



JAINSONS INDUSTRIES



ISO 9001 : 2008



Approved

Ductile Iron Threaded Pipe Fittings

◇ Ductile Iron Grooved Fittings

Ⓢ ZHIQING & ◇ JS BRASS Ball Valves



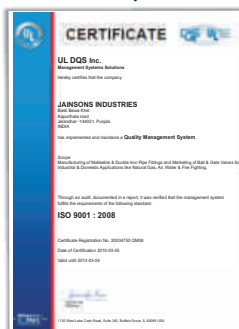
Check out our complete range
online at www.jainsonsindustries.com



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ISO 9001 by UL-MSS



Vendor Registration with SAIL



Approval Certificate from CIDCO



BIS/ISI Licence



Fire & Security Association of India
(Membership Certificate)



Alibaba.com Gold Supplier



Trustseal-Indiamart



Fire & Security Association of India
(Membership Certificate)



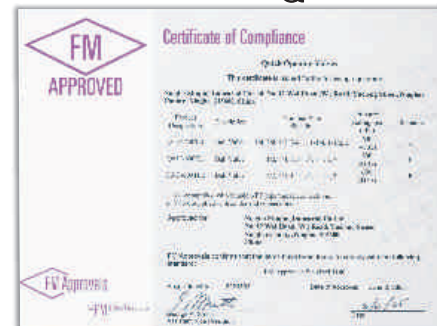
Registration Certificate with DGS&D



Registration Certificate with NSIC



FM Certificate 



UL Certificate 



EN331 Certificate 



UL Certificate 



FM Certificate 





EN331
Approved



AN ISO 9001 : 2008
CERTIFIED CO.



INTRODUCTION

We use this opportunity to introduce ourselves as a leading **Manufacturer of Malleable Cast Iron Galvanized Pipe Fittings for Water Supply, Fire Fighting & Natural Gas Distribution for almost most three decades**. We are also into marketing of Forged Brass Valves of various types, for Natural Gas Distribution, Water Supply & Air Conditioning.

We have **certification of Bureau of Indian Standards (BIS / ISI)**. To further certify our quality, the process systems as Jainsons Industries are **ISO-9001: 2008 approved by UL-MSS India**.

We have also launched **UL & FM Approved Ductile Iron Pipe Fittings for Fire Fighting** (though these are being used worldwide), which are tested up to 500 psi, much lower than actual pressure carried in Fire Fighting Lines.

Also we can offer Brass Threaded Ball Valves with UL & FM Approval which can be used in Fire Systems Line.

List of few of our clientele in India & abroad will help you identify with our credibility and product quality. We are on the **approved vendor list of following Natural Gas Distribution companies**:

- Egyptian Town Gas, Egypt
- Egypt Gas Co., Egypt
- Gujarat Gas Co. Ltd., Surat
- Mahanagar Gas Ltd., Mumbai
- Indraprastha Gas Ltd., New Delhi
- Adani Gas Ltd., Ahmedabad

To add on to our credibility, we are also on the approved vendor list of **DMRC, i.e. Delhi Metro Rail Corporation, DGS&D, CIDCO Maharashtra and Bhilai Steel Plant, Bhilai**.

We have supplied Malleable Cast Iron Galvanized Pipe Fittings for Fire Fighting Systems to following sub contractors of DMRC:

- ➔ Larsen & Toubro Ltd. (Engineering, Construction & Contracts Division), Delhi
- ➔ Kumagai Skanska HCC Itochu (KSHI) Group (Joint Venture)

We always take care of on time delivery & quality workmanship to satisfy customer needs.

In the light of the above information, **we are sure you will be interested in our pipe fittings and valves for your current & upcoming Projects.**

With Regards,

Rakesh Jain & Ashok Jain



D.I. Fittings



ZHIQING
Brass Ball Valves



Brass
Ball Valves



INTRODUCTION

LIST OF PROJECTS

(Undertaken by JAINSONS INDUSTRIES in last few years)

LIST OF PROJECTS

AIRPORTS

IGI Airport, Dial Aerocity, New Delhi
Rajeev Gandhi International Airport Hyderabad, A.P
Ranchi Airport, Jharkhand
Raja Bhoj Airport, Bhopal

FACTORY & PLANTS

Bayer Crop Science Ltd., Thane
Crompton Greaves Ltd., Chattisgarh
ITC Filtrona Ltd., Bangalore
Kohler India Corporation Pvt. Ltd., Pune
Michelin India Tamilnadu Tyres Pvt. Ltd., Thiruvallur
BMW India Pvt. Ltd., Kancheepuram
Ford India Pvt. Ltd., Ahmedabad
Nokia India Pvt. Ltd., Sriperumpudur, Chennai
Caterpillar (I) Pvt. Ltd., Chennai
Toshiba, Chennai
Paras Pharma, Baddi, H.P
Kellogg India Pvt. Ltd., Chittoor
Pfizer Testing Lab, New Delhi
Johnson & Johnson Ltd., Arena Space, Mumbai
Toshiba, Chennai

HOTELS

Holiday Inn, Delhi
Hotel Dan, Bangalore
Hotel Park Plaza, Zirakpur
Pullman Hotel, IGI Airport, New Delhi
Marriot Hotel, Chandigarh
ITC's Today Hotel Project in Bengaluru & Delhi
JW Marriot, Aerocity, New Delhi
Pride Hotel, New Delhi

POWER PROJECTS

Power Grid Corporation of India Ltd. (thru' ABB india), Solapur
Power Grid Corporation of India Ltd. (thru' L&T), Jind
Power Grid Corporation of India Ltd. (thru' CGL), Ludhiana
Talwandi Sabo Power Ltd., Mansa (Pb.)
Coming Technologies, Pune
Reliance Power Projects, Samalkot
KSK Power Projects, Champa, Chhattisgarh
Unosugen, Surat
Power Grid Corporation of India Ltd.
(thru' Alstom T&D India), Aurangabad

HOSPITALS

Fortis Hospital, Gurgaon
Max Hospital, Shalimar Bagh, New Delhi

BANK

Barclays Shared Services Pvt. Ltd., Chennai
Lakshmi Villas Bank Ltd., Chennai
RBS - Royal Bank of Scotland, Gurgaon

MALLS

M/S SLN Terminus, Hyderabad
R.D.E Mall, Gurgaon

COMMERCIAL

Adobe System India Pvt. Ltd., Noida
Dell International, Noida
Tech Park, Delhi
One BKC, Mumbai
Robert Bosch Engg. & Business Solutions Ltd., Coimbatore
Tril Infopark Ltd., Tata Consultancy Services, Chennai
Vodafone, Mumbai
Godrej Properties, Noida
India Bulls, Gurgaon
GB Formula 1 Racing Circuit, Greater Noida
Logix Park, Noida
Indian Express Towers, Mumbai
Noida City Centre, Noida
Wipro Group, Gurgaon

RESIDENTIAL

3C Lotus Zing, Noida
Amrapali Sapphire, Noida
CHD Developers Ltd., Golf Avenue Project, Gurgaon
Hamilton Heights, Faridabad
Hirrandani Upscale Project, Bangalore
Jaypee Green Kosmos, Noida
Lotos 300, Noida
Star Court, Noida
Raheja Exotica, Mumbai
Tata Parimanti, Tata Housing, Gurgaon
Prateek Stylome, Noida





EN331
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DUCTILE IRON PIPE FITTINGS



D.I. FITTINGS



Listed



Approved

AMERICAN STANDARD

Material: ASTM A536
Union Dimensions: B16.39
Size Available: 1/4" - 3"

Dimensions: B16.3. B16.14
Threads: NPT/ BSPT

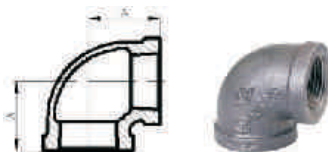


Improved Quality as compared to
EXPENSIVE FORGED FITTING

D.I. FITTINGS DUCTILE IRON PIPE FITTINGS

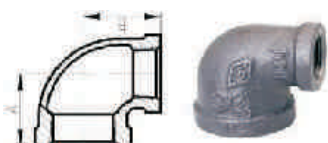


90
Elbow, 90°



Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"		
	mm	15	20	25	32	40	50	65	80		
Dimensions	A	28.5	33.3	38.1	44.5	49.3	57.2	68.6	78.2		

90R
Elbow, 90°,
Reducing



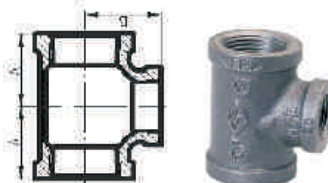
Size	Inch	3/4"x1/2"	1"x1/2"	1"x3/4"	1-1/4"x1/2"	1-1/4"x3/4"	1-1/2"x1"	1-1/2"x1/2"	1-1/2"x3/4"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1/2"	2"x3/4"	2"x1"
	mm	20x15	25x15	25x20	32x15	32x20	32x25	40x15	40x20	40x25	40x32	50x15	50x20	50x25
Dimensions	A	30.5	32	34.8	34	36.8	40.1	35.8	38.6	41.9	46.2	37.9	40.6	43.9
	B	31	35.5	36.8	38.9	41.2	42.4	42.2	44.5	45.7	47.8	47.8	50	51.3

