



# JAINSONS INDUSTRIES

## COMPANY PROFILE

- D.I. Threaded Fittings for firefighting (UL/FM)
- Brass valves (UL Listed)
- Malleable Iron Pipe Fittings (ISI Marked)
- Grooved Fittings (UL/FM)

Date..... /...../.....

Submitted to .....

.....

.....

.....

# INDEX

• INTRODUCTION	:	03
• MISSION	:	04
• VISION	:	04
• QUALITY/ SALES POLICY	:	04
• PRODUCTION EQUIPMENTS	:	06
• INFRASTRUCTURE	:	06
• PAST EXPERIENCE	:	07
• TURNOVER (LAST 4 YRS)	:	08
• FINANCIAL STATEMENTS	:	09-18
• PRODUCT CATALOGUES	:	19-61
• PROCESS FLOW/	:	62-66
QUALITY CONTROL		
• Organization Chart	:	63
• Process Flow Chart	:	64
• Qlty. Assurance / Inspection Plans	:	65-67
& Quality Control Equipment		
• CERTIFICATES & LICENCES	:	68
• ISO 9001:2008 Certificate	:	69
• ISI – License	:	70-71
• Registration Certificates		
a). CENTRAL SALES TAX (CST)	:	72
b). VALUE ADDED TAX (VAT)	:	73
c). NSIC	:	74-75
d). SSI	:	76-81
e). CENTRAL EXCISE	:	
f). EEPC	:	82
• CUSTOMER SATISFACTION REPORTS:		83-90
& VENDOR APPROVAL CERTIFICATES		
& INSPECTION REPORTS		
• MEMBERSHIP CERTIFICATES	:	91-92
• CONTACT DETAILS	:	93

## COMPANY DATA SHEET

<b>COMPANY NAME</b>	Jainsons Industries
<b>ADDRESS</b>	Basti Bawa Khel, Kapurthala Road
<b>CITY</b>	Jalandhar – 144 021
<b>STATE - COUNTRY</b>	Punjab – India
<b>TELEPHONE</b>	+91-181-2651431, 2651733, 5093433
<b>FAX</b>	+91-181-2650642
<b>EMAIL</b>	info@jainsonsindustries.com ; jsi@vsnl.com
<b>WEBSITE</b>	www.jainsonsindustries.com ; www.pipefittings.in
<b>CONTACT PERSON</b>	Mr. Rakesh Jain (Partner)
<b>TYPE OF BUSINESS</b>	Partnership Firm (Manufacturer, Importer, Exporter & Reseller)
<b>APPROVALS</b>	ISO 9001:2008, ISI / BIS
<b>MAIN PRODUCTS</b>	1). MCI Galvanized Pipe Fittings
	2). Forged Brass Valves & Cocks
	3). UL/FM Approved D.I. Threaded Pipe Fittings
	4). UL/FM Approved D.I. Grooved Pipe Fittings
	5). CPVC Pipes & Fittings as per ASTM-D-2846
<b>MEMBERSHIPS/ REGISTRATIONS</b>	S.S.I., N.S.I.C., Engineering Export Promotion Council, FSAI, FPAI etc..

## INTRODUCTION

We at **JAINSONS INDUSTRIES** are the leading manufacturer of **Malleable Cast Iron Galvanized Pipe Fittings** in India for **Water Supply, Fire Fighting & Natural Gas Distribution** for almost most three decades having more than 35 years of experience. We are ISO 9001:2008 approved Company (**approved by UL-MSS India**) producing Galvanized Malleable Cast Iron Fittings i.e. Elbow, Tee, Socket, Union, Hex Nipple, Plug, Caps, Cross, Reducer Elbow, Reducer Socket, Reducer Tee etc. available from size **½" to 6"** for **Water Supply, Pipe Joints in Sanitary** and for distribution of **Piped Natural Gas** in house holds. We have **certification of Bureau of Indian Standards (BIS / ISI)**.

We are also into marketing JSI brand Forged Brass Valves (**UL/FM Approved**), viz Ball Valves, Gate Valves, Gas Valves and Appliance Valves, Check Valves, A.C. Ball Valves etc. An Induction furnace has been installed which has not only assured best quality, but also has increased product range to **Ductile Iron pipe fittings, Ductile Iron Fittings, Ferro castings etc.**

**JSI** Brand is backed by years of experience, commitment and outcome of our consistent development efforts. **JSI** Brand Fittings are well worth their price and have been supplied to many **Government Departments (namely DGS&D, Bhilai Steel plant) and all Natural Gas Distribution companies in India (IGL, MGL, GGCL, GAIL India, Adani Energy Ltd. etc.)** in bulk quantities.

On account of **consistent quality standards**, **JSI Brand** enjoys great reputation in the international as well as domestic market.

**JSI Brand** has lived up to its reputation for excellence in quality control, variety and prompts delivery, which is known all over the world.

## OUR MISSION

We strive to be a Diamond in the field of Malleable Galvanized Pipe Fittings and Forged Brass Ball Valves for Natural Gas Distribution, Irrigation Systems and Water Supply.

Ours is a progressive, innovative & profitable organization in the field of Malleable Galvanized Pipe Fittings serving the needs of customers through high quality & cost effective products & services with concern for people & safety.

*The **main concerns** in achieving our mission are: -*

- **To our customers**, offer value for money by providing acme quality globally standardized products at reasonable prices.
- **To our employees**, we are committed to provide a dynamic developmental environment for achieving personal excellence, growth & thereby creating a highly motivated work force with a sense of belongingness to the organization.
- **To the society**, we are committed to being a responsible corporate citizen by following our obligations to the society at large & also by maintaining high level of safety measures in our products.

## OUR VISION

- To provide developmental environment to our employees to achieve personal excellence & growth.
- To provide our customers, high quality globally standardized products at reasonable prices.
- To contribute to the society, a healthy environment by being a responsible corporate citizen, with high level of safety standard and professional management.

## QUALITY POLICY

**Everyone at Jainsons Industries is committed to take the organization to never before heights in terms of business and self development by ensuring the best quality products at competitive price to the customer, first time and every time.**

**Our quality management system has been certified as per ISO 9001:2008 by UL-MSS INDIA.**

The high quality is achieved by strict quality control in every stage of the manufacturing process. Company has got in house facilities for chemical, tensile checking & physical testing of raw castings, annealed castings and galvanized castings. We have developed facilities for hydro testing and pneumatic testing too. Pipe fittings and valves for gas are subjected to a pneumatic test pressure of 10 Kg/cm<sup>2</sup> while fully immersed in water.

**Our company can produce Pipe Fittings as per Indian Standards (IS), British Standards (BS-143) and American Standards (ASME B16.3) as well as European Standard EN 10242.**

## SALES POLICY

Jainsons Industries knows that customer satisfaction is the first building block of long term business. Company's policy is to build a long-term relationship with its customers by delighting them with quality products and services at very reasonable rates. The company is trying its best to make the products easily available in the market.

## Moving to the Future...

***“PERFORMANCE WITH EXCELLENCE”***



Mr. Des Raj Jain, founder of Jainsons Industries in 1971 started production of Malleable Pipe Fittings with production of 0.15 MT daily with a small capital of Rs. 10000/- (US\$2000). As the time passed by, the owners with their intellectual skills and full devotion has taken the company to a recognizable standard. At present company is producing 10 MT of fittings daily and has plans to increase the production up to 14 MT daily within a year.

Since 1999, the company expanded its product range and started marketing of **JSI Brand Forged Brass Valves** namely Ball Valves, Gate Valves, Jolly Check Valves, A.C Ball Valves etc. Also during this period the company also started specializing itself in **Malleable Galvanized Iron fittings for Natural Gas**.

Today we are the pioneer company in this field and on the approved vendor list of all **Major Natural Gas distribution companies** like *Indraprastha Gas Ltd. (IGL)*, *Gujarat Gas Co. Ltd. (GGCL)*, *Mahanagar Gas Ltd. (MGL)*, and *Adani Gas Ltd.* and other reputed companies like Delhi Metro Rail Corp. – KSHI; Larsen & Toubro, Delhi; Voltas International, Mumbai; Bhilai Steel Plant, Bhilai; DGS&D.

Our local market share in Pipe fittings for Water Supply is about 2% only. But we have captured almost 80% of the total supply to Natural Gas Distribution companies and are looking for similar customers for expansion which very well boasts of our quality products.

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**.

**Our Black Ductile Iron fitting with UL/FM are with better quality & better prices as compared to forged fittings, these fittings have been recommended by many reputed consultants and are being used in following projects:**

#### **Airports**

- Indira Gandhi International Airport Project, Delhi (Cargo & Car Parking)
- Rajeev Gandhi International Airport, Hyderabad, A.P.
- Ranchi Airport, Jharkhand
- Raja Bhoj Airport, Bhopal

#### **Hotels**

- Sheraton Hotel, Chandigarh
- Pullman Airport Hotel, New Delhi
- Marriot Hotel, Chandigarh
- ITC's Today Hotel Project in Bengaluru & in New Delhi
- Seven Seas Hotel
- EROS Group's Five Star Hotels coming up in NCR Region
  - a). Holiday inn, b). Mayur Vihar
- Westin Hotel, Gurgaon etc
- JW Marriot, Aerocity, New Delhi
- Pride Hotel, Delhi

#### **Hospitals**

- Fortis Hospital, Gurgaon
- MAX Hospital, Shalimar Bagh, NEW Delhi

#### **Commercial / Residential**

- Godrej Properties, Noida
- Indian Express Towers, Mumbai
- Noida City Centre, Noida
- Wipro group, Gurgaon
- RBS -Royal Bank of Scotland,

#### **Industrial / Factory**

- Nokia India Pvt. Ltd., Sriperumpudur (Tamil Nadu)
- Caterpillar (I) Pvt. Limited, Chennai
- BMW India Pvt. Limited, Chennai
- Toshiba, Chennai
- Paras Pharma, Baddi, HP
- Pfizer Testing Lab, Delhi
- Jain Irrigation Systems Ltd., Jalgaon

#### **Power Plant**

- Corning Technologies, Pune
- Reliance Power Project, Samalkot
- KSK Power project, Champa Chhattisgarh
- Unosugen, Surat
- Larsen & Toubro, Jabalpur

#### **Contractors**

- Anush Finlease & Const. Pvt. Ltd., Delhi
- Alpha Pacific Engineers Pvt. Ltd., Gurgaon
- AMG Infrastructure Pvt.Ltd, Noida
- Ardelisys Technologies Pvt. Ltd., Chennai
- Blue Star Ltd., New Delhi
- D.S. Gupta Contractors Pvt. Ltd., New Delhi
- D.D.Pradhan & Co. (P) Ltd.
- ETA Engineering Pvt. Ltd.
- Electromech Fire Fighters Pvt. Ltd.
- Firepro Systems Pvt. Ltd., Bangalore
- Gautam Techno Sanitation Pvt. Ltd., Ghaziabad
- Metec Design & Construction Engineers (I) Pvt.Ltd.
- Oriental Fire & Safety Sytems

Gurgaon/ Chennai  
 ○ TRIL Info Park, Chennai  
 ○ India Bulls, Gurgaon  
 ○ Lotus Panache, Noida, by 3Cs  
 ○ Lotus Boulevard, Noida by 3Cs  
 ○ Star Court, Noida  
 ○ Jay Pee Green, Noida  
 ○ Jay Pee Arena, Noida  
 ○ M2K, Rohini  
 ○ Jay Pee Kosmos  
 ○ Gautam Budha Formula 1 Racing Circuit,  
 ○ Greater Noida  
 ○ HBN Suncity, Bathinda  
 ○ Logix Park, Noida  
 ○ Unitech Ltd., Delhi  
 ○ Cummins Technology

○ Procon Engineers and Services, Delhi  
 ○ Pacific Fire Controls  
 ○ PreFire Contracting Engineers Pvt. Ltd.  
 ○ R.J Projects & Pvt. Ltd., Noida  
 ○ Rajesh Industrial Projects Pvt. Ltd.  
 ○ Safeworld Systems Pvt Ltd.  
 ○ Samal Infra Projects Pvt. Ltd.  
 ○ Sterling & Wilson Ltd., Noida  
 ○ Sudhankaran Nair & Co. Pvt. Ltd., Kerala  
 ○ Sameer Builtaid Pvt. Ltd., Delhi  
 ○ Scenario India Ltd., New Delhi  
 ○ Solas Fire Safety Equip. Pvt. Ltd., Bangalore  
 ○ SSE & S Engineers Pvt. Ltd., Faridabad  
 ○ Tyco Fire & Security India Pvt. Ltd.  
 ○ Unitech Nohmi Fire Protection System Pvt. Ltd,  
 ○ Vijay fabricating Engineers

## INFRASTRUCTURE

### CAPACITY

The company has increased installed capacity to 2000 MT at present company is utilizing 60% of its capacity i.e. 1200 MT & reserves 40% of its unutilized capacity for exports. The company has wide range of products with size ½" to 6". The products are tested at hydraulic pressure of 300 lbs/inch<sup>2</sup> or 21 Kgs/cms<sup>2</sup> and at pneumatic pressure of 150 pounds/inch<sup>2</sup> or 10 Kgm/cm<sup>2</sup>. Cast Iron, Steel Scrap & High Grade Zinc are used for manufacturing of JSI products.

### FACILITIES (PREMISES)

Company's premises (Jainsons Industries & Jainsons Malleables) is about 7000 square meters which is owned and have about 5500 square meters covered area and approx. 1500 square meters of open area.

With 400 MT of annual output of Malleable Iron Pipe Fittings and a sufficient inventory of products are being stored in house we could cater to the urgent demand of buyers. Normally the supplies to domestic customers are made within 1-2 weeks and export orders are executed within 4-8 weeks. Invoicing and accounting system is fully computerized to provide efficient services to our clients.

## PRODUCTION EQUIPMENT

**The Company has installed the following machinery and equipment: -**

- Pattern / Mould Making Machine – HURCO CM20 VMC from USA
- Mould Making Line – High Pressure – Rhino Make
- One Induction Furnace 350 KW (Capacity of Melting 14 MT in 24 Hours)
- Three Shot Blasting Machines, complete with cleaning capacity 2 MT daily each
- Four Annealing Furnaces Oil Fired with 20 MT capacity per shift basis
- Six Grinding Attachment for Grinding @ 20 MT on per attach
- One Oil Fired Galvanizing Furnace with capacity 3 MT daily
- Nine Gear Machines 2" Threading capacity 200 Kg. each daily
- Five 2" Size Automatic Gear Machines Double type with capacity 250 Kg. each/daily
- Seven Drill Machines up to 2" capacity
- Eight Lathe Machines 4-12'
- Four Lathe Machines 6'
- Four Generator Sets 650 KVA, 125 KVA, 75 KVA & 32 KVA
- Twenty Pneumatic Test Benches for pneumatic for fittings & valves
- Two Powder coating machine having capacity of 10,000 pcs. per day

- One UTS Testing Machine
- One BHN / Hardness Testing Machine
- One Alignment Testing Machine

We are further in process of upgrading our machinery, with which, we hope to increase our machining capacity from current level to more than 3 times.

## PEOPLE

About 130 workers and 20 office staff are working towards a common goal to improve quality as per International Standards & for customer services & satisfaction. We always take care of on time delivery & quality workmanship to satisfy customer needs.

## EMPOWERMENT

The aim is to provide all of its employees with healthy, safe and friendly conditions for their overall development.

Engineers here are sufficiently empowered to take decision regarding quality standards to be maintained. The staff of Jainsons Industries is totally dedicated towards the company. Honesty, Integrity & Fairness form the cornerstone of relationship inside and outside the company. The staff is well educated & necessary training is provided to staff whenever it is found necessary to keep them up to desired standard.

The essential principle for JAINSONS INDUSTRIES is the welfare of staff. All staff is encouraged to play part in personal career development through progressive human resources and training programs. Strict disciplinary actions are taken against those responsible for breach of principles.

## PAST EXPERIENCE

Jainsons Industries is one of the pioneer manufacturers of malleable pipe fittings in India has more than 41 years of experience in manufacturing of M.I.G.I. pipe fittings. In 1999 company increased its products range by starting trading of forged brass valves for both water & gas supply. Now company has more than 13 years of experience in this field. It has increased its manufacturing products range from malleable to ductile iron pipe fittings & now it has more than 6 years of experience in these fittings. The company has been exporting the products, but now the volume has been enough and is about 30% of the total turnover of the group.

Further one of the owners himself is Mechanical Engineer and has an experience of almost 37 years in this field of manufacturing of Malleable Pipe Fittings and another is a Post Graduate has a keen skill of marketing, has experience of more than 32 years in marketing and also looks after the needs of development of the company whenever it is found necessary.

## PAST PERFORMANCE RECORD

### Major / Institutional Clients at Jainsons Industries

- Egypt Gas Company, Egypt
- Egyptian Town Gas, Egypt
- Delhi Metro Rail Project, New Delhi
- Jain Irrigation Systems Ltd., Jalgaon
- Bhilai Steel Plant, Bhilai
- Bokaro Steel Plant, Bokaro
- Hindustan Zinc Ltd (HZL)., Udaipur
- Kabra Extrusion Teknik Ltd., Daman
- Gas Authority of India Ltd. (GAIL), New Delhi.
- Gujarat Gas Ltd. Surat.

- k. Mahanagar Gas Ltd. (MGL), Mumbai.
- l. Indraprastha Gas Ltd. (IGL), New Delhi.
- m. Baroda Municipal Corporation (BMC), Vadodara.
- n. Adani Energy Ltd., Ahmedabad
- o. MECON Ltd. (Approved / Registered Vendor)
- p. Good Luck Steel Tubes Ltd., Ghaziabad
- q. Advance Ispat Ltd., New Delhi
- r. And many more.....

### TURNOVER FOR LAST FOUR YEARS

<b><u>Financial Year</u></b>	<b><u>(in Crores)</u></b>
2008-09	16.42
2009-10	20.22
2010-11	20.74
2011-12	25.00

If any other additional information is required, the same can be provided on specific request of the clients.

# FINANCIAL STATEMENTS



RAVI D. SHARMA & CO.  
CHARTERED ACCOUNTANTS

JAINSONS INDUSTRIES-JALANDHAR  
BALANCE SHEET AS ON 31ST MARCH, 2011

LIABILITIES		ASSETS	
I. PARTNER'S CAPITAL ACCOUNTS As per Schedule annexed		I. FIXED ASSETS (At Cost/WDV less Depr.) As per Schedule annexed	42342417.05
II. SECURED LOANS From HDEC Bank Ltd Secured against Plant & Machinery Secured against Cars Secured against Packing Credits Secured against Stocks	2133585.00 472139.88 15789673.23 1742216.39	II. CURRENT ASSETS, LOANS & ADVANCES a) Current Assets Closing stock (At cost as valued by the Partner's) Goods in Transit (-do) Packing & Other Material in Hand (-do) Sundry Debtors CASH AND BANK BALANCES Cash-in-hand With Bank in C/A's/FDRs Cheques in course of Collection Tickets in Hand	42760766.00 0.00 1509180.00 31306916.85 234431.55 784932.18 810469.00 545.00
III. UNSECURED LOANS Sundry Deposits		b) Advances recoverable in cash or in kind or for value to be received Advance tax Tax Deducted at source Security Deposits Pre-paid expenses Excise Duty Deposit (Under Appeal)	15936268.28 4000000.00 4205.97 670385.00 175686.00 9036.29
IV. CURRENT LIABILITIES Sundry Creditors Liability for cheques issued	2845277.01 329601.90	III. Due from Branch Office, Ahmedabad Less: Net Loss during the year	1548200.15 67985.56
			77407240.58
			97902822.12
			1480214.59
			115115761.46
			115115761.46
			15732724.75

ACCOUNTANT

Opposite All India Radio,  
Garha Road, Jalandhar  
Dated 29/03/2011

Auditor's Report  
As per our separate report of even date.  
For Ravi D. Sharma & Co.,  
Chartered Accountants



PARTNERS

By Jainsons Industries  
Seen & signed

Ashtorpe

**JAINSONS INDUSTRIES-JALANDHAR**  
**TRADING AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2011**

Dr.	Cr.	
To Opening Stock	27728678.00	By Sales
To Purchases during the year	28767208.70	By Stock transferred to Branch Office
Raw Material	129914002.56	By Closing Stock
Finished Goods		
To Wages	159661211.26	
To Coal & Fuel	2249756.30	
To Electricity Expenses	3889295.30	
To Manufacturing Expenses	1254510.00	
To Outside Processing Charges	5534175.66	
To Gross Profit c/d	9903812.00	
<b>TOTAL RS.</b>	<b>40953400.61</b>	<b>TOTAL RS.</b>
To Establishment	250194839.13	By Gross Profit b/d
Salaries		By Interest Received
Gratuity Paid	2185287.10	By Rent Received
Provident Fund	61200.00	By Difference in Forex
F.P.F.	79037.00	By Export Incentives
E.S.I.	146313.00	By Miscellaneous Income
Insurance Fund	78418.00	
Administrative Charges	9397.00	
Bonus	20854.00	
Earned Leave	384184.00	
Labour Welfare Fund	209096.00	
To Repair & Maintenance	1118.00	
Machinery	3174904.10	
Car	787951.35	
Scoter	363917.99	
Building	50896.00	
Others	47121.00	
To Charity & Donation	74634.15	
To Interest on Deposits		
To Bank Charges & Interest	1324520.49	
To Sales Promotion Expenses	5200.00	
To Free Samples (incl expenses thereon)	6854988.00	
To Liason Expenses	1077559.00	
To Postage, Telegram & Telephone	213549.00	
Postage/Counter etc	62686.47	
Telephone Expenses	627159.00	
To Rent, Rates & Taxes		
To Stationery & Printing	320898.34	
	435958.00	
	353747.55	
<b>C/O</b>	<b>14451069.95</b>	<b>41406570.07</b>



*Asst. Manager*  
*Chandigarh*



JAINSONS INDUSTRIES-JALANDHAR  
TRADING AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2011 (Contd.....)

