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Reliability and Excellence

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ORIENT

RUBBER PRODUCTS PVT. LTD.

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RANGE OF PRODUCTS

Serial No.	Items	Description
1	jiffy® Flexible Collar Coupling	Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes and/or Ductile Iron pipes.
2	jiffy® Flexible Cut-N-Repair Coupling (Long Sleeve)	Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes and/or Ductile Iron pipes.
3	jiffy® Flanged Socket Tailpiece (Flanged Adaptor)	Flanged Socket Tailpiece (Flanged Adaptor) fixing plain end of a C.I. /D.I. Pipes with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same.
4	jiffy® Split Collar	Split Collar Suitable for repair leak, crack etc. in C.I. Spun Pipes and Ductile Iron Pipes
5	jiffy® Socket Leak Repair Clamp	Socket Leak Repair Clamp Suitable for Online Repair of leak from spigot/socket joint in C.I. Spun Pipes and Ductile Iron Pipes.
6	jiffy® Dismantling Joint	Dismantling Joint Suitable for fixing two flanged ends of C.I. Spun Pipes and Ductile Iron Pipes or Valves.
7	M.S. jiffy® Patch Clamps	Patch Clamp suitable for repairing leaks and longitudinal cracks on C.I. Spun Pipes and/or Ductile Iron Pipes
8	jiffy® Mechanical Joint Bend	Mechanical Joint Bend for deflecting two plain ends of C.I. Spun Pipes and Ductile Iron Pipes.
9	jiffy® Mechanical Joint All Socket Tee	Mechanical Joint All Socket Tee for jointing three plain ends of C.I. Spun Pipes and Ductile Iron Pipes
10	jiffy® Mechanical Joint Double Socket Tee with Branch Flanged	Mechanical Joint Double Socket Tee with Branch Flanged for connecting two plain ends and a flanged end of C.I. Spun Pipes and Ductile Iron Pipes.
11	jiffy® Mechanical Joint Double Socket Reducer	Mechanical Joint Double Socket Reducer for connecting two plain ends of different diameters of C.I. Spun Pipes and Ductile Iron Pipes.
12	M.S jiffy® Tapping Clamp	Tapping Clamp is suitable to create taps on new or existing water pipelines.
13	M.S Machine End Spigot & Socket	M.S Machine end spigot & socket are used to connect C.I. or D.I pipes with M.S pipe ends with the help of Push-on Joint Rubber gasket of concerned size.
14	FlangeTite™ Rubber Gasket suitable for Flange Joint	Rubber Gasket made of EPDM Rubber suitable for making instant flange joints of PN 10 and PN 16 Flanges.
15	Flat Rubber Gasket suitable for Flange Joint (3/6 mm dual thickness)	Flat Rubber Gasket made of EPDM Rubber suitable for making instant flange joints of PN 10 Flanges.
16	C.I Eazy Flange Socket Tailpiece	C.I Eazy Flanged Socket Tailpiece (Flanged Adaptor) fixing a plain end of C.I./D.I. Pipes with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same.
17	C.I Eazy Socket Leak Repair Clamp	C.I Eazy Socket Leak Repair Clamp Suitable for Online Repair of leak from spigot/socket joint in C.I. Spun Pipes and Ductile Iron Pipes.
18	C.I Eazy Dismantling Joint	C.I Eazy Dismantling Joint Suitable for fixing two flanged ends of C.I. Spun and/or Ductile Iron Pipes or Valves allowing to provide space for Eazy removal of the Valves/Water meters from pipeline.

RANGE OF PRODUCTS

Serial No.	Items	Description
19	jiffy® Transition Collar Coupling	Transition Collar Coupling Suitable for jointing two plain ends of different diameters C.I Spun Pipes and/or Ductile Iron Pipes.
20	M.S jiffy® Flexible Collar Coupling	M.S Flexible Collar Coupling Suitable for jointing two plain ends of C.I Spun Pipes, Ductile Iron Pipes or OD as required by customer.
21	M.S jiffy® Flexible Cut-N-Repair Coupling	M.S Flexible Cut-N-Repair Coupling Suitable for jointing two plain ends of C.I Spun Pipes, Ductile Iron Pipes or OD as required by customer.
22	M.S jiffy® Flange Socket Tailpiece	M.S Flanged Socket Tailpiece (Flanged Adaptor) is suitable for fixing plain end of a pipe with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same.
23	M.S jiffy® Dismantling Joint	M.S Dismantling Joint Suitable for fixing two flanged ends of C.I. Spun Pipes and Ductile Iron Pipes or Valves.