130
Tee



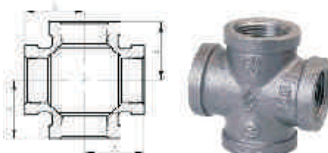
Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"			
	mm	15	20	25	32	40	50	65			
Dimensions	A	28.5	33.3	38.1	44.5	49.3	57.2	68.6			

130R
Tee,
Reducing



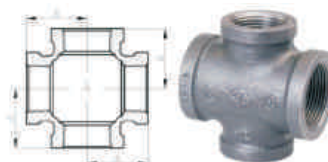
Size	Inch	3/4"x1/2"	1"x1/2"	1"x3/4"	1-1/4"x1/2"	1-1/4"x3/4"	1-1/2"x1"	1-1/2"x1/2"	1-1/2"x3/4"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1/2"	2"x3/4"	2"x1"	2"x1-1/4"	2"x1-1/2"
	mm	20x15	25x15	25x20	32x15	32x20	32x25	40x15	40x20	40x25	40x32	50x15	50x20	50x25	50x32	50x40
Dimensions	A	30.5	32	34.8	34	36.8	40.1	35.8	38.6	41.9	46.2	37.9	40.6	43.9	48.3	51.3
	B	31	35.5	36.8	38.9	41.2	42.4	42.2	44.5	45.7	47.8	47.8	50	51.3	53.3	54.9

180
Cross



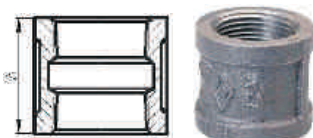
Size	Inch	1"	1-1/4"	1-1/2"	2"						
	mm	25	32	40	50						
Dimensions	A	38.1	44.5	49.3	57.2						

180R
Cross,
Reducing



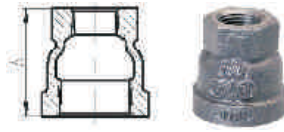
Size	Inch	1-1/4"x1"	1-1/2"x1"												
	mm	32x25	40x25												
Dimensions	A	40.1	41.9												
	B	42.4	45.7												

220
Socket



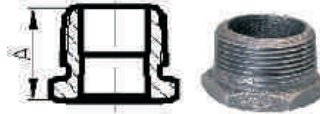
Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"				
	mm	15	20	25	32	40	50				
Dimensions	A	34	38.6	42.4	48.4	54.6	64.3				

240
Socket,
Reducing



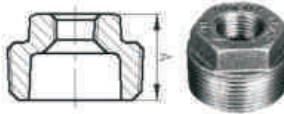
Size	Inch	1"x1/2"	1"x3/4"	1-1/4"x3/4"	1-1/4"x1"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1"	2"x1-1/4"	2"x1-1/2"			
	mm	25x15	25x20	32x20	32x25	40x25	40x32	50x25	50x32	50x40			
Dimensions	A	42.9	42.9	53	52.3	58.7	58.7	71.4	71.4	71.4			

241
Bushing



Size	Inch	1"x1/2"	1"x3/4"	1-1/4"x1"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1-1/2"
	mm	25x15	25x20	32x25	40x25	40x32	50x40
Dimensions	A	25.4	25.4	27.4	29	29	31

241N
Bushing



Size	Inch	2"x1"							
	mm	50x25							
Dimensions	A	32.8							

291
Plug



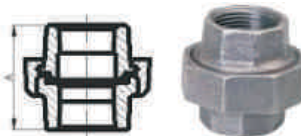
Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"			
	mm	15	20	25	32	40	50			
Dimensions	A	23.9	27.2	31.8	34.5	36.8	39.6			

300
Cap



Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"		
	mm	15	20	25	32	40	50	65		
Dimensions	A	22.1	24.6	39.5	32.5	33.8	36.8	43.2		

342
Union, conical
joint, Brass to
Iron seat



Size	Inch	1"	1-1/4"	1-1/2"	2"					
	mm	25	32	40	50					
Dimensions	A	52.3	57.4	61.2	69.9					

FEATURES



UL Approved
(Under Writer Laboratories, USA)

(Under Writer Laboratories, USA)

UL is the trusted resources across the globe for product safety certification and compliance solutions.

Benefitting a range of customers-from manufactures and consumers to regulatory Bodies and code officials we've Tested products for public safety for more than a century.



(World's Best Agency for Fire Fighting Approval)

Approved

(World's Best Agency for Fire Fighting Approval)

Your customers demand quality, and your position in the market place depends on producing quality products.

Ensure the quality of your products and protect your market share by obtaining third-party certification from FM Approvals.



The main features of these fittings are that these fittings are :

- UL Approved (Under Writer Laboratories, USA)
- FM Approved (World's Best Agency for Fire Fighting Approval)
- Threaded (Ease of Installation)
- Totally Safe & Leak Proof (Tested at Hydraulic pressure upto 2000psi)
- Accepted World Wide
- 20 – 30% lower in cost than currently used Forged Steel Fittings



**Accepted
World Wide**

Feature	Ductile Iron Fittings	Forged Fittings	Remarks
Internationally Used in Fire Fighting	Yes	No	Internationally Chosen Europe as well as USA
International Approval	Yes, UL & FM	No Approval	FM Approval is basic criterion for Fire Fighting Fittings
Ease of Use & Handling	High, Light Weight	Low, Extra Heavy	Installation Friendly
Test Pressure / Working Pressure	2000 psi/ 500 psi	1000 psi	Why use high pressure fittings when actual pressure is 300 psi or less
Cost / Price	Low, 30-40% cheaper than Forged Fittings	Very High	Do, we need say more.

COMPARISON CHART

Our **UL & FM Approved Ductile Iron Pipe Fittings for Fire Fighting**, are tested up to 2000 psi, whereas actual pressure carried in Fire Fighting Lines is much lower.

Chart shows the comparison between Forged Fittings & Fire Fighting Fittings.

Latest & low cost alternative of Forged Fittings tested up to 2000psi



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DUCTILE IRON GROOVED FITTINGS



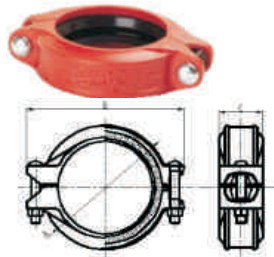
D.I. GROOVED FITTINGS

1G Rigid Coupling 	1N Flexible Coupling 	1NH Heavy Duty Flexible Coupling 	180 Cross 	240 Grooved Concentric Reducer 
230N Grooved Eccentric Reducer With Female Thread 	321G Adaptor Flange 	321 Grooved Flange 	110 22.5° Elbow 	120 45° Elbow 
90S Light-duty 90° Elbow 	130S Light-duty Tee 	130 Tee 	90 90° Elbow 	90R 90° Reducing Elbow 
300 Cap 	131R Reducing Tee (Threaded Branch) 	130R Reducing Tee (Grooved Branch) 	3J Mechanical Tee Threaded Outlet 	3G Mechanical Tee Grooved Outlet 
105 11.25° Elbow 	3L Small Mechanical Tee U-bolt 	180R Reducing Cross 	181 Reducing Cross 	4G Mechanical Cross Grooved Outlet 
4J Mechanical Cross Threaded Outlet 	240N Grooved Concentric Reducer With Female Thread 	240W Grooved Concentric Reducer With Male Thread 	230 Grooved Eccentric Reducer 	

D.I. GROOVED FITTINGS DUCTILE IRON GROOVED FITTINGS

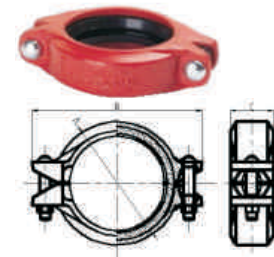


1G
Rigid
Coupling



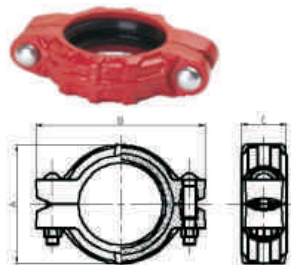
Nominal Size	mm/in	size	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	125	5	125	5				
Pipe O.D.	mm/in		34	1.33	42	1.67	48	1.9	60	2.38	73	2.88	76.1	3	89	3.5	108	4.3	114	4.5	133	5.3	140	5.5	141	5.56
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.5	500	3.45	500	3.45	500	3.5	500	3.5	500	3.5	500	3.5	450	3.1	450	3.1	450	3.1
Dimensions	A		60	2.35	67	2.64	73	2.9	85	3.35	99	3.9	102	4	116	4.6	141	5.6	146	5.8	167	6.6	172	6.8	172	6.77
	B		100	3.94	106	4.17	112	4.4	132	5.2	141	5.53	147	5.8	170	6.7	196	7.7	201	7.9	230	9.1	235	9.3	234	9.21
	C		45	1.75	46	1.81	46	1.8	47	1.85	45.5	1.79	45.5	1.8	47	1.9	52	2.1	52.5	2.1	53	2.1	52.5	2.1	52.5	2.07
Bolt Size	No.Size	mm	2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-1/2x70 2-1/2x70 2-1/2x70 2-5/8x85 2-5/8x85 2-5/8x85 2-5/8x85																							

