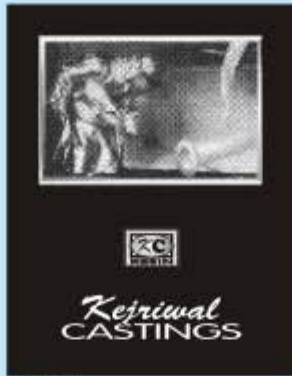




Kejriwal
CASTINGS
PRIVATE LIMITED



**CAST IRON PIPES,
FITTINGS & SPECIALS
PRODUCT CATALOGUE**



1st Edition



2nd Edition



3rd Edition

Kejriwal CASTINGS PRIVATE LIMITED

CAST IRON PIPES, FITTINGS & SPECIALS

4th EDITION



Chatterjee International Centre
33A, Chowringhee Road, 11th Floor, Suite # 11, Kolkata 700 071 India
Phone : 2226-2312 / 2313 / 3145 **Fax** : 033 22262314 **E-mail** : info@kejriwalcastings.com
Website : www.kejriwalcastings.com

Unit I : P-200, Benaras Road, Howrah - 711 108 Phone : 2651 3846

Unit II : NH-6, Chamrail, Howrah, India



An ISO 9001 Certified Company

CERTIFICATE OF REGISTRATION
Quality Management System

This is to certify that
Kejriwal Castings Private Limited
33A, Chowringhee Road
Chatterjee International Centre
11th Floor, Suite No. 11
Kolkata 700 071
West Bengal
India

Holds Certificate No. FM 81232
and operates a Quality Management System which complies with the requirements of
BS EN ISO 9001:2008 for the following scope:

- i. Manufacture and Supply of Cast Iron & Ductile Iron Castings (Valves, Pipes & Fittings);
- ii. Machining, Assembly and Supply of Cast Steel Castings (Valves); and
- iii. Machining and Supply of Centrifugally Cast (Spun) Iron Pipes for Water, Gas & Sewage Applications

For and on behalf of BSI


Certificate Manager

Originally registered : 06 Jan 2004 Latest issue : 26 Oct 2005 Page : 1 of 2

CERTIFICATE OF REGISTRATION
Quality Management System

Kejriwal Castings Private Limited

Certificate No. : FM 81232

Location _____
33A, Chowringhee Road
Chatterjee International Centre
11th Floor, Suite No. 11
Kolkata 700 071
West Bengal
India

Kejriwal Castings Private Limited
P 200, Benaras Road
Netajigarh, Howrah 711 108
West Bengal, India

Kejriwal Castings Private Limited
NH 6, Chamrail
(Near Kona Power Sub-Station)
Kona, Howrah
West Bengal, India

Originally registered : 06 Jan 2004 Latest issue : 26 Oct 2005 Page : 2 of 2

CERTIFICATE OF REGISTRATION
Quality Management System

Kejriwal Castings Private Limited

33A, Chowringhee Road
Chatterjee International Centre
11th Floor, Suite No. 11
Kolkata 700 071
West Bengal, India

Operates a Quality Management System which complies with the requirements of
BS EN ISO 9001:2008
for the activities detailed in the scope of registration.

Certificate No. **FM 81232**


For and on behalf of BSI

Latest issue : 26 Oct 2005

Originally registered : 06 Jan 2004



Kejriwal - A name synonymous with Cast Iron Pressure Pipes, fittings & Valves in India. An endeavour which began in late fifties and has continued on its path of growth by sheer will to excel, and remain your first choice.

On this never ending journey towards excellence - every year the milestone is moved a bit further - being customer focused & ensuring their satisfaction is the driving force for us. We aim to achieve this through being innovative and competitive in the constant development of our product range, manufacturing processes, embracing new technologies, services and through the undying efforts of all people representing *Kejriwal*.

Kejriwal's corporate office is in Kolkata, a throbbing city, supported by representations in all major cities spread all over India and in the Middle East.

Kejriwal offers the widest range of pipe fittings, its almost entire range being backed by recognition from Bureau of Indian Standards granting ISI mark license. Its quality systems have been approved by British Standards Institution and in recognition it has conferred ISO 9001 accreditation to the organisation.

