



IS: 1729-2002



®

*First Choice of Architects,
Engineers, Contractors,
Builders & Plumbers*

We never stop improving.....

35
Years of Excellence...

**Foremost Quality
Cast Iron Pipes,
Fittings for Soil Waste, Vent,
rainwater & Manhole Covers**



50, 75, 100, 150 mm


'SKF' is the synonymous of quality & commitment

 **SKF**

We never stop improving.....




IS: 1729-2002


W Ay back in 1972, we started our operation in Mathura (U.P.) As a manufacturer of cast Iron pipes, fittings & manhole covers having registered trade mark  with the name & style of Shri Krishna Iron Foundry.

Shri Krishna Iron Foundry with its dedicated efforts established a reputation of manufacturing & delivering superior quality products and got registered with the Bureau of Indian Standard w.e.f. April, 1983.

To meet the demand and supply ratio there was a necessity to increase the volume of production. Therefore, we came into corporate sector on 31st March 1994 with the name & style of NARSI Iron & Steels Pvt. Ltd. having its corporate office at 1918, Dampier Nagar, Mathura.

Today, our  brand is known in the domestic and overseas markets as a symbol of trust. We have developed this enviable position with the recognition given to us by our valuable clients and our dedicated efforts.

Further, to fuel our growth and to fulfill our vision we equipped our company with the latest machinery and technological know how to build a matchless tradition in the foundry industry.

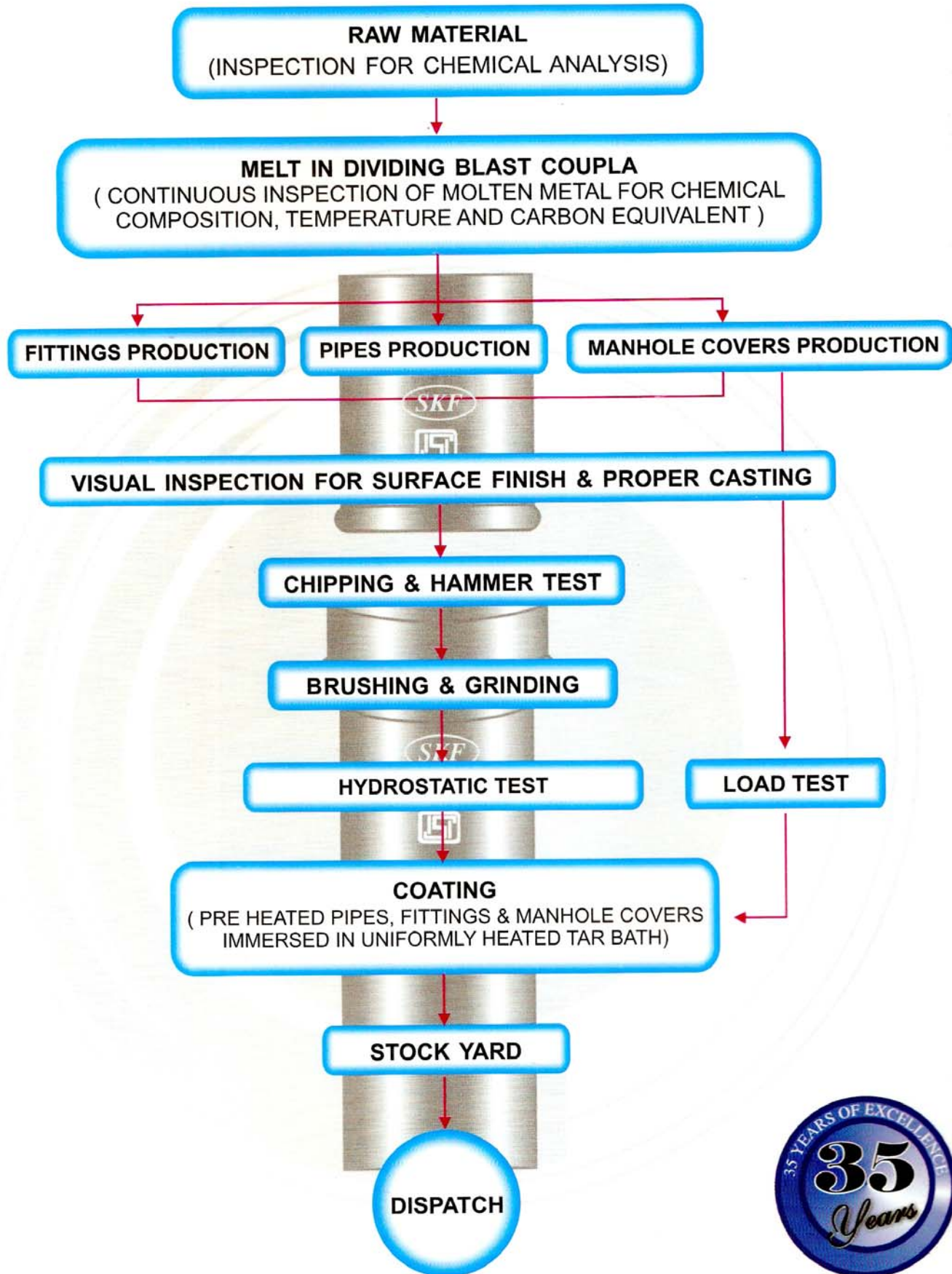
Due to unmatched quality & timely delivery of goods on most competitive rates, our unit covers Jammu, Punjab, Haryana, Maharashtra, Rajasthan, Delhi, Uttar Pradesh, Uttrakhand and other States of India. We have delivered our goods to some of the major projects of Govt., Semi Govt. & Private firms. In most of the departments our brand  is in their vendor lists.