1N
Flexible
Coupling



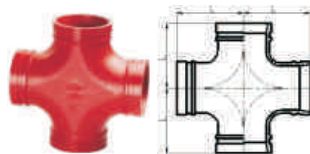
Nominal Size	mm/in	size	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	125	5	125	5	150	6				
Pipe O.D.	mm/in		33.7	1.327	42.4	1.669	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	159	6.25
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	450	3.1	450	3.1	450	3.1	450	3.1	450	3.1
Dimensions	A	mm/in	55.5	2.19	65	2.56	72	2.83	84	3.31	98	3.86	101.5	4	115.5	4.55	140	5.51	145.5	5.73	163	6.42	170	6.69	170	6.69	190	7.48
	B	mm/in	94	3.7	104	4.09	109	4.29	130	5.12	143	5.63	148	5.83	165	6.5	198.5	7.82	197	7.75	232	9.13	238.5	9.39	232	9.13	258	10.15
	C	mm/in	42	1.65	45.5	1.79	45.5	1.79	45.5	1.79	45.5	1.79	45.5	1.79	45.5	1.79	50.8	2	50.8	2	51.5	2.03	51.5	2.03	50.8	2	53.5	2.1
Bolt Size	No. Size	mm	2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-3/8x55 2-1/2x70 2-1/2x70 2-1/2x70 2-5/8x80 2-5/8x80 2-5/8x80 2-5/8x85																									

1NH
Heavy Duty
Flexible
Coupling



Nominal Size	mm/in	size	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8
Pipe O.D.	mm/in		60	2.38	76	3	88.9	3.5	114	4.5	141	5.56	165	6.5	168	6.63	219	8.63
Working Pressure	PSI/MPa		750	5.18	750	5.2	750	5.2	750	5.2	700	4.83	700	4.83	700	4.83	600	4.14
Dimensions	A	mm/in	92	3.6	104	4.1	123	4.8	153	6	181	7.13	207	8.15	210	8.27	269	10.6
	B	mm/in	134	5.28	155	6.1	173	6.8	215	8.5	250	9.85	280	11	285	11.2	355	14
	C	mm/in	46	1.81	46	1.8	47	1.9	51	2	52	2.05	52	2.05	52	2.05	62	2.44
Bolt / Nut	No. Size	mm	2-1/2x75 2-1/2x75 2-1/2x75 2-5/8x85 2-3/4x115 2-3/4x115 2-3/4x115 2-7/8x140															

180
Cross



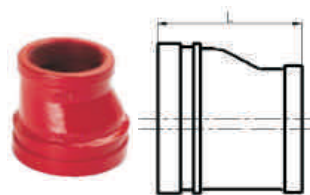
Nominal	Size	mm/in	32	1 1/4	40	1 1/2	50	2	65	2 1/2	80	3	100	4	100	4	125	5	125	5	150	6	150	6	150	6		
Pipe	O.D.	mm/in	42.4	1.66	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	141.3	5.563	159	6.25	165.1	6.5	168.3	6.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	68.85	2.75	68.85	2.75	82.55	3.25	95.25	3.75	101.5	4	108	4.25	127	5	127	5	139.7	5.5	139.7	5.5	165.1	6.5	165.1	6.5	165.1	6.5

240
Grooved
Concentric
Reducer



Nominal	size	mm/in	32x25	1 1/4x1	40x32	1 1/2x1 1/4	50x32	2x1 1/4	50x40	2x1 1/2	65x50	2 1/2x2	65x40	2 1/2x1 1/2	65x50
Pipe	O.D.	mm/in	42.4x33.7	1.660x1.315	48.3x42.4	1.900x1.660	60.3x42.4	2.375x1.660	60.3x48.3	2.375x1.900	73.0x60.3	2.875x2.375	76.1x48.3	3.000x1.900	76.1x60.3
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500
Dimensions	L	mm/in	64	2.5	64	2.5	64	2.5	64	2.5	64	2.5	64	2.5	64

230N
Grooved
Eccentric
Reducer
With Male
Thread



Nominal Size	mm/in	size	100x65	108.0x2 1/2	100x65	4x2 1/2	125x80	5x3	150x80	6x3
Pipe	O.D.	mm/in	108.0x76.1	4.250x3.000	114.3x76.1	4.500x3.000	139.7x88.9	5.500x3.500	165.1x88.9	6.500x3.500
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	102	4	102	4	127	5	140	5.5



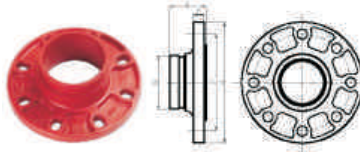
EN331
Approved



AN ISO 9001 : 2008
CERTIFIED CO.

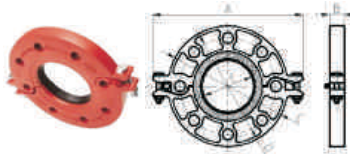


321G Adaptor Flange



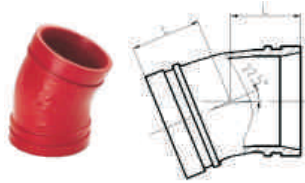
Nominal Size	mm/in	size	40	1 1/2	50	2	65	2 1/2	65	76.1	80	3	100	108	100	4	125	133	125	139.7	125	15	150	159.1	150	165.1	150	6
Pipe O.D.	mm/in		48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	159	6.25	165.1	6.5	168.3	6.625
Working Pressure	PSI/MPa		225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6
Dimensions	L	mm/in	60.3	2.375	60.3	2.375	70	2.756	70	2.756	70	2.756	60.3	2.375	76	2.992	60.3	2.375	89	3.5	89	3.5	65.1	2.563	89	3.5	89	3.5
	X	mm	150	5.9	152.5	6	185	7.28	185	7.28	200	7.87	220	8.66	229	9	250	9.84	252	9.921	252	9.921	280	11	280	11	280	11
	Y	mm	110	4.33	125	4.92	145	5.7	145	5.7	160	6.3	180	7.09	180	7.09	210	8.27	210	8.27	210	8.27	240	9.45	240	9.45	240	9.45
	Z	mm	16	0.63	18	0.71	16	0.63	16	0.63	16	0.63	18	0.71	16	0.63	18	0.71	21	0.83	21	0.83	20	0.78	24	0.94	24	0.94
Bolt / Nut	No.Size	mm	4-M16		4-M16		4-M16		4-M16		8-M16		8-M16		8-M16		8-M16		8-M16		8-M16		8-M20		8-M20		8-M20	

321 Grooved Flange



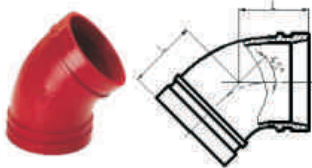
Nominal Size	mm/in	size	40	1 1/2	50	2	65	2 1/2	65	76.1	80	3	100	108	100	4	125	133	150	165.1	165	6	200	8	250	10	300	12
Pipe O.D.	mm/in		48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	165.1	6.5	168.3	6.625	219.1	8.625	273	10.75	323.9	12.75
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
Dimensions	A	mm/in	195	7.68	220	8.66	235	9.25	235	9.25	252	9.92	280	11.02	280	11.02	320	12.6	346	13.62	346	13.62	414.3	16.31	481.2	18.94	530.5	20.88
	B	mm/in	24	0.95	24	0.95	24	0.95	24	0.95	24	0.95	25.5	1	25.5	1	25.5	1	25.5	1	25.5	1	30	1.18	30.3	1.19	30.3	1.19
	C	mm/in	150	5.9	165	6.5	182	7.16	185	7.28	200	7.87	220	8.66	229	9	254	10	280	11	280	11	341.4	13.44	405.6	15.97	460	18.11
	D	mm/in	110	4.33	125	4.92	145	5.71	145	5.71	160	6.3	180	7.09	180	7.09	210	8.27	240	9.45	240	9.45	295	11.61	355	13.98	410	16.14
	E	mm/in	45.4	1.78	57.5	2.26	69.8	2.74	72.7	2.86	85.5	3.37	104.5	4.11	110.5	4.35	135.5	5.33	160.8	6.33	164.3	6.47	214.9	8.46	268.9	10.59	318.9	12.56
Bolt / Nut	No.Size		2-M10x50		2-M10x50		2-M10x50		2-M10x50		2-M10x50		2-M12x55		2-M12x55		2-M12x55		2-M12x55		2-M12x55		2-3/8x70		2-3/8x70		2-3/8x70	

