness	C (%)	Si (%)	Mn (%)	P. Max. (%)	S. Max. (%)
IS-210 - Grade FG-220	180-220	3.3-3.6	2.4-1.8	0.6-0.8	0.35	0.15
IS-210 - Grade FG-260	180-230	3.2-3.5	2.1-1.5	0.6-0.8	0.25	0.15
IS-210 - Grade FG-300	180-230	3.1-3.3	1.8-1.3	0.7-0.9	0.15	0.10
IS-210 - Grade FG-350	207 - 241	3.0-3.2	1.5-1.1	0.8-1.0	0.10	0.10

SG Iron Casting



Grades SG - 400/18, SG - 450/10, SG - 500/7,
SG - 600/3, SG - 700/2

Technical Information

ISO	C %	Si %	Mn %	P %	S %	Mg %	Cu %	Sn %
400-18	3.50-3.78	2.80-2.85	0.2-0.5	0.03-0.06	0.02-0.035	0.020-0.060	-	-
450-10	3.30-3.80	2.40-2.90	0.2-0.5	0.03-0.06	0.02-0.040	0.020-0.060	-	-
500-7	3.20-3.60	2.30-2.90	0.4-0.6	0.03-0.06	0.02-0.040	0.030-0.055	<0.4	-
600-3	3.00-3.50	2.40-2.80	0.3-0.5	0.03-0.06	0.02-0.040	0.035-0.050	0.30-0.40	-
700-2	3.65-3.90	1.70-1.90	0.3-0.5	<0.06	<0.03	0.035-0.050	0.30-0.40	0.03-0.06



Carbon Steel Casting

Grades WCA, WCB, WCC



	A216 WCA	A216 WCB	A216 WCC
Carbon	0.25% Max	0.30% Max	0.25% Max
Manganese	0.7% Max	1.00% Max	1.20% Max
Silicon	0.60% Max	0.60% Max	0.60% Max
Phosphorus	0.035% Max	0.035% Max	0.035% Max
Sulfur	0.035% Max	0.035% Max	0.035% Max
Nickel	0.50% Max	0.50% Max	0.50% Max
Chromium	0.50% Max	0.50% Max	0.50% Max
Molybdenum	0.20% Max	0.20% Max	0.20% Max
Copper	0.30% Max	0.30% Max	0.30% Max
Vanadium	0.02% Max	0.02% Max	0.02% Max
Total of Residual Elements	1.00% Max	1.00% Max	1.00% Max



SS Casting

Grades IS -304, IS -316

Technical Information

Grade		C	Mn	Si	P	S	Cr	Mo	Ni	N
304	Min.	-	-	-	-	-	18.0	-	8.0	-
	Max.	0.08	2.0	0.75	0.045	0.030	20.0	-	10.5	0.10
316	Min.	-	-	-	-	-	16.0	2.00	10.0	-
	Max.	0.08	2.0	0.75	0.045	0.030	18.0	3.00	14.0	0.10



QUALITY ASSURANCE



- Chemical Analysis by Spectrometer
- Microstructure Analysis with Metallurgical Image
- Brinell and Rockwell Hardness
- Ultimate Tensile Testing
- CE Meter for Instant Carbon Silicon Analysis
- Impact Testing
- Dimension Checking : Vernier Callipers, Gauges, etc.

Machining Solution

At Vagmine Engitech Pvt. Ltd., we take pride in offering premium casting product machining services to meet the diverse needs of our clients. With our state-of-the-art facilities, skilled workforce, and commitment to precision, we are your trusted partner for turning raw castings into high-quality finished products.



10, Pushp Estate, Nr. NK3 Estate, Bakrol,
Ahmedabad, Gujarat - 382430



sales@vgepl.co.in / ridhish@vgepl.co.in



www.vgepl.co.in



+91 - 99986 15546 (Mr. Ridhish Patel)



www.vgelp.co.in