B/F			
To Commission	14451069.95		41406570.07
To Packing Expenses	2652897.00		
To Forwarding Expenses	1360600.84		
To Advertisement & Publicity	1375737.70		
To Audit Fee	896683.37		
To Fee & Subscription	20000.00		
To Insurance Expenses	251852.00		
To Electricity Expenses	447695.00		
To Rebate & Discounts	60000.00		
To Travelling & Conveyance	828010.92		
To Laboratory Expenses	802454.39		
To Liquidated Damages	1035.00		
To Entertainment Expenses	50771.00		
To Custom Claims W/loff	8916.60		
To Legal Expenses	134870.93		
To ISO Expenses	15700.00		
To Staff Welfare	51500.00		
To Miscellaneous Expenses	60268.90		
To Festival Expenses	68068.24		
To Service Tax Paid	89145.00		
To Security Expenses	28736.00		
To Interest on Delayed Payments of TDS/TDS	41060.00		
To Interest on Delayed Payment of VAT/Sales-tax	2129.00		
To Sales Tax Paid	8070.00		
To Fines & Penalties	6724.84		
To Interest to Partners	32591.00		
To Net Loss from Branch Office	3746091.00		
To Depreciation W/loff	67985.56		
To Net Profit to Partner's Capital A/Cs	2241569.01		
Shri Des Raj Jain (5%)	580216.84		
Kimti Lal Jain HUF (13%)	1508563.79		
Ashok Jain HUF (52%)	6034255.15		
Rakesh Chander Jain HUF (30%)	3481301.04		
<b>TOTAL RS.</b>	<b>11604336.82</b>	<b>TOTAL RS.</b>	<b>41406570.07</b>

ACCOUNTANT

As per our certificate appended to the Balance Sheet  
For Ravi D. Sharma & Co.,  
Chartered Accountants

Opposite All India Radio,  
Garha Road, Jalandhar  
Dated 29th Dec, 2011

PARTNERS

For Jainsons Industries  
Deeksh Chaudhary  
Partner

Ashok Jain





JAINSONS INDUSTRIES-JALANDHAR

SCHEDULE OF PARTNERS' CAPITAL ACCOUNT ANNEXED TO AND FORMING PART OF THE BALANCE SHEET AS ON 31ST MARCH, 2011

PARTNERS	Balance as on 1st April, 2010	Additions/ Adjts. During the year	Interest on Capital	Share of Net Profit	TOTAL	Less: Drawings/ Adjts. During the year	Balance as on 31st March, 2011
Shri Des Raj Jain	3151770.98	974100.00	402990.00	580216.84	5109077.82	440180.94	4668896.88
Kirmiti Lal Jain HUF	7939665.01	0.00	900097.00	1508563.79	10348325.80	1124130.45	9224195.35
Ashok Jain HUF	14710711.75	1197012.00	1378232.00	6034255.15	23320210.90	8143514.78	15176696.12
Rakesh Chander Jain HUF	12978269.29	2851000.00	1064772.00	3481301.04	20375342.33	7102713.63	13272628.70
Total Rs.	38780417.03	5022112.00	3746091.00	11604336.82	44597189.45	16810539.80	42342417.05

PARTNERS

For Jainsons Industries  
*Chetan Chander*  
 Manager/Partner

For Ravi D. Sharma & Co.,  
 Chartered Accountants



Opposite All India Radio,  
 Garha Road, Jalandhar  
 Dated 29th Sep, 2011

*Ashok Jain*

JAINSONS INDUSTRIES-JALANDHAR  
SCHEDULE OF FIXED ASSETS ANNEXED TO AND FORMING PART OF THE BALANCE SHEET AS ON 31ST MARCH, 2011

No	Assets	Balance/WDV as on 1st April, 2010	Additions/Adjts upto 3rd Oct., 2010	Additions/Adjts after 3rd Oct., 2010	TOTAL	Less: Sales /Adjts. During the year	Less: TFRs/ Adjts. During the year	Less: Dep. w/o during the year	Additional Depreciation	Balance/WDV as on 31st March, 2011
1	Land	21840.00	0.00	0.00	21840.00	0.00	0.00	0.00	0.00	21840.00
2	Building	1848687.00	838309.55	785904.00	3472900.55	0.00	0.00	307995.55	0.00	3164905.00
3	Plant & Machinery	3140498.00	25920.05	12312.00	3178730.05	0.00	0.00	475886.05	6415.00	2696429.00
	Moulding Equipments	1165579.00	168989.80	169400.00	1503968.80	0.00	0.00	212890.80	50738.00	1240340.00
	Fax Machine	6412.00	0.00	0.00	6412.00	0.00	0.00	962.00	0.00	5450.00
	Air-Conditioner	38173.00	3500.00	0.00	41673.00	0.00	0.00	6251.00	0.00	35422.00
	Fans	43734.00	18723.00	0.00	62457.00	0.00	0.00	6246.00	0.00	56211.00
	Type-Writer	754.00	0.00	0.00	754.00	0.00	0.00	113.00	0.00	641.00
	Fire Extinguishers	7639.00	0.00	0.00	7639.00	0.00	0.00	1146.00	0.00	6493.00
	Scooters	69146.00	0.00	0.00	69146.00	0.00	0.00	10372.00	0.00	58774.00
	Cycles	6844.00	0.00	0.00	6844.00	0.00	0.00	1027.00	0.00	5817.00
	Telephone Sets/Exchange	19498.00	0.00	32166.91	51664.91	0.00	0.00	5337.91	0.00	46327.00
	Photocopier	104600.00	0.00	0.00	104600.00	0.00	0.00	15690.00	0.00	88910.00
	Insect Killer Machine	1166.00	0.00	0.00	1166.00	0.00	0.00	175.00	0.00	991.00
	Wheel Barrow	1193.00	0.00	0.00	1193.00	0.00	0.00	179.00	0.00	1014.00
	Calculator	561.00	585.45	0.00	1146.45	0.00	0.00	171.45	0.00	975.00
	Energy Saving Devices	37900.00	0.00	0.00	37900.00	0.00	0.00	30320.00	0.00	7580.00
	Electronic Timers	32541.00	0.00	4200.00	36741.00	0.00	0.00	5196.00	0.00	31545.00
	Gas Cylinders	3.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	1.00
	Weighing Machine	12723.00	0.00	0.00	12723.00	0.00	0.00	1908.00	0.00	10815.00
	Shot Blast Machine	46866.00	0.00	0.00	46866.00	0.00	0.00	7030.00	0.00	39836.00
	Generator	1679923.00	0.00	5100.00	1685023.00	425733.00	0.00	188511.00	0.00	1070779.00
	Paper Shredder	3346.00	0.00	0.00	3346.00	0.00	0.00	502.00	0.00	2844.00
4	Cars	4108359.00	0.00	0.00	4108359.00	173833.00	0.00	590179.00	0.00	3344347.00
5	Computer/Softwares	128082.00	21479.00	19740.00	169301.00	0.00	0.00	95659.00	0.00	73642.00
6	Furniture & Fixtures	197643.00	0.00	0.00	197643.00	0.00	0.00	19764.00	0.00	177879.00
7	Television Set	5500.00	0.00	0.00	5500.00	5500.00	0.00	0.00	0.00	0.00
8	Water Tank	7579.00	0.00	0.00	7579.00	0.00	0.00	1137.00	0.00	6442.00
9	Water Dispenser	3863.00	0.00	0.00	3863.00	0.00	0.00	579.00	0.00	3284.00
10	Heat Converter	2407.00	0.00	0.00	2407.00	0.00	0.00	361.00	0.00	2046.00
11	Inverter	46794.00	11800.00	0.00	58594.00	17600.00	0.00	6149.00	0.00	34845.00
12	Note Detector	1429.00	0.00	0.00	1429.00	0.00	0.00	214.00	0.00	1215.00
13	Pollution Control Devices	5350.00	0.00	0.00	5350.00	0.00	0.00	5350.00	0.00	0.00
14	Refrigerator	5419.00	0.00	0.00	5419.00	0.00	0.00	813.00	0.00	4606.00
	Totals c/f	12802051.00	1089306.85	10028822.91	14920180.76	622666.00	0.00	1998116.76	57153.00	12242245.00

Jainsons Industries Ltd.  
Jalandhar

A. S. Choudhary



JAINSONS INDUSTRIES-JALANDHAR  
SCHEDULE OF FIXED ASSETS ANNEXED TO AND FORMING PART OF THE BALANCE SHEET AS ON 31ST MARCH, 2011 (Contd.....)

Assets		Balance/WDV as on 1st April, 2010	Additions/Adjts upto 3rd Oct, 2010	Additions/Adjts after 3rd Oct, 2010	TOTAL	Less: Sales /Adjts. During the year	BALANCE	Less: TFRs/ Adjts. During the year	Less: Dep. w/o during the year	Additional Depreciation	Balance/WDV as on 31st March, 2011
Totals B/f		12802051.00	1089306.85	1028822.91	14920180.76	622666.00	14297514.76	0.00	1998116.76	57153.00	12242245.00
Hot Case	15%	1395.00	0.00	0.00	1395.00	0.00	1395.00	0.00	209.00	0.00	1186.00
Misc Tools	15%	6418.00	1554.00	4500.25	12472.25	0.00	12472.25	0.00	1533.25	0.00	10939.00
Vehicel	15%	275515.00	0.00	0.00	275515.00	0.00	275515.00	0.00	41327.00	0.00	234188.00
Electrical Fittings	10%	19936.00	3850.00	51907.00	75693.00	0.00	75693.00	0.00	4974.00	0.00	70719.00
Pest Repellant Machine	0%	2055.00	0.00	0.00	2055.00	2055.00	0.00	0.00	0.00	0.00	0.00
Close Circuit Camera	15%	0.00	30455.00	9908.00	40363.00	0.00	40363.00	0.00	5311.00	0.00	35052.00
Storage Rack	10%	0.00	14179.00	364546.00	378725.00	0.00	378725.00	0.00	19645.00	0.00	359080.00
Beverage Machine	15%	0.00	0.00	2300.00	2300.00	0.00	2300.00	0.00	173.00	0.00	2127.00
CNC Milling Machine	15%	0.00	0.00	2670874.75	2670874.75	427000.00	2243874.75	0.00	0.00	0.00	2243874.75
Sand Mixer	15%	0.00	0.00	646441.00	646441.00	0.00	646441.00	0.00	48483.00	64644.00	533314.00
Total Rs.		13107370.00	1139344.85	4779299.91	19026014.76	1051721.00	17974293.76	0.00	2119772.01	121797.00	15732724.75

- 5 1. No Depreciation has been provided on CNC Milling Machine as the same has not been used for the purposes of business during the year.  
2. Sales/Adjustments of Rs 427000/-in CNC Milling Machine is on account of Subsidy from SIDBY  
3. Depreciation on Assets used for less than 180-days has been provided at half the prescribed rates.

ACCOUNTANT

For Ravi D Sharma & Co.,  
Chartered Accountants



(Prop)  
[FRN:008066N]

Opposite All India Radio,  
Garha Road, Jalandhar  
Dated 27th Sep, 2011

*Handwritten signature*

Manager/Partner

PARTNERS

For Jainsons Industries  
*Handwritten signature*

# JAINSONS INDUSTRIES

KAPURTHALA ROAD, BASTI BAWA KHEL, JALANDHAR, JALANDHAR  
Provisional Balance Sheet as on 31 March 2012

Liabilities		Amount	Assets		Amount
<b>I. PARTNERS CAPITAL A/C</b> As Per Schedule 'B'		4,75,71,874.14	<b>I. FIXED ASSETS</b> As Per Schedule 'A'		1,89,07,733.00
<b>II. SECURED LOANS</b> Secured Loans as Per List		2,39,69,946.08	<b>II. CURRENT ASSETS</b> Closing Stock (At Cost or Market Value whichever is less - as valued & certified by Partner)	6,30,94,810.00	
<b>III. UNSECURED LOANS</b> As Per List		6,91,16,685.60	S. Debtors as Per List	5,40,93,869.18	
<b>IV. CURRENT LIABILITIES</b> S. Creditors as Per List	59,85,887.95		<b>Cash &amp; Bank Balances</b>		
<b>Other Liabilities</b>			Cash	2,72,488.80	
Amount Against 'c' Forms	13,168.50		Canara Bank Occ A/c. Ga-68	1,308.87	
Baba Balak Nath Ji	264.25		HDFC Bank Ltd Cid 341232 0000446	8,571.54	
Baba Parma Ji	240.25		Punjab National Bank 0235002101688087	16,42,868.43	
C.S.T. 2%	1,63,447.00		Reliance Liquid Fund	1,00,000.00	
C.S.T. 4.4 %	63,750.00		Security With Canara Bank	11,000.00	20,36,237.64
C.S.T. 5.5 %	11,698.00				
Cheques Issued But Not Cleared	3,82,914.76				
Electricity & Power Payable	80,950.00				
Expenses Payable	5,37,982.00				
Sales Tax Refundable to Customers	9,123.00				
Security With Samden Enterprises	25,000.00				
Surcharge on VAT Sale	1,482.00				
T.D.S. Payable A/c	9,66,596.00				
VAT Sale 4%	5,654.00				
VAT Sale 5%	9,160.00				
		82,57,317.71			
<b>Totals</b>		14,89,15,823.53	<b>Totals</b>		14,89,15,823.53

# JAINSONS INDUSTRIES

KAPURTHALA ROAD, BASTI BAWA KHEL, JALANDHAR, JALANDHAR

## Manufacturing & Trading A/c and Profit & Loss A/c for the Year ending 31 March 2012

Particulars	Amount	Particulars	Amount
O. Stock In Trade	4,27,60,766.00	Sales	25,24,74,171.00
Coal & Fuel A/c	4,14,600.00	Less : Sale Retd.*****	11,49,971.17
Coal & Fuel A/c -interstate	8,84,578.33	Less : Sale Returned	11,05,061.00
Coal & Fuel VAT 5%	19,01,147.97	Closing Stock	25,02,19,138.83
Consumable Stores	15,63,413.59		6,30,94,810.00
Consumable Stores (VAT 12.50%)	1,62,329.29		
Consumable Stores (VAT 4%)	1,79,134.79		
Consumable Stores (VAT 5%)	23,36,753.77		
Consumable Stores -import	1,31,801.23		
Consumable Stores-interstate	40,91,448.55		
Diesel A/c	2,82,792.00		
Dyeing & Polishing A/c (VAT 5%)	8,425.00		
Electricity & Power	9,90,800.00		
Job Works Exp.	1,23,721.00		
Job Works Exp. (VAT 4%)	99,72,300.00		
Raw Material ( VAT 5%)	71,39,814.40		
Raw Material (VAT 4%)	2,48,61,350.72		
Raw Material - Import	5,55,066.73		
Raw Material A/c	7,165.00		
Ready Goods - Import	4,11,17,524.77		
Ready Goods -interstate	61,37,021.85		
Ready Goods A/c	1,11,49,077.84		
Ready Goods A/c (VAT 4%)	1,57,29,257.76		
Ready Goods A/c (VAT 5%)	24,05,444.50		
Ready Goods Import (2) Frt.Etc	40,08,662.00		
Ready Goods-import (2)	7,98,04,048.81		
Sundry Mfgs A/c	9,055.00		
Sundry Mfgs. (VAT 5%)	3,32,009.61		
Wages A/c	24,91,770.90		
	21,87,90,515.41		
Less : Purchase Returned	24,624.37		
Gross Profit	21,87,65,891.04		
	5,17,87,291.79		
<b>Totals</b>	<b>31,33,13,948.83</b>	<b>Totals</b>	<b>31,33,13,948.83</b>
Additional Duty Un Claimed	5,54,013.33	Gross Profit	5,17,87,291.79
Administration Charges	20,770.00	Difference In Forex	2,47,992.46
Advertisement A/c	8,43,137.09	Export Incentive A/c	8,485.00
Agents Commission A/c	27,76,024.00	Interest Received	30,512.93
Audit Fees	20,000.00	Labour Welfare Fund	928.00
Bad Debts	50,146.18	Miscellaneous Income	1,045.00
Bank Commission	1,60,128.70		
Bank Guarantee Charges	67,017.09		
Bank Interest & Charges A/c	14,76,986.32		
Building Maintenance	2,47,867.40		
Business Development Exp.	2,22,395.00		
C.S.T. on Goods Retd.	2,732.65		
Car Expenses	5,41,341.35		
Consultation Expenses.	11,030.00		
Damages	19,500.00		
Donation A/c	21,500.00		
E.S.I.	79,894.00		
Electrical Repair	89,901.25		
Electricity Expenses	60,000.00		
Entertainment Exp.	34,316.95		
Exhibition Expenses	2,19,712.77		
Expenses on Iso	66,500.00		
Family Pension	1,49,807.00		
Fees & Subscription A/c	2,32,997.83		
Festival Exp.	70,729.00		
Fine & Penalties	1,000.00		
First Aid Exp.	1,860.00		
Forwarding Expenses	18,31,323.08		
General Repair & Maint (Other)	48,620.06		
	<b>99,21,251.05</b>		<b>52076255.18</b>

# JAINSONS INDUSTRIES

KAPURTHALA ROAD, BASTI BAWA KHEL, JALANDHAR, JALANDHAR

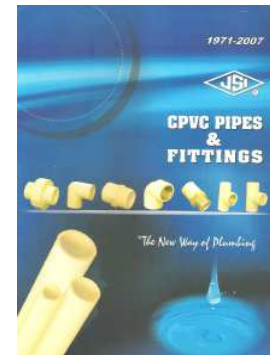
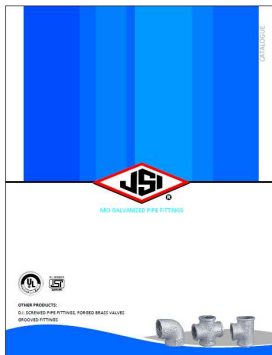
## Manufacturing & Trading A/c and Profit & Loss A/c for the Year ending 31 March 2012

Particulars	Amount	Particulars	Amount
	99,21,251.05		52076255.18
Goods Retd. Back Expenses	28,788.00		
Gratuity	15,750.00		
Insurance A/c	5,03,564.00		
Insurance Fund A/c	9,357.00		
Interest to Capital	36,27,503.00		
Interest to Depositors	91,20,853.00		
Leave With Wages A/c.	2,08,632.00		
Legal Expenses	24,400.00		
Liaison Expenses	5,23,075.50		
Liquidity Damages	1,12,602.00		
Machinery Repair	1,43,640.92		
Machinery Repair (VAT 12.50%)	63,588.72		
Machinery Repair (VAT 4%)	15,085.00		
Machinery Repair (VAT 5%)	1,08,974.46		
Machinery Repair-interstat	5,888.00		
Miscellaneous Expenses	2,33,003.97		
Motor Cycle Exp.	8,860.00		
Moulding / Furnace Repair	2,440.00		
Moulding/furnace Repair (VAT 4%)	1,950.20		
Moulding/furnace Repair (VAT 5%)	2,77,386.35		
Packing	1,00,342.00		
Packing (VAT 5%)	15,86,632.03		
Postage,Telegrmme & Phone Exp.	2,23,316.32		
Printing & Stationary	4,42,220.00		
Product Development Exp.	3,400.00		
Provident Fund	50,110.00		
Rebate & Discount	4,58,350.13		
Rent, Rates & Taxes	4,35,858.00		
Salary A/c	30,28,672.65		
Sales Promotion A/c	67,356.00		
Sales Tax Assessed / Paid	21,964.00		
Sample (Free)	9,706.95		
Scooter Expenses.	43,560.65		
Security Expenses	16,941.00		
Service Tax Paid	23,465.95		
Staff Welfare	26,663.50		
Telephone Expenses A/c	1,48,661.29		
Travelling & Conveyance	5,93,061.07		
Water Supply & Sewer	6,400.00		
Workers Welfare	38,838.00		
* Provision for Depreciation *	27,43,460.50		
<b>Net Profit Trfd. to :</b>			
Ashok Jain (Huf) Partner	88,66,354.62		
Des Raj Jain (Ind) Partner	8,52,534.10		
Kimti Lal Jain (Huf) Partner	22,16,588.66		
Rakesh Chander Jain (Huf) Partner	51,15,204.59	1,70,50,681.97	
<b>Totals</b>	<b>5,20,76,255.18</b>	<b>Totals</b>	<b>5,20,76,255.18</b>

# PRODUCT CATALOGUES

## For

- Galv. Iron Malleable Pipe Fittings
- Forged Brass Valves
- Ductile Iron Threaded Pipe Fittings
- Ductile Iron Grooved Pipe Fittings
- CPVC Pipes & Fittings





MCI GALVANIZED PIPE FITTINGS



**OTHER PRODUCTS:**

D.I. SCREWED PIPE FITTINGS, FORGED BRASS VALVES  
GROOVED FITTINGS





# Our Certifications:



ISO-9001 by UL-MSS



Vendor Registration with SAIL



Approval Certificate from CIDCO



BIS/ISI Licence



Registration Certificate with DGS&D



Registration Certificate with NSIC



Trustseal – Indiamart



Fire & Security Association of India (Membership Certificate)



Fire Protection Association of India (Membership Certificate)



Alibaba.com Gold Supplier



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

APPROVED LISTED

## About Us

The darkness inside the pipes keep smiling with the glow of the complete range of Galvanized Malleable Iron Pipe Fittings manufactured at Jainsons Industries. These smiles began 40 years ago when Jainsons Industries beloved founder Sh. Des Raj Jain started this journey of spreading glow by manufacturing Malleable Iron Pipe Fittings. Since then this beautiful unparalleled and unbreakable relationship between our Pipe Fittings and the Pipelines pressed into service for various reasons across the world, has been only flourishing from pipe to pipe & strength to strength.