110 22.5° Elbow



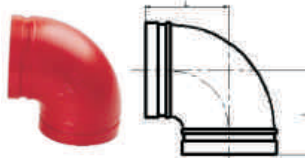
Nominal	Size	mm/in	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8
Pipe	O.D.	mm/in	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	159	6.25	165.1	6.5	168.3	6.625	219.1	8.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	51	2.01	57	2.24	73	2.87	73	2.87	79	3.11	79	3.11	79	3.11	79	3.11	98	3.86

120 45° Elbow



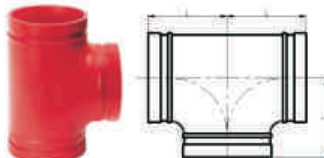
Nominal	Size	mm/in	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8	150
Pipe	O.D.	mm/in	33.7	1.315	42.4	1.66	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	159	6.25	165.1	6.5	168.3
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500
Dimensions	L	mm/in	44.45	1.75	44.45	1.75	44.45	1.75	50.8	2	57.15	2.25	57.15	2.25	63.5	2.5	80	3.15	76.2	3	82.5	3.25	82.5	3.25	82.5	3.25	95	3.75	89		

90S Light-duty 90° Elbow



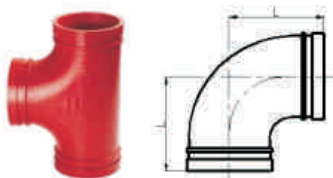
Nominal	Size	mm/in	50	2	65	2 1/2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8	200	8	200	8	200	8
Pipe	O.D.	mm/in	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	159	6.25	165.1	6.5	168.3	6.625	216.3	8.516	216.3	8.516	216.3	8.516	216.3	8.516
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
90S Light-duty 90 Elbow	L	mm	69.85	2.75	76.2	3	76.2	3	85.85	3.38	101.6	4	101.6	4	123.95	4.88	139.7	5.5	139.7	5.5	139.7	5.5	174.5	6.87	174.5	6.87	174.5	6.87	174.5	6.87
130S Light-duty Tee	L	mm	69.85	2.75	76.2	3	76.2	3	85.85	3.38	101.6	4	101.6	4	123.95	4.88	139.7	5.5	139.7	5.5	139.7	5.5	174.5	6.87	174.5	6.87	174.5	6.87	174.5	6.87

130S Light-duty Tee



Nominal	Size	mm/in	50	2	65	2 1/2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8	200	8	200	8	200	8
Pipe	O.D.	mm/in	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	159	6.25	165.1	6.5	168.3	6.625	216.3	8.516	216.3	8.516	216.3	8.516	216.3	8.516
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
90S Light-duty 90 Elbow	L	mm	69.85	2.75	76.2	3	76.2	3	85.85	3.38	101.6	4	101.6	4	123.95	4.88	139.7	5.5	139.7	5.5	139.7	5.5	174.5	6.87	174.5	6.87	174.5	6.87	174.5	6.87
130S Light-duty Tee	L	mm	69.85	2.75	76.2	3	76.2	3	85.85	3.38	101.6	4	101.6	4	123.95	4.88	139.7	5.5	139.7	5.5	139.7	5.5	174.5	6.87	174.5	6.87	174.5	6.87	174.5	6.87

130 Tee



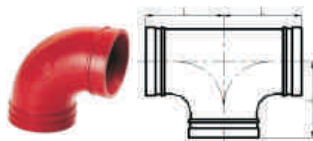
Nominal	Size	mm/in	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8	150
Pipe	O.D.	mm/in	33.7	1.315	42.4	1.66	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	159	6.25	165.1	6.5	168.3
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500
90 90 Elbow	L	mm	57.15	2.25	69.85	2.75	69.85	2.75	82.55	3.25	95.25	3.75	95.25	3.75	107.95	4.25	127	5	122	4.8	139.7	5.5	139.7	5.5	165.1	6.5	165.1	6.5	165.1	6.5	165.1
130 Tee	L	mm	57.15	2.25	69.85	2.75	69.85	2.75	82.55	3.25	95.25	3.75	95.25	3.75	107.95	4.25	127	5	122	4.8	139.7	5.5	139.7	5.5	165.1	6.5	165.1	6.5	165.1	6.5	165.1

5) DUCTILE IRON GROOVED FITTINGS



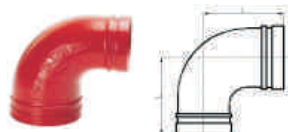
A.1. GROOVED FITTINGS

90
90°
Elbow



Nominal	Size	mm/in	25	1	32	1/4	40	1 1/2	50	2	65	2 1/2	65	2 1/2	80	3	100	4	125	5	125	5	125	5	150	6	150	6
Pipe	O.D.	mm/in	33.7	1.315	42.4	1.66	48.3	1.9	60.3	2.375	7.3	2.875	76.1	3	88.9	3.5	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	165.1	6.5	168.3	6.62
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
90 90 Elbow		L	57.15	2.25	69.85	2.75	69.85	2.75	82.55	3.25	95.25	3.75	95.25	3.75	107.95	4.25	127	5	122	4.8	139.7	5.5	139.7	5.5	165.1	6.5	165.1	6.5
130 °Tee		L	57.15	2.25	69.85	2.75	69.85	2.75	82.55	3.25	95.25	3.75	95.25	3.75	107.95	4.25	127	5	122	4.8	139.7	5.5	139.7	5.5	165.1	6.5	165.1	6.5

90R
90°
Reducing
Elbow



Nominal	Size	mm/in	80×65	3×2½	100×65	4×2½	100×80	4×3	150×150	6×4	150×100	6×4
Pipe	O.D.	mm/in	88.7×76.1	3.500×3.000	114.3×76.1	4.500×3.000	114.3×88.9	4.500×3.500	165.1×114.3	6.500×4.500	168.3×114.3	6.625×4.500
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	108	4.25	127	5	127	5	165	6.5	165	6.5

105
11.25°
Elbow



Nominal	Size	mm/in	50	2	65	21-Feb	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8
Pipe	O.D.	mm/in	60.3	2.375	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	159	6.25	165.1	6.5	168.3	6.625	219.1	8.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	mm/in	L	35	1.38	38	1.506	38	1.5	44	1.73	44	1.73	51	2.01	51	2.01	51	2.01	51	2.01	51	2.01

300
Cap

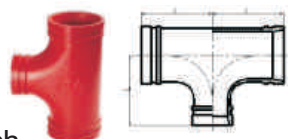
[illegible]

131R
Reducing
Tee
Threaded Branch



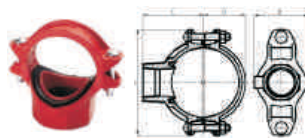
Nominal	Size	mm/in	50x25	2x1	50x32	2x1½	50x40	2x1½	65x25	2½x1	65x32	2½x1½	65x25	2½x1	65x32
Pipe	O.D.	mm/in	60.3x33.7	2.375x1.315	60.3x42.4	2.375x1.660	60.3x48.3	2.375x1.900	73.0x43.7	2.875x1.315	73.0x42.4	2.875x1.660	76.1x33.7	3.000x1.315	76.1x42.4
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300
Dimensions	mm/in	L1	82.5	3.25	82.5	3.25	82.5	3.25	76	2.99	76	2.99	76	2.99	95
		L2	82.5	3.25	82.5	3.25	82.5	3.25	76	2.99	76	2.99	76	2.99	95

130R
Reducing
Tee
Grooved Branch



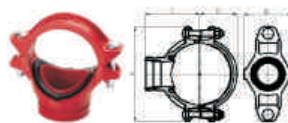
Nominal	Size	mm/in	50x25	2x1	50x40	2x1½	65x40	2½x1½	65x50	2½x2	65x32	2½x1½	65x40	2½x1½
Pipe	O.D.	mm/in	60.3x33.7	2.37x1.315	60.3x48.3	2.37x1.900	73.0x48.3	2.875x1.900	73.0x60.3	3.000x2.375	76.1x42.4	3.000x1.660	76.1x48.3	3.000x1.900
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	82.5	3.25	82.5	3.25	101.5	4	101.5	4	101.5	4	101.5	4

3J
Mechanical
Tee
Threaded
Outlet



Nominal	Size	mm/in	50x15	2x½	50x20	2x¾	50x25	2x1	50x32	2x1¼	50x40	2x1½	65x20	2½x¾
Pipe	O.D.	mm/in	60.3x21.3	2.375x0.825	60.3x26.9	2.375x1.050	60.3x33.7	2.375x1.315	60.3x42.4	2.375x1.660	60.3x48.3	2.375x1.900	73.0x26.9	2.875x1.050
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
Hole Dia	mm/in	+1.6,0/ +0.063	38	1.5	38	1.5	38	1.5	45	1.75	45	1.75	38	1.5
Dimensions	mm/in		116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	144	5.67
			68	2.68	68	2.68	68	2.68	76	2.99	76	2.99	71	2.76
			60	2.36	60	2.36	60	2.36	65	2.56	65	2.56	75	2.72
			39	1.54	39	1.54	39	1.54	39	1.54	39	1.54	49	1.93
Bolt Size		3/8x55		3/8x55		3/8x55		3/8x55		3/8x55		1/2x60		