We take all jobs right from simple casting to the most sophisticated one with equal ease.

We will feel highly honoured to answer your queries if any and assure you of our best services always.



MANUFACTURING PROCESS CHART



The durability and quality of **SKF** is superior to any other brand due to the following Characteristics :

- Suitable for the application of soil, waste, ventilation and rain water disposal in the building drainage system.
- Product confirms the specifications of IS:1729-2002.

Available in the nominal size of : 50 mm, 75 mm, 100 mm & 150 mm.

● **Chemical properties :**

C	-	3.5 % to 3.75 %
Si	-	1.8 % to 2.3 %
CE	-	4.3

● **Mechanical properties :**

Material Grade	-	FG 150 as per IS:210
Density	-	7.15 kg/m ³
Tensile strength	-	150 N/m ² minimum
Hardness	-	215 IID maximum as per IS:1500


● **Tests Applied :**

Hammer test: For clear ringing soundness of casting.

Hydrostatic test (Internal): It should bear water pressure at min 0.7 Kg/cm² for at least 15 secs. time

Coating test: For no brittle at 0°C and no flow up to 65°C temperature.

● **Marking :**

All pipes & fittings carry the brand name **SKF** mark nominal diameter,  symbol with code, licence No. & last two digits of the year of manufacturing.

WHY CAST IRON PIPES & FITTINGS ONLY

Durability & Long Life is proven and time tested in cast iron. Experience of thousand of users for a century and more laid Cast iron pipes because it fulfills all the requirements of the drainage system. Cast iron pipes have more standing **high pressure resistance** to wear & tear, resistance to corrosion to a great extent. Resistance to abrasion from any type of disposal residue, resistance to temperature.

Cast iron pipes are **environment friendly**. It can be recycled 100%. **Co-efficient of thermal expansion and contraction in C.I. material is very low**, hence it is not only fire proof but chances of deformation in the size & length of Pipes & fittings are negligible by any change in temperature. In case of fire it will not produce any smoke, poisonous & toxic gasses, resulting to which its easy for fireman while entering the building. C.I. can stand up to temperature of 400°C and have good bonding property with concrete hence does **not leak at the joints** of its with building.

C.I. drainage system **can be cleaned with push or sharp rod**. C.I. is the **toughest material** and it could be concealed in the building.

Because of its strength and resistance from damaging, C.I. has Nil Maintenance cost and securing salvage value.

Cast iron is the ideal drainage system.

COMPARISON AT A GLANCE BETWEEN uPVC PIPES AND 'SKF' C.I. SOIL PIPES & FITTINGS:

Specific density of C.I. is higher by 5700 kg/m³. Tensile strength is higher by 95 N/m², Compressive Strength is higher by 540 N/m², Coefficient of thermal expansion of C.I. is low by 0.06 mm/m°C, impact Strength, abrasion resistance & lateral strength is high of cast iron.

COMPARISON AT A GLANCE BETWEEN 'SKF' C.I. SOIL PIPES & FITTINGS AND HEST & CEMENT PIPES :

Cast iron pipes is 6.68 times stronger than hest & cement pipe to bear beam loads and 3.51 time stronger for resisting internal pressure.

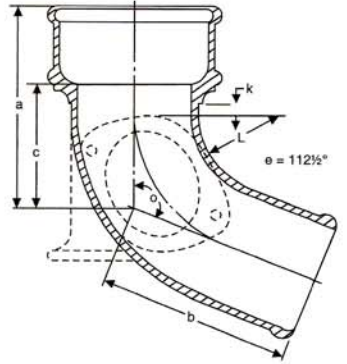
Cast iron pipes have full recovery of value on demolition of building or its removal for renovations.



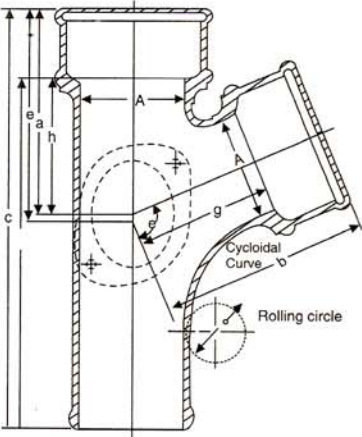
SHORT RADIUS BENDS WITH AND WITHOUT ACCESS DOORS

Dimension	$\phi = 92\frac{1}{2}^\circ$			
	Nominal Size			
	50	75	100	150
a	149	170	187	218
b	140	162	181	206
c	89	105	117	143
k	8	10	10	10
r	38	38	38	38