This brochure, being the 4th edition, list the details of our product range in Cast Iron Pipes & Fittings with dimensions & mass. We have tried to incorporate maximum details relevant to the current trends in the industry and the labour employed will be deemed to aptly rewarded if this brochure is found useful for your purpose.

We at *Kejriwal* are always eager to hear from you and suggestions from the reader will be most welcome.



COMPLETE RANGE OF ISI MARKET PRODUCTS



IS:9523

CM/L-5197373

DUCTILE IRON PIPE FITTINGS

IS:14846

CM/L-5200538

**DUCTILE IRON / CAST IRON
SLUICE VALVES**

IS:5312

CM/L-5199983

**DUCTILE IRON / CAST IRON
NON RETURN VALVES**

IS:1538

CM/L-5120237

**CAST IRON
PIPE FITTINGS**

IS:13382

CM/L-5159971

**CAST IRON
MECHANICAL JOINT FITTINGS**

IS:7181

CM/L-5143754

**CAST IRON DOUBLE FLANGED
HORIZONTALLY CAST PIPES**

IS:1537

CM/L-5158060

**CAST IRON DOUBLE FLANGED
VERTICALLY CAST PIPES**

OUR DUCTILE IRON PIPES / FITTINGS CONFIRMS TO

ISO - 2531

&

BS - EN - 545

DIMENSIONS / REQUIREMENTS



CONTENTS

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2	Cast Iron Double Flanged & Socket Spigot (S/S) Pressure Pipes (Vertically Cast)	IS 1537-1976	7
3	Cast Iron Double Flanged Pressure Pipes (Horizontally Cast)	IS 7181-1986	9
4	Cast Iron Flanged & Socket Fittings for Pressure Pipes	IS 1538-1993	11
5	Cast Iron Specials for Mechanical Joints	IS 13382-1992	31
6	Cast Iron Specials for Asbestos Cement Pressure Pipes	IS 5531-1988	49
7	Cast Iron Detachable Joints for use with Asbestos Cement Pressure Pipes	IS 8794-1988	51
8	Cast Iron Manhole Cover and Frames	IS 1726-1991	53
9	Index		56



Please note that all dimensions are in mm
and all weights are in Kg. except where specified.

Table : i Approximate Weight of Water Content in Cast Iron Pipes in Kg/metre.			
Nominal Bore	Kg./mtr.	Nominal Bore	Kg./mtr.
80	5.0	450	161
100	8.2	500	199
125	12.7	600	285
150	18.2	700	388
200	32.2	750	445
250	50.6	800	505
300	72.7	900	645
350	98.7	1000	790
400	128.1	1200	1140

Table : ii Conversion Factors	
Length	
1 Inch	= 25.400 Millimetres (mm)
1 Foot	= 304.800 Millimetres (mm)
1 Yard	= 914.400 Millimetres (mm)
1 Mile	= 1.609 Kilometres (Km)
Weight	
1 Kilogram	= 2.2046 Pound
1 Pound	= 0.4536 Kilogram
Capacity	
1 Gallon (UK)	= 4.546 litres
1 Litre	= 0.219976 gallon (UK)
1 Gallon (US)	= 3.7853 litres
1 Litre	= 0.26418 gallon (US)

				Table : iii Pressure Conversion Table							
Kg/cm ³	lbs/ sq.inch	Meter Head	Approx. Feet Head	Kg/cm ³	lbs/ sq.inch	Meter Head	Approx. Feet Head	Kg/cm ³	lbs/ sq.inch	lbs/ sq.inch	Approx. Feet Head
1	14.22	10	32.81	13	184.90	130	426.62	25	355.58	250	820.62
2	28.45	20	65.62	14	199.13	140	459.45	26	369.80	260	853.24
3	42.67	30	98.43	15	213.35	150	492.24	27	384.02	270	886.05
4	56.87	40	131.24	16	227.57	160	525.07	28	398.24	280	918.86
5	71.12	50	164.05	17	241.80	170	557.90	29	412.47	290	951.69
6	85.34	60	196.86	18	256.02	180	590.71	30	426.69	300	984.28
7	99.56	70	229.67	19	270.24	190	623.52	31	440.91	310	1017.31
8	113.79	80	262.47	20	284.47	200	656.38	32	455.14	320	1050.15
9	128.01	90	295.38	21	298.69	210	689.17	33	469.36	330	1082.96
10	142.23	100	328.19	22	312.91	220	721.98	34	483.58	340	1115.77
11	156.46	110	361.00	23	327.14	230	754.81	35	497.80	350	1148.33
12	170.68	120	393.81	24	341.36	240	787.62				

