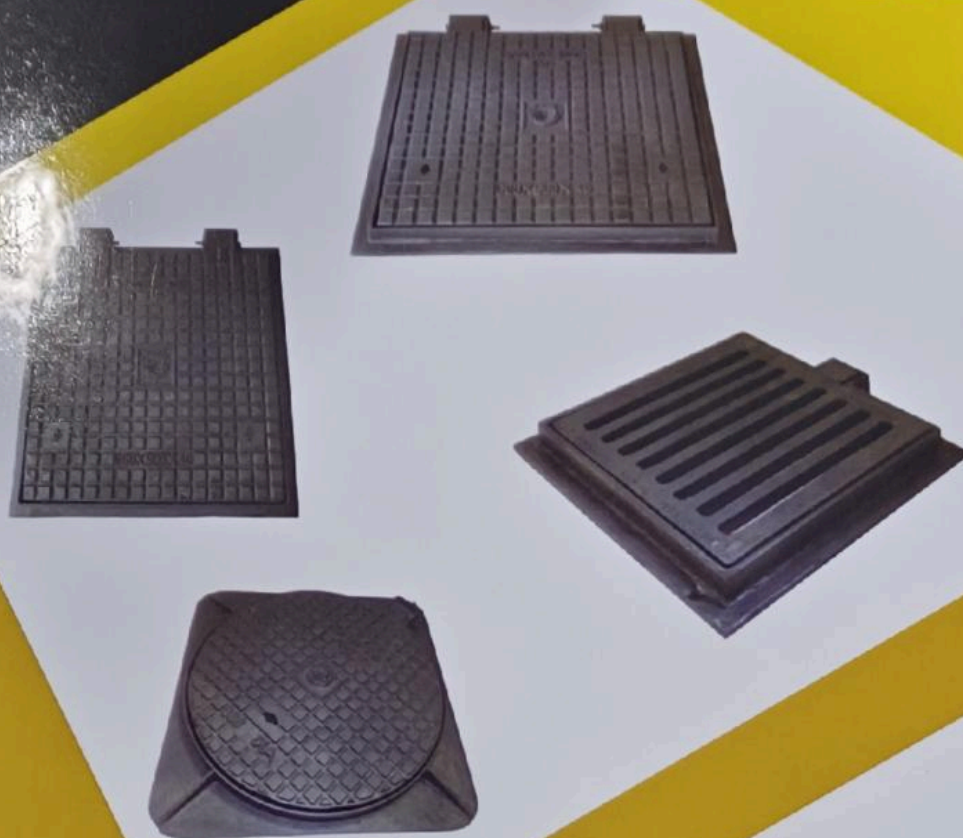




'Ductile Iron' Manhole Covers, Frames & Gratings

As per BS EN-124



Manufacturer of :

- Cast Iron Soil Pipes & Fittings
- Cast Iron Hubless Pipes & Fittings
- Cast Iron No Hub Pipes ASTM A888
- Cast Iron Socket & Spigot Spun Pressure Pipes & Fittings
- Ductile Iron Manhole Covers, Frames & Gratings
- Cast Iron Manhole Covers, Frames & Gratings
- Cast Iron Earthing Electrodes





is Strategically located at Nagpur in central India . We cater to the needs of elite clients across India, supported by a team committed to provide the best service apart from the best product in the market regardless of the quantum, size & volume of requirement .

The Keen, Constant efforts made by guidance of our team of technician of the field, have come to be fruitful to make success of the products of D.I.Manhole Covers, Frames & Grating Manufactured. As we are bound to do so for the sake of our reputation, we always maintain a vigorous check at every step during the manufacturing process for ensuring each product is up to the mark, both quality and durability wise.

There lies the secret of the success and popularity, which we have arrived at .

We believe Customer focus is key to our business success

BENEFITS OF USING DUCTILE IRON

Ductile iron behaves elastically over a considerable stress range in both tension and compression. these attributes are caused by the spheroidal shaping of graphite in the material. when stressed, the material is elastically deformed but doesn't break. the spheroidal structure also provides a higher strength-to-weight ratio compared with the properties inherent with grey iron manufacture

The Benefits Of Ductile Iron:

- Higher resistance and durability
- Ergonomic handling caused by less weight.

