

DI PIPES & FITTINGS



10+ years of the experience in
ferrous & non-ferrous metals

www.onetouchexim.com

EXPORTER OF
FERROUS & NON-FERROUS METALS



With an outstanding range of steel products, One Touch Exim Engage in manufacturing and supplying high-quality SS metal products with a robust mix of experience over the decades. Our product range includes various types of steel tubes, tubing & pipes, stainless steel shim, welded pipes, steel pipe fittings, and more.

We have a strict quality control approach to ensure that every product we manufacture and supply must meet industry standards and customer expectations.

We make a global presence with our quality products, commitment & on-time delivery. Our dedicated team of procurement and logistics works 24/7 to support the Marketing team. As a result of buying & selling non-ferrous metal for many years, OneTouchexim has established itself as an outstanding worldwide procurement network, trader & distributor. We manage a huge inventory of metals starting from Stainless Steel, Alloy Steel, Brass & Bronze from the raw material to the finished product.

We offer a platform where small customers can buy a wide range of products with MOQ & we consolidate for them. Our client looking at us as a one-stop solution for all categories of metals. OneTouchexim helps beyond the range on special occasions to find the best match of product. We aim to provide the right product at the right price & the right time.



Our Mission

To manufacture and supply high-quality steel products and services that meet the needs of the customers with minimal environmental impact. Building trust and long-term relationships for achieving goals effectively. We also believe that our success is tied to the success of our employees, stakeholders, & communities.



Our Vision

Expanding global presence through strategic partnerships and acquisitions to better serve customers and create sustainable growth. We believe that through dedication, hard work, and cooperation we will be able to create a bright future for everyone.

**Accountability**

We have our trusted supply chain to promise delivery on time. We accept our individual and team responsibilities to meet our commitments & take responsibility for our performance in all of our decisions and actions. We take care of accountability for our precious clients doesn't matter when they start working with us.

**Cooperation**

Good mutual cooperation across positions and departments is the basis for a pleasant working atmosphere in which employees feel good about themselves and what they are doing. The outmoded oppositions between production and maintenance, factory and administration, and production and sales no longer have any places.

**Innovation**

We are creative in delivering value to our fellow associates, customers, shareowners, manufacturers, and the community. We anticipate change and capitalize on the many opportunities that arise. Innovation is a continual process that requires ongoing monitoring, testing, and leadership to minimize risks and optimize outcomes.

**Positive Change**

Embracing and capitalizing on change, recognizing that every employee must be empowered to stimulate continuous improvement in all aspects of our business. Positive change encourages innovation, develops skills, develops staff and leads to better business opportunities, and improves staff morale.

**Professionalism**

We strive to fulfill our responsibilities to the highest possible standards throughout. Employers want new workers to be responsible, ethical, and team-oriented, and to possess strong communication, interpersonal, and problem-solving skills. Wrap these skills up all together and you've got professionalism.

10+ years of experience

**Leadership**

We encourage leadership among employees to develop and maintain a talent pool. Life, Health, and Environment. We seek to improve our well-being, our working conditions, and the surroundings in which we live. This is different from traditional leadership where the leader's main focus is the thriving of their company or organization.

**Teamwork**

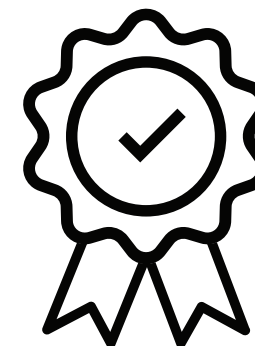
A modern company must be based on teamwork and mutual trust, on striving together for continuous improvement. Our team is supportive of each other's efforts, loyal to one another, and cares for each other both personally and professionally. We work together toward a collective goal in an efficient manner.

**Empowerment**

To empower our talented people to take the initiative and to do what's right. Customer service empowerment involves encouraging and authorizing customer service representatives to make decisions that can ultimately benefit both the customer and the company with the help of employee experience.

**Open communication**

All team members are encouraged to openly share their opinions and views. Open communication between senior managers & other workers helps to express their ideas, issues & thoughts with one another in a steady, honest, transparent, and reliable manner. This way, teams can avoid surprises, resolve conflicts, and collaborate better.