Today we are leading Manufacturer & Supplier of G.I. / D.I. Pipe Fittings & Brass Valves for Water Supply, Plumbing, Fire Fighting & Natural Gas Distribution for last many years.

We have maintained a high standard of reputation for the Quality, Variety & Service that we offer to our esteemed clientele around the globe. Strict Quality Control at each stage of the manufacturing process ensures the higher quality of our Pipe Fittings. As for variety, we manufacture from ½" to 6", Plain & Banded, both in Hot Dipped Galvanized and Black Finish. Each fitting supplied by Jainsons Industries withstand the most rigid tests like Compression Test, Tensile Test & Pressure Test etc.. We have a well equipped in house laboratory to perform these tests.

The high standard of quality, variety & service reflects the decades of our experience & efforts that we have put in our consistent R & D to develop world class Malleable Iron Pipe Fittings. Value of money is what each our Pipe Fittings exemplify. A number of Government of India owned organizations & various companies in Piped Gas Distribution Business consume a large chunk of our supplied products in India & Abroad. We have more than 50% share in Indian Market for Natural Gas fittings & Brass Ball valves suitable for Natural Gas Distribution.

Under the dynamic leadership of Mr. Ashok Jain (B.Mech-1974) & Mr. Rakesh Jain (MA-English), we are an ISO 9001:2008 certified company and have expanded our product range to Malleable Iron Pipe Fittings, Steel Nipples, Ductile Iron Fire Fighting Fittings, Ductile Iron Grooved Fittings, Brass Nipples, Bronze Fittings, Forged Brass Valves & more with group turnover of about USD 6 millions.

Customers focus is in our roots & customer DELIGHT is our motto.

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

We would like to register our following products with your esteemed Company.

1. D.I. Fittings for fire fighting – UL/FM approved for Sprinkler system for Fire Fighting
2. Brass Valves – UL Listed, UL/FM approved for Fire Fighting & Plumbing System
3. Malleable Iron Pipe Fittings (ISI Marked) for Plumbing System
4. UL/FM Approved Ductile Iron Grooved Fittings

We have already shipped 50 FCL of Malleable Fittings in last 1 year to countries like Egypt, Dubai Turkey etc. & we can supply malleable fittings as per European Standard EN10242, as per BS143/1256 as well as per American Standard.



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

APPROVED LISTED

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.
- Indraprastha Gas Ltd., New Delhi
- Haryana City Gas, Gurgaon
- Siti Energy Limited, U.P.
- Adani Gas Ltd., Ahmedabad
- Larsen & Toubro Ltd. (Engineering, Construction & Contracts Division), New Delhi.
- Kumagai Skanska HCC Itochu (KSHI) Group (Joint Venture)
- Schwing Setter India Pvt. Ltd., Sriperunpudur (Tamilnadu)
- Central U.P. Gas Limited, Kanpur
- Mahanagar Gas Ltd., Mumbai.
- Maharashtra Natural Gas Limited, Pune
- Vadodara Municipal Corporation, Vadodara.
- Bhagyanagar Gas Limited, Hyderabad
- Gas Authority of India Ltd, Delhi.

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 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 for your current & upcoming Projects. Therefore we request you to consider us as your regular vendor. In case you have any query, please feel free to contact us or visit our website [www.jainsonsindustries.com](http://www.jainsonsindustries.com).

#### MEMBER OF

1. Engineering Export Promotion Council (EEPC), New Delhi.
2. Bureau of Indian Standards (BIS/ISI), New Delhi.
3. National Small Industrial Corporation (NSIC), New Delhi.
4. Indian Plumbing Association (IPA), New Delhi.
5. FSAI:- Fire and Security Association of India.
6. FPAI:- Fire Protection Association of India





• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS

FM

UL

GROOVED FITTINGS

APPROVED

LISTED

## TECHNICAL INFORMATION

### MATERIAL

JSI Brand pipe fittings are made of black heart malleable cast iron as per IS:14329. JSI Pipe Fittings are also available in SG Iron (Ductile) as per IS-1865 GR SG 370/17.

### THREAD

JSI Brand class 150 plain pipe fittings :

IS 554, BS 21 and BSPT, ISO 7 & NPT as per ANSI B1.20.1-1983

Banded JSI pipe fittings available in BSPT, ISO 7 & NPT Thread.

### FINISH

Hot dip galvanized as per IS 4759.

### PRESSURE - TEMPERATURE RATINGS

Pressure - temperature rating are shown in the following tables.

STANDARD CLASS 150, FITTINGS AND UNIONS

FLUIDS	TEMPERATURE	MAXIMUM WORKING PRESSURE
Water, Non Shock Pressure	250°F/120°C	300psi/21kg/cm <sup>2</sup>
Stream, Air, Gas, Oil and Water	400/200	200/14
Stream, Air, Gas and Oil	570/300	150/10.5



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

## STANDARD PACKING

### NUMBER OF PIECES PER BAG

S.No.	ITEMS	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
1.	ELBOWS	500	400	250	150	100	70	40	30	18
2.	TEES	400	250	170	100	70	40	25	20	10
3.	UNIONS	300	200	160	100	80	50	30	25	14
4.	SOCKETS	600	500	350	220	180	100	70	40	25
5.	PLUGS	1000	1000	800	500	300	150	110	70	40
6.	HEX NIPPLES	600	500	300	200	175	100	70	40	20
7.	CROSSES	300	225	140	70	50	45	45	45	45
8.	THREE WAY ELBOWS	400	300	200	100	70	45	45	45	45
9.	FOUR WAY TEES	300	200	110	70	50	45	45	45	45
10.	G.I. BENDS	300	200	150	65	50	30	20	10	6

## WALL THICKNESS & TOLERANCES

SIZE DESIGNATION	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"
Thickness in mm	2.5	3.0	3.0	3.5	3.5	4.0	4.5	5.0	6.0	6.5	7.5
Tolerances in mm	-0.5	-0.7	-0.7	-0.7	-0.7	-0.7	-1.0	-1.0	-1.0	-1.0	-1.0

## GAS SOUNDNESS

Banded Pipe Fittings for gas are made in BSPT or NPT thread & are individually tested fully immersed in water at a Pneumatic Pressure of 10.5Kg./CM<sup>2</sup>/150 PSI.

## HYDROTESTING

Plain Pipe Fittings for water are hydrotested at 21 Kg/cm<sup>2</sup> as per sampling plan for a particular batch of fittings.



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

APPROVED

LISTED

## MALLEABLE IRON PIPE FITTINGS



S.No.	FIG. No.	ITEM	SIZE
1.	1090	Elbows, plain, equal (L)	1/2" upto 6"
2.	90	Elbows, banded, equal (BL)	1/2" upto 6"
3.	1090R	Elbows reducing (Plain)	1/2" upto 4"
4.	92	Street Elbows, banded, equal (SL) M & F	1/2" upto 2"
5.	1221	Side Outlet Elbows, plain (SOL)	1/2" upto 4"
6.	1130	Tees, plain, equal (T)	1/2" upto 6"
7.	130	Tees, banded, equal (BT)	1/2" upto 6"
8.	1130R	Tees Reducing, plain, (BRT)	3/4" x 1/2" upto 6"x4"
9.	1223	Side Outlet Tees, plain (SOT)	1/2" upto 2"
10.	180	Crosses, equal (BCr)	1/2" upto 6"
11.	301	Caps, banded (BCa)	1/2" upto 4"
12.	1220	Sockets (Coupling), plain, with ribs (S)	1/2" upto 6"
13.	220	Sockets (Coupling), banded with ribs (BS)	1/2" upto 6"
14.	240	Reducing Sockets, banded with ribs (BRS)	3/4" x 1/2" upto 6"x4"
15.	1240	Reducing Sockets, plain, with ribs (RS)	3/4" x 1/2" upto 6"x4"
16.	241	Hexagon Bushes or Bushings (Bu)	3/4" x 1/2" upto 4"x3"
17.	291	Plugs (P)	1/2" upto 6"
18.	330	Unions, standard, flat seat with gasket (U)	1/2" upto 6"
19.	280	Hexagonal Nipples (HxNi)	1/2" upto 6"
20.	1	Bends, M. & F. banded, 90° (BMBe) Short	1/2" upto 4"
21.	321	Floor Flanges (FF) Drilled	1/2" upto 6"
22.	97	Union Elbows, Gasket type, Flat seat, Male and Female, without gasket (MULG)	1/2" upto 1 1/4"
23.	310	Backnuts or Locknuts (LN)	1/2" upto 4"



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

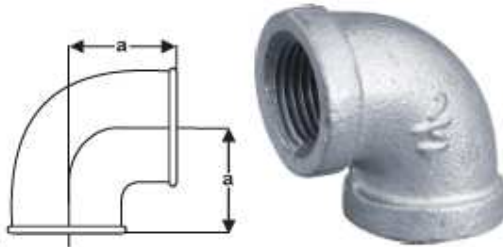
APPROVED LISTED

## ELBOW BANDED EQUAL (BL)

90

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



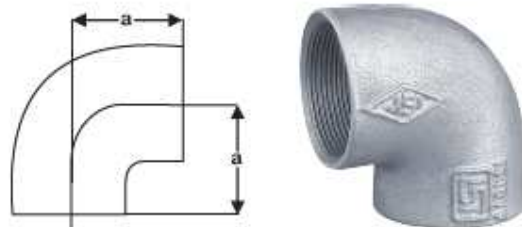
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00	115.00	131.00				

## ELBOW EQUAL (HBL)

1090

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00	115.00	131.00				





• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

APPROVED

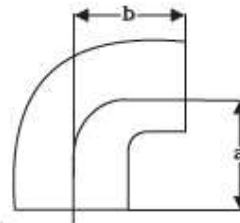
LISTED

## ELBOW REDUCING (HBRL)

1090R

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	3/4x1/2"	1x1/2"	1x3/4"	1 1/4x1/2"	1 1/4x3/4"	1 1/2x1"	1 1/2x1/2"	1 1/2x3/4"	1 3/4x1"	1 3/4x1 1/4"	2x1/2"	2x3/4"	2x1"	2x1 1/4"
A	30.00	32.00	35.00	34.00	36.00	40.00	36.00	39.00	42.00	46.00	38.00	41.00	44.00	48.00
B	31.00	34.00	36.00	39.00	41.00	42.00	42.00	44.00	46.00	48.00	48.00	50.00	51.00	53.00

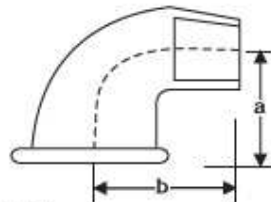
SIZE	2x1 1/4"	2 1/4x1/2"	2 1/4x3/4"	2 1/4x1"	2 1/4x1 1/4"	2 1/2x1 1/4"	2 1/2x2"	3x2"	3x2 1/4"	4x2"	4x3"			
A	52.00	41.00	44.00	47.00	52.00	55.00	61.00	64.00	72.00	70.00	84.00			
B	55.00	57.00	59.00	60.00	62.00	63.00	66.00	73.00	76.00	86.00	92.00			

## ELBOW MALE FEMALE

92

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"							
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00							
B	37.00	43.00	52.00	60.00	65.00	74.00	88.00	98.00	118.00							





• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



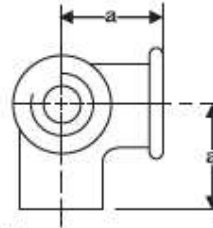
GROOVED FITTINGS

## SIDE OUTLET ELBOW

1221

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



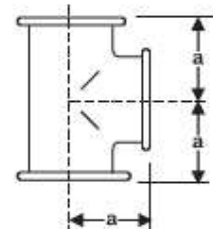
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"									
A	28.00	33.00	38.00	45.00	50.00	58.00									

## TEE BANDED EQUAL (BT)

130

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00	115.00	131.00				



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



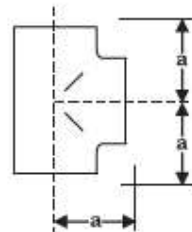
GROOVED FITTINGS

## TEE EQUAL (HBT)

1130

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



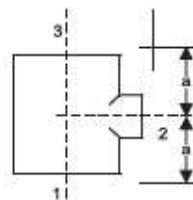
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00	115.00	131.00				

## TEE REDUCING (HBRT)

1130R

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	3/4x1/2"	1x1/2"	1x3/4"	1 1/4x1/2"	1 1/4x3/4"	1 1/2x1"	1 1/2x1/2"	1 1/2x3/4"	1 1/2x1"	1 1/2x1 1/4"	2x1/2"	2x3/4"	2x1"	2x1 1/4"
A	30.00	32.00	35.00	34.00	36.00	40.00	36.00	39.00	42.00	46.00	38.00	41.00	44.00	48.00
B	31.00	34.00	36.00	39.00	41.00	42.00	42.00	44.00	46.00	48.00	48.00	50.00	51.00	53.00

SIZE	2x1 1/4"	2 1/2x1 1/2"	2 1/2x3/4"	2 1/2x1"	2 1/2x1 1/4"	2 1/2x1 1/2"	2 1/2x2"	3x2"	3x2 1/4"	4x2"	4x3"			
A	52.00	41.00	44.00	47.00	52.00	55.00	61.00	64.00	72.00	70.00	84.00			
B	55.00	57.00	59.00	60.00	62.00	63.00	66.00	73.00	76.00	86.00	92.00			



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



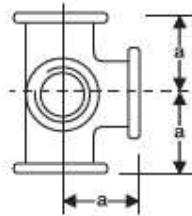
GROOVED FITTINGS

## SIDE OUTLET TEE (FOUR WAY)

1223

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



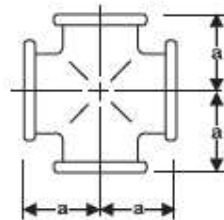
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"								
A	28.00	33.00	38.00	45.00	50.00	58.00								

## CROSS

180

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	28.00	33.00	38.00	45.00	50.00	58.00	69.00	78.00	96.00	115.00	131.00				



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



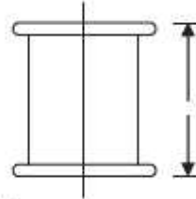
GROOVED FITTINGS

## COUPLINGS (HBS)

220

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



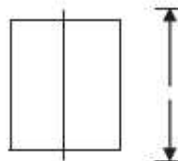
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	36.00	39.00	45.00	50.00	55.00	65.00	71.00	78.00	94.00	109.00	120.00				

## SOCKET COUPLINGS PLAIN (S)

1220

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	36.00	39.00	45.00	50.00	55.00	65.00	71.00	78.00	94.00	109.00	120.00				



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



GROOVED FITTINGS

APPROVED

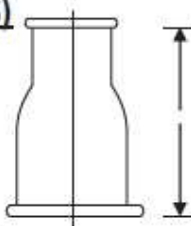
LISTED

## REDUCING SOCKET BANDED (BRS)

240

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	3/4x1/2"	1x1/2"	1x3/4"	1 1/4x1/2"	1 1/4x3/4"	1 1/2x1"	1 1/2x1/2"	1 1/2x3/4"	1 1/2x1"	1 1/2x1 1/4"	2x1/2"	2x3/4"	2x1"	2x1 1/4"
A	39.00	45.00	45.00	50.00	50.00	50.00	55.00	55.00	55.00	55.00	65.00	65.00	65.00	65.00

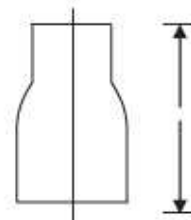
SIZE	2x1 1/4"	2 1/2x1/2"	2 1/2x3/4"	2 1/2x1"	2 1/2x1 1/4"	2 1/2x1 1/2"	2 1/2x2"	3x1 1/2"	3x2"	3x2 1/2"	4x2"	4x2 1/2"	4x3"	
A	65.00	71.00	71.00	74.00	74.00	74.00	74.00	80.00	80.00	80.00	94.00	94.00	94.00	

## COUPLINGS REDUCING (HBRS)

1240

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	3/4x1/2"	1x1/2"	1x3/4"	1 1/4x1/2"	1 1/4x3/4"	1 1/2x1"	1 1/2x1/2"	1 1/2x3/4"	1 1/2x1"	1 1/2x1 1/4"	2x1/2"	2x3/4"	2x1"	2x1 1/4"
A	39.00	45.00	45.00	50.00	50.00	50.00	55.00	55.00	55.00	55.00	65.00	65.00	65.00	65.00

SIZE	2x1 1/4"	2 1/2x1/2"	2 1/2x3/4"	2 1/2x1"	2 1/2x1 1/4"	2 1/2x1 1/2"	2 1/2x2"	3x1 1/2"	3x2"	3x2 1/2"	4x2"	4x2 1/2"	4x3"	
A	65.00	71.00	71.00	74.00	74.00	74.00	74.00	80.00	80.00	80.00	94.00	94.00	94.00	





• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



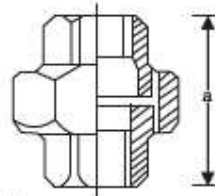
GROOVED FITTINGS

## UNION FLAT SEAT

330

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



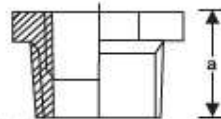
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
A	48.00	52.00	58.00	65.00	70.00	78.00	85.00	95.00	110.00	135.00	150.00				

## BUSHINGS (HBU)

241

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	3/4x1/2"	1x1/2"	1x3/4"	1 1/4x3/4"	1 1/4x1"	1 1/4x1 1/4"	2x1"	2x1 1/4"	2 1/2x3/4"	2 1/2x1"	2 1/2x1 1/4"	2 1/2x1 1/2"	2 1/2x2"	3x1 1/4"
A	26.00	29.00	29.00	31.00	31.00	31.00	35.00	35.00	40.00	40.00	40.00	40.00	40.00	44.00
SIZE	4x3/4"	4x1"	4x1 1/4"	4x2"	4x3"									
A	51.00	51.00	51.00	51.00	51.00									



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS



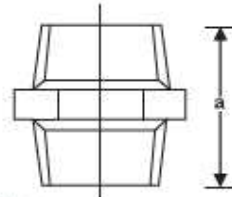
GROOVED FITTINGS

## HEX NIPPLE

280

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



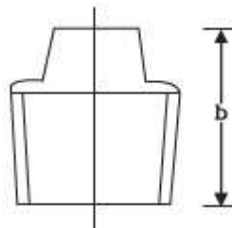
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"						
A	44.00	47.00	53.00	57.00	59.00	68.00	75.00	83.00	95.00						

## PLAIN PLUG

291

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"						
B	18.00	20.00	23.00	29.00	30.00	36.00	39.00	44.00	58.00						



• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS

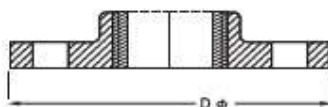


GROOVED FITTINGS

## FLOOR FLANGE (FF)

321

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength



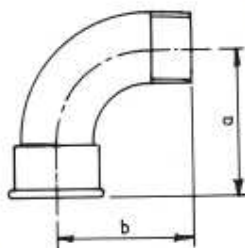
Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution

SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"				
D	80.00	90.00	100.00	120.00	130.00	140.00	160.00	180.00	210.00	240.00	265.00				

## BEND BANDED 90° (BMBE)

1

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength



Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution

SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"						
A	45.00	50.00	63.00	76.00	85.00	102.00	—	—	—						





• MCI GALVANIZED PIPE FITTINGS, FORGED BRASS VALVES

• D.I. PIPE FITTINGS

FM

UL

GROOVED FITTINGS

APPROVED

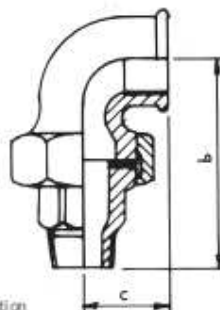
LISTED

## UNION ELBOW, GASKET TYPE

97

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



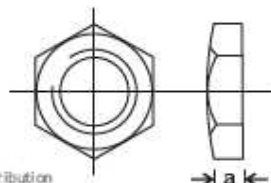
SIZE	1/2"	3/4"	1"	1 1/4"													
B	76.00	82.00	94.00	107.00													
C	28.00	33.00	38.00	45.00													

## BACKNUT (CHECK NUT)

310

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



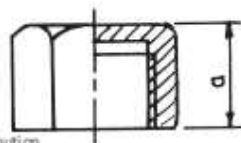
SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"									
A	8.00	9.00	10.00	11.00	12.00	13.00	16.00	19.00									

## CAPS (HBCA)

301

Available in BSP / BSPT & NPT Threads  
Leakage, Corrosion and rust resistant  
Ideal option for high pressure applications  
High durability & Superior finish  
High tensile strength