3G
Mechanical
Tee
Grooved
Outlet



Nominal	Size	mm/in	50x32	2±1%	50x40	2±1%	65x32	2½±1%	65x25	76.1±1	65x32	76.1±1%	65x40	76.1±1%	80x25	3±1	80x32
Pipe	O.D.	mm/in	60.3x42.4	2.375±1.660	60.3x48.3	2.375±1.900	73.0x42.4	2.875±1.660	76.1x32.7	3.000±1.315	76.1x42.4	3.000±1.660	76.1x48.3	3.000±1.900	88.9x53.7	3.500±1.515	88.9x42.4
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300
Hole Dia	mm/in	+1.6,0/-0.063	45	1.75	45	1.75	51	2	38	1.5	51	2	51	2	38	1.5	51
Dimensions		mm/in	116	4.57	116	4.57	144	5.67	137	5.39	137	5.39	137	5.39	152	5.98	152
			76	2.99	76	2.99	84.5	3.33	71	2.8	84.5	3.33	84.5	3.33	72.5	2.85	85.5
			69.5	2.74	69.5	2.74	75	2.95	78	3.07	78	3.07	78	3.07	84.5	3.33	84.5
			39	1.54	39	1.54	49	1.93	49.5	1.95	49.5	1.95	49.5	1.95	56.5	2.22	56.5
Bolt Size				3/8x55		3/8x55		1/2x60		1/2x75		1/2x75		1/2x75		1/2x75	



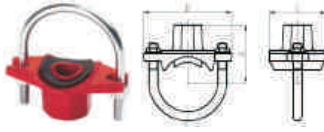
EN331
Approved



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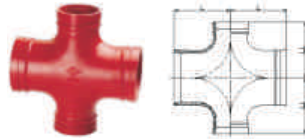


3L Small Mechanical Tee U-bolt



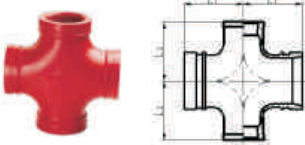
Nominal Size	mm/in	size	40	1 1/2	50	2	65	2 1/2	65	76.1	80	3	100	108	100	4	125	133	125	139.7	125	15	150	159.1	150	165.1	150	6
Pipe O.D.	mm/in		48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	139.7	5.5	141.3	5.563	159	6.25	165.1	6.5	168.3	6.625
Working Pressure	PSI/MPa		225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6
Dimensions	L	mm/in	60.3	2.375	60.3	2.375	70	2.756	70	2.756	70	2.756	60.3	2.375	76	2.992	60.3	2.375	89	3.5	89	3.5	65.1	2.563	89	3.5	89	3.5
	X	mm/in	150	5.9	152.5	6	185	7.28	185	7.28	200	7.87	220	8.66	229	9	250	9.84	252	9.921	252	9.921	280	11	280	11	280	11
	Y	mm/in	110	4.33	125	4.92	145	5.7	145	5.7	160	6.3	180	7.09	180	7.09	210	8.27	210	8.27	210	8.27	240	9.45	240	9.45	240	9.45
	Z	mm/in	16	0.63	18	0.71	16	0.63	16	0.63	16	0.63	18	0.71	16	0.63	18	0.71	21	0.83	21	0.83	20	0.78	24	0.94	24	0.94
Bolt / Nut	No. Size	mm/in	4-M16		4-M16		4-M16		4-M16		8-M16		8-M16		8-M16		8-M16		8-M16		8-M16		8-M20		8-M20		8-M20	

180 Reducing Cross



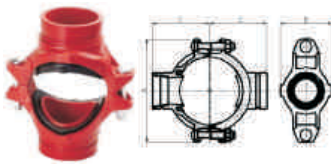
Nominal	Size	mm/in	65x50	2 1/2x2	80x50	3x2	100x50	4x2	100x80	4x3	125x100	5x4	150x50	6x2
Pipe	O.D.	mm/in	76.1x60.3	3.000x2.375	88.9x60.3	3.500x2.375	114.3x60.3	4.500x2.375	114.3x88.9	4.500x3.500	139.7x114.3	5.500x4.500	165.1x60.3	6.500x2.375
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	101.5	4	108	4.25	127	5	127	5	140	5.5	165	6.5
Dimensions	L1	mm/in	101.5	4	108	4.25	127	5	127	5	140	5.5	165	6.5

181 Reducing Cross



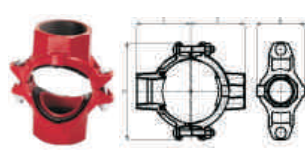
Nominal	Size	mm/in	65x50	2 1/2x2	80x32	3x1 1/2	80x40	3x1 1/2	80x50	3x2	100x25	4x1	100x32	4x1 1/2
Pipe	O.D.	mm/in	76.1x60.3	3.000x2.375	88.9x42.4	3.500x1.660	88.9x48.3	3.500x1.900	88.9x60.3	3.500x2.375	114.3x33.7	4.500x1.315	114.3x42.4	4.500x1.660
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
Dimensions	L1	mm/in	101.5	4	108	4.25	108	4.25	108	4.25	76	2.99	76	2.99
	L2	mm/in	101.5	4	108	4.25	108	4.25	108	4.25	88	3.47	88	3.47

4G Mechanical Cross Grooved Outlet



Nominal	Size	mm/in	65x25	76.1x1	66x32	76.1x1½	65x40	76.1x1½	80x25	3x1	80x32	3x1½	80x40	3x1½
Pipe	O.D.	mm/in	76.1x33.7	3.000x1.315	76.1x42.4	3.000x1.660	76.1x48.3	3.000x1.900	88.9x33.7	3.500x1.315	88.9x42.4	3.500x1.660	88.9x48.3	3.500x1.900
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07
Hole Dia	mm/in	+1.6.0/ +0.063	38	1.5	51	2	51	2	38	1.5	51	2	51	2
Dimensions mm/in		A	137	5.39	137	5.39	137	5.39	152	5.98	152	5.98	152	5.98
		B	71	2.8	84.5	3.33	84.5	3.33	72.5	2.85	85.5	3.37	85.5	3.37
		C	78	3.07	78	3.07	78	3.07	84.5	3.33	84.5	3.33	84.5	3.33
		D	49.5	1.95	49.5	1.95	49.5	1.95	56.5	2.22	56.5	2.22	56.5	2.22
Bolt Size			1/2x75		1/2x75		1/2x75		1/2x75		1/2x75		1/2x75	

4J Mechanical Cross Threaded Outlet



Nominal	Size	mm/in	50x25	2x1	50x32	2x1½	50x32x25	2x1½x1	50x40	2x1½	50x40x25	2x1½x1	65x25	2½x1	65x32	2½x1½	
Pipe	O.D.	mm/in	60.3x33.7	2.375x1.315	60.3x42.4	2.375x1.660	60.3x42.4	2.375x1.660	60.3x48.3	2.375x1.900	60.3x48.3	2.375x1.900	73.0x33.7	2.875x1.315	73.0x42.4	2.875x1.660	
Working Pressure	PSI/MPa		300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	300	2.07	
Hole Dia	mm/in		+1.6.0/ +0.063	38	1.5	45	1.75	45/38	1.75/1.50	45	1.75	45/38	1.75/1.50	38	1.5	51	2
Dimensions		mm/in	A	116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	144	5.67	144	5.67
		B	68	2.68	76	2.99	76	2.99	76	2.99	76	2.99	70	2.76	84.5	3.33	
		C	60	2.36	65	2.56	65	2.56	65	2.56	65	2.56	69	2.72	73	2.87	
		D	60	2.36	65	2.56	60	2.36	65	2.56	60	2.36	69	2.72	73	2.87	
Bolt Size			3/8x55		3/8x55		3/8x55		3/8x55		3/8x55		1/2x60		1/2x60		

240N Grooved Concentric Reducer With Female Thread



Nominal Size	Grooved Threaded	mm/in	50x15	2x1/2	50x20	2x3/4	50x25	2x1	50x32	2x1 1/2	50x40	2x1 1/2	65x25	2 1/2x1
Pipe	O.D.	mm/in	60.3x21.3	2.375x0.825	60.3x26.9	2.375x1.05	60.3x33.7	2.375x1.315	60.3x42.4	2.375x1.660	60.3x48.3	2.375x1.900	73.0x33.7	2.875x1.315
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	64	2.5	64	2.5	64	2.5	64	2.5	64	2.5	64	2.5

240W Grooved Concentric Reducer With Male Thread



Nominal Size	mm/in	Size	65x50	2 1/2x2	65x50	2 1/2x2	80x25	3x1	100x50	4x2	200x150	8x6
Pipe	O.D.	mm/in	73.0x60.3	2.875x2.375	76.1x60.3	3.000x2.375	88.9x33.7	3.500x1.315	114.3x60.3	4.500x2.375	219.1x168.3	8.625x6.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	64	2.5	64	2.5	64	2.5	76	3	127	5