Table iv Approximate Quantities of Lead and Spun Yarn for Socket & Spigot Joints.					
Nominal Bore	Wt. of Lead in Kg	Wt. of Spun Yarn in Kg	Nominal Bore	Wt. of Lead in Kg	Wt. of Spun Yarn in Kg
80	1.8	0.09	450	13.8	0.72
100	2.3	0.12	500	15.4	0.77
125	2.7	0.14	600	20.4	1.04
150	3.2	0.17	700	23.8	1.18
200	4.8	0.26	750	27.7	1.21
250	5.9	0.31	800	29.5	1.14
300	6.8	0.37	900	33.3	1.23
350	8.6	0.47	1000	39.9	1.12
400	10.0	0.53	1100	44.5	1.18
			1200	48.0	1.27

Table : v Drillings as per BS-10 Table - D											
Size	Flange OD		PCD		Hole dia		Flange thickness		No. of Holes	Dia of Bolts	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm		Inch	mm
80	7 ¹ / ₄	185	5 ³ / ₄	146	³ / ₄	19.0	³ / ₄	19.0	4	³ / ₈	16
100	8 ¹ / ₂	216	7	178	³ / ₄	19.0	³ / ₄	19.0	4	⁵ / ₈	16
125	10	254	8 ¹ / ₄	210	³ / ₄	19.0	¹³ / ₁₆	21.0	8	⁵ / ₈	16
150	11	280	9 ¹ / ₄	235	³ / ₄	19.0	¹³ / ₁₆	21.0	8	⁵ / ₈	16
200	13 ¹ / ₄	337	11 ¹ / ₂	292	³ / ₄	19.0	⁷ / ₈	22.0	8	⁵ / ₈	16
250	16	406	14	356	⁷ / ₈	22.0	1	25.0	8	³ / ₄	19
300	18	457	16	406	⁷ / ₈	22.0	1	25.0	12	³ / ₄	19
350	20 ³ / ₄	527	18 ¹ / ₂	470	1	25.4	1 ¹ / ₈	28.6	12	⁷ / ₈	22
400	22 ³ / ₄	578	20 ¹ / ₂	521	1	25.4	1 ¹ / ₈	28.6	12	⁷ / ₈	22
450	25 ¹ / ₄	641	23	584	1	25.4	1 ¹ / ₄	31.7	12	⁷ / ₈	22
500	27 ³ / ₄	705	25 ¹ / ₄	641	1	25.4	1 ¹ / ₄	31.7	16	⁷ / ₈	22
600	32 ¹ / ₂	825	29 ¹ / ₄	756	1 ¹ / ₈	28.6	1 ³ / ₈	35.0	16	1	25



Special Products



CAST IRON

for tailormade
solutions.

... the path less travelled

Kejriwal
CASTINGS
PRIVATE LIMITED

End Connection

To join two similar plain ends only.

Use

- i) With CI & DI pipes
- ii) can be manufactured specially to suit all other kinds of pipes such as AC, PVC, uPVC, MS, SS etc.

Working

Tightening of bolts draws the two flanges together compressing the sealing ring in the recess between sleeve and flanges on to the pipe thus effecting a leak tight joint.

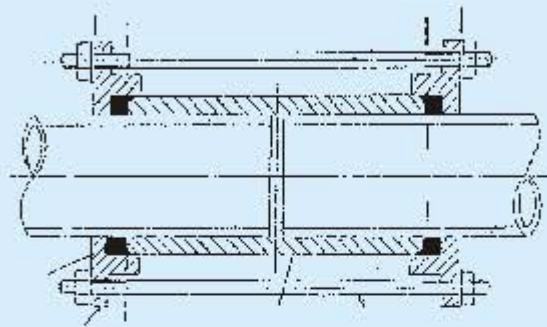
Size 80mm to 1800mm NB.

Material Used Ductile Iron / Cast Iron

Advantages

It can absorb limited expansion, contraction, ground movement and long radius curves.

"KESIN" MECHANICAL COUPLING



End Connection

To join one plain end and other flanged end only.