Physical & Mechanical Properties Of Foundry Grade Ductile Iron

PROPERTIES	CAST IRON	DUCTILE IRON
Tensile Strength Mpa	Max 300 Mpa	Max 900 Mpa
Hardness	Below 230 BHN	Below 230 BHN
Elongation %	Nil	Min 5%
Bending strength kg/mm ²	Over 34	Over 50
Elastic Co Efficiency Kg/mm ²	1.2X10 ⁴	1.7X10 ⁴
Impact value kg,M/cm ²	Izod Below 0.5	Charpy over 0.713
Thermal expansion coefficient	1.0X10 ⁻⁰⁵	1.0X10 ⁻⁰⁶
Specific Gravity	7.15	7.15

Square Manhole Cover with Frame



Sr. No.	Size	Class	Weght	
	(MM)		Grade	(KG)
1	300X300	A-15	LD	8
2	300X300	C-250	HD	33
3	450X450	B-125	MD	45
4	600X600	A-15	LD	40
5	600X600	B-125	MD	58
6	600X600	B-125	MD	65
7	600X600	C-250	HD	62
8	600X600	C-250	HD	90
9	600X600	D-400	EHD	105
10	750X750	B-125	MD	95
11	750X750	C-250	HD	125
12	900X900	B-125	MD	115
13	900X900	B-125	MD	125
14	900X900	C-250	HD	150
15	900X900	D-400	EHD	170

Rectangular Manhole Cover with Frame

Sr.No.	Size	Class	Weght	
	(MM)		Grade	(KG)
1	450X600	A-15	LD	30
2	450X600	B-125	MD	70
3	450X900	B-125	MD	80
4	600X900	A-15	LD	65
5	600X900	B-125	MD	105
6	450X600	C-250	HD	100
7	600X900	C-250	HD	104
8	600X900	C-250	HD	150
9	600X900	D-400	EHD	170



Circular Manhole Cover with Square Frame



Sr. No.	Size	Class	Weght	
	(MM)		Grade	(KG)
1	500 Dia	A-15	LD	25
2	500 Dia	B-125	MD	45
3	500 Dia	C-250	HD	65
4	600 Dia	A-15	LD	42
5	600 Dia	B-125	MD	65
6	600 Dia	C-250	HD	90

Hinged Grating with Frame

Sr. No.	Size	Class	Weght	
	(MM)		Grade	(KG)
1	150X150	A-15	LD	10
2	300X300	A-15	LD	12
3	400X400	A-15	LD	40
4	450X450	A-15	LD	32
5	450X450	B-125	MD	56
6	450X600	B-125	MD	38
7	600X600	B-125	MD	70
8	600X600	C-250	HD	90
9	600X900	A-15	LD	70
10	600X900	C-250	HD	120
11	900X900	C-250	HD	150



ADVANTAGES

KAPILANSH 'Ductile Iron' Manhole Covers, Frames & Gratings As Per BS EN-124

- Manufactured as per BS EN-124 Standard.
- Safe Handling due to high strength and low weight.
- Open/Close keyhole for easy lifting.
- Frames for better security.
- Anti-skid elegant checker design.
- Heavy duty traffic load bearing
- Cost effective in compare to other substitutes.

Optional Features:

- Looking Arrangement Available, If Required.
- Customized Patterns Can Be Developed as per Requirement.
- Buyer's Logo Provided As Per Buyer's Requirement.

LOAD CATEGORISATION :

Grade A15	1.5 MT (Light Duty),
Grade B125	12.5MT (Medium Duty),
Grade C250	25.0MT (Heavy Duty)
Grade D400	40.0MT (Extra Heavy Duty)

VARIOUS USAGES OF MANHOLE COVERS, FRAMES & GRATINGS

Manhole tops and gully gratings are regulated by standard BS EN-124. Within areas subjected to Pedestrian and Vehicular traffic the standard classifies Products according to their installation points.

CLASS A15



Areas Which Can Only Be Used By Pedestrians And Cyclists

CLASS B125



Footways, Pedestrian Areas, Car Parks, Car Parking Decks

CLASS C250



For Gully Tops Installed In The Area Of Kerbside Channels Of Roads

CLASS D400



Carriageways Of Roads For All Types Of Vehicles



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ISO 9001 : 2015 Certified