Dimension	$\phi = 135^\circ$			
	Nominal Size			
a	124	138	172	185
b	143	162	165	194
c	64	73	102	110
k	6	8	10	8
r	70	70	121	121



EQUAL BRANCHES WITH AND WITHOUT OVAL ACCESS DOORS

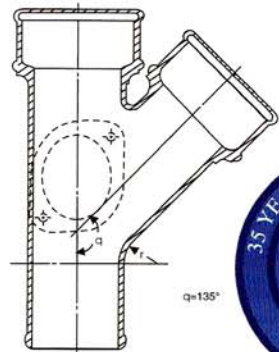


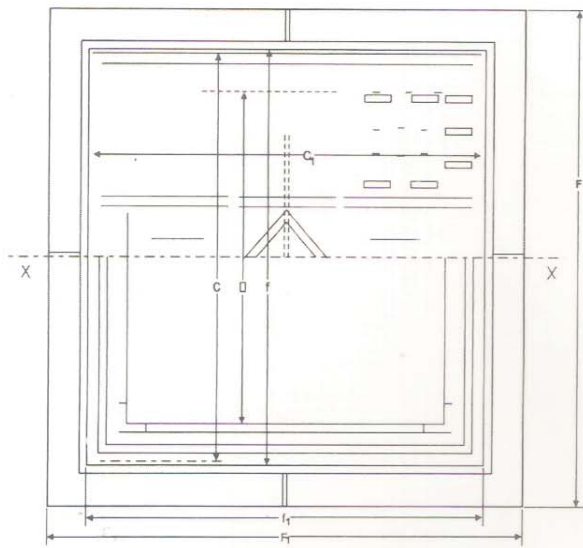
Dimension	$\phi = 92\frac{1}{2}^\circ$			
	Nominal Size			
	50	75	100	150
a	121	143	165	200
b	152	181	206	263
c	295	351	400	494
d	38	48	57	75
e	154	178	197	235
f	235	286	330	419
g	92	116	146	198
h	61	78	95	125

Dimension	$\phi = 92\frac{1}{2}^\circ$			
	Nominal Size			
A	75	100	100	150
A1	50	50	75	100
a	132	137	152	179
b	165	178	194	232
c	325	349	362	418
d	38	58	48	57
e	165	179	186	222
f	260	279	292	343
g	105	118	129	162
h	67	67	82	104

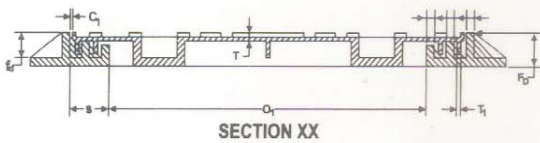
Dimension	$\phi = 135^\circ$			
	Nominal Size			
a	200	217	241	298
b	197	216	241	295
c	325	349	362	418
d	165	179	186	222
e	260	279	292	345
f	137	156	176	225
g	135	147	171	223
h	38	38	38	38

UNEQUAL BRANCHES WITH AND WITHOUT OVAL ACCESS DOORS



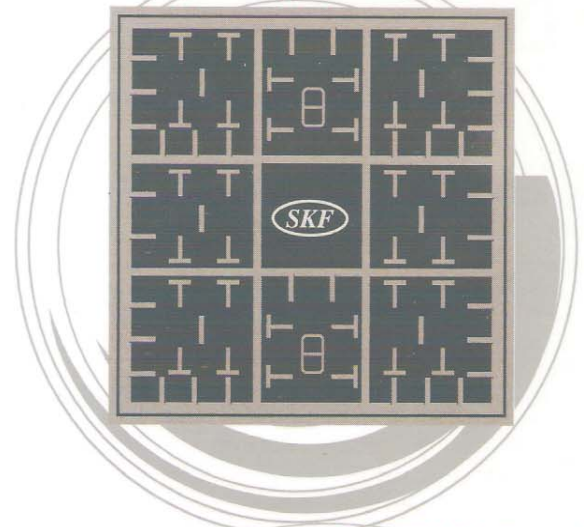


PLAN (WITH HALF COVER REMOVED)



SECTION XX

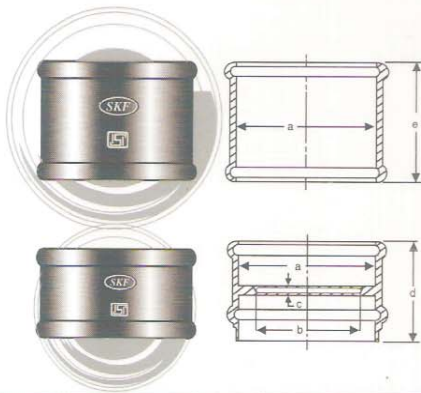
MANHOLE (Square Type)



MANHOLE (Round Type)



LOOSE SOCKETS AND COLLARS



Dimension	Normal Size			
a	50	75	100	150
b	76	101	129	181
c	50	75	100	150
d	10	10	10	10
e	79	89	95	108
	89	101	124	140

NANHI TRAP
(50, 75, 100 & 150MM)



We never stop improving....



SINGHAL IRON FOUNDRY (PVT.) LTD.

(Founders, Engineers & Approved Govt. Order Suppliers)

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