Use

- i) with CI & DI pipes
- ii) can be manufactured specially to suit all other kinds of pipes such as AC, PVC, uPVC, MS, SS etc.

Working

Tightening of bolts draws compression flange towards spigot end of flanged barrel thereby compressing the sealing rubber ring in the recess between compression flange and the spigot end of flange barrel effecting a leak tight joint.

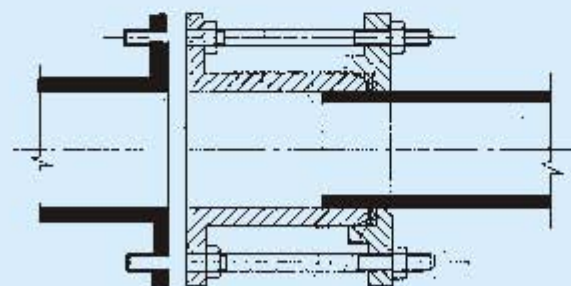
Size 80mm to 1800mm NB.

Material Used Ductile Iron / Cast Iron

Advantages

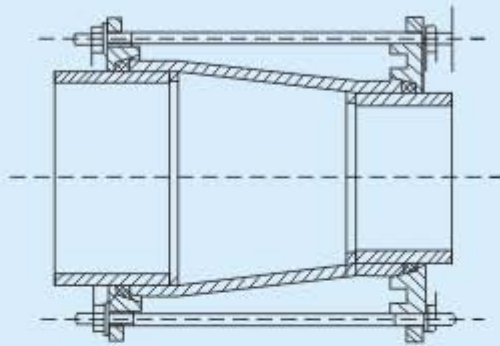
It can absorb limited expansion, contraction, ground movement and long radius curves.

"KESIN" FLANGED MECHANICAL ADAPTERS





"KESIN" REDUCING MECHANICAL COUPLING



End Connection

To join two dis-similar plain ends having different outside diameters.

Use

l) with CI, DI, AC, PVC, uPVC, MS, S.S, etc
virtually all kinds of rigid pipes.

Working

Tightening of bolts draws the two flanges together compressing the seal ring in the recess between sleeve and flanges on to the pipe thus effecting a leak tight joint.

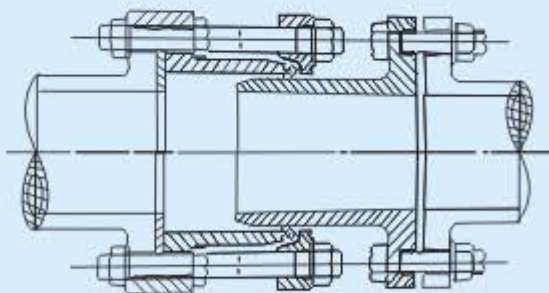
Size 80mm to 1800mm NB.

Material Used Ductile Iron / Cast Iron

Advantages

It can absorb limited expansion, contraction, ground movement and long radius curves.

"KESIN" ADJUSTABLE DISMANTLE JOINTS



End Connection

To join two flanged end.

Use

l) with all kinds of pipes but having flanged ends.
ii) can be manufactured specially to suit all other kinds of pipes such as AC, PVC, uPVC, MS, SS etc.

Working

A flanged spigot of same nominal bore as that of adjoining pipeline slides inside a flanged spigot barrel of higher diameter to create space in the pipeline upto a maximum of 0 to 100 mm.

Size 80mm to 1800mm NB.

Material Used Ductile Iron / Cast Iron

Advantages

i) to create gaps/space in flanged pipeline.
ii) to fill up/adjust gaps/space in flanged pipelines
iii) can absorb limited vibration/expansion contraction



End Connection

To seal the leaking socket joints/ends of pipes having Tyton Rubber Ring Joints or lead caulked Joints.

Use

CI/DI socket end pipes (Lead or Tyton Rubber Joints)

Working

Compression Ring, Clamp and Rubber rings are supplied in two parts to be joined with nut bolt and J-hook. The compression Ring is pulled towards socket thereby sealing the gap in between the socket and Compression Ring with the help of rubber ring on to the pipe.