C.I. SPECIALS

jiffy® Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes (conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000). Each coupling consists of one Central Barrel, two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.

Available sizes: 80 mm to 1000 mm



jiffy® Flexible Cut-N-Repair Coupling Suitable for jointing two plain ends of C.I. Spun Pipes (conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000). Each coupling consists of one Central Barrel (Long length), two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.

Available sizes: 80 mm to 1000 mm



jiffy® Flanged Socket Tailpiece (Flanged Adaptor) fixing plain end of a C.I. /D.I. Pipes with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same. Each tailpiece consists of one Flanged barrel, one Follower Gland, one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993. The End Flange is drilled as per Table 6 of IS:1538/1993.

Available sizes: 80 mm to 1000 mm.



jiffy® Split Collar Suitable for repair leak, crack etc. in C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000). Each collar consists of one Central Barrel (in two halves), two Follower Glands (in two halves), four Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically tested to provisions as laid down in IS:1538/1993 and hydraulically tested to pressures 10 kg/cm² for Nominal Diameters from 80 mm to 300 mm and 8 kg/cm² for Nominal Diameters 350 mm onwards.

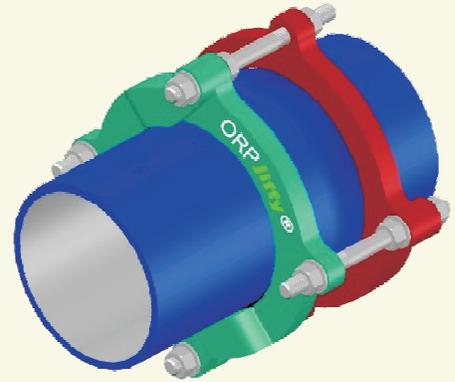
Available sizes: 80 mm to 1000 mm.



C.I. SPECIALS

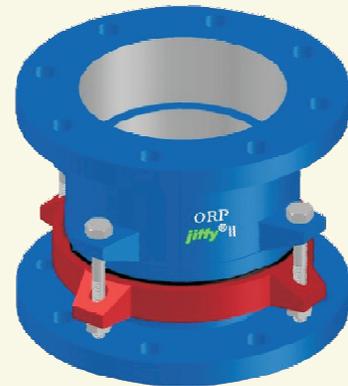
jiffy® Socket Leak Repair Clamp Suitable for Online Repair of leak from spigot/socket joint in C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000). Each clamp consists of one Compression Flange(in two halves), one Retainer Flange(in two halves), one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically tested to provisions as laid down in IS:1538/1993.

Available sizes: 80 mm to 1000 mm.



jiffy® Dismantling Joint Suitable for fixing two flanged ends of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000) or Valves. Each joint consists of two Flanged barrel, one Follower Gland, one Sealing Rubber Gasket(EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993. The End Flanges is drilled as per Table 6 of IS:1538/1933..

Available sizes: 80 mm to 750 mm. From 800 mm to 1000 mm the joint is available in MS.



jiffy® Mechanical Joint Bend for deflecting two plain ends of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000).. Each joint consists of one Body, two Follower Glands, two Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:13382/2004.

Available sizes: 80 mm to 300 mm in all four angles (90°, 45°, 22½° and 11¼°). Over 300 mm the Bends are available in MS.



C.I. SPECIALS

jiffy® Mechanical Joint All Socket Tee for joining three plain ends of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000).. Each joint consists of one Body, three Follower Glands, three Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:13382/2004.

Available sizes: 80 mm to 300 mm.



jiffy® Mechanical Joint Double Socket Tee with Branch Flanged for connecting two plain ends and a flanged end of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000).. Each joint consists of one Body, two Follower Glands, two Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:13382/2004.

Available sizes: 80 mm to 300 mm. Over 300 mm the Tees are available in MS.



jiffy® Mechanical Joint Double Socket Reducer for connecting two plain ends of different diameters of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000). Each joint consists of one Body, two Follower Glands, two Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:13382/2004.