230 Grooved Eccentric Reducer



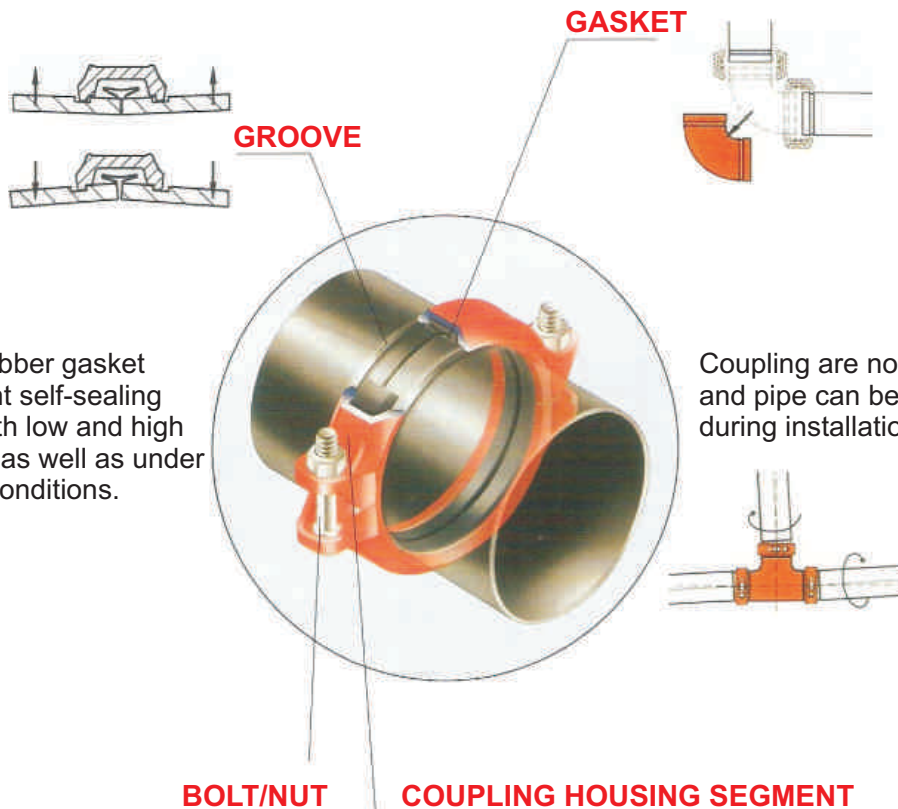
Nominal Size	mm/in	80x50	3x2	100x65	4x2 1/2	100x80	4x3	100x65	4x2 1/2	100x80	4x3	125x100	5x4	150x100	6x4	150x100
Pipe	O.D.	mm/in	88.9x60.3	3.500x2.375	108.0x76.1	4.250x3.000	108.0x88.9	4.250x3.500	114.3x76.1	4.500x3.000	114.3x88.9	4.500x3.500	139.7x114.3	5.500x4.500	159.0x108.0	6.250x4.250
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	89	3.5	102	4	102	4	102	4	102	4	127	5	140	5.5

5 FLEXIBLE COUPLING



A flexible coupling accommodates pipe deflection and or non-alignment as below: if nominal diameter <DN200, deflection angle is $>1^\circ$; If nominal diameter >DN200, deflection angle is $>0.5^\circ$ but $<1^\circ$

With the removal of just a few bolts, you can easily access the system for cleaning, maintenance, changes or system expansion.

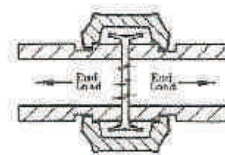
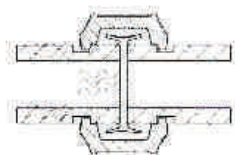


The C-shaped rubber gasket provides excellent self-sealing capabilities in both low and high pressure service as well as under certain vacuum conditions.

Coupling are non-directive and pipe can be rotated 360° during installation.

The design and construction of the coupling with elastomeric gaskets can provide significant noise and vibration absorption as well as seismic stress.

Coupling keys engage the full circumference of the grooves and provide significant pressure and end load restraint against pipe movement from internal and external forces.

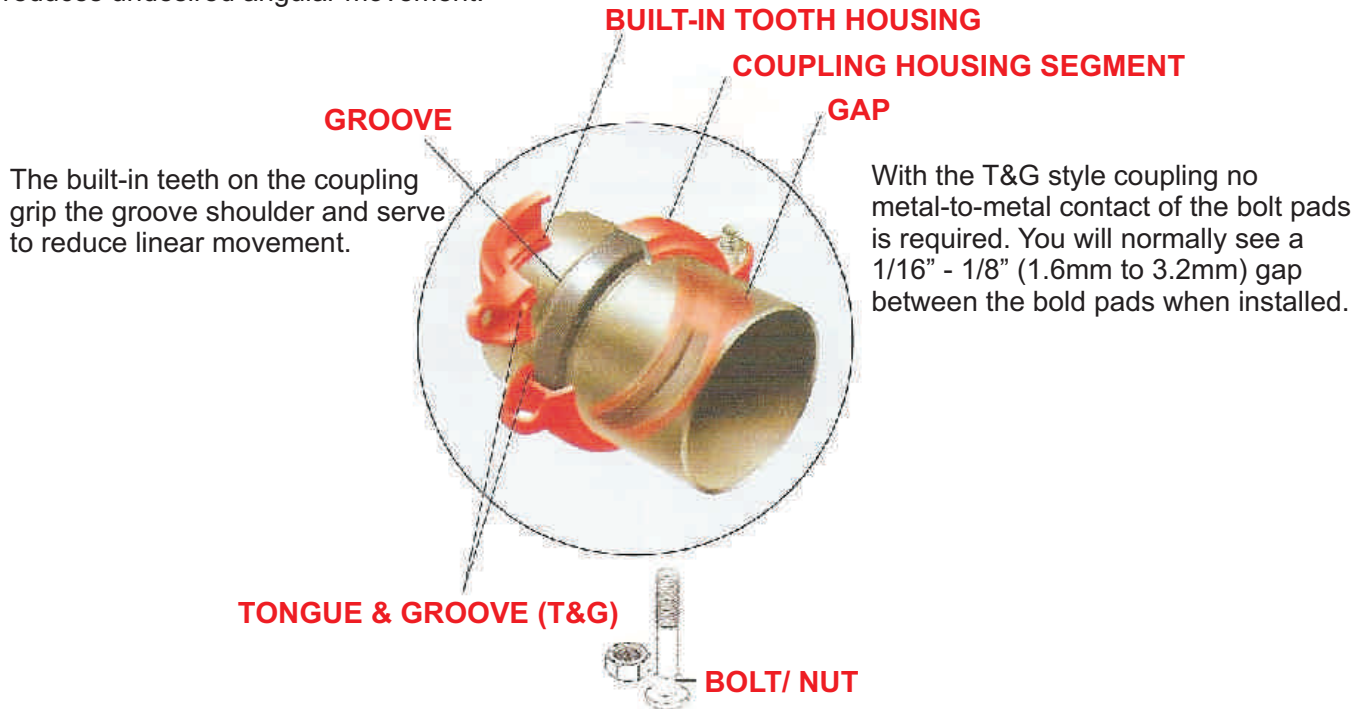


RIGID COUPLING

RIGID COUPLING

The T&G mechanism in combination with a slightly shortened key diameter provides a mechanical and frictional interlock resulting in a rigid joint which reduces undesired angular movement.

The T&G mechanism features a slight offset at the foot of the coupling halves which serve to protect the gasket from exposure.



The Mechanical Tee (3J, 3G, 3L) provide for a fast and easy grooved or threaded branch outlet and eliminate the need for welding or the use of a reducing tee and couplings. Simply cut a hole to the specified size at the expected location and fasten the mechanical tee to the pipe with the nuts and bolts provided. As the housing bolts are tightened, the pressure responsive gasket forms a leak-tight seal.