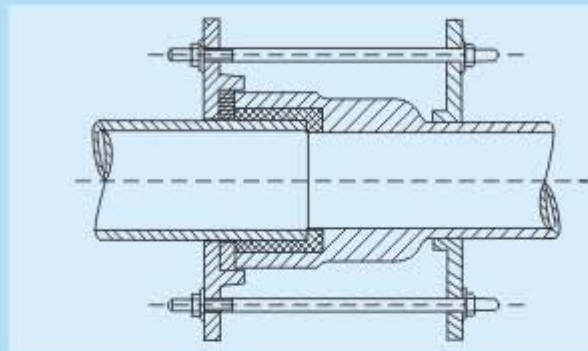
Size 80mm to 1800mm

Material Used Ductile Iron / Cast Iron

Advantages

Leaking socket ends on Running pipeline can be repaired by digging trenches only near the socket ends.

"KESIN" SOCKET LEAK REPAIR JOINT CLAMPS



End Connection

Double flanged end.

Use

To be used as an automatic expansion/contraction absorbing joints between flanged end connections. It can be used on all Rigid pipes like CI, DI, MS, PVC, uPVC, SS but with flanged ends.

Working

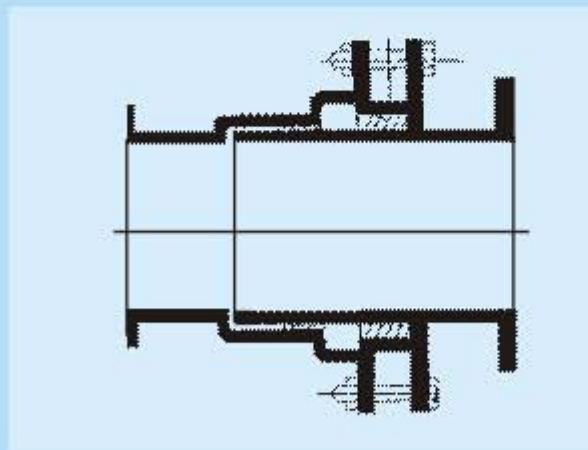
Size 80mm to 1800mm

Material Used Ductile Iron / Cast Iron

Advantages

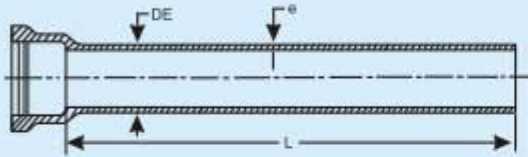
Automatically absorbs expansion/contraction in pipeline thereby prolonging the lifespan of pipeline and reducing chances of bending / zig zag lines.

"KESIN" EXPANSION JOINTS

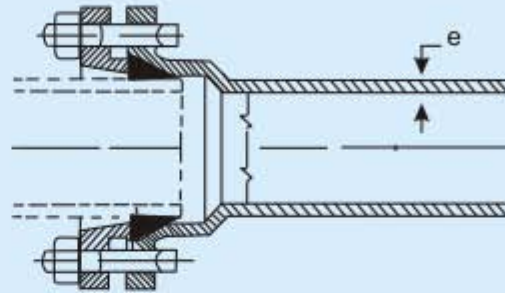




Vertically Sand Cast 'KESIN' Ductile Iron Pipes



Socket Spigot Pipe suitable for Lead / Tyton Joint



Socket Spigot Pipe suitable for Mechanical Joint

SOCKET AND SPIGOT PIPES — CLASS K-12 (10 bar pressure)

Nominal Diameter DN	Barrel DE mm	Socket Mass Approx Kg.	BARREL		Total Mass Incl. Socket (L)	
			e	Mass / mtr.	2.0 mtr.	2.5 mtr.
			mm	Kg.	Kg.	Kg.
1100	1152	200	19.2	484	1168	1410
1200	1255	238	20.4	569	1376	1660
1400	1462	280	22.8	744	1768	2140
1500	1565	340	24.0	831	2002	2417
1600	1668	380	25.2	923	2226	2687
1800	1875	450	27.6	1141	2732	3303

Special Fittings for uPVC Pipes



DOUBLE SOCKET 90° BEND



DOUBLE SOCKET 45° BEND



DOUBLE SOCKET 22.5° BEND



DOUBLE SOCKET 11.25° BEND



FLANGE SOCKET DUCKFOOT BEND



FLANGED SOCKET



FLANGED SPIGOT



DOUBLE SOCKET REDUCER



ALL SOCKET TEE



END CAPS



END CAPS THREADED BRANCH