Available sizes: 80 mm to 300 mm. Over 300 mm the Reducers are available in MS.



jiffy® Transition Collar Coupling Suitable for joining two plain ends of different diameters C.I. Spun Pipes (conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000). Each coupling consists of one Central Barrel, two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.

Available sizes: 80 mm to 1000 mm



M.S SPECIALS

jiffy® M.S Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes(conforming to IS:1536/2000), Ductile Iron Pipes (conforming to IS:8329/2000) or OD as required by customer. Each coupling consists of one Central Barrel, two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.



jiffy® M.S Flexible Cut-N-Repair Coupling Suitable for jointing two plain ends of C.I. Spun Pipes(conforming to IS:1536/2000), Ductile Iron Pipes (conforming to IS:8329/2000) or OD as required by customer. Each coupling consists of one Central Barrel (Long length), two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.



jiffy® M.S Flanged Socket Tailpiece (Flanged Adaptor) is suitable for fixing plain end of a pipe with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same. Each tailpiece consists of one Flanged barrel, one Follower Gland, one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993. The End Flange is drilled as per Table 6 of IS:1538/1933.



Jiffy® M.S Dismantling Joint Suitable for fixing two flanged ends of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000) or Valves. Each joint consists of two Flanged barrel, one Follower Gland, one Sealing Rubber Gasket(EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993. The End Flanges are generally drilled as per Table 6 of IS:1538 or as required by customer.



M.S SPECIALS

M.S Machine end spigot & socket are used to connect C.I. or D.I. pipes with M.S pipe ends with the help of Push-on Joint Rubber gasket of concerned size.



M. S. jiffy® Tapping Clamp suitable for extracting branch connection from a pipeline. We recommend branch size as $\frac{1}{4}$ (one fourth) of main pipe from which branch is being taken. Each Clamp consists of one M. S. Central Barrel (in two halves) fitted with the branch connection in one half, and suitable size of rubber gasket of EPDM quality, 3 to 5 Nos. of Grip Packing (EPDM) and Zinc coated M. S. Fasteners of adequate numbers.



M.S. jiffy® Mechanical Joint Double Socket Reducer for connecting two plain ends of different diameters of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000) or any pipe required by the customer. Each joint consists of one Body, two Follower Glands, two Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers.



M.S. jiffy® Mechanical Joint Bend for deflecting the direction of pipeline of C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000) or any pipe required by customer. Each joint consists of one Body, two Follower Glands, two Sealing Rubber Gaskets (EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers.

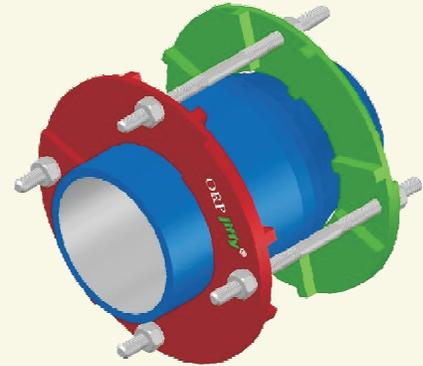
Available sizes: 350 mm onwards in all four angles (90°, 45°, 22½° and 11¼°).



M.S SPECIALS

M.S. jiffy® Socket Leak Repair Clamp Suitable for Online Repair of leak from spigot/socket joint in C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000). Each clamp consists of one Compression Flange(in two halves), one Retainer Flange(in two halves), one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers.

Available sizes: 80 mm to 1000 mm.

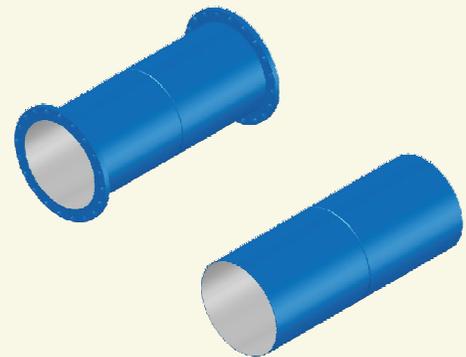


M. S. jiffy® Patch Clamp suitable for repairing leaks and longitudinal cracks on C. I. Spun Pipes (conforming to IS:1536/2000), Ductile Iron Pipes (conforming to IS:8329/2000) or any pipe required by customer. Each Clamp consists of one M. S. Central Barrel (in two halves), one Trap Gasket (EPDM), 3 to 5 Nos. of Grip Packing (EPDM) and Zinc coated M. S. Fasteners of adequate numbers.



