

Ellen Ferrous Castings

ISO 9001 certified

Ductile/S.G. Iron
Grey Iron
Castings



Machined
Surface treated
& Application ready

Ellen Ferrous Castings is a 25 year old company, ideally located in the industrial hub of Coimbatore in South India.

Ellen Ferrous Castings manufactures S.G./Ductile & Grey Iron castings and is ISO 9001:2008 certified by TÜV.

We provide **End to End Solution** from **Tooling Development to supply of Machined, Surface Treated & Application Ready castings.**

CASTING RANGE

Weights:

S.G./Ductile Iron (EN-GJS): 5 to 40 Kgs

Grey Iron (EN-GJL): 5 to 70 Kgs

Box Dimensions:

400 x 520 x 150/150 mm

520 x 520 x 150/150 mm

650 x 650 x 300/250 mm

CASTING GRADES PRODUCED

Grades of S.G./Ductile Iron (Ferritic & Pearlitic)

Material	DIN	EN
S.G./ Ductile Iron	1693	
	GGG 40	EN-GJS-400-15 LT
		EN-GJS-400-15
	GGG 40.3	EN-GJS-400-18
	GGG 50	EN-GJS-500-7
	GGG 60	EN-GJS-600-3

Grades of Grey Iron

Material	DIN	EN
Grey Iron Castings	1691	
	GG 15	EN-GJL-150
	GG 20	EN-GJL-200
	GG 25	EN-GJL-250
	GG 30	EN-GJL-300

SURFACE TREATMENT PER YOUR SPECIFICATIONS

Metalization

Hot Dip Galvanization

Electro Cataphoresis Painting

Powder Coating

Liquid Painting

Painting as per ACQPA System





Indian Institute of Foundrymen

"Economic Growth Survey"
Government of India

Recent Achievement

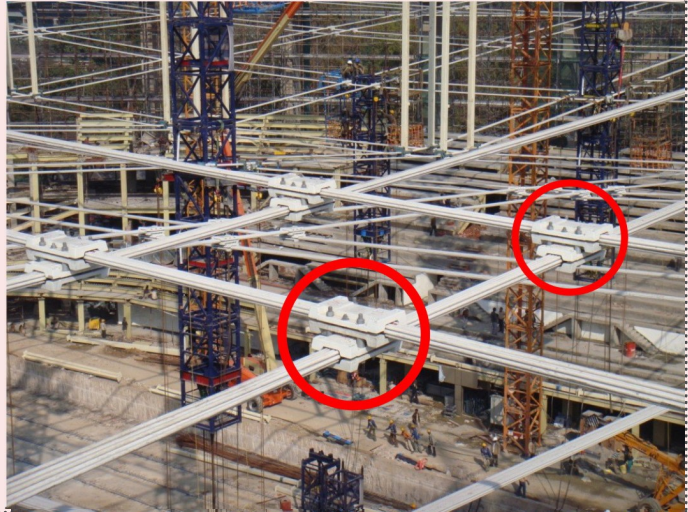
Supplied Fully Finished Clamps ready for installation in the roofing system of the SP Mukherjee Aquatic Stadium in Delhi, India.

Specification:

Cast in **EN-GJS-400-18 LT** Grade & Machined

Surface Treatments: **Hot Dip Galvanized**, Sand Blasted, Three Coat Painting as per **ACQPA C5 GNV 1057**

Tests Conducted: 25% **Radiography**, **Charpy Absorp-**



QUALITY CONTROL

Our team at Ellen has a high commitment to quality and customer service. Well refined online process control methods are backed with Lab testing. A number of testing procedures are incorporated into our daily activities including:

Sand	Testing and control of clay bonded moulding sand to provide casting accuracy and surface finish
Mechanical	Hardness, microstructure, elongation & tensile strength tests ensure our metal grades adhere to required standards
Chemical	Our in-house Spectrometer ensures that chemical composition conforms to the material grades

We are happy to accommodate any additional testing requirements including:

Charpy Absorption test at Ambient & (-20⁰ C)

Radiography test

Ultrasonic test

Die Penetration test



FOUNDRY FACILITIES

Plant/Machinery/Test Equipment	Make	Capacity/ Range/Size	Quantity
MELTING:			
1. Induction Furnace	Inductotherm	550KW with crucibles of 750 Kg	1
2. Cupola Furnace	Pioneer	2 Mt/hour	1
SPECTROMETER:			
1. Spectrometer	Spectro	Fe & Cu based	1
MOULDING:			
1. Fully Mechanised sand plant with high speed muller	----	10 Metric ton/hour Box 400x520x150	
2. ARPA 300 Moulding machine.	Disa	Box 520x520x150/200	4
3. ARPA 450 Moulding machine	Sarvamangala	Box 650x650x300	2
4. Screw Air Compressor	Elgi	30 HP	1
5. Screw Air Compressor	Elgi	25 HP	1
CORE SHOP:			
1. Core sand mixer	Wesman	100 Kg	1
2. Core Oven	KSM	24 Kw	1
3. Core Shooter M/C Cold Box	G.S.Machinery	10 Kg	1
4. Process			
FETTLING:			
1. Shot blasting machine.	Sree Abirami Equip-	350 Kgs	1

Plant/Machinery/Test Equipment	Make	Capacity/ Range/Size	Quantity
PATTERN SHOP:			
1. Facilities available for match-plate mounting and wooden pattern manufacturing.	---	---	--
2. Lathe.	Kirloskar.	--	1
3. Surface Table	CI	6 ft x 4 ft	1
4. Measuring Instruments		0 - 600	
5. Height Gauge & Verniers	--	0 - 150 0 - 300	--
LABORATORY :			
1. Complete facilities for chemical analysis of metal.	--	--	--
2. Mould Hardness Tester	Versatile Equipments	--	1
3. Green Compression strength machine	Versatile Equipments	--	1
4. Sieve Shacker	Versatile Equipments	--	1
5. Sand Rammer	Versatile Equipments	--	1
6. Permeability Meter	Versatile Equipments	--	1
7. Clay washer	Versatile Equipments	--	1
8. Instant carbon silicon analyzer.	Suyash	--	1
9. Universal testing machine.	Fine	40 Tons	1
10. Brinell hardness testing machine	Fine	3000 Kg	1
11. Inverted stage metallurgical microscope	Metzer	--	1
12. Image Analyser	Metallogrphix	--	1

PRODUCT SEGMENTS

GENERAL ENGINEERING

Motor Components
Compressor Components
Transmission components

FLUID HANDLING

Valves
Pumps

CONSTRUCTION

Anchor Blocks

AUTOMOBILE

Steering Boxes



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