



**Kapilansh**

*Since 1988*



**Centrifugally Cast (Spun) Iron Pressure Pipes**  
CONFORMING TO IS 1536



**Manufacturer of :**

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



[www.kapilansh.com](http://www.kapilansh.com)



## MANUFACTURING PROCESS

## PROFILE

Kapilansh Dhatu Udyog Pvt. Ltd., has a proven track record since 1988 in manufacturing of Centrifugally Cast (Spun) Iron pressure pipes & Fiting. **"Kapilansh"** is promoted by a team of professional with a sole objective to manufacture the best quality of Centrifugally Cast (Spun) Iron pressure pipes for Water, Gas, Plumbing & Sewage (Better known as C. I. S & S Pipes) conforming to IS:1536

**Kapilansh Dhatu Udyog Pvt. Ltd.** 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 services apart from the best products in the market regardless of any quantum, size & volume of requirements.

*We believe customer focus is key to our business success.*

The Keen, Constant and extensive efforts made by guidance of our team of experts of the field, have come to be fruitful to make success of the products of (C. I. S & S Pressure Pipes) 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 pipe 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 manufacturing Superior quality piping systems has been able to evolve nationwide presence with state-of-art manufacturing facility that values total commitment for customer satisfaction. With more than three decades of engineering, design, manufacturing, experience and a unique system of innovation, our piping systems accepted. used & recognized by all the major government Departments, infra & Private projects as well as Industrial establishments. Needless to mention that due to quality of Product the life of our piping system is unmatched in compare to other substitute available in market.

The demand for clean water & Hygienic Disposal of sewage is a big challenge to the municipalities, water boards, as cities continue to expand, the demand for cost-effective water supply and distribution becomes important.



Metal Pouring



Pipe Casting



Extraction of Pipe



Annealing



Hydro Testing



Finished Stock



We apply scientific measures always to see that,

- Raw material is quality approved.
- Hydro tested as per quality norms.
- C.I.S&S Pressure Pipes manufactured are properly normalized
- Raw material is mixed as prescribed composition.

Special Aspects of our Products due to process properties:

- Homogeneous Grain Structure.
- Uniform thickness.
- Smooth Surface.
- Convenience for Cutting.
- Drilling & Machining at the site.

About Why C. I. S & S Pressure Pipes are preferable to the other types of pipes available in the market?

The aspects as under, which make C. I. S & S Pressure Pipes preferable are worth paying heed to.

- Ability to withstand Pressure.
- Resistant to Corrosion
- Non-Absorbent
- Higher flow capacity.
- Easy handling and laying.
- Zero maintenance cost.
- Inherent toughness.
- Higher Tensile Strength.
- Firm and easy Joint ability
- Machine ability.
- More economy.

### QUALITY TESTS

Ring test 80 to 400 DN	Modulus of rupture 390 (Min:) Mpa.
Tensile test 350 to 600 DN	Tensile strength 200 (Min:) Mpa.
Brinell Hardness test.	Max. 210 HBW

### HYDROSTATIC TEST PRESSURES (at works MPa)

CLASS	UPTO MPa	600 DN kg/ cm <sup>2</sup>
LA	3.5	36
A	3.5	36
B	3.5	36
D	3.5	36

The Cast Iron Socket & Spigot Pressure Pipes therefore reign supremacy over other types of pipes. Moreover C.I. S & S Pressure Pipes are usable as best carriers of -

- Waters for irrigation.
- Drinking and Industrial purposes.
- Brines & Liquid in Chemical Industries
- Big Infra Projects : Airports/Metro Rails
- Crude & Refined Oil.
- Ash handling.
- Plumbing etc.
- Sludge.

That is, for every purpose everywhere, hence only the meritorious C. I. S & S Pressure Pipes and especially those manufactured by us are on the top in the market today.

Our present manufacturing range is from 80 mm to 400 mm.

### CAST IRON FITTINGS

We are proud to introduce ourselves as one of the eminent manufacturers of Cast Iron Fittings, which are capable to survive the high pressure with longer durability and better performance. These Cast Iron Fittings are manufactured using quality material, sourced from the trusted vendors of the industry. As Cast Iron Fittings provider we serve clients from varied sectors and have an umbrella experience of various requirement of clients.

Our entire range of Cast Iron Fittings is manufactured by most experienced engineers who design the pipe fittings with cast iron that are applicable in different industries. These Cast Iron Fittings are appreciated for high durability, efficient performance, easy maintenance, and superior functioning.

Our range of fittings is as follows :

1. C I Flange Fittings as per IS:1538
2. C I Socketed (Lead/ Drip Seal joint) Fittings as per IS:1538.
3. C I Mechanical Joint Fittings as per IS:13382.
4. Customized Fittings as per requirement.

#### C I Fittings Applications :

C I Flange Fittings: The cast Iron Flange Fittings are suitable for use with Cast Iron Flanged Pipes.

C I Socketed (Lead / Drip Seal Joint) Fittings: The Lead Joint/ Drip Seal Joint fittings are used with Cast Iron Socket & Spigot Pipes.

C I Mechanical Joint Fittings: The Mechanical Joint Fittings are used with Cast Iron & Ductile Iron Socket & Spigot Pipes.

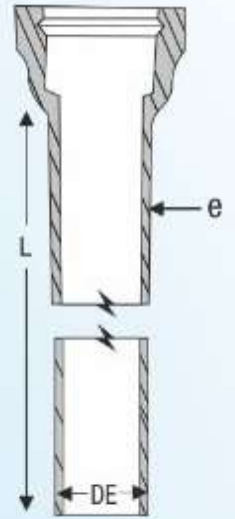




## TECHNICAL SPECIFICATION

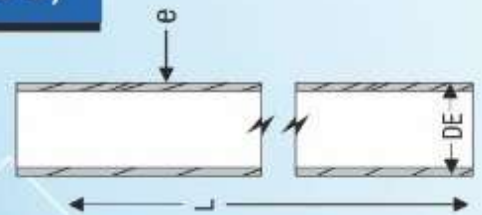
### SOCKET & SPIGOT PRESSURE PIPES

Nominal Diameter DN mm	Barrel				
	DE mm ( Push - on Joint )	DE mm ( Lead Joint )	e mm (wall Thickness)		
			LA	A	B
80	95	98	7.2	7.9	8.6
100	115	118	7.5	8.3	9.0
125	141	144	7.9	8.7	9.5
150	167	170	8.3	9.2	10.0
200	219	222	9.2	10.1	11.0
250	271	274	10.0	11.0	12.0
300	323	326	10.8	11.9	13.0
350	375	378	11.7	12.8	14.0
400	426	429	12.5	13.8	15.0



### PLAIN END PIPES (CLASS-D)

Nominal Diameter DN Mm	Barrel	
	DE mm	e mm (Wall Thickness)
80	98	10.08
100	118	10.50
125	144	11.06
150	170	11.62
200	222	12.88
250	274	14.00
300	326	15.12
350	378	16.38
400	429	17.50



**PLAIN END PIPES (CLASS-D)**

**\* Tolerance- Applicable as per Standard**



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Disclaimer -

Information provided in this catalogue is indicative and for guidance only.