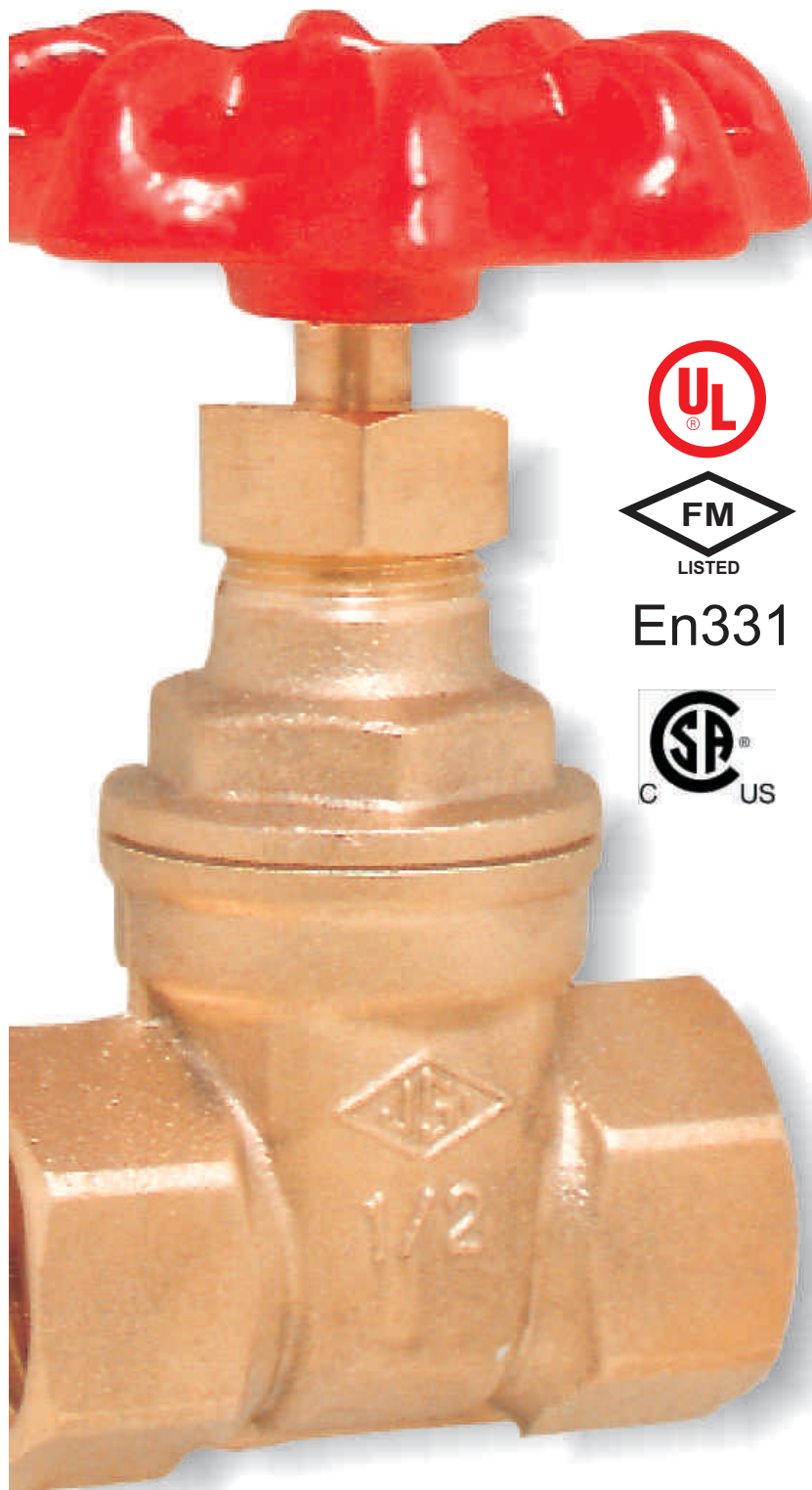


ZHIQING



FORGED BRASS VALVES

**Forged Brass Valves
India's Famous Brand
Approved by Major
Gas Companies**



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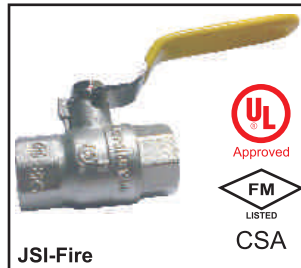
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FORGED BRASS VALVES



FEMALE UL/FM/CSA BALL VALVE



Main Features :-

Body : Forged Brass, **Ball** : Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat** : Pure PTFE conical arc cut, **Stem Seal** : Double "O" Ring of Viton Rubber (Silicon Free), **Nut** : Self locking Nyloc nut.

JSI Fire Brass Ball Valves are approved in accordance to the latest Euro Norms EN: 331:1998. **Approved by UL/FM/ CSA.** Suitable for Water, Steam and Vacuum.

Can be used for Domestic and Commercial, Plumbing, Industrial Application, Sanitary, Pneumatic systems, Waterworks, Oil pipelines, Hot water services, Condensate services, Petrol & other hydrocarbon services and especially. **FIRE FIGHTING**

FORGED FILTER BALL VALVE



Pressure : PN - 16, **Threading** : Standard female parallel threads to ISO 7/1, **Material** : **Body** : Hot pressed brass, nickel plated, **Ball** : Brass, machined to a micro - smooth finish, hard chrome plated, **Handle** : Hard duraluminium alloy A1 - Si 12, **Gaskets** : Conical rings in P.T.F.E. pure Teflon, **Strainer** : Stainless steel 18/8 Ø perforations 0.65 mm, **Vacuum** : 10 Torr., **Sizes** : 1/2" to 2".

JSI-02 Forged Filter Ball Valves are manufactured in accordance with ISO 9001 and can be used for ; water works, heating systems, Sanitary, pneumatic systems, Protecting and expanding installation for the filtration of fluid, collecting impurities, sand, rust, metal shaving, assuring total protection of the system.

Main Features:-

***M.O.P.** : 20 bars (300 psi), ***M.O.T.** : Fluid at - 20°C to 150°C, **Test**

FEMALE GAS BALL VALVE



Main Features :-

Body : Forged Brass, **Ball** : Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat** : Pure PTFE conical arc cut, **Stem Seal** : Double "O" Ring of Viton Rubber (Silicon Free), **Nut** : Self locking Nyloc nut, BSP Female Threads. The sealing dimensions and ball diameter allow a blind operating angle $\geq 10^\circ$, **On Request** : American NPT threads ANSI B1.20.1, **Working Pressure** : Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr. **Working Temperature** : Fluid at -20°C to +150°C, **Gas** : -20°C to +60°C, **Sizes** : 1/4" to 2".

JSI-03 Gas Ball Valves are approved in accordance to the latest Euro Norms EN : 331:1998. **Approved by Gujarat Gas.** Suitable for Water, Steam, Vacuum, Gas distribution such as Town Gas, Natural Gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial Application, Agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, hotwater services, condensate services, petrol and other hydrocarbon services etc.

FEMALE GAS BALL VALVE (WITH BUTTERFLY HANDLE)



Main Features :-

Body : Forged Brass, **Ball** : Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat** : Pure PTFE conical arc cut, **Stem Seal** : Double "O" Ring of Viton Rubber (Silicon Free), **Nut** : Self locking Nyloc nut, BSP Female Threads. The sealing dimensions and ball diameter allow a blind operating angle $\geq 10^\circ$, **Handle** : Butterfly Handle, **On Request** : American NPT threads ANSI B1.20.1, **Working Pressure** : Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temp.** : Fluid at -20°C to +150°C, **Gas** : -20°C to +60°C, **Sizes** : 1/2" to 1". **Approved by Indraprastha Gas Ltd., New Delhi.**

JSI-04 Gas Ball Valves are approved in accordance to the latest Euro Norms EN : 331:1998. **Approved by GAIL INDIA & IGL.** Suitable for Water, Steam, Vacuum, Gas distribution such as Town Gas, Natural Gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial Application, Agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, and other hydrocarbon services etc.

FEMALE GAS BALL VALVE (WITH NOZZLE) FEMALE APPLIANCE VALVE



services etc. The **Female thread** with knurling provides full grip of PTFE thread seal tape covering any gaps properly & does not allow it to slip.

Main Features :-

Body : Forged Brass, **Ball** : Forged brass, machined to mirror finish, Hard Chrome plated, **HOSE UNION, CAP & STEM** : Machined from Brass rod, **Seat** : Pure PTFE conical arc cut, **STEM SEALS** : Double "O" Ring in Perbunan NBR - DIN 3635/1. **NUT** : Self locking Nyloc nut, BSP **female threads** with knurling, **Working Pressure** : Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temperature** : Fluid at -20°C to +180°C, **Gas** : -20°C to +60°C, **Sizes** : 1/4" to 1/2" BSPT/NPT.

JSI-05 Female Gas Ball Valve with hose nipple is approved with European standard Gas applications (90/396/EEC) also in compliance to the latest Euro Norms EN:331:1998. Suitable for Water, Steam, Gas distribution such as Town Gas, Natural gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial applications, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, condensate services, petrol and other hydrocarbon

MALE GAS BALL VALVE (WITH NOZZLE) MALE APPLIANCE VALVE



Male thread with knurling provides full grip of PTFE thread seal tape covering any gaps properly & does not allow it to slip.

Main Features :-

Body : Forged Brass, **Ball** : Forged brass, machined to mirror finish, Hard Chrome plated, **HOSE UNION, CAP & STEM** : Machined from Brass rod, **Seat** : Pure PTFE conical arc cut, **STEM SEALS** : Double "O" Ring in Perbunan NBR - DIN 3635/1. **NUT** : Self locking Nyloc nut, BSP **male threads** with knurling, **Working Pressure** : Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temperature** : Fluid at -20°C to +180°C, **Gas** : -20°C to +60°C, **Sizes** : 1/4" to 1/2" BSPT.