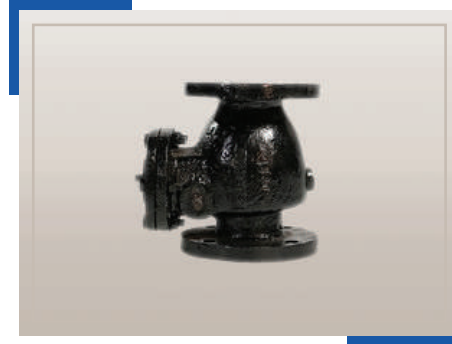




AIR VALVES H-40 | DS-1



FIRE HYDRANT VALVES



NON RETURN VALVES



FOOT VALVES



BUTTERFLY VALVES



SLUICE VALVES



MULTIDOOR VALVES



FIRE HYDRANT VALVES



AF TEE



AS Y TEE



UPVC FITTINGS



D F REDUCER



ECCENTRIC TAPER
DF



D F BEND
11.25 Degree



AS TEE



D F DUCKFOOT BEND



DS BEND
45 DEGREES EPOXY COATED



DS BEND OPVC
11.25 DEGREES



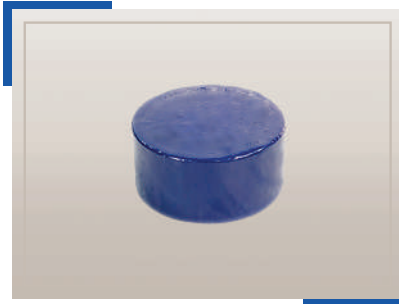
DSBF TEE



DI DS BEND
11.25 DEGREES



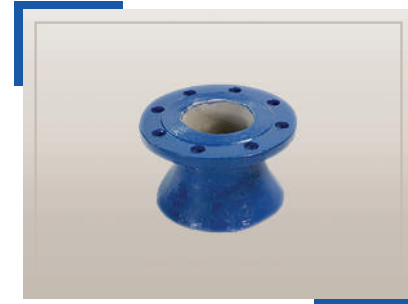
PLUG



CAP



D S REDUCER



BELLMOUTH



MECHANICAL JOINT
BEND - M / J



FLANGE SPIGOT



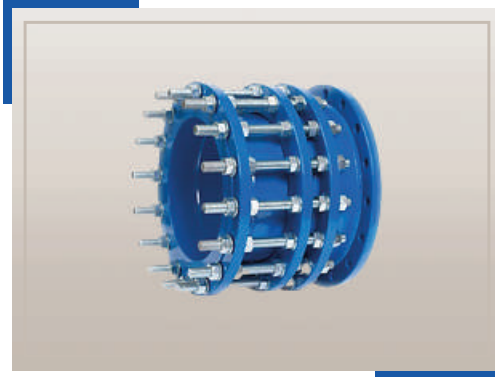
COLLAR TYTON
STANDARD



FLANGED SOCKET



FLANGE ADAPTERS



DISMANTLIN JOINTS



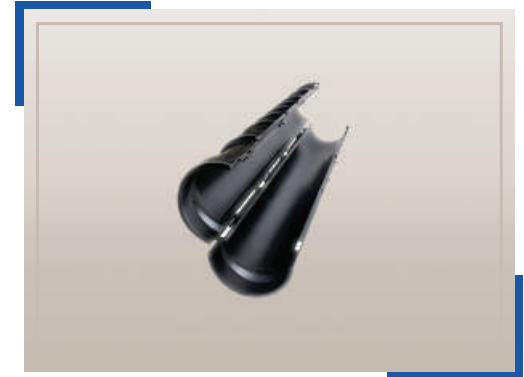
D I FITTINGS



STRAINERS



NOZZLE PIPES



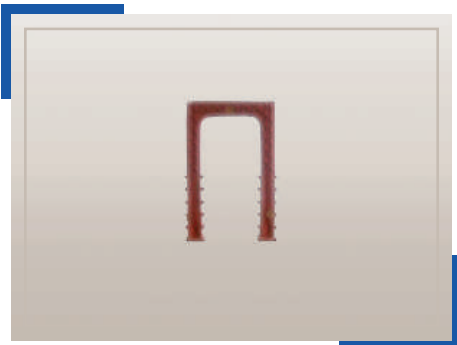
NOZZLE PIPES



SURFACE BOX
DUCTILE IRON



GRATINGS
DUCTILE IRON



FOOTSTEPS
DUCTILE IRON



MANHOLE COVERS
AND FRAMES DUCTILE IRON



DI DF PUDDLE PIPES



DF PUDDLE PIPES



DI PIPES

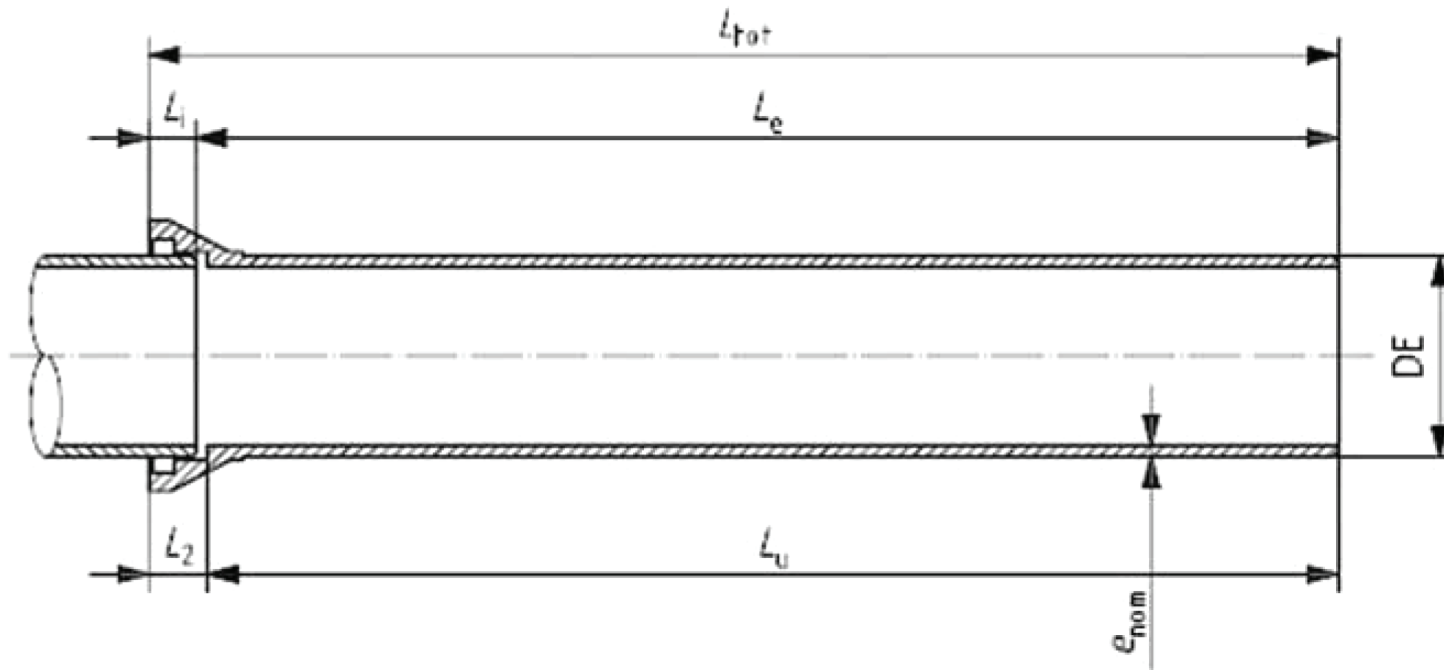
Mechanical Properties of DI Pipes

Mechanical Properties	Values