M.S. Pipes with Flanges or mild steel pipes are hollow tubular structures made from low-carbon steel, known for flexibility, easy to weld and suitable for various application including plumbing, construction and industrial piping. Flanges are as per IS:1538, in quality.

Available sizes: 80 mm to 1000 mm.



EAZY SPECIALS

CI Eazy Flanged Socket Tailpiece (Flanged Adaptor) fixing a plain end of C.I. /D.I. Pipes with a flanged end of Valves, Water meters etc. allowing easy fixing and removal of the same. Each tailpiece consists of one Flanged barrel, one Follower Gland, one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The End Flange is drilled as per Table 6 of IS:1538/1933.

Available sizes: 80 mm to 750 mm.

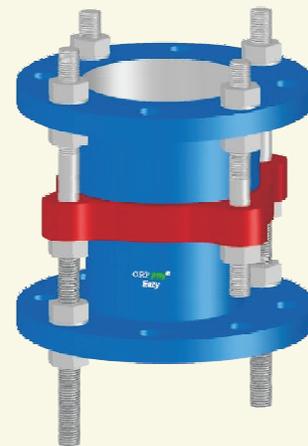


CI Eazy Socket Leak Repair Clamp Suitable for Online Repair of leak from spigot/socket joint in C. I. Spun Pipes (conforming to IS:1536/2000) and Ductile Iron Pipes (conforming to IS:8329/2000). Each clamp consists of one Compression Flange(in two halves), one Retainer Flange(in two halves), one Sealing Rubber (EPDM) Gasket (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers.



CI Eazy Dismantling Joint Suitable for fixing two flanged ends of C. I. Spun Pipes (conforming to IS:1536/2000) and / or Ductile Iron Pipes (conforming to IS:8329/2000) or Valves allowing to provide space for Eazy removal of the Valves/Water meters from pipeline. Each joint consists of two Flanged barrel, one Follower Gland, one Sealing Rubber Gasket(EPDM) (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The End Flanges are drilled as per Table 6 of IS:1538.

Available sizes: From 80 mm to 750 mm.



CI Eazy Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes(conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000). Each coupling consists of one Central Barrel, two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers. The whole assembly is mechanically and hydraulically tested to provisions as laid down in IS:1538/1993.

Available sizes: 80 mm to 1000 mm



JIFFY III SPECIALS

CI Jiffy® III Flexible Collar Coupling Suitable for jointing two plain ends of C.I. Spun Pipes(conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000). Each coupling consists of one Central Barrel, two Follower Gland, two Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Fasteners of adequate numbers.

Available sizes: 80 mm to 1000 mm.



CI Jiffy® III Flange Socket Tailpiece Suitable for jointing one plain end of C.I. Spun Pipes(conforming to IS:1536/2000) and/or Ductile Iron Pipes (conforming to IS:8329/2000) with a flange end of valve, water meter. Each tailpiece consists of one flange Barrel, one Sealing Rubber (EPDM) Gaskets (conforming to IS:5382/85) and Zinc coated M. S. Anchor bolts of adequate numbers.

Available sizes: 80 mm to 1000 mm.

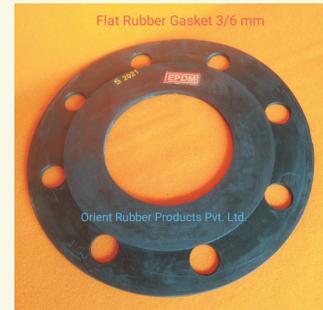


RUBBER GASKETS

FlangeTite™ Rubber Gasket made of EPDM Rubber suitable for making **instant flange joints of PN 10 and PN 16 Flanges**. No wastage of rubber, no requirement of cutting holes.
Available sizes: 80 mm to 300 mm.