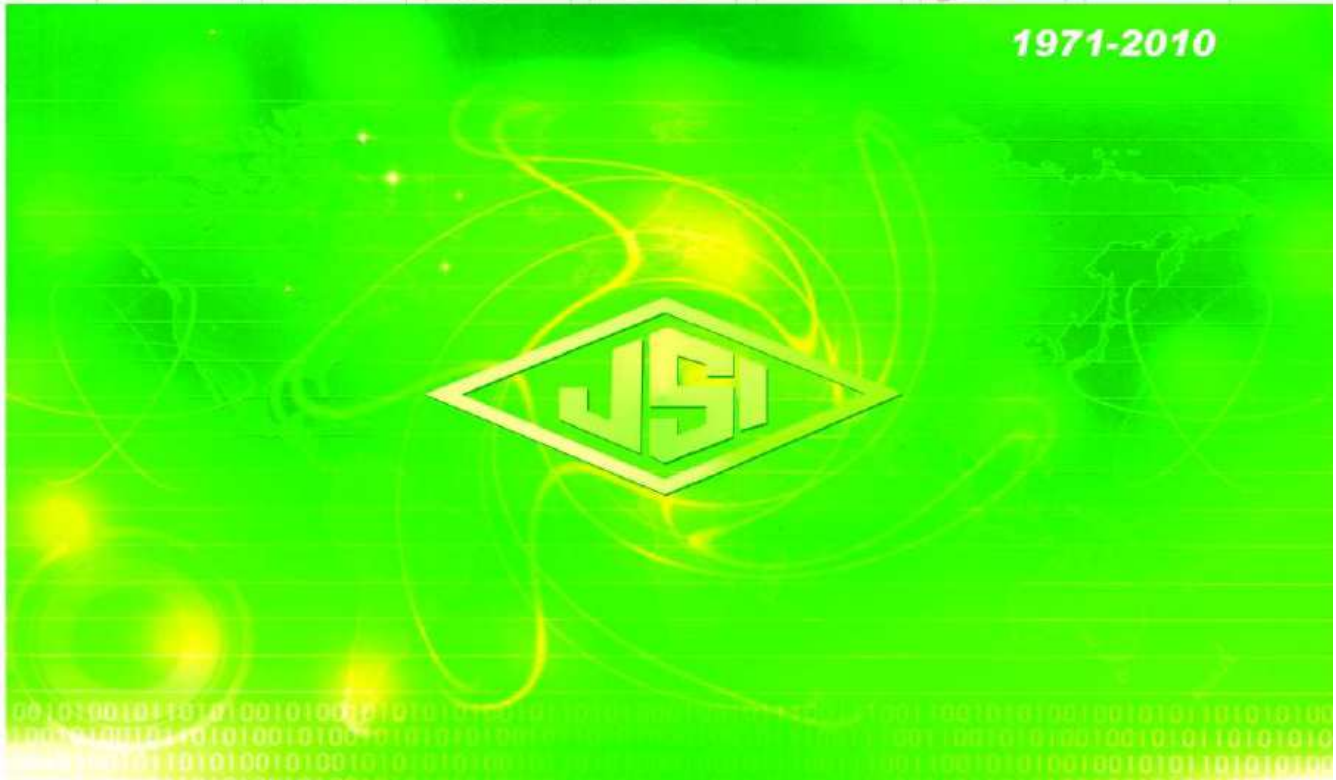
Applications: Irrigation, Water supply, Plumbing,  
Water wells and Cold Storage applications, Fire Fighting & Gas distribution



SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"									
A	19.00	22.00	24.00	27.00	27.00	32.00	35.00	38.00									



1971-2010



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

**AN ISO 9001 : 2008**  
**CERTIFIED CO.**



 **Approved Valves**  
  **Approved Valves**  
**EN331 Approved Valves**





## FEMALE GAS BALL VALVE



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**.

### 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.

## FEMALE GAS BALL VALVE



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.

### 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  $-20^\circ\text{C}$  to  $+150^\circ\text{C}$ , **Gas** :  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$ , **Sizes** : 1/4" to 2".

## FEMALE GAS BALL VALVE (WITH NOZZLE) FEMALE APPLIANCE VALVE



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

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  $-20^\circ\text{C}$  to  $+180^\circ\text{C}$ , **Gas** :  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$ , **Sizes** : 1/4" to 1/2" BSPT/NPT.

## FORGED FILTER BALL VALVE



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  $-20^\circ\text{C}$  to  $150^\circ\text{C}$ , **Test**

**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  $\phi$  perforations 0.65 mm, **Vacuum** : 10 Torr., **Sizes** : 1/2" to 2".

## FEMALE GAS BALL VALVE (WITH BUTTERFLY HANDLE)



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.

### 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  $-20^\circ\text{C}$  to  $+150^\circ\text{C}$ , **Gas** :  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$ , **Sizes** : 1/2" to 1". **Approved by Indraprastha Gas Ltd., New Delhi.**

## MALE GAS BALL VALVE (WITH NOZZLE) MALE APPLIANCE VALVE



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

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  $-20^\circ\text{C}$  to  $+180^\circ\text{C}$ , **Gas** :  $-20^\circ\text{C}$  to  $+60^\circ\text{C}$ , **Sizes** : 1/4" to 1/2" BSPT.

\* 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".

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

## BRASS FEMALE Y-TYPE STRAINER



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 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 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 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".





**JAINSONS INDUSTRIES**



**ISO 9001 : 2008**



**Ductile Iron Threaded Pipe Fittings** ●  
**Ductile Iron Grooved Fittings** ●  
**BRASS Ball Valves** ●



**ZHIQING**



Check out our complete range  
online at [www.jainsonsindustries.com](http://www.jainsonsindustries.com)





EN331  
Approved



AN ISO 9001 : 2008  
CERTIFIED CO.



D  
I  
L  
I  
N  
G  
S  
F  
I  
T  
T  
I  
N  
G  
S

## DUCTILE IRON PIPE FITTING



### AMERICAN STANDARD

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

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



Listed



Approved



**Improved Quality as compared to  
EXPENSIVE FORGED FITTING**

## DUCTILE IRON PIPE FITTING

D . I . F I T T I N G S

**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	65.8	76.2				

**90R**  
Elbow, 90°  
Reducing



Size	Inch	3/4" x 1/2"	1" x 3/4"	1-1/4" x 1"	1-1/2" x 1-1/4"	2" x 1-1/2"	2-1/2" x 2"	3" x 2-1/2"	3" x 2"	3" x 1-1/2"	3" x 1"	3" x 3/4"	3" x 1/2"
	mm	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
Dimensions	A	30.5	32	34.5	34	36.8	41.1	35.8	35.8	41.9	41.9	41.9	41.9
	B	38	35.5	38.8	38.9	41.2	42.4	42.2	44.5	42.7	47.8	47.8	51.3

**130**  
Tee



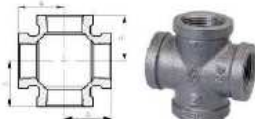
Size	Inch	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"					
	mm	15	20	25	32	40	50	65					
Dimensions	A	28.5	33.3	38.1	44.5	49.3	57.2	65.8					

**130R**  
Tee,  
Reducing



Size	Inch	1/2" x 1/4"	3/4" x 1/2"	1" x 3/4"	1-1/4" x 1"	1-1/2" x 1-1/4"	2" x 1-1/2"	2-1/2" x 2"	3" x 2-1/2"	3" x 2"	3" x 1-1/2"	3" x 1"	3" x 3/4"
	mm	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
Dimensions	A	30.5	32	34.5	34	36.8	41.1	35.8	35.8	41.9	41.9	41.9	41.9
	B	31	30.5	34.8	34.9	41.2	42.4	42.2	44.5	42.7	47.8	47.8	51.3

**180**  
Cross



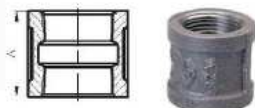
Size	Inch	1"	1-1/4"	1-1/2"	2"								
	mm	25	32	40	50								
Dimensions	A	38.1	44.5	49.3	57.2								

**180R**  
Cross,  
Reducing



Size	Inch	1-1/4" x 1"	1-1/2" x 1-1/4"										
	mm	38.1	40.2										
Dimensions	A	41.1	41.9										
	B	42.4	42.7										

**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	46.4	54.6	64.3						





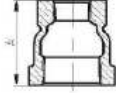
EN331  
Approved



AN ISO 9001 : 2008  
CERTIFIED CO.

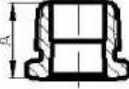


**240**  
Socket,  
Reducing



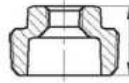
Size	Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"
	mm	25.4	31.8	38.1	50.8	63.5	76.2	101.6	127.0	152.4	177.8	203.2	254.0	304.8	381.0
Dimensions	A	42.9	42.8	53	52.3	58.7	58.7	71.4	71.4	71.4					

**241**  
Bushing



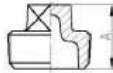
Size	Inch	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
	mm	12.7	19.0	25.4	31.8	38.1	50.8	63.5	76.2	101.6	127.0	152.4	177.8	203.2	254.0
Dimensions	A	24	24	24	24	24	24	24	24	24					

**241N**  
Bushing



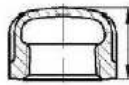
Size	Inch	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
	mm	12.7	19.0	25.4	31.8	38.1	50.8	63.5	76.2	101.6	127.0	152.4	177.8	203.2	254.0
Dimensions	A	24													

**291**  
Plug



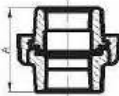
Size	Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"
	mm	25	32	38	50	63	76	102	127	152	178	203	254	305	381
Dimensions	A	23.5	27.2	31.8	34.5	38.8	38.8								

**300**  
Cap



Size	Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"
	mm	25	32	38	50	63	76	102	127	152	178	203	254	305	381
Dimensions	A	22.1	24.8	33.5	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"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"
	mm	25	32	40	50	63	76	102	127	152	178	203	254	305	356
Dimensions	A	52.3	57.4	61.2	69.3										

## FEATURES

**F E A T U R E S**



**UL Approved**  
(Under Writer  
Laboratories, USA)

**(Under Writer Laboratories, USA)**

UL is the trusted resource across the globe for product safety certification and compliance solutions. Benefitting a range of customers -from manufacturers 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)**

**(World's Best Agency for Fire Fighting  
Approval)**

Your customers demand quality, and your position in the marketplace 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)
- Weldable (for double surety)
- Totally Safe & Leak Proof (Tested at Hydraulic pressure upto 500psi)
- Accepted World Wide
- 40 – 50% 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	1500 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	<b>Do, we need say more.</b>

## COMPARISON CHART

Our **UL & FM Approved Ductile Iron Pipe Fittings for Fire Fighting**, are tested up to 500 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 1500psi**





EN331  
Approved
































AN ISO 9001 : 2008  
CERTIFIED CO.



# DUCTILE IRON GROOVED FITTINGS



<p>1G Rigid Coupling</p> 	<p>1N Flexible Coupling</p> 	<p>1NH Heavy Duty Flexible Coupling</p> 	<p>180 Cross</p> 	<p>240 Grooved Concentric Reducer</p> 
<p>230N Grooved Eccentric Reducer With Female Thread</p> 	<p>321G Adaptor Flange</p> 	<p>321 Grooved Flange</p> 	<p>110 22.5° Elbow</p> 	<p>120 45° Elbow</p> 
<p>90S Light-duty 90° Elbow</p> 	<p>130S Light-duty Tee</p> 	<p>130 Tee</p> 	<p>90 90° Elbow</p> 	<p>90R 90° Reducing Elbow</p> 
<p>300 Cap</p> 	<p>131R Reducing Tee</p> 	<p>130R Reducing Tee</p> 	<p>3J Mechanical Tee Threaded Outlet</p> 	<p>3G Mechanical Tee Grooved Outlet</p> 
<p>10S 11.25° Elbow</p> 	<p>3L Small Mechanical Tee U-bolt</p> 	<p>180R Reducing Cross</p> 	<p>181 Reducing Cross</p> 	<p>4G Mechanical Cross Grooved Outlet</p> 
<p>4J Mechanical Cross Threaded Outlet</p> 	<p>240N Grooved Concentric Reducer With Female Thread</p> 	<p>240W Grooved Concentric Reducer With Male Thread</p> 	<p>230 Grooved Eccentric Reducer</p> 	

## DUCTILE IRON GROOVED FITTINGS

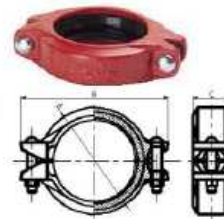
D . I . G R O O V E D F I T T I N G S

**1G**  
Rigid  
Coupling



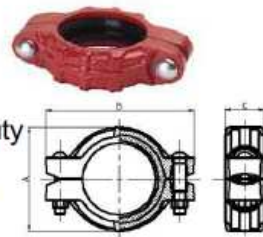
Nominal Size	mm/in	size	25	1	32	1 1/2	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8		
Pipe O.D.	mm/in		34	1.33	42	1.67	48	1.9	60	2.38	73	2.88	76.1	3	89	3.5	108	4.3	114	4.5	133	5.3	140	5.5	141	5.56
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.5	500	3.45	500	3.45	500	3.5	500	3.5	500	3.5	500	3.5	500	3.5	500	3.5	500	3.5
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	5.55	147	5.8	170	6.7	196	7.7	201	7.9	230	9.1	238	9.3	234	9.21
		C	45	1.75	48	1.91	48	1.9	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	2-3/16x5 2-3/16x5																							

**1N**  
Flexible  
Coupling



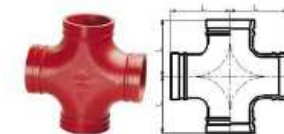
Nominal Size	mm/in	size	25	32	40	50	60	75	80	90	100	125	150	175	200	250	300	350	400	450	500	600	700	800		
Pipe O.D.	mm/in		33.7	1.327	42.4	1.693	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	133	5.25	140	5.5	141.3	5.563
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions		A	55.5	2.19	65	2.56	72	2.83	84	3.31	96	3.78	101.5	4	115.5	4.55	140	5.51	145.5	5.73	163	6.42	170	6.69	170	6.69
		B	94	3.7	104	4.09	108	4.29	130	5.12	143	5.63	148	5.83	165	6.5	190.5	7.5	197	7.75	232	9.13	238	9.38	232	9.13
		C	42	1.65	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	50.8	2
Bolt Size	No.-Size	mm	2-3/16x5 2-3/16x5																							

**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	92	3.6	104	4.1	123	4.8	153	6	181	7.13	207	8.15	210	8.27	269	10.6
		B	134	5.28	155	6.1	173	6.8	215	8.5	250	9.85	280	11	285	11.2	355	14
		C	46	1.81	46	1.8	47	1.9	51	2	52	2.05	52	2.05	52	2.05	62	2.44
Bolt Size	No.-Size	mm	2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7 2-1/2x7														2-3/4x11 2-3/4x11 2-3/4x11 2-3/4x11 2-3/4x11 2-3/4x11 2-3/4x11 2-3/4x11	

**180**  
Cross



Nominal Size	mm/in	size	25	1	32	1 1/2	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8
Pipe O.D.	mm/in		42.4	1.69	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	140	5.5	141.3	5.563
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
Dimensions	L	mm/in	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71	68.0	2.71

**240**  
Grooved  
Concentric  
Reducer



Nominal	Size	mm/in	22K25	1 1/2"x1"	40002	1 1/2"x1"	50002	2K15	50040	2K15	65550	2K20	65560	2 1/2"x1"	65505
Pipe	O.D.		42.43X37.1	1.000X1.315	45.386X2.4	13.000X1.600	45.386X2.4	2.375X1.600	60.348X2.3	2.375X1.967	76.100X2.3	2.875X2.375	76.14X2.8	3.000X1.967	76.100X2.3
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 <sup>1</sup> / <sub>2</sub>	100X85	4X2 <sup>1</sup> / <sub>2</sub>	125X80	5X3	150X80	6X3
Pipe	O.D.	mm/in		108.0X76.1	4.250X3.000	114.3X76.1	4.500X3.000	139.7X88.9	8.500X3.500	165.1X88.9	6.500X3.500
Working	Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45
Dimension	L	mm/in		102	4	102	4	127	5	140	5.5





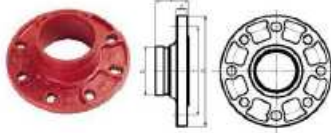
EN331  
Approved



AN ISO 9001: 2008  
CERTIFIED CO.

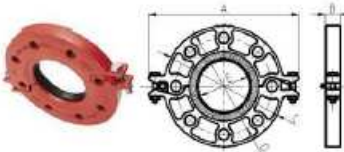


### 321G Adaptor Flange



Nominal Size	mm/in	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8	
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	
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	
Dimensions	L	mm/in	60.3	2.375	60.3	2.375	70	2.750	70	2.750	80.3	3.175	76	2.992	60.3	2.375	89	3.5	89	3.5
	R	mm	100	5.9	102.5	6	108	7.25	105	7.25	200	7.87	220	8.66	225	9	250	9.84	252	9.92
	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
	Z	mm	18	0.63	18	0.71	16	0.63	16	0.63	16	0.63	16	0.71	21	0.83	21	0.83	24	0.94
Surface	No. Size	mm	4-M16		4-M16		4-M16		4-M16		4-M16		4-M16		4-M16		4-M16		4-M16	

### 321 Grooved Flange



Nominal Size	mm/in	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8	
Pipe O.D. <th>mm/in</th> <td>48.3</td> <td>1.9</td> <td>60.3</td> <td>2.375</td> <td>73</td> <td>2.875</td> <td>76.1</td> <td>3</td> <td>88.9</td> <td>3.5</td> <td>108</td> <td>4.25</td> <td>114.3</td> <td>4.5</td> <td>133</td> <td>5.25</td> <td>139.7</td> <td>5.5</td>	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	
Working Pressure <th>PSI/MPa</th> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td> <td>300</td> <td>2.07</td>	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	
Dimensions	A	mm/in	195	7.68	220	8.66	235	9.25	235	9.25	252	9.92	280	11.02	330	12.9	346	13.62	346	13.62
	B	mm/in	24	0.95	24	0.95	24	0.95	24	0.95	25	1	25.5	1	25.5	1	30	1.18	30.3	1.19
	C	mm/in	150	5.9	165	6.5	182	7.16	185	7.30	200	7.87	220	8.66	225	9	250	9.84	252	9.92
	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	210	8.27
Surface	A	mm/in	454	17.87	517	20.36	561	22.1	574	22.6	635	25.0	685	27.0	738	29.0	762	30.0	787	31.0
	No. Size	2-M16		2-M16		2-M16		2-M16		2-M16		2-M16		2-M16		2-M16		2-M16		

### 110 22.5° Elbow



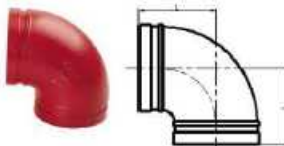
Nominal	Size	mm/in	65	2½	80	3	100	4	100	4	125	5	150	6	150	6	150	6	200	8
Pipe	O.D	mm/in	76.1	3	88.9	3.5	108	4.25	114.3	4.5	139.7	5.5	159	6.25	165.1	6.5	168.3	6.625	219.1	8.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	61	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



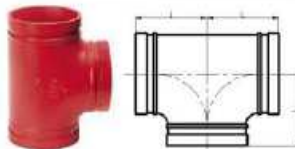
Nominal Size	mm/in	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6
Pipe O.D.	mm/in	33.7	1.315	42.4	1.66	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108	4.25	114.3	4.5	141.3	5.5	141.3	5.5
Working Pressure	PSI/MPa	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	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	

### 90S Light-duty 90° Elbow



Nominal Size	mm/in	50	2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	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	133	5.25	139.7	5.5	165.1	6.5	165.1	6.5
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
90S Light-duty 90 Elbow	L	69.25	2.73	76.2	3	76.2	3	85.08	3.35	101.6	4	101.6	4	121.98	4.8	139.7	5.5	174.5	6.87	174.5	6.87
130S Light-duty Tee	L	69.25	2.73	76.2	3	76.2	3	85.08	3.35	101.6	4	101.6	4	121.98	4.8	139.7	5.5	174.5	6.87	174.5	6.87

### 130S Light-duty Tee



Nominal Size	mm/in	50	2	65	2 1/2	80	3	100	4	100	4	125	5	150	6	150	6	175	7	
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	133	5.25	139.7	5.5	165.1	6.5	
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	
130S Light-duty 90 Elbow	L	mm/in	69.25	2.73	76.2	3	76.2	3	85.08	3.35	101.6	4	101.6	4	121.98	4.8	139.7	5.5	174.5	6.87
130S Light-duty Tee	L	mm/in	69.25	2.73	76.2	3	76.2	3	85.08	3.35	101.6	4	101.6	4	121.98	4.8	139.7	5.5	174.5	6.87

### 130 Tee

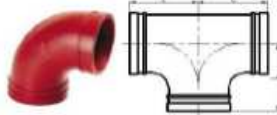


Nominal Size	mm/in	25	1	32	1 1/4	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	125	5	150	6	150	6								
Pipe O.D.	mm/in	33.7	1.315	42.4	1.66	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	108.3	4.25	114.3	4.5	133.0	5.25	139.7	5.5	161.3	6.35	165.1	6.5	190.5	7.5	193.0	7.625
Working Pressure	PSI/MPa	500	3.45	500	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	500	3.45	500	3.45
90° Tee	L	57.15	2.25	55.08	2.17	65.08	2.55	62.55	2.45	75.08	2.95	75.08	2.95	85.08	3.35	101.6	4	101.6	4	114.3	4.5	114.3	4.5	127.0	5	127.0	5	152.4	6	152.4	6
130 Tee	L	57.15	2.25	55.08	2.17	65.08	2.55	62.55	2.45	75.08	2.95	75.08	2.95	85.08	3.35	101.6	4	101.6	4	114.3	4.5	114.3	4.5	127.0	5	127.0	5	152.4	6	152.4	6