JSI-06 Male Gas Ball Valve with hose nipple is approved with European standard Gas applications (90/396/EEC) also in compliance to the latest Euro Norms EN:331:1998. Suitable for Water, Steam, Gas distribution such as Town Gas, Natural gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial applications, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, condensate services. The

* M.O.P. :- Maximum Operating Pressure, * M.O.T. :- Maximum Operating Temperature



FEMALE BALL VALVE WITH UNION



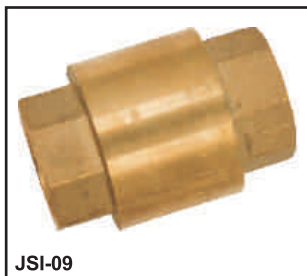
JSI-07

JSI-07 Ball Valves with Union are manufactured in accordance with ISO 9001 and can be used for : domestic and commercial plumbing, industrial applications, agricultural requirements and heating, sanitary, pneumatic systems, waterworks, hot water services, condensate lines and is suitable for generally with every non-aggressive fluid.

Main Features :-

***M.O.P.** : 20 bar (300 psi), ***M.O.T.** : Working limit for fluids at - 20° C to 150° C, **Test pressure** : PN - 16, **Threading** : BSP, **Materials** : **BODY** : Brass, **Ball** : Brass, machined to a micro-smooth finish, Hard chrome plated, **Handle** : Dacromet rugged steel with PVC grip, **Ball Gaskets** : Conical rings in P.T.F.E. pure Teflon, **Vacuum** : 10 Torr., **Sizes** : 1/2", 3/4", 1".

JOLLY CHECK VALVE



JSI-09

JSI-09 Jolly Check Valves can be used for : heating, sanitary, compressed air systems, pumps, autoclaves. It is suitable for installation either in vertical, horizontal or oblique pipelines to allow flow in one direction.

Main Features :-

The Jolly Check Valve opens & lifts under pressure of 0.25 bar (4psi) & is free to rotate. An arrow on the body indicates the direction of flow.

ADVANTAGES : Low pressure drop, prevents water, hammer, compact design, noiseless in operation, no risk of fluid reverting the flow direction, full flow area equal to nominal size, safe & reliable in operation.

Body & End Connector : Hot forged brass, **Spring** : 18/8 AISI 302 stainless steel, **Inner Valve** : Hostaform, **Valve Face** : NBR rubber, **Threading** : Female parallel threads to ISO 7/1, **Hydrostatic Test Pressure** : Shell 10 bar (150 psi), Seat 10 bar (150 psi), **Sizes** : 1/2" to 2".

FORGED FOOT VALVE WITH S.S. SCREEN



JSI-11

JSI-11 Foot Valves with S.S. Screen can be used for ; pumping of liquids from underground tanks. It is suitable for installation in vertical pipelines to allow fluid in one direction.

Main Features :-

The Foot Valves inner valve opens and lifts under pressure of 0.25 bar (4 psi) and free to rotate and fitted with an S.S. Screen.

Body & End Connectors : Hot forged brass, **Spring** : 18/8 AISI 302

stainless steel, **Inner Valve** : Hostaform, **Valve Face** : NBR Rubber, **Threading** : Female parallel threads to ISO-7/1, **Pressure** : Shell 10 bar (150 psi), Seat 10 bar (150 psi), **Sizes** : 1/2" to 2".

FORGED BRASS GATE VALVE



JSI-08

JSI-08 Gate Valves are manufactured in accordance with BS 5154/B - PN 16 and can be used for : heating plants, sanitary systems, plumbing services, waterworks, pneumatic systems & steam.

Main Features :-

Body, Bonnet, Wedge : Forged brass, **Stem and Metal Components** : Machined from extruded brass, **Packing** : Suitable to a maximum temperature of 250° C,

Gland Packing : Asbestos free AF15 heat resistant fibre, elastomers, synthetic resin and PTFE, suitable to max. temp. of 250° C, **Handwheel** : Registered "JSI" model in hard duraluminium A1-SI 12 alloy showing "On-Off", BSP Female Threads, Integral seat in accordance in nominal dimension. **Hydrostatic Test Pressure** : Shell 25 Bar (350 psi), Seat 15 Bar (250 psi), **Sizes** : 1/2" to 6".

FORGED SWING CHECK VALVE



JSI-10

JSI-10 Forged Swing Check Valves can be used for heating, sanitary, compressed air systems, pumps, autoclaves, handling water, air, vacuum etc. Can be used for vertical, horizontal or oblique pipelines to allow flow in one direction.

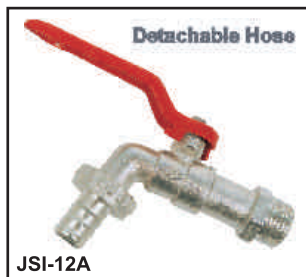
Main Features :-

The forged swing check valve opens and lifts under pressure of 0.25 bar (4psi), very low pressure drop, prevents water hammer. Compact

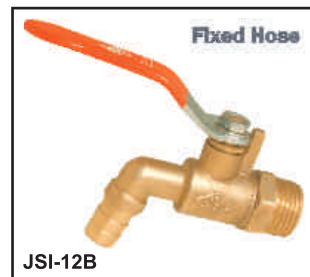
design, noiseless operation, dent proof hostaform soft seating. Full flow area equal to nominal size.

Body : Forged Brass, **Spring** : Conical tempered spring in SS 316, **Inner Valve** : Hostaform, **Valve Face** : NBR rubber, **ENDS** : Screwed BSP Female x female ends, **Pressure** : Shell 20 Bar Hydro, Seat 15 Bar Hydro, **Temp** : -10°C to +80°C, **Sizes** : 1/2" to 2".

FORGED BALL BIB COCK (DETACHABLE HOSE FIXED HOSE)



JSI-12A



JSI-12B

JSI-12 Ball Bib Cock are manufactured in accordance with ISO 9001 and can be used for domestic plumbing, industrial applications, dispensing units and with all general applications where an attachment may be required to accommodate connection with external hoses.

Main Features :-

Heavy design enables exceptional wear resistance superior to traditional bib cock, completely leak proof. **Body** : Forged Brass, **Ball** : Forged brass, machined to mirror smooth finish, hard chrome plated, **Seat** : Pure PTFE conical arc cut, **Stem Seals** : PTFE, **Handle** : Duraluminium alloy, BSP male threads with knurling, ***M.O.P.** : 20 bar, ***M.O.T.** : Fluids -10°C to +100°C, **Sizes** : 1/2", 3/4".

BRASS FEMALE Y-TYPE STRAINER



JSI-14

JSI-14 Brass Female Y-Type Strainer is manufactured in accordance with ISO 9001 & can be used for commercial plumbing where clean water filtered out of 80/100 Micron filter is required, is used before water meter - Dental chair and to separate dust particles out of water for industrial purpose.

M.O.P : 20 bar (300 psi), **M.O.T** : Fluids at -20°C to 150°C

Sizes: 1/2" to 2" BSP.

AIR VENT VALVE



JSI-15

JSI-15 Air Vent Valve is manufactured in accordance with ISO 9001 & can be used for domestic & commercial plumbing, industrial applications, heating, sanitary, pneumatic systems, water works, hot water services, condensate services etc. where air pocket formation causes problems.

Main features :-

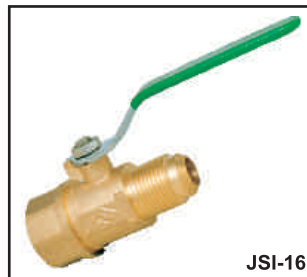
The Air Vent Valve allows the accumulated air in pipeline networks to breathe out of the systems thus removing air pockets and eventually eliminating related problems such as noise, erratic water supply etc.

Body : Brass, **Max. Inlet Pressure** : 10 Bar, **Min. Working Pressure** : 0.1 Bar, **M.O.T** : 115°C. **Size** : 1/2" to 1"

A.C. BALL VALVE SET



JSI-16



JSI-16

JSI-16 A.C. Ball Valve Set with strainer & without strainer are manufactured as per ISO 9001 & can be used in Industrial Air Conditioning.

Sizes : 3/4 x 5/8, 1" x 5/8".

PRESSURE REDUCING VALVE (S.S. PARTS)



JSI-17

JSI-17 Pressure Reducing Valve with SS Parts is suitable for controlling the outlet pressure of water in various applications such as before appliances, sanitary, domestic & Industrial plumbing requirements etc.

Main features :-

Metallic brass diaphragm system for better pressure control.

Max. Inlet : 15 Bars, **Outlet Range**: 0.5 - 6 Bars, Tested at 20 Bar.

Body : Forged brass, **Seal** : Stainless steel, "O" Ring : **NBR** **Ends** : Screwed BSP female ends. **Sizes** : 1/2" to 1".

**Do we need
to say more !!**

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