Flat Rubber Gasket made of EPDM Rubber (**3/6 mm dual thickness**) suitable for making instant flange joints of PN 10 Flanges. No wastage of rubber, no requirement of cutting holes.
Available sizes: 80 mm to 1000 mm.



USEFUL REFERENCES

DIMENSIONAL DIFFERENCES AMONG IS:1538, BS 4504, BS EN 1092 & IS:6392

Size	OD of Flange			PCD			Hole dia.			No. of holes			Bolt dia.		
	IS 1538	IS 6392		IS 1538	IS 6392		IS 1538	IS 6392		IS 1538	IS 6392		IS 1538	IS 6392	
		PN 10	PN 16		PN 10	PN 16		PN 10	PN 16		PN 10	PN 16		PN 10	PN 16
40	xxx	150	150	xxx	110	110	xxx	18	18	xxx	4	4	xxx	16	16
50	xxx	165	165	xxx	125	125	xxx	18	18	xxx	4	4	xxx	16	16
65	xxx	185	185	xxx	145	145	xxx	18	18	xxx	4	4	xxx	16	16
80	200	200	200	160	160	160	19	18	18	4	8	8	16	16	16
100	220	220	220	180	180	180	19	18	18	8	8	8	16	16	16
125	250	250	250	210	210	210	19	18	18	8	8	8	16	16	16
150	285	285	285	240	240	240	23	22	22	8	8	8	20	20	20
200	340	340	340	295	295	295	23	22	22	8	8	12	20	20	20
250	395	395	405	350	350	355	23	22	26	12	12	12	20	20	24
300	445	445	460	400	400	410	23	22	26	12	12	12	20	20	24
350	505	505	520	460	460	470	23	22	26	16	16	16	20	20	24
400	565	565	580	515	515	525	28	26	30	16	16	16	24	24	27
450	615	xxx	xxx	565	xxx	xxx	28	xxx	xxx	20	xxx	xxx	24	xxx	xxx
500	670	670	715	620	620	650	28	26	33	20	20	20	24	24	30
600	780	780	840	725	725	770	31	30	36	20	20	20	27	27	33
700	895	895	910	840	840	840	31	30	36	24	24	24	27	27	33
750	960	xxx	xxx	900	xxx	xxx	31	xxx	xxx	24	xxx	xxx	27	xxx	xxx
800	1015	1015	1025	950	950	950	34	33	39	24	24	24	30	30	36
900	1115	1115	1125	1050	1050	1050	34	33	39	28	28	28	30	30	36
1000	1230	1230	1255	1160	1160	1170	37	36	42	28	28	28	33	33	39
1100	1340	xxx	xxx	1270	xxx	xxx	37	xxx	xxx	32	xxx	xxx	33	xxx	xxx
1200	1455	1455	1485	1380	1380	1390	40	39	48	32	32	32	36	36	45

Flange Thickness				
Size	IS 1538	BS EN 1092-2	BS 4504 S 3.1	IS 6392 T 17
	CI	PN 10 (CI)	PN 10 (MS)	PN 16 (MS)
40	xxx	19	18	16
50	xxx	19	20	18
65	xxx	19	20	18
80	21	19	20	20
100	22	19	22	20
125	22.5	19	22	22
150	23	19	24	22
200	24.5	20	24	24
250	26	22	26	26
300	27.5	24.5	26	28
350	29	24.5	28	32
400	30	24.5	32	36
450	31.5	25.5	36	xxx
500	33	26.5	38	44
600	36	30	42	52
700	38.5	32.5	60	58
750	40	xxx	xxx	xxx
800	41.5	35	68	64
900	44	37.5	76	72
1000	47	40	84	78
1100	50	42.5	xxx	xxx
1200	53	45	98	94