## DUCTILE IRON GROOVED FITTINGS

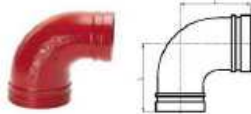
D . I . G R O O V E D F I T T I N G S

**90**  
90°  
Elbow



Nominal	Size	mm/in	25	1	32	1 1/2	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	150	6
Pipe	O.D.	mm/in	33.7	1.515	42.4	1.68	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	114.3	4.5	141.3	5.5	141.3	5.5
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
90° Elbow	L	mm/in	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	127	5	150	6
130 Tee	L	mm/in	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	127	5	150	6

**90R**  
90°  
Reducing  
Elbow



Nominal	Size	mm/in	80/65	3/2 1/2	100/85	4/2 1/2	100/80	4/3	150/120	6/4	150/100	6/3
Pipe	O.D.	mm/in	88.9/76.1	3.50/3.00	114.3/76.1	4.50/3.00	114.3/88.9	4.50/3.50	165.1/114.3	6.50/4.50	165.1/127	6.50/4.50
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimensions	L	mm/in	106	4.25	127	5	127	5	165	6.5	165	6.5

**105**  
11.25°  
Elbow



Nominal	Size	mm/in	50	2	65	2 1/2	80	3	100	4	125	5	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	130.7	5.5	159	6.25	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
Dimensions	L	mm/in	35	1.38	38	1.506	38	1.5	44	1.73	44	1.73	51	2.01	51	2.01	51	2.01

**300**  
Cap



Nominal	Size	mm/in	25	1	32	1 1/2	40	1 1/2	50	2	65	2 1/2	80	3	100	4	125	5	150	6	150	6
Pipe	O.D.	mm/in	33.7	1.515	42.4	1.68	48.3	1.9	60.3	2.375	73	2.875	76.1	3	88.9	3.5	114.3	4.5	141.3	5.5	141.3	5.5
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	L	mm/in	22.1	0.87	25.5	1	25.5	1	25.5	1	25.5	1	25.5	1	27	1.06	27	1.06	27	1.06	27	1.06

**131R**  
Reducing  
Tee



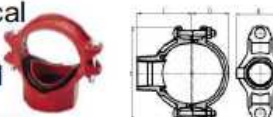
Nominal	Size	mm/in	50A25	2A1	50A32	2A1 1/2	50A40	2A1 1/2	65A25	2A1 1/2	65A32	2A1 1/2	65A40	2A1 1/2	80A25	2A1 1/2	80A32	2A1 1/2	80A40	2A1 1/2
Pipe	O.D.	mm/in	60.3A33.7	2.375A1.315	60.3A40	2.375A1.600	60.3A48.3	2.375A1.900	73A25	2.875A1.315	73A32	2.875A1.515	73A40	2.875A1.515	88.9A25	3.5A1.315	88.9A32	3.5A1.515	88.9A40	3.5A1.515
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
Dimensions	L1	mm/in	82.5	3.25	82.5	3.25	82.5	3.25	76	2.99	76	2.99	76	2.99	76	2.99	76	2.99	95	3.75
	L2	mm/in	82.5	3.25	82.5	3.25	82.5	3.25	76	2.99	76	2.99	76	2.99	76	2.99	76	2.99	95	3.75

**130R**  
Reducing  
Tee



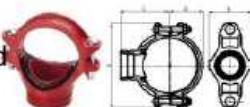
Nominal	Size	mm/in	50/25	2A1	50A40	2A1 1/2	65A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2
Pipe	O.D.	mm/in	60.3/33.7	2.375/1.315	60.3A48.3	2.375A1.900	73A48.3	2.875A1.900	88.9A48.3	3.5A1.900	88.9A48.3	3.5A1.900	88.9A48.3	3.5A1.900	88.9A48.3	3.5A1.900	88.9A48.3	3.5A1.900	88.9A48.3	3.5A1.900
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	82.5	3.25	82.5	3.25	101.5	4	101.5	4	101.5	4	101.5	4	101.5	4	101.5	4	101.5	4

**3J**  
Mechanical  
Tee  
Threaded  
Outlet



Nominal	Size	mm/in	50A15	2A1	50A20	2A1 1/2	50A25	2A1 1/2	50A32	2A1 1/2	50A40	2A1 1/2	50A40	2A1 1/2	50A40	2A1 1/2	50A40	2A1 1/2	50A40	2A1 1/2
Pipe	O.D.	mm/in	60.3A25	2.375A1.315	60.3A20	2.375A1.600	60.3A25	2.375A1.600	60.3A32	2.375A1.600	60.3A40	2.375A1.600	60.3A40	2.375A1.600	60.3A40	2.375A1.600	60.3A40	2.375A1.600	60.3A40	2.375A1.600
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
Outlet Dia	mm/in		38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5
Dimensions	mm/in		116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	116	4.57	116	4.57
	mm/in		65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56
	mm/in		65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56
	mm/in		38	1.54	38	1.54	38	1.54	38	1.54	38	1.54	38	1.54	38	1.54	38	1.54	38	1.54
Outlet Size			3/8A25		3/8A25		3/8A25		3/8A25		3/8A25		3/8A25		3/8A25		3/8A25		3/8A25	

**3G**  
Mechanical  
Tee Grooved  
Outlet



Nominal	Size	mm/in	50A32	2A1 1/2	50A40	2A1 1/2	65A32	2A1 1/2	65A40	2A1 1/2	80A32	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2	80A40	2A1 1/2
Pipe	O.D.	mm/in	60.3A32	2.375A1.600	60.3A40	2.375A1.600	73A32	2.875A1.600	73A40	2.875A1.600	88.9A32	3.5A1.600	88.9A40	3.5A1.600	88.9A40	3.5A1.600	88.9A40	3.5A1.600	88.9A40	3.5A1.600
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
Outlet Dia	mm/in		45	1.75	45	1.75	51	2	51	2	51	2	51	2	51	2	51	2	51	2
Dimensions	mm/in		116	4.57	116	4.57	144	5.67	144	5.67	144	5.67	144	5.67	144	5.67	144	5.67	144	5.67
	mm/in		65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56
	mm/in		65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56	65	2.56
	mm/in		38	1.54	38	1.54	49	1.93	49	1.93	49	1.93	49	1.93	49	1.93	49	1.93	49	1.93
Outlet Size			3/8A32		3/8A32		1/2A32		1/2A32		1/2A32		1/2A32		1/2A32		1/2A32		1/2A32	





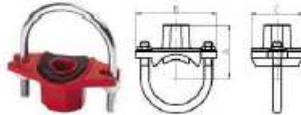
EN331  
Approved



AN ISO 9001 : 2008  
CERTIFIED CO.

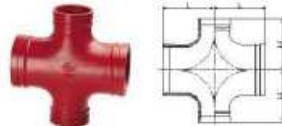


### 3L Small Mechanical Tee U-bolt



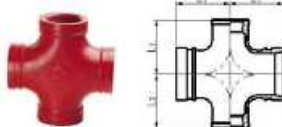
Nominal Size	mm/in	size	40	1 1/4	50	2	65	2 1/2	80	3	100	4	125	5	150	6	175	7	200	8
Pipe O.D.	mm/in		40.3	1 1/4	50.8	2	65.3	2 1/2	76.2	3	101.6	4	127	5	152.4	6	177.8	7	203.2	8
Working Pressure	PSI/MPa		225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6	225	1.6
Dimensions																				
L	mm/in		60.3	2.375	60.3	2.375	70	2.750	70	2.750	80	3.150	80	3.150	90	3.540	90	3.540	100	3.937
E	mm		100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937
Y	mm		100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937
Z	mm		100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937	100	3.937
Substit	No-Size	mm	4-40/16		4-40/16		4-40/16		4-40/16		4-40/16		4-40/16		4-40/16		4-40/16		4-40/16	

### 180R Reducing Cross



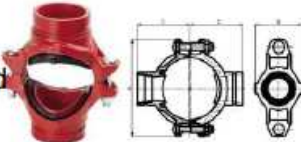
Nominal Size	mm/in	65A40	75A40	80A40	90A40	100A40	125A40	150A40	175A40	200A40
Pipe O.D.	mm/in	65.3/2.571	76.2/3.000	80.3/3.150	90.3/3.540	101.6/4.000	127.0/5.000	152.4/6.000	177.8/7.000	203.2/8.000
Working Pressure	PSI/MPa	500	3.45	500	3.45	500	3.45	500	3.45	500
Dimensions										
L1	mm/in	4	100	4.25	127	5	127	5	140	5.5
L2	mm/in	101.5	4	100	4.25	127	5	127	5	140

### 181 Reducing Cross



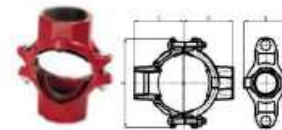
Nominal Size	mm/in	65A40	75A40	80A40	90A40	100A40	125A40	150A40	175A40	200A40
Pipe O.D.	mm/in	65.3/2.571	76.2/3.000	80.3/3.150	90.3/3.540	101.6/4.000	127.0/5.000	152.4/6.000	177.8/7.000	203.2/8.000
Working Pressure	PSI/MPa	500	3.45	500	3.45	500	3.45	500	3.45	500
Dimensions										
L1	mm/in	4	100	4.25	127	5	127	5	140	5.5
L2	mm/in	101.5	4	100	4.25	127	5	127	5	140

### 4G Mechanical Cross Grooved Outlet



Nominal Size	mm/in	65A40	75A40	80A40	90A40	100A40	125A40	150A40	175A40	200A40
Pipe O.D.	mm/in	65.3/2.571	76.2/3.000	80.3/3.150	90.3/3.540	101.6/4.000	127.0/5.000	152.4/6.000	177.8/7.000	203.2/8.000
Working Pressure	PSI/MPa	500	3.45	500	3.45	500	3.45	500	3.45	500
Substit	No-Size	mm	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16
Dimensions										
A	mm/in	137	5.39	137	5.39	137	5.39	137	5.39	137
B	mm/in	71	2.8	84.5	3.33	84.5	3.33	84.5	3.33	84.5
C	mm/in	70	2.76	78	3.07	78	3.07	78	3.07	78
D	mm/in	49.5	1.95	49.5	1.95	49.5	1.95	49.5	1.95	49.5

### 4J Mechanical Cross Threaded Outlet



Nominal Size	mm/in	65A40	75A40	80A40	90A40	100A40	125A40	150A40	175A40	200A40
Pipe O.D.	mm/in	65.3/2.571	76.2/3.000	80.3/3.150	90.3/3.540	101.6/4.000	127.0/5.000	152.4/6.000	177.8/7.000	203.2/8.000
Working Pressure	PSI/MPa	500	3.45	500	3.45	500	3.45	500	3.45	500
Substit	No-Size	mm	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16	4-40/16
Dimensions										
A	mm/in	116	4.57	116	4.57	116	4.57	116	4.57	116
B	mm/in	88	3.46	78	3.07	78	3.07	78	3.07	78
C	mm/in	60	2.36	65	2.56	65	2.56	65	2.56	65
D	mm/in	60	2.36	65	2.56	65	2.56	65	2.56	65

### 240N Grooved Concentric Reducer With Female Thread



Nominal Size	Grooved X Thread	mm/in	50X15	200/0	50X30	200/4	50X25	200	50X32	200/4	50X40	200/4	50X50	200/4
Pipe O.D.	mm/in		50.8/2.000	203.2/8.000	50.8/2.000	203.2/8.000	50.8/2.000	203.2/8.000	50.8/2.000	203.2/8.000	50.8/2.000	50.8/2.000	50.8/2.000	50.8/2.000
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimension	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 1/2 X 2	65X50	2 1/2 X 2	80X25	3 X 1	100X50	4 X 2	300X150	8 X 6
Pipe O.D.	mm/in		73.0X60.3	2.875X2.375	73.0X60.3	2.875X2.375	88.9X33.3	3.500X1.315	114.3X60.3	4.500X2.375	219.1X114.3	8.625X6.625
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45
Dimension	L	mm/in	64	2.5	64	2.5	64	2.5	76	3	127	5

### 230 Grooved Eccentric Reducer



Nominal Size	mm/in	size	80X50	3 X 2	100X60	4 X 2 1/2	100X80	4 X 3	100X100	4 X 4	125X100	5 X 4	150X100	6 X 4	150X100
Pipe O.D.	mm/in		80.3/3.150	3.000/2.375	101.6/4.000	4.000/3.500	101.6/4.000	4.000/3.500	101.6/4.000	4.000/3.500	127.0/5.000	5.000/4.000	152.4/6.000	6.000/4.500	152.4/6.000
Working Pressure	PSI/MPa		500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500	3.45	500
Dimension	L	mm/in	64	2.5	102	4	102	4	102	4	127	5	140	5.5	140

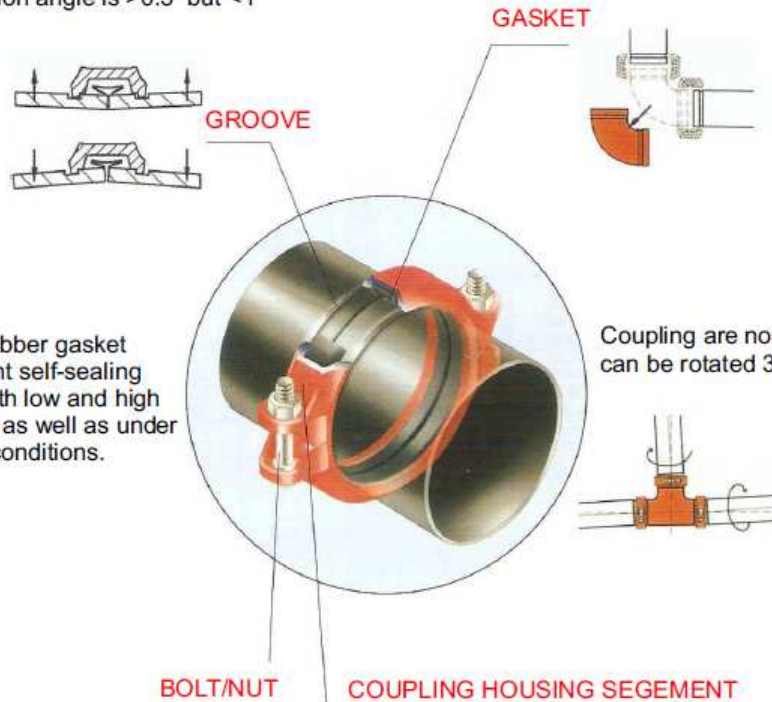


## FLEXIBLE COUPLING



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.

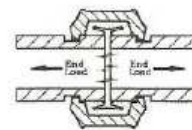
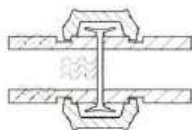


The C-shaped rubber gasket provides excellent self-sealing capabilities in both low and high pressure service as well as under certain vacuum conditions.

Coupling are non-directive and pipe can be rotated  $360^\circ$  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.



D . I . G R O O V E D F I T T I N G S



EN331  
Approved



AN ISO 9001 : 2008  
CERTIFIED CO.

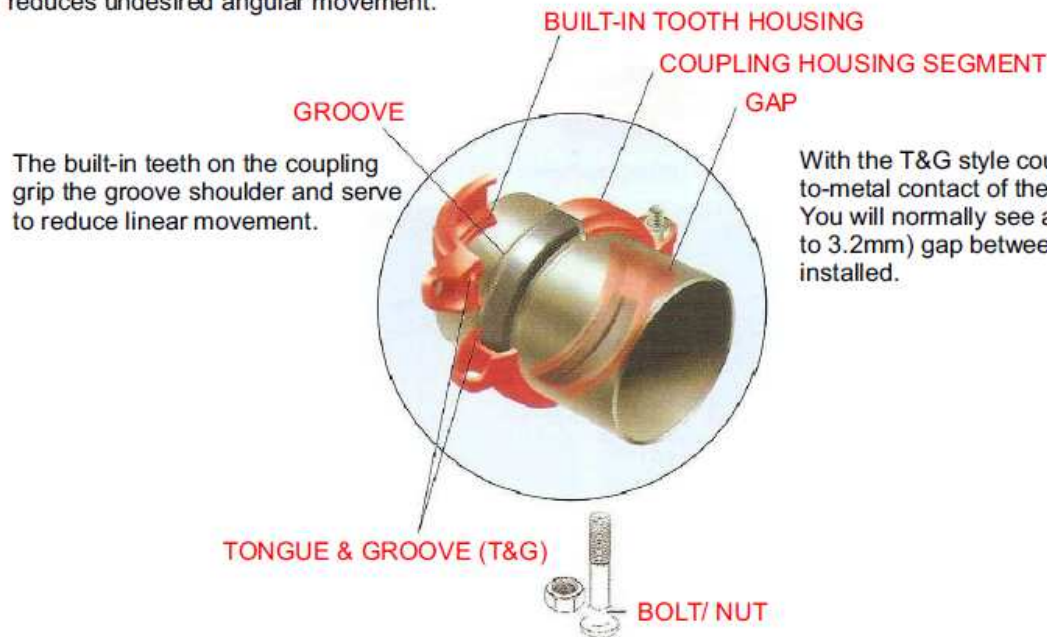


## RIGID COUPLING



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.



With the T&G style coupling no metal-to-metal contact of the bolt pads is required. You will normally see a 1/16" - 1/8" (1.6mm to 3.2mm) gap between the bolt pads when installed.

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.

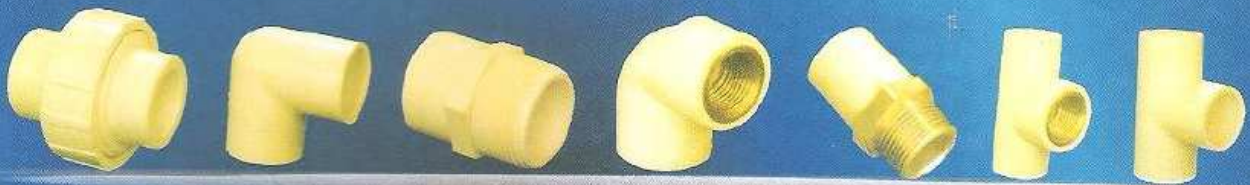




1971-2007



# CPVC PIPES & FITTINGS



*"The New Way of Plumbing"*



## ABOUT US

Jainsons Malleables, located at Jalandhar City (Punjab), is a manufacturing company and importer & exporter of wide range of building products viz. Malleable Iron Pipe Fittings, Forged Brass Valves, S.S. Pipe Fittings and Valves, Ferrous Castings for various types of engineering goods.

In recent years the company has developed very quickly and widened its range of products. With this motive in hand, we are proud to introduce <img alt="Jainsons logo" data-bbox="340 195 375 210"/> make Chlorinated Poly Vinyl Chloride (CPVC) Pipes & Fittings -

### **"THE MOST ADVANCED HOT & COLD WATER SOLUTION FOR THE NEW GENERATION BUILDINGS"**

The <img alt="Jainsons logo" data-bbox="145 250 180 265"/> make Pipes & Fittings are heavy duty i.e. SDR11 as per ASTM D 2846 and are available in Copper Tube sizes (CTS) from 1/2" - 2". These are designed for a continuous working pressure as per table below :-

Temp. (°C)	Pressure (PSI)		Rating (Kg./Cm <sup>2</sup> )	
	SDR11	SDR13.5	SDR11	SDR13.5
23	400	320	28.1	22.5
82	100	80	7.03	5.6

This implies no matter how fast is the change in temperature of water our CPVC Pipe Fittings system is designed to give best performance and safety with tremendous durability at minimum lifetime ownership cost.