Nominal Diameter	EXTERNAL DIAMETERS						
	IS :1536/2001 C.I. PIPES		IS :8329:2000 D.I. Pipes	IS :1592/2003; A.C. PRESSURE PIPES			
	Lead Joint	Push-onJoint		Class 10	Class 15	Class 20	Class 25
80	98±4.62	95±2.0	98 ⁺¹ _{-2.2}	99.5±0.6	99.5±0.6	101.5±0.6	106.5±0.6
100	118±4.65	115±2.0	118 ⁺¹ _{-2.8}	120±0.6	121±0.6	126.5±0.6	132.5±0.6
125	144±4.68	141±2.0	144 ⁺¹ _{-2.8}	145±0.6	147±0.6	152.5±0.6	159.5±0.6
150	170±4.72	167±2.0	170 ⁺¹ _{-2.9}	171±0.6	176.5±0.6	183±0.6	191±0.6
200	222±4.8	219±2.0	222 ⁺¹ _{-3.0}	#	233.5±0.6	242.5±0.6	253.5±0.6
250	274±4.87	271±2.25	274 ⁺¹ _{-3.1}	#	284.5±0.6	294.5±0.6	305.5±0.6
300	326±4.95	323±2.25	326 ⁺¹ _{-3.6}	#	340.5±0.6	352.5±0.6	366.5±0.6
350	378±5.02	375±2.25	378 ⁺¹ _{-3.4}	#	392±0.8	405±0.8	419±0.8
400	429±5.1	426±2.25	429 ⁺¹ _{-3.5}	#	448±0.8	463±0.8	478±0.8
450	480±5.17	477±2.25	480 ⁺¹ _{-3.6}	#	498±0.8	515±0.8	532±0.8
500	532±5.25	529±2.25	532 ⁺¹ _{-3.8}	#	554.5±0.8	572.5±0.8	591.5±0.8
600	635±5.4	632±2.25	635 ⁺¹ _{-4.0}	#	665.5±1.0	686.5±1.0	710.5±1.0
700	738±5.55	735±2.75	738 ⁺¹ _{-4.3}	#	769±1.0	795±1.0	823±1.0
750	790±5.62	787±2.75	789 ⁺¹ _{-4.4}	#	824±1.5	853±1.5	882±1.5
800	842±5.7	839±2.75	842 ⁺¹ _{-4.5}	#	880±1.5	910±1.5	941±1.5
850	#	#	#	#	935±1.5	967±1.5	1000±1.5
900	945±5.85	942±3.25	945 ⁺¹ _{-4.8}	#	990±1.5	1024±1.5	1059±1.5
1000	1048±6	1045±3.25	1048 ⁺¹ _{-5.0}	#	1101±1.5	1138±1.5	1177±1.5
1050	1124±6	1118±3.25	#	#	#	#	#
1100	#	#	1052 ⁺¹ _{-6.0}	#	#	#	#
1200	#	#	1255 ⁺¹ _{-6.2}	#	#	#	#
1400	#	#	1462 ⁺¹ _{-6.6}	#	#	#	#
1600	#	#	1668 ⁺¹ _{-7.4}	#	#	#	#
1800	#	#	1875 ⁺¹ _{-8.2}	#	#	#	#
2000	#	#	2082 ⁺¹ _{-9.0}	#	#	#	#

Nominal Diameter (inch)	EXTERNAL DIAMETERS (BS:1211)	
	Class B (±2.03)	Class C & D (±2.03)
3	95.50	95.50
4	121.92	121.92
5	149.86	149.86
6	177.29	177.29
7	204.72	204.72
8	232.16	232.16
9	259.08	259.08
10	286.00	286.00
12	333.76	345.44
14	386.59	399.29
15	413.00	426.21
16	439.42	453.14
18	492.25	506.98
20	545.08	560.32
21	571.50	587.25
24	650.24	667.00
27	728.98	746.76
30	807.21	826.01
36	964.20/984.50	1106.80
42	1120.60/1143.00	1165.30
48	1276.60/1300.50	1322.80

ALL DIMENSIONS ARE IN MILLIMETERS

GI Pipes	
Nominal Bore (mm)	OD MAX (IS 1239 P1)
6	10.6
8	14.0
10	17.5
15	21.8
20	27.3
25	34.2
32	42.9
40	48.8
50	60.8
65	76.6
80	89.5
100	115.0
125	140.8
150	166.5

MS Pipes
OD (IS 3589)
168.3
219.1
273.0
323.9
355.6
406.4
457.0
508.0
610.0
711.0
813.0
914.0
1016.0
1067.0
1118.0
1219.0
1422.0
1626.0
1829.0
2032.0
2235.0
2540.0