### **BENEFITS - Innumerable**

- Corrosion Resistant (even against many corrosive liquids)
- Lowest bacteria growth.
- No Scaling, Pitting or Leaching.
- Unaffected by high levels of chlorine.
- Very cost effective.
- Safe for Drinking
- Hot and Cold water compatible.
- Chemical Resistance.
- Fire Resistant
- Temperature / Pressure Rating is not vulnerable to UV Exposure.
- Low thermal expansion.
- Easy Installation.
- No more leakage or wall dampenings





# CPVC, CTS Pipes & Fittings, SDR 11 as per standard ASTM D2846

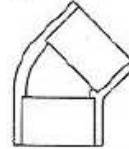
## Heavy Duty

### ELBOW 90°



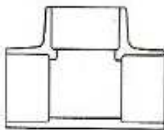
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-01	070	700
3/4"	JSI-02	100	300
1"	JSI-03	040	160
1 1/4"	JSI-04	025	075
1 1/2"	JSI-05	010	050
2"	JSI-06	005	020
3/4" x 1/2"	JSI-56	100	300
1" x 1/2"	JSI-83		
1" x 3/4"	JSI-94		

### ELBOW 45°



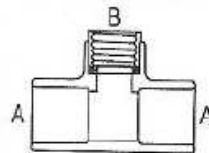
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-68	100	1000
3/4"	JSI-69	30	360
1"	JSI-70	20	200

### TEE



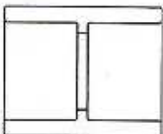
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-07	50	500
3/4"	JSI-08	20	200
1"	JSI-09	25	100
1 1/4"	JSI-10	06	072
1 1/2"	JSI-11	10	040
2"	JSI-12	01	020
3/4" x 1/2"	JSI-88	20	200
1" x 1/2"	JSI-89	25	100
1" x 3/4"	JSI-90	25	100
1 1/2" X 1"	JSI-113	10	40
2" X 1"	JSI-114	01	20

### BRASS THREADED TEE



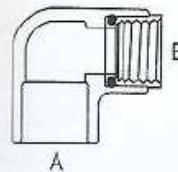
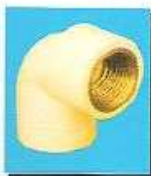
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2" x 1/2" x 1/2"	JSI-26	25	300
3/4" x 3/4" x 1/2"	JSI-27	15	180
1" x 1" x 1/2"	JSI-28	10	100

### SOCKET / COUPLING



Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-13	100	1200
3/4"	JSI-14	50	500
1"	JSI-15	50	250
1 1/4"	JSI-16	25	150
1 1/2"	JSI-17	10	100
2"	JSI-18	8	48
3/4" x 1/2"	JSI-91	50	500
1" x 1/2"	JSI-92	50	250
1" x 3/4"	JSI-93	50	250

### BRASS THREADED 90° ELBOW



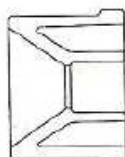
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2" x 1/2"	JSI-22	30	360
3/4" x 3/4"	JSI-23	25	250
3/4" x 1/2"	JSI-24	25	250
1" x 1/2"	JSI-25	15	180



# CPVC, CTS Pipes & Fittings, SDR 11 as per standard ASTM D2846

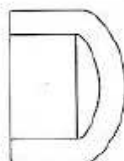
## Heavy Duty

### REDUCER BUSHING



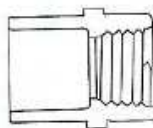
Sizes	Code	Packing Qty.	
		Bag	Crtn.
3/4" x 1/2"	JSI-57	100	1200
1" x 1/2"	JSI-58	100	600
1" x 3/4"	JSI-59	100	600
1 1/4" x 1/2"	JSI-60	30	360
1 1/4" x 3/4"	JSI-61	30	360
1 1/4" x 1"	JSI-62	30	360
1 1/2" x 1/2"	JSI-63	20	200
1 1/2" x 3/4"	JSI-64	20	200
1 1/2" x 1"	JSI-65	20	200
1 1/2" x 1 1/4"	JSI-66	20	200
2" x 1"	JSI-96		
2" x 1 1/4"	JSI-97		
2" x 1 1/2"	JSI-98		

### END CAP



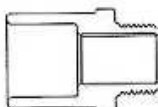
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-50	200	2400
3/4"	JSI-51	100	900
1"	JSI-52	50	400
1 1/4"	JSI-53	10	240
1 1/2"	JSI-54	20	160
2"	JSI-55	10	70

### FEMALE ADAPTER BRASS THREAD



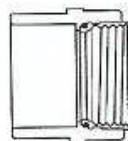
Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-41	40	400
3/4"	JSI-42	25	250
1"	JSI-43	10	120
1 1/4"	JSI-44	5	60
1 1/2"	JSI-45	5	50
2"	JSI-46	1	30

### MALE ADAPTER BRASS THREAD



Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-29	40	400
3/4"	JSI-30	25	250
1"	JSI-31	10	120
1 1/4"	JSI-32	5	60
1 1/2"	JSI-33	5	50
2"	JSI-34	01	30
3/4" x 1/2"	JSI-112	25	250

### FEMALE ADAPTER PLASTIC THREAD



Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-47	50	600
3/4"	JSI-48	50	350
1"	JSI-49	50	200

### MALE ADAPTER PLASTIC THREAD

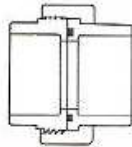


Sizes	Code	Packing Qty.	
		Bag	Crtn.
1/2"	JSI-35	80	800
3/4"	JSI-36	50	500
1"	JSI-37	50	300
1 1/4"	JSI-38	10	160
1 1/2"	JSI-39	25	100
2"	JSI-40	5	50
3/4" x 1/2"	JSI-111	50	500

# CPVC, CTS Pipes & Fittings, SDR 11 as per standard ASTM D2846

## Heavy Duty

### UNION



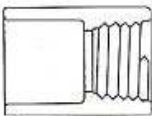
Sizes	Code	Packing Qty.	
		Bag	Crt.
1/2"	JSI-19	30	360
3/4"	JSI-20	30	120
1"	JSI-21	20	80
1 1/4"	JSI-84	-	123
1 1/2"	JSI-85	-	72
2"	JSI-86	-	45

### PIPE CLAMP PLASTIC



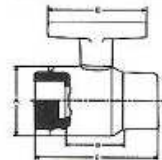
Sizes	Code	Packing Qty.	
		Bag	Crt.
1/2"	JSI-77	300	3000
3/4"	JSI-78	200	2000
1"	JSI-79	120	1440
1 1/4"	JSI-80	70	840
1 1/2"	JSI-81	40	400
2"	JSI-82	30	300

### BRASS THREADED SOCKET



Sizes	Code	Packing	
		Bag	Crt.
A B 3/4" x 1/2"	JSI -115	25	250
1" x 1/2"	JSI -116	10	120

### BALL VALVE



Sizes	Code	Packing Qty.	
		Crtn.	
1/2"	JSI-71	180	
3/4"	JSI-72	80	
1"	JSI-73	60	
1 1/4"	JSI-74	50	
1 1/2"	JSI-75	40	
2"	JSI-76	20	

### PIPE SDR-11 (CTS)



Sizes	Code	Packing Qty.	
		Bundles	
1/2"	JSI-99	3 Mtr.	25
3/4"	JSI-100	3 Mtr.	25
1"	JSI-101	3 Mtr.	20

### END PLUG



Sizes	Code	Packing Qty.	
		Bag	Crt.
1/2"	JSI-67	20	500

### SDR-13.5 (CTS)



Sizes	Code	Packing Qty.	
		Bundles	
1/2"	JSI-99	3 Mtr.	25
3/4"	JSI-100	3 Mtr.	25
1"	JSI-101	3 Mtr.	25
1 1/4"	JSI-109	3 Mtr.	15
1 1/2"	JSI-110	3 Mtr.	15
2"	JSI-117	3 Mtr.	06

### CPVC SOLVENT CEMENT



Sizes	Code	Packing	
		Crtn.	
118 ml (4 Oz.)	JSI-105	24	
237 ml (8 Oz.)	JSI-106	24	
473 ml (16 Oz.)	JSI-107	24	
946 ml (32 Oz.)	JSI-108	12	



**CPVC PIPE FITTINGS FOR HOT & COLD WATER DISTRIBUTION SYSTEMS**  
**COPPER TUBE SIZE SDR 11 AND SDR 13.5 AS PER ASTM D 2846**

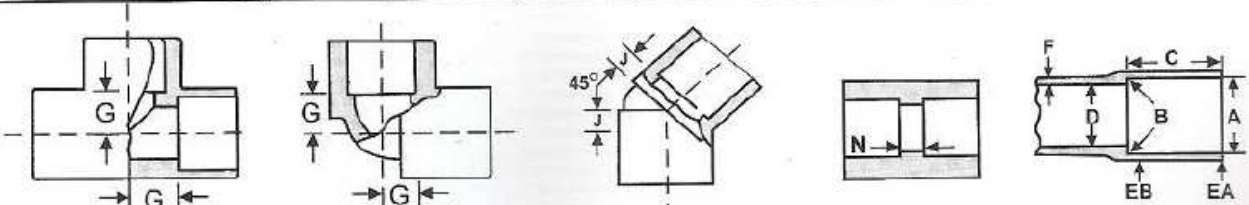
**Technical Details**

Outside Diameters and Wall Thickness For CPVC 4120, SDR 11 / SDR 13.5 Pipe						
Normal Size		Outside Diameter, in. (mm)		Wall Thickness in. (mm)		
(in.)	(mm)	Average	Tolerance	Minimum(SDR11)	Minimum (SDR13.5)	Tolerance
1/2	(15)	0.625 (15.9)	± 0.003 (± 0.08)	0.068 (1.73)	0.055(1.40)	+ 0.020 (+ 0.51)
3/4	(20)	0.875 (22.2)	± 0.003 (± 0.08)	0.080 (2.03)	0.065(1.65)	+ 0.020 (+ 0.51)
1	(25)	1.125 (28.6)	± 0.003 (± 0.08)	0.102 (2.59)	0.083(2.12)	+ 0.020 (+ 0.51)
1 1/4	(32)	1.375 (34.9)	± 0.003 (± 0.08)	0.125 (3.18)	0.102(2.59)	+ 0.020 (+ 0.51)
1 1/2	(40)	1.625 (41.3)	± 0.004 (± 0.10)	0.148 (3.76)	0.120(3.06)	+ 0.020 (+ 0.51)
2	(50)	2.125 (54.0)	± 0.001 (± 0.10)	0.193 (4.90)	0.157(4.00)	+ 0.023 (+ 0.58)

Minimum Dimension From Center to End of Socket (Laying Length) For CPVC 4120, SDR 11 Fittings							
Normal Size		"G" min.		"J" min.		"N" min.	
(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
1/2	(15)	0.382	(9.70)	0.183	(4.65)	0.102	(2.59)
3/4	(20)	0.507	(12.88)	0.235	(5.97)	0.102	(2.59)
1	(25)	0.633	(16.08)	0.287	(7.29)	0.102	(2.59)
1 1/4	(32)	0.758	(19.25)	0.339	(8.61)	0.102	(2.59)
1 1/2	(40)	0.884	(22.45)	0.391	(9.93)	0.102	(2.59)
2	(50)	1.134	(28.83)	0.495	(12.57)	0.102	(2.59)

Tapered Socket Dimensions For CPVC 4120, SDR 11, Pipe Fittings AS PER ASTM D2846									
Normal Size (in.)	Socket Entrance Diameter, in. (mm)		Socket Bottom Diameter, in. (mm)		Socket Length in. (mm) "C" min.	Inside Diameter in. (mm) "D" min.	Wall Thickness, in. (mm)		
	"A" Average	"A" Tolerance	"B" Average	"B" Tolerance			Socket Entrance "EA" min.	Socket Bottom "EB" min.	"F"
1/2	0.633 (16.08)	± 0.003 (± 0.08)	0.619 (15.72)	± 0.003 (± 0.08)	0.500 (12.70)	0.489 (12.42)	0.068 (1.73)	0.102 (2.59)	0.128 (3.25)
3/4	0.884 (22.45)	± 0.003 (± 0.08)	0.870 (22.10)	± 0.003 (± 0.08)	0.700 (17.78)	0.715 (18.16)	0.080 (2.03)	0.102 (2.59)	0.128 (3.25)
1	1.135 (28.83)	± 0.003 (± 0.08)	1.121 (28.47)	± 0.003 (± 0.08)	0.900 (22.86)	0.921 (23.39)	0.102 (2.59)	0.102 (2.59)	0.128 (3.25)
1 1/4	1.386 (35.20)	± 0.003 (± 0.08)	1.372 (34.85)	± 0.003 (± 0.08)	1.100 (27.94)	1.125 (28.58)	0.125 (3.18)	0.125 (3.18)	0.156 (3.96)
1 1/2	1.640 (41.66)	± 0.004 (± 0.10)	1.622 (41.20)	± 0.004 (± 0.10)	1.300 (33.02)	1.329 (33.76)	0.148 (3.76)	0.148 (3.76)	0.185 (4.70)
2	2.141 (54.38)	± 0.004 (± 0.10)	2.123 (53.92)	± 0.004 (± 0.10)	1.700 (43.18)	1.739 (44.17)	0.193 (4.90)	0.193 (4.90)	0.241 (6.12)

Temperature Derating Factors								
Working Temperature (°F)	73-80	90	100	120	140	160	180	200
Working Temperature (°C)	23-25	32	38	49	60	71	82	93
Pipe Derating Factor	1.00	0.91	0.82	0.65	0.50	0.40	0.25	0.20
Valve Derating Factor	1.00	0.95	0.90	0.80	0.70	0.61	0.53	0.45





## JOINING CPVC PIPES & FITTINGS



### CUTTING :

In order to make a proper and neat joint, measure the pipe length accurately and make a small mark. Ensure that the pipes & fittings are size compatible. You can easily cut with a wheel type plastic pipe cutter or hacksaw blade. Cutting tubing as squarely as possible provides optimal area within a joint.



### DEBURRING / BEVELING :

Burrs and filings can prevent proper contact between tube and fitting during assembly and should be removed from the outside and inside of the pipe. A pocket knife or file are suitable for this purpose. A slight bevel on the end of the tubing will ease entry of the tubing into the fitting socket.



### FITTING PREPARATION :

Using a clean, dry rag, wipe dirt and moisture from the fitting sockets and tubing end. The tubing should make contact with the socket wall 1/3 to 2/3 of the way into the fitting socket.



### SOLVENT CEMENT APPLICATION :

Use only CPVC cement or an all-purpose cement conforming to ASTM - 493 or joint failure may result. When making a joint, apply a heavy, even coat of cement to the pipe end. Use the same applicator without additional cement to apply a thin coat inside the fitting socket. Too much cement can cause clogged water ways.



### ASSEMBLY :

Immediately insert the tubing into the fitting socket, rotate the tube 1/4 to 1/2 turn while inserting. This motion ensures an even distribution of cement within the joint. Properly align the fittings. Hold the assembly for approximately 10 seconds, allowing the joint to set-up.



### SET AND CURE TIMES :

Solvent cement set and cure times are a function of pipe size, temperature and relative humidity. Curing time is shorter for drier environments, smaller sizes and higher temperatures. It requires 10 to 20 minutes for perfect joint.

## SOLVENT CEMENT AND CLEANER - HOW TO USE

### BEFORE BEGINNING :

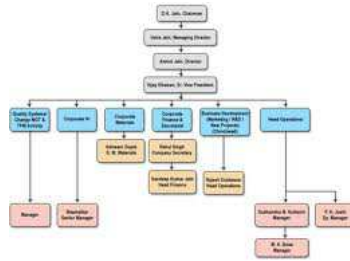
1. Verify the cement is the same as the pipe & fittings being used.
2. Check the temperature where the cementing will take place.
  - i. Cement take longer time to set up in cold weather. Be sure to allow extra time for curing. Do not try to speed up the cure by artificial means - this could cause porosity and blisters in the cement film.
  - ii. Solvents evaporate faster in warm weather. Work quickly to avoid the cement setting up before the joint is assembled. Keep the cement as cool as possible. Try to stay out of direct sunlight.
3. Keep the lid on cements, cleaner, and primers when not in use. Evaporation of the solvent will effect the cement.
4. Stir or shake cement before using.
5. Use 3/4" dauber on small diameter pipes 1 1/2" dauber up through 3" pipe, and a natural bristle brush, swab, or roller 1/2 the pipe diameter on pipes 4" and up.
6. Do not mix cleaner with cement.
7. Do not use thickened or lumpy cement. It should be like the consistency of syrup.
8. Do not handle joints immediately after assembly.
9. Do not allow daubers to dry out.
10. Maximum temperature allowable for CPVC pipe is 82°C.
11. All colored cements and cleaners will have a permanent stain: There is no known cleaning agent.
12. Use according to the step outline in ASTM D-2846, joining of pipes & fittings



## CHECK OUT THE DIFFERENCE

PERFORMANCE CHARACTERISTICS	CPVC	COPPER	G.I.
1. Pitting from aggressive water	No	Yes, may cause leaks	Yes, may cause leaks
2. Corrodes, allows scale build up	No	Yes, may be severe	Yes, may be severe
3. Condensation resistance	Very high	Below average May cause drip damage.	Below average May cause drip damage.
4. Pitting from soil condition	Never affected by soil	Yes, may be in some areas.	Yes, in most areas.
5. Water Flow	Water flow remains unaffected because there is no scale build up.	Can be reduced by scale formation.	Can be reduced by scale and corrosion.
6. Heat Retention	Very high CPVC is bad conductor	Low, Copper loses heat very rapidly as it is highly conductive.	Low, G.I. loses heat rapidly
7. Impact Strength	Superior	Distorts on impact	Distorts on impact
8. Water sound in pipes	Quiet	Noisy, Metallic Systems can resonate sound	Noisy, Metallic Systems can resonate sound
9. Fittings available	Wide range of fittings allows less joints.	Limited range and needs cutting and welding frequently.	Limited needs frequent jointing
10. Quality of Fittings	Fittings are made from same manufacturer using the same raw material quality of both guaranteed.	In this case pipes & fittings manufacturer are different. Quality of plumbing system may be affected.	Mostly pipes & fittings manufacturer are different. Quality of plumbing system may be affected.
11. Special Tools Required	Cutter or pocket knife and solvent cement required for total plumbing project.	Needs metal cutting touch, solder, brushes, personal protection kit etc.	Needs heavy tools for pipe cutting and threading.
12. Plumbing / Labour	Single plumber needed for plumbing.	Needs highly experience plumber and helpers.	Needs experienced plumber and labor for cutting and threading of pipe.
13. Price	Stable	Volatile	Variable Class A, B & C Pipes may cost very differently.

# PROCESS FLOW



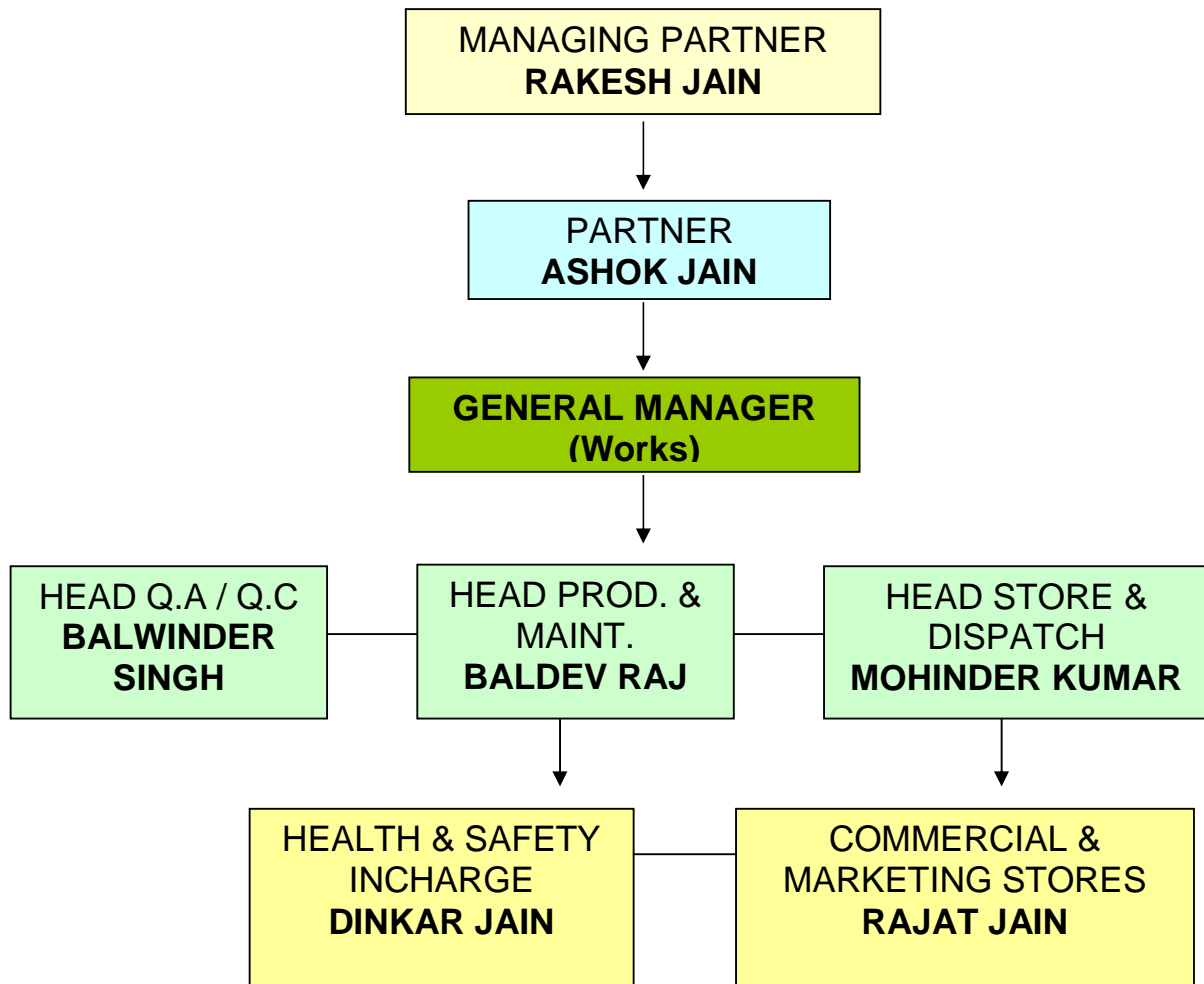
**&**

# QUALITY CONTROL



- ORGANIZATION CHART
- PROCESS FLOW CHART
- QUALITY ASSURANCE / INSPECTION PLANS
- QUALITY CONTROL EQUIPMENT

## ORGANISATION CHART

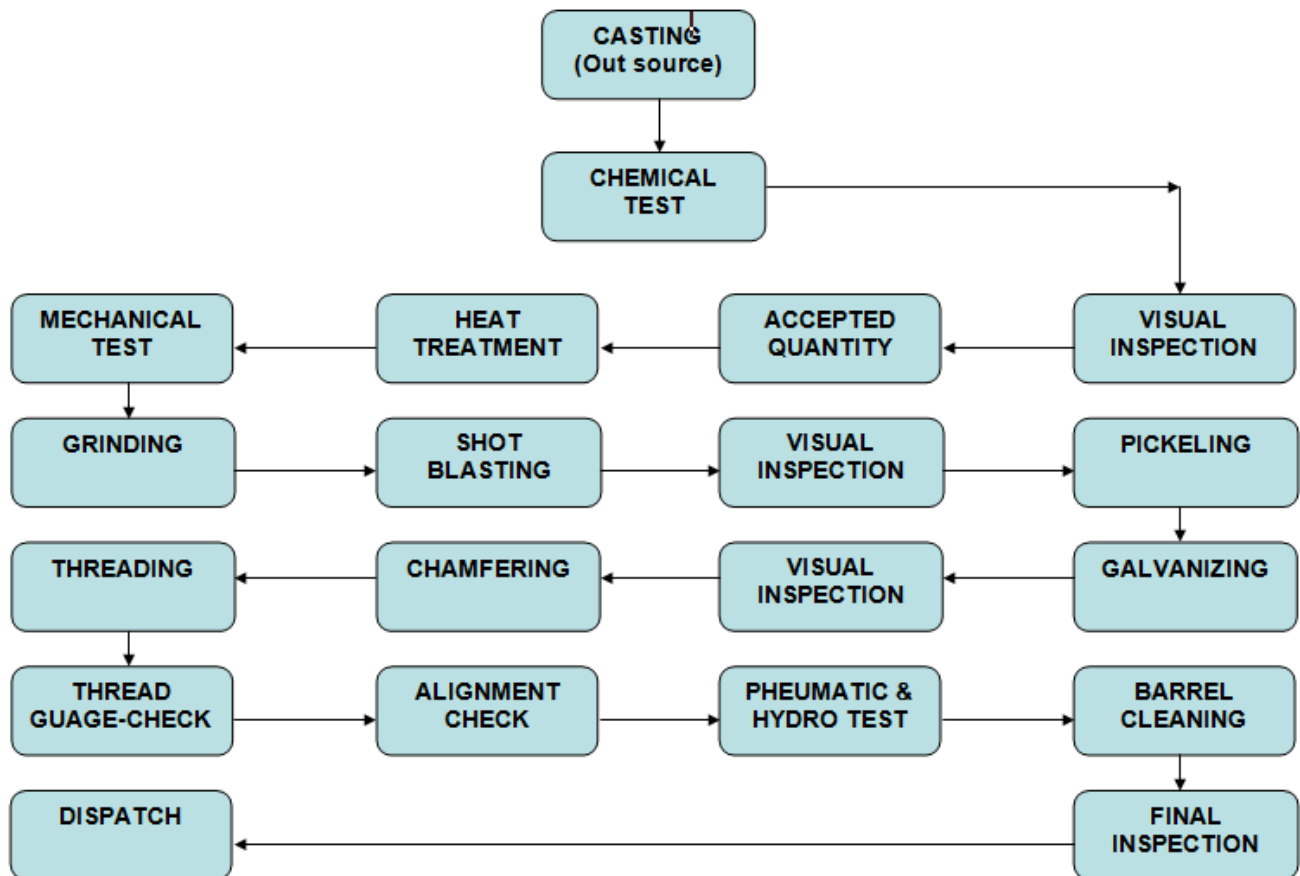


-----

Currently Marketing & Purchase Departments are jointly taken by Chief Managing Partner & Managing Partner jointly.

QAC/PROD/01 Dt. 03-11-2009

## PROCESS FLOW CHART



**NOTE: Rejections found in each check subject to melting**



JAINSONS INDUSTRIES (Regd)		M.M.E. CALIBRATION PLAN					QFM/QC/14 REV. STATUS : 01 Dated: 03-11-2009 Page 2 or 2					
Sr. No.	IMTE Description	Code/Sr.No.	Agency	Freq.	Std. Equipment	Method	Acceptance Criteria	Remarks				
JIGS FOR ALIGNMENT CHECKING												
A	PROFILE GAUGE		IN-HOUSE									
1	Set Square 90° (05Nos)	SS-90 (1-5)										
2	Set Square 89½° (02Nos)	SS- 89½° ( 1-2)		One Year	Combination Set	Comparison	0	12.05.2010				
3	Set Square 90½° (02Nos)	SS- 90½° ( 1-2)						12.05.2010				
PIPES FOR INTERNAL THREADED ITEMS												
1	½"	PIT- ½" (1-10)	IN-HOUSE	yearly	Thread Gauge	Comparison	As per IS:8999-2003	05.08.2010				
2	¾"	PIT -¾" (1-5)						05.08.2010				
3	1"	PIT - 1" (1-5)						05.08.2010				
4	1¼"	PIT- 1¼" (1-6)						05.08.2010				
5	1½"	PIT- 1½" (1-4)						05.08.2010				
6	2"	PIT - 2" (1-3)						05.08.2010				
7	2½"	PIT- 2½" (1-3)		2 Yearly				10.08.2010				
8	3"	PIT- 3" (1-3)						18.08.2010				
9	4"	PIT- 4" (1-3)						18.08.2010				
10	5"	PIT- 5" (1-3)						19.08.2010				
11	6"	PIT- 6" (1-2)						19.08.2010				
PIPES FOR EXTERNAL THREADED ITEMS												
1	½"	PIT- ½" (1-10)	IN-HOUSE	yearly	Thread Gauge	Comparison	As per IS:8999-2003	26.07.2010				
2	¾"	PIT -¾" (1-5)						26.07.2010				
3	1"	PIT - 1" (1-5)						26.07.2010				
4	1¼"	PIT- 1¼" (1-6)						26.07.2010				
5	1½"	PIT- 1½" (1-4)						01.08.2010				
6	2"	PIT - 2" (1-3)		2 yearly				01.08.2010				
7	2½"	PIT- 2½" (1-3)						15.08.2010				
8	3"	PIT- 3" (1-3)						15.08.2010				
9	4"	PIT- 4" (1-3)						15.08.2010				
Note : 1. Correction factor is applied if the instrument is not within the accuracy limit 2. All dimensional tolerance are in mm ( IS: 554-1995/ IS: 8999-2003) Code referred 3. QC Incharge responsible for calibration.												
Issued by								Approved by				

JAINSONS INDUSTRIES (Regd)			M.M.D. CALIBRATION PLAN				GPL/QC/04 REV. STATUS : 01 Nov. 30, 2006 Page 1 or 2 Acceptance Criteria			Calibration Due Date							
Sr No.	MMD Description	Code/Sr.No.	Agency	Freq.	Std. Equipment	Method				Remarks							
1	Vernier Caliper (0-200mm)	VC-01/223584	CHIT JALANDHAR	2 Years	Caliper Checker	comparision	± 0.05 mm										
2	P-Type Caliper (0- 10mm)	PTC - 01 / DC-01					± 0.05 mm										
3	P-Type Caliper (0- 100mm)	PTC - 02 / 007		± 0.05 mm													
4	Pyro- Meter (1-1200° C)	P-01 / 105554		± 10° C													
5	Combination Set 0-180°	CS-01 / 180 - 907		1/2 °													
6	Pressure Gauge	PG - 01/63954	SANT VALVES	4 years	master pressure gauge	± 0.5 Kg/cm <sub>2</sub>											
7	Pressure Gauge	PG - 01/1003															
8	Pressure Gauge	PG - 01/1002															
9	Pressure Gauge	PG - 01/63953															
PLUG GAUGE TAPPER THREADS AS PER IS: 554-1975 / 8999-1979 SYSTEM -B (BSPT)							W (mm)	Pitch (mm)	W (mm)	Flank a							
10	1/2"	PG- 01 / SK-6558	CHIT JALANDHAR	year	Micro meter	Comparison	± 0.013	± 0.008	+ 0.008 - 0.015	± 15'							
11	3/4"	PG- 02 / SR-1359								± 10'							
12	1"	PG- 03 / A- 428		2 years			± 0.015	±	0.01								
13	1 1/4"	PG- 04 / I-788															
14	1 1/2"	PG- 05 / R-242		3 years			± 0.018	±	0.02								
15	2"	PG- 06 / U-749															
16	2 1/2"	PG- 07 / I-722															
17	3"	PG- 08 / G-808															
18	4"	PG- 09 / A- 609															
19	5"	PG- 10 / A- 893															
20	6"	PG- 11 / A- 888															
RING GAUGE TAPPER THREADS AS PER IS: 554-1975 / 8999-1979 SYSTEM -B (BSPT)																	
21	1/2"	RG- 01 / AC-2267	CHIT JALANDHAR	year	Micro Meter	comparision		± 0.010	± 0.015	± 20'							
22	3/4"	RG- 02/ E - 8868								± 15'							
23	1"	RG- 03/ DS -2909		4 years			0.03 0.02 0.04 0.02	±	0.015								
24	1 1/4"	RG- 04/ DF -3922															
25	1 1/2"	RG- 05/ DA -6109															
26	2"	RG- 06/ DM -5132															
27	2 1/2"	RG- 07/ DS -2815															
28	3"	RG-08/ DF -7702															
29	4"	RG- 09/ DF -7704															
Note : 1. Correction factor is applied if the instrument is not within the accuracy limit 2. All dimensional tolerance are in mm (IS: 554-1975/ IS: 8999-1979 Code referred 3. QC Incharge responsible for calibration. 4. CHIT Refers Central Institute of Hand Tools																	
Prepared by :			Issued by				Approved by										

JAINSONS INDUSTRIES (Regd)		M.M.D. CALIBRATION PLAN				QFM/QC/14 REV. STATUS : 02 Dated : 7.09.2001 Page 2 of 2		
Sr. No.	IMTE-Description	Code/Sr.No.	Agency	Freq.	Std. Equipment	Method	Acceptance Criteria MMD CALIBRATION PG. 1	Remarks
<b>JIGS FOR ALIGNMENT CHECKING</b>								
A	<b>PROFILE GAUGE</b>		HOUSE					
1	Set Square 90° (05Nos)	SS-90 (1-5)		One Year	Set Square	Comparison	OO	
2	Set Square 89 1/2° (02Nos)	SS- 89 1/2° (1-2)						
3	Set Square 90 1/2° (02Nos)	SS- 90 1/2° (1-2)						
B	<b>PIPES FOR INTERNAL THREADED ITEMS</b>							
1	1 1/2"	PIT- 1/2" (1-10)	HOUSE	yearly	Thread Gauge	Comparison	As per IS:8999-1979	
2	3/4"	PIT -3/4" (1-5)						
3	1"	PIT - 1" (1-5)						
4	1 1/4"	PIT- 1 1/4" (1-6)						
5	1 1/2"	PIT- 1 1/2" (1-4)						
6	2"	PIT - 2" (1-3)		2 Yearly				
7	2 1/2"	PIT- 2 1/2" (1-3)						
8	3"	PIT- 3" (1-3)						
9	4"	PIT- 4" (1-3)						
10	8"	PIT- 8" (1-2)						
C	<b>PIPES FOR EXTERNAL THREADED ITEMS</b>							
1	1 1/2"	PIT- 1/2" (1-10)	HOUSE	yearly	Thread Gauge	Comparison	As per IS:8999-1979	
2	3/4"	PIT -3/4" (1-5)						
3	1"	PIT - 1" (1-5)						
4	1 1/4"	PIT- 1 1/4" (1-6)						
5	1 1/2"	PIT- 1 1/2" (1-4)						
6	2"	PIT - 2" (1-3)		2 yearly				
7	2 1/2"	PIT- 2 1/2" (1-3)						
8	3"	PIT- 3" (1-3)						
9	4"	PIT- 4" (1-3)						

the instrument is not within the accuracy limit

2. All dimensional tolerance are in mm ( IS: 554-1975/ IS: 8999-1979 Code referred

3. QC Incharge responsible for calibration.

Issued by \_\_\_\_\_ Approved by \_\_\_\_\_

# **CERTIFICATES & LICENCES**

- **ISO 9001:2008 CERTIFICATE**
- **ISI – LICENSE**
- **REGISTRATION CERTIFICATES**
  - a. **CENTRAL SALES TAX (CST)**
  - b. **VALUE ADDED TAX (VAT)**
  - c. **NSIC**
  - d. **SSI**
  - e. **CENTRAL EXCISE**
  - f. **FORM C – REGISTRATION OF FIRMS**
  - g. **DGS&D**
  - h. **EEPC**





# CERTIFICATE



**UL DQS Inc.**  
Management Systems Solutions

hereby certifies that the company

## **JAINSONS INDUSTRIES**

Basti Bawa Khel  
Kapurthala road  
Jalandhar -144021, Punjab.  
INDIA

has implemented and maintains a **Quality Management System**.

### Scope:

Manufacturing of Malleable & Ductile Iron Pipe Fittings and Marketing of Ball & Gate Valves for Industrial & Domestic Applications like Natural Gas, Air, Water & Fire Fighting.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

## **ISO 9001 : 2008**

Certificate Registration No. 20004750 QM08

Date of Certification 2010-03-05

Valid until 2013-03-04

Ganesh Rao  
President

1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA



भारतीय मानक ब्यूरो  
NORTHERN REGIONAL OFFICE  
Marks Department Chandigarh -III  
Chandigarh- 160022

Address: SGT 335-336,

Sector 34-A,

Phone : 0172-2664750,2601640

Fax : 0172- 2601640

E-mail : [mdch3@bis.org.in](mailto:mdch3@bis.org.in)

Web : <http://www.bis.org.in>

पंजीकृत/पावती

हमारा संदर्भ : मु. वि. 3 / एल -1180942

दिनांक : 2/5/2011

विषय : प्रमाणन मुहर लाइसेंस संख्या सी एम/ एल-1180942

का नवीकरण आई एस 1879:1987

M/s Jainsons Industries (Regd)  
Basti Bawa Khel,  
Kapurthala Road  
Jalandhar  
Punjab  
महोदय,

1. कृपया अपने नवीकरण के संदर्भ में भेजे गए आवेदन पत्र दिनांक 17-02-2011का अवलोकन करें। हमें यह जानकारी देते हुए प्रसन्नता है कि आपके प्रमाणन लाइसेंस का दिनांक 01-05-2011 से 30-04-2013 तक नवीकरण हो गया है।
2. कृपया ध्यान दें कि यह लाइसेंस उपरोक्त लिखी अवधि के बाद समाप्त हो जाएगा, अंतः आपसे अनुरोध है कि आप अपना लाइसेंस नवीकरण कराने के लिए आवेदन पत्र, नवीकरण आवेदन शुल्क, वार्षिक शुल्क तथा मुहरांकन शुल्क के साथ अगले नवीकरण की तिथि से कम से कम एक मास पूर्व भेजें।
3. लाइसेंस नवीकरण की पृष्ठांकन शीट संलग्न है। इसे कृपया आपके पास उपलब्ध मूल लाइसेंस के साथ जोड़ लें।

  
निदेशक/ प्रमुख

ATTACHMENT TO LICENCE NO. CML- 1180942

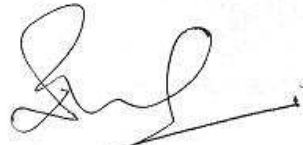
CML/NO	NAME OF THE LICENSEE WITH THE ADDRESS	NAME OF THE PRODUCT	IS NO.
1180942	<b>Jainsons Industries (Regd)</b> <b>Basti Bawa Khel,</b> <b>Kapurthala Road</b> <b>Jalandhar</b> <b>Punjab</b>	Malleable cast iron pipe fittings Grade BM-300 Equal : Elbow A1 , Socket M2 & Union UI size designation from ½ up-to & including 6 Equal Tee B1 size designation from ½ up-to & including 6 Reducing Elbow A1 size designation ¾ x ½ up-to & including 4x3 Reducing Socket M2 size designation ¾ x ½ up-to & including 6x5 Reducing Tee B1 size designation ¾x ½ x ¾ up-to and including 6x5x6 Cross C1, Side Outlet Elbow Za1 & Male Female Elbow A4 size designation from ½ up-to & including 2 Hex Nipple N8 size designation from ½ up-to & including 6 Back Nut P4 size designation from ½ up-to & including 1 ½ Reducing Bush N4 size designation ¾ x ½ up-to & including 2x1 ½ Plug T9 size designation from ½ up-to & including 2	IS 1879 : 1987

**ENDORSEMENT NO. 31 Dated.....2/5/2011**

Renewed for a further period of Two years from **First May Two Thousand and Eleven** to **Thirtieth April Two Thousand and Thirteen** .

Consequent upon the revision of Scheme of Testing and Inspection. DOC:STI 1879/8 OCT 2001 has been replaced by the revised scheme , DOC:STI 1879/9 March 2011 with effect from First March Two Thousand and Eleven.

Other terms and conditions of licence remain the same.



**SCIENTIST -E AND DIRECTOR**

*Duplicate*  
**The Central Sales Tax (Registration and Turnover)**  
**Rule 1957**

No. 7176

Form B (E & T No. 333)  
 (See Rule 5)

Monthly return  
 by 10th of each month

NEW RC NO. ALLETTED  
 - 33108811  
 1-1-88

Ward No. ....

**CERTIFICATE OF REGISTRATION**

Distt. ....

This is to certify that SH. KEMTI LAL JAIN carrying on business under  
 the name & Style of M. JAIN SONS INDUSTRIES whose  
 principal place of business within the State Punjab, E-30 Ind. Area is situated at  
Jalandhar City has been registered as a dealer under Section 7 (1)/7 (2) of the Central  
 Sales Tax Act 1956.

The business in :- manufacturing of Pipe Fitting & Hardware Goods  
 Wholly  
 Mainly Sale Trading  
 Partly  
 Partly

The class (es) of goods specified for the purpose of sub-section (1) of section 8 of the said  
 Act are follows and the sales of these goods in the course of inter State trade to the dealer shall be taxable at  
 the rate specified in the sub-section subject of the provision of sub-section (4) of the said section.

(a) For resale	(b) For use in manufacture	(c) For use in the execution of contracts
Gun Metal Brass Pipe Fittings Iron. Brass Zinc Machine	Reg Iron. wrought Iron other type of Iron metal Zinc Copper Iron metal & Iron Non metal. Mellesse Acid & Chemical oil furnace and Lubricant	

The dealers year for the purpose of account runs from day of 1st April To 31st March day of  
 The dealer has additional place of business has additional place(s) of business as stated below :

- (a) In the state of registration.  
 (b) In other States.

The dealer keeps warehouse at the following place within the state of registration :

1. Jochner Lawan Mohalla H. No 18A N. 2
2. Factory opp M. R. Kalia Industries KPT Road, Jalandhar
3. Presented with AA order of 22-3-79

This certificate is valid from 28-10-71 until cancelled.

Dated 11-11-71

● Strike out which is not applicable.

● Enter here wherein business is wholly agriculture training wholesale distribution retail distribution contracting  
 or catering etc. or any combination of two or more.

(Notified Authority)



D. I. 207.

# FORM C

[(Rule (9)]

No. 2692 of

19 1976-77.

## ACKNOWLEDGEMENT OF REGISTRATION OF FIRMS

The Registrar of Firms, Punjab acknowledges the receipt of the statement prescribed by section 58 (1) of the Indian Partnership Act, 1932. The statement has been filed and the name of firm M/s

Jainsons Industries, B-30, Industrial Area, Jullundur.

has been entered in the Register of Firms.

certified to be true copy.

Registrar of Firms & Societies, Punjab  
Chandigarh. *Kale* 17/11/78

*SR/-*  
(Gurbhawan Singh)  
Registrar of Firms  
Punjab.

CHANDIGARH

Dated the 2.11.78



# राष्ट्रीय लघु उद्योग निगम लिमिटेड THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.

(A Government of India Enterprise)

CIHT Campus, G.T. Road, Bye Pass, Opposite Shaheed Bhagat Singh Colony,  
Jalandhar-144008, Tele Fax : (0181) 2292242

Website: <http://www.nsic.co.in>, Email: [bojal@nsic.co.in](mailto:bojal@nsic.co.in)

## GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE

Ref. No.: NSIC/JAL/GP/20/(6)/88/122

Date: 27.07.2010

Factory Address:

M/s. Jainsons Industries (Regd.)  
Basti Bawa Khel, Kapurthala Road,  
Jalandhar.

-- SAME --

Name of the Proprietor/  
Partners/ Directors

1. Sh. Des Raj Jain
2. Sh. Kimti Jain
3. Sh. Ashok Jain

Certificate of Registration under Single Point Registration Scheme: The Unit registered under this scheme are considered to be at par with those registered directly with DGS & D.

4. Sh. Rakesh Jain

CONSTITUTION CODE :

3

GOVERNMENT PURCHASE REGISTRATION NO.:

NSIC/JAL/GP/RS/J-004/PB/88

MONETARY LIMIT: Rs. 193.00 Lacs (Rupees One Hundred Ninety Three Lacs only)

TURN OVER (in Rupees)

2006-07 - Rs. 377.09 Lacs

2007-08 - Rs. 381.83 Lacs

2008-09 - Rs. 385.86 Lacs

Your name has been registered as a SSI Unit eligible for participation in the Central Government Stores Purchase Programme as per the Single Point Registration Scheme for the following items/stores:

Name of the Stores CODE	Specification	Qualitative Capacity	Quantitative Cap. Per Month
AS PER ANNEXURE ENCLOSED			

This is in super session of our earlier Enlistment Certification dated 18.02.2008.

RENEWAL DUE ON 29.04.2012

Conditions overleaf.



Authorised Signatory

**NSIC** राष्ट्रीय लघु उद्योग निगम लिमिटेड  
**THE NATIONAL SMALL INDUSTRIES CORPORATION LTD.**

Branch Office: JALANDHAR

ANNEXURE TO GOVERNMENT PURCHASE REGISTRATION NO.

NSIC/JAL/GP/RS/J-004/PB/88

Dt. 27.07.2010

Issued to M/s. M/s Jainsons Industries (Regd.), Jalandhar

Name of the Stores CODE	Specification	Qualitative Capacity	Quantitative Cap. Per Month
1. Elbow Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	40500 Nos. 13500 Nos. 1200 Nos.
2. Tees Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	27000 Nos. 9000 Nos. 1200 Nos.
3. Crosses Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	20200 Nos. 6700 Nos. 1200 Nos.
4. Bends Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	40500 Nos. 13500 Nos. 1200 Nos.
5. Sockets Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	81000 Nos. 27000 Nos. 1200 Nos.
6. Unions Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	16200 Nos. 5400 Nos. 1200 Nos.
7. Bushes/Nipples Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	81000 Nos. 27000 Nos. 1800 Nos.
8. Cap Nut & Plugs Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	81000 Nos. 27000 Nos. 1800 Nos.
9. Back Nuts Or	IS-1879/1987 with amendment No. 1 to 8	15 to 50 mm 65 to 100mm 125-150 mm dia	81000 Nos. 27000 Nos. 1800 Nos.
10. Three way Elbow Or	IS-1879/1987 with amendment No. 1 to 8	½" to 2"	12000 Pcs.
11. Reducer Elbow Or	IS-1879/1987 with amendment No. 1 to 8	½" to 4"	12000 Pcs.
12. Reducer Socket Or	IS-1879/1987 with amendment No. 1 to 8	½" to 6"	10000 Pcs.
13. Reducer Tee Or	IS-1879/1987 with amendment No. 1 to 8	½" to 6"	10000 Pcs.
14. Reducer Hex Nipple Or	IS-1879/1987 with amendment No. 1 to 8	½" to 1"	12000 Pcs.
15. Male Female Elbow Or	IS-1879/1987 with amendment No. 1 to 8	½" to 2"	12000 Pcs.
16. Union Elbow	IS-1879/1987 with amendment No. 1 to 8	½" to 1 ¼"	6000 Pcs.

Renewal due on 29/04/2012



Authorised signatory



- Form no. 148

I. EM NUMBER (Part 1)

D D M M Y Y Y Y

--	--	--	--	--	--	--	--

M M Y Y Y Y

1	0	1	9	7
---	---	---	---	---

[illegible][illegible][illegible][illegible][illegible][illegible]

--	--	--	--	--	--	--	--	--

[illegible]

9	8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---	---



(v) WEB-SITE


3. NAME OF ENTERPRISE

J	A	I	N	S	O	N	S	I	N	D	U	S	T	R	I	E	S		

4. LOCATION OF ENTERPRISE

(i) VILLAGE / TOWN

B	A	S	T	I	B	A	W	A	K	H	E								
P	r	e	m	i	s	e	s	o	p	p	J	A	I	N	S	I	N		

CODE

Industrie

--	--	--	--

(ii) TEHSIL/TALUK  
MANDAL

J	A	L	A	N	D	H	A	R											

CODE

--	--	--	--	--	--

(iii) DISTRICT

J	A	L	A	N	D	H	A	R											

CODE

(iv) STATE

P	U	N	D	A	R														

CODE

--	--	--	--

(v) PIN CODE

--	--	--	--	--	--

(vi) AREA ; (RURAL - 1, URBAN - 2)

1
---

5. CATEGORY OF ENTERPRISE  
(MICRO - 1, SMALL-2, MEDIUM

2
---

6. NATURE OF ACTIVITY (Tick Appropriate Box (s))  
(i) MANUFACTURE

<input checked="" type="checkbox"/>
-------------------------------------

(ii) SERVICE

<input type="checkbox"/>
--------------------------

7. NATURE OF OPERATION  
(Perennial-1, Seasonal-2, Casual-3)

1
---

8. WHETHER THE UNIT IS AN ANCILLARY  
(Yes-1, No-2)

2
---

9. MONTH OF INSTALLATION OF PLANT & MACHINERY

M	M	Y	Y	Y	Y
0	2	1	1	7	7

10. WHETHER THE UNIT IS REGISTERED UNDER FACTORY ACT  
(Under Section-29 of the Factories Act, 1947)

3

11. TYPE OF ORGANIZATION

3

PROPRIETARY-1, HUF-2, PARTNER-3, CO-OPERATIVE-4

PVT. LTD. COMPANY-5, PUBLIC LIMITED COMPANY-6, SELF-HELP GROUP-7

12. (a) MAIN MANUFACTURING/SERVICE ACTIVITY

NAME 

G	I	P	E	F	I	T	T	I	N	G	S
---	---	---	---	---	---	---	---	---	---	---	---

CODE (NIC 98\*)

--	--	--	--

(b) PRODUCTS TO BE MANUFACTURED / SERVICE TO BE PROVIDED

(i) NAME 

B	R	A	S	S	/	B	R	-	N	Z	E	V	A	L	V	E	S
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CODE (ASIC2000\*)

--	--	--	--

(ii) NAME 

C	.	I	C	A	S	T	I	N	G	S							
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--

--	--	--	--

(iii) NAME 

V	A	L	V	E	S		O	F		A	L	L		T	Y	P	E	S
---	---	---	---	---	---	--	---	---	--	---	---	---	--	---	---	---	---	---

CODE (ASIC2000\*)

--	--	--	--

(iv) NAME 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CODE (ASIC2000\*)

--	--	--	--

(v) NAME 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CODE (ASIC2000\*)

--	--	--	--

(\*) Code for activities and products/service as per classification specified from to by the office of the Development commissioner (Small Scale Industries), to be filled in by District Industries Centre of the office where the Entrepreneurs' Memorandum is to be submitted.

(ADD ADDITIONAL SHEET FOR MORE PRODUCTS)

13. (a) INVESTMENT IN FIXED ASSETS [In Rupees lakh]

(i) LAND ( OWNED-01/RENTED-02/LEASED-03)

VALUE\*

0	1
---	---

		0	2
--	--	---	---

(ii) BUILDING (OWNED-01/RENTED-02/LEASED-03)

VALUE\*

4	1
---	---

--	--	--	--



- (a) Enclose a self-certified copy of Power of Attorney/Board Resolution/Society Resolution wherever applicable while signing as Partner/Managing Director or Authorised Person.
- (b) Enclose a certified/notarized copy of the Partnership Deed/Memorandum of Association/Articles of Association in case of Medium Enterprises.
- 

Undertaking

This is to certify that the information furnished in the Memorandum in form No \_\_\_\_\_ is true and correct to the best of my knowledge and belief. I/we have obtained approval/concent/license/permit from the concerned Ministry/Department of central Government/state Government/UT Administration as per statutory requirements.

DATE;  
PLACE;

For Jainsons Industries  
  
Partner

---

[SIGNATURE OF THE APPLICANT/AUTHORISED PERSON]



ACKNOWLEDGEMENT  
PART-II

Form No. 148

1. M/s Tain Son Industries HAS FILED MEMORANDUM FOR A Small  
(MANUFACTURING SERVICE) ENTERPRISE AT THE ADDRESS Best Bankher  
PER THE FACTS STATES IN FORM NO. 148 AND 148 ALLOCATED  
ENTREPRENEURS MEMORANDUM NO. BELOW:

2. DETAILS OF ITEM/ITEMS TO BE MANUFACTURED SERVICE TO BE PROVIDED

Sr. No.	Item of Manufacture type of service of To be rendered	Capacity in case manufacture	Initial date of production/ Commencement of service
1.	C.I. Pipe fittings		1/10/71
2.	Be 200 Be 200 valves		
3.	C.I. casting		
4.	Be 200 valves		
5.			

(Add additional sheet if required)

3. DETAILS OF PLANT AND MACHINERY AS PER DATE-WISE INVESTMENT

Sr. No.	Investment in Plant and Machinery/ equipment	Date of Investment
1.		
2.	As per list attached	
3.		

(Add additional sheet if required)

4. NOTE: THE ISSUE OF THIS ACKNOWLEDGEMENT DOES NOT BESTOW ANY LEGAL RIGHT. THE ENTERPRISE IS REQUIRED TO SEEK REQUISITE CLEARANCE/LICENCE/PERMIT REQUIRED UNDER STATUTORY OBLIGATION STIPULATED UNDER THE LAWS OF CENTRAL GOVERNMENT/STATE GOVERNMENT UT ADMINISTRATION/COURT ORDERS.

5. DATE OF CHANGE OF CATEGORY FROM MICRO/SMALL TO SMALL/MEDIUM OR VICE VERSA..

D	D	M	M	Y	Y	Y	Y

6. DATE OF ISSUE.

D	D	M	M	Y	Y	Y	Y
2	2	0	7	2	0	0	9

7. NATURE OF ACTIVITY  
MANUFACTURING-1, SERVICES-2.

8. CATEGORY OF ENTERPRISE  
(MICRO-1, SMALL-2, MEDIUM-3)

1
2

9. ENTREPRENEURS MEMORANDUM  
NUMBER

03	05	12	00	148
----	----	----	----	-----

[Fill two boxes in Part I and two boxes in Part II for the purpose of the category of enterprise. The category of enterprise is determined by the nature of the activity and the investment in the enterprise.]

NB.  
This E.M. No. issued in Lie  
16/07/06/92 24/2/78

General Manager  
Jalandhar Industries Centre  
Jalandhar



EEPC INDIA (Formerly Engineering Export Promotion Council)  
Sponsored by Ministry of Commerce & Industry, Government of India  
(An ISO 9001:2000 Organisation)

REGISTRATION-CUM-MEMBERSHIP CERTIFICATE  
(TO BE FILLED IN BY THE REGISTERING AUTHORITY)

- (1) Name of the Exporter : M/s. Jainsons Industries
- (2) IEC Number : 3093005159
- (3) (i) Address of Registered/Head Office : Basti Bawa Khel, Kapurthala Road, Jalandhar.
- (ii) Address of Branch office : -
- (iii) Address of Factory(s) : Basti Bawa Khel, Kapurthala Road, Jalandhar.
- (4) Date of establishment : 1971
- (5) Description of goods for which registered : Pipe Fittings: Elbow, Tee, Socket, Union Plug, Non Ferrous Metals Valves
- (6) Registration Number : EPC/J/R-1361/Engg. (SSI)
- (7) Registered as : (a) Manufacturer Exporter  
(b) Merchant Exporter  
(c) ~~Merchant Exporter-Manufacturer Exporter~~
- (8) Name(s) of Proprietor/Partner(s)/  
Director(s)/Karta : 1. Rakesh Chander Jain  
2. Ashok Jain  
3. Des Raj Jain  
4. Kimti Lal Jain
- This RCMC is valid upto 31-03-2012 and will have to be revalidated there after against payment of membership subscription (Subject to changes in new FTP)**

This certificate is issued as per the details of our records and is subject to the condition laid down in the relevant scheme of registration of this Council.

(Signature of the competent Officer of the E.P. Council)

Name OPINDER SINGH

Designation SR. ASSTT. DIRECTOR

Official Seal OPINDER SINGH

Sr. Asstt. Director  
EEPC INDIA, JALANDHAR

Valid/renewed up to 31.03.2014 Date of issue 13.04.2011

उप-क्षेत्रीय कार्यालय, प्लॉट कॉम 1, फोकल पॉइंट, जालंधर-144 004, इंडिया

फोन: ११-१८१-२६० २२६४ फैक्स: ११-१८१-२६० ११२४

Sub-Regional Office, Plot Comm.1, Focal Point Jalandhar 144 004, India

Tel 91 181 260 2264 Fax 91 181 260 1124 e-mail eepcjal@vsnl.com, jenggc@dataone.in, opinders@eepecindia.net website www.eepecindia.org

Regd. and Head Office: Baniya Bhavan (1st Floor), International Trade Facilitation Centre, 1/1 Wood Street, Kolkata 700 016, India

Tel 91 33 2289 0651/52/53 Fax 91 33 2289 0654 email eepcho@eth.net website www.eepecindia.org

Terrestrial Division New Delhi Regional Offices: New Delhi • Chennai • Kolkata • Mumbai Other Sub-Regional Offices Bangalore • Hyderabad Foreign Offices: Singapore • Chicago

# CUSTOMER SATISFACTION REPORTS



A sample Customer Satisfaction Report Card showing scores for various categories.

Customer Satisfaction Report Card	
Product Features & Functionality	99.5%
Product Training	97.2%
Customer Support	98.3%
eClaims	97.9%

&

# VENDOR APPROVAL CERTIFICATES



TO WHOM SOEVER IT MAY CONCERN

12<sup>th</sup> July, 2005

We hereby certify that M/s. Jaisons Industries, Jalandhar is one of the reputed and quality material supplier for G I Fittings as per ISI standard and we are buying the same since 10 years. We found quality material supplies as per ISI specification that meet our requirements timely.

For Jain Irrigation Systems Ltd.,

  
12/07

(Authorised Signatory)



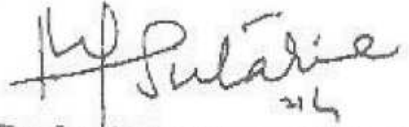


VADODARA MUNICIPAL CORPORATION  
GAS PROJECT OFFICE

GAS/ 1577 /2006-06.  
DATE : 25 / 07 / 2006.

**: TO WHOM SO EVER IT MAY CONERN :**

This is to certify that M/s. JAINSONS INDUSTRIES, Basti Bawa Khel, Kapurthala Road, Jalandhar - 144 021, (INDIA), the manufacturer and supplier of the JSI Mark G.I. Fittings. They supplies their fittings to us for our various applications for the last several years and they are proved to be fully satisfactory as per our specified qualities and required services.

  
Project Engineer (GAS),  
Municipal corporation,  
Vadodara.



**GUJARAT GAS COMPANY LIMITED**

Ref.: GGCL/CERT/JSI/002/2005

Date: 12.07. 2005

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **M/s.JAINSONS INDUSTRIES , BASTI BAWA KHEL, KAPURTHALA ROAD, JALANDHAR:** supplying GI fittings [size 1/2" BSPT to 1" BST] to Gujarat Gas Co.Ltd. since Last 1995 for Natural Gas Distribution Project.

Quality of the GI fitting and Performance of M/s. **JAINSONS INDUSTRIES** found satisfactory.

For GUJARAT GAS COMPANY LTD,

  
Authorized Signature



## GUJARAT GAS COMPANY LIMITED

Ref: GGCL/VD/VR/011/2005

11 August, 2005

To  
M/s Jain sons Industries  
Kapurthala Road  
Jalandhar - 144021

Kind Attn. : **Mr. Rakesh Jain**  
Subject : **Vendor rating for the period of January to June 2005**

Dear Sir,

As a part of our system and procedure, we give feedback to our Approved Vendors for their performance through Vendor Rating System. Frequency of the Vendor Rating is half yearly. We believe that the Vendor Rating System will improve the performance of the vendor and gives chance to look in to the areas where they were not been able to attend due to lack of concentrated efforts. Due to our ongoing project work, we were not in position to communicate the rating in time. Due to our ongoing project work, we were not in position to communicate the rating in time.

Following is the Vendor Rating for the period of January to June 2005.

Items supplied : GI Fittings	
Quality Rating, QR	100.00
Delivery Rating, DR	100.00
Quantity Rating, KR	100.00
Price Rating, PR	100.00
Service Rating, SR	77.78
<b>Vendor Rating, VR</b>	<b>94.45</b>

Well, for the period [January to June 2005] your vendor rating is **94.45%** which is Excellent. It is improve from last rating [July to December 2004] **83.22% Congratulation for the achieving of this rating.** We hope that you will maintain this and will put your effort to improve further in the coming year.

Please, feel free to contact us in case you need any suggestions/clarifications from our end, so we can mutually work towards improvement in your Vendor Rating & as well as our system.

Yours faithfully,

For Gujarat Gas Co. Ltd.,

  
**Ramesh Girase**

Associate Manager (Vendor Development)  
E-mail: ramesh.girase@gujaratgas.com



## ADANI ENERGY (GUJARAT) LTD.

(Formerly known as Gujarat Adani Energy Ltd.)

Opp. Maninagar Fire Station, Krishnabaug Cross Road, Maninagar, Ahmedabad - 380 008.

91-79-2545 0111, 2545 0888, 2545 0203, Fax : +91-79-2545 0303 E-mail : gael@adanigroup.com Website : www.adanienergy.in

### **VENDOR : JAISONS INDUSTRIES**

Dear Sir,

We are pleased to inform you that we have carried out Vendor Performance Assessment for the period from January 2006 to June 2006 as per our approved vendor evaluation system. Following criterion have been taken into consideration.

CRITERIA	SCORE OBTAINED (%)
Quality rating	100.00
Delivery rating	100.00
Quantity rating	100.00
Price rating	100.00
Service rating	95.00

Depending on all above criteria, you have been given **VENDOR RATING : 98.75%**

We are happy to say that your Vendor Rating is 98.75%, which is really outstanding. We are appreciating for that & we hope to sustain such performance in future.

Please feel free to contact us for understanding the rating system.

Thanking you,

Yours truly,

Adani Energy Ltd.

Authorized Signatory

Date : 30/6/2006.



ADANI GROUP

Regd. Office : "Adani House", Nr. Mithakhali Circle, Navrangpura, Ahmedabad-380 009, (India)

Tel : +91-79-25565 555, 25565 555 Fax : +91-79-25565 500 E-mail : gael@adanigroup.com Website : www.adanigroup.com



स्टील अथॉरिटी ऑफ इण्डिया लि.

बोकारो स्टील प्लांट

इस्पात भवन

बोकारो स्टील सिटी-827 001

जिला-बोकारो (झारखण्ड)

ग्राम बोक्स्टील, टेलीक्स 0628-201

फैक्स संख्या 06542-40359 दूरभाष सं०



G & M / G - 01

**STEEL AUTHORITY OF INDIA LTD.**

**BOKARO STEEL PLANT**

ISPAT BHAWAN

BOKARO STEEL CITY—827 001

DISTRICT-BOKARO (JHARKHAND)

GRAM. BOKSTEEL TELEX 0628-201

FAX NO. 06542-40359 TEL NO.

संदर्भ संख्या :

REF. No.

दिनांक :

DATE

R&VR/J-3024

MATERIALS MANAGEMENT DIVISION

M/S. JAINSONS INDUSTRIES  
BASTIC BAWA KHEL, KAPURTHALA ROAD  
JALANDHAR - 144021

VENDOR REGISTRATION CERTIFICATE

We have pleasure to register you as a vendor for BOKARO STEEL PLANT for the items/items listed below :

S/NO.	CATEGORY OF ITEMS(FOR SPECIFIED CAT.)	REMARKS
1)	G.I. MALLEABLE IRON PIPE FITTINGS AS PER IS:1879.	
2)	FORGED BRASS VALVES AND COCKS.	

REGN.NO. & DATE	SUPPLIER CODE	AREA CODE	STATUS CODE	VALIDITY
5022577 20.03.04	10484	02 JLR	5	MARCH, 2009

NOTE :

- We may not necessarily send all our enquiries for these items as and when we are in the market. This registration does not guarantee award of contracts.
- We reserve the right to demand from you such sureties as may be necessary as an earnest of your fulfilling contracts/supply orders which we may award you.
- We may eliminate your name from our panel without assigning any reason.
- It shall be your responsibility to apply for renewal of Registration on payment of stipulated renewal fee and production of requisite documents 90 days in advance before expiry of Registration period of keep your name in the register of approved suppliers.

EXECUTIVE DIRECTOR  
(MATERIALS MANAGEMENT)

# शहर व औद्योगिक विकास महामंडळ (महाराष्ट्र) मर्यादित

## निदेशित कार्यालय :

नेर्मल, दुसरा मजला, नरीमन पॉईंट,  
बई - ४०० ०२९.

रखणी : ००-९९-२२-२२०२ २४८९ / २२०२ २४२०

फैक्स : ००-९९-२२-२२०२ २५०९

## मुख्य कार्यालय :

'सिडको' भवन, सी.बी.डी., बेला  
नवी मुंबई - ४०० ६९४.

दूरध्वनी : ००-९९-२२-५५९९ ८९१

फैक्स : ००-९९-२२-५५९९ ८९१

दर्भ क्र.:

NO.CIDCO/EE (PP & C)/P-110

दिनांक :

3/ 09/2004

To,

M/s Jainsons Industries,  
Basti Bawa Khel, Kapurtala Road,  
Jalandhar 144 021 (India).

### **Sub: Registration as an approved vendor.**

Dear Sir,

We refer to your request/ application on subject matter, we are pleased to inform you that you are enlisted as approved Vendor for our projects/works for the following products.

Material description	Material/range
GI Pipe Fittings for water supply	GI Malleable Iron Fittings (for water supply Pipes ) IS 1879 : 1987

- The validity of this enlistment is for **Two Years** i.e. up to **31<sup>st</sup> August 2006**. However, the Corporation reserves the right to cancel the same in case complaints are received from users within that period.
- The product shall be in conformity with requirements of BIS Standards. You shall keep your BIS registration valid and any changes in the same shall be intimated to this office.



**Fire & Security Association of India**



**Fire Protection Association of India**





Alibaba.com Gold Supplier







## CONTACT US

### **JAINSONS INDUSTRIES**

<b>Address</b>	<b>:</b>	<b>Basti Bawa Khel, Kapurthala Road, Jalandhar - 144 021 (Punjab) INDIA</b>
<b>Phone</b>	<b>:</b>	<b>+91 -181 2651431, 2651733, 5093433</b>
<b>Fax</b>	<b>:</b>	<b>+91 -181-2650642</b>
<b>Email</b>	<b>:</b>	<b>info@jainsonsindustries.com ; jsi@vsnl.com</b>
<b>Web</b>	<b>:</b>	<b>www.jainsonsindustries.com / www.pipefittings.in</b>