Tensile Strength	Min. 4,200 Kg/cm ² or 420 MPA
Yield Strength	3,000 Kg/cm ² or 300 MPA
Minimum Elongation	10% (upto DN 1000 mm)
Modulus of Elasticity	1.62 x 10 ⁶ - 1.70 x 10 ⁶ Kg/cm ² or 162,000 - 170,000 MPA
Hardness	Max. 230 BHN
Density	7,050 Kg per cubic meter
Coefficient of Thermal Expansion	11.5 x 10 ⁻⁶ per degree celcius (°C) (for temperature range 20 ⁰ C - 100 ⁰ C)
Impact Strength	At Normal Temperature - 7 ft-lb (minimum) & At Low temperature - 3 ft-lb (minimum)

Angular Deflection of DI Pipes

Diameter Range (DN)	Angular Deflection
Dn 80 - DN 150	5°
Dn 200 - DN 300	5°
Dn 300 - DN 600	3°
Dn 700 - DN 800	2°
Dn 900 - DN 1000	1.5°
Dn 1100 - DN 1200	1°

Dimension Details



Key

OL = overall length in meters;
 DOS = depth of socket in meters;
 L_u = OL - DOS; standardized length in meters;

e = nominal wall thickness in mm;
 DE = nominal external diameter of spigot in mm;

FOR VARIOUS CLASSES OF DI PIPES PUSH ON JOINT

Nominal Diameter DN (mm)	External Diameter		Nominal Pipe Wall Thickness, e (mm) - Various Classes of Pipes								
	DE (mm)	Limit Deviation mm	C 25	C30	C40	C50	C64	C100	As Per BSEN - 598 (Pressure Pipe)	K7	K9
80	98	+1 / -2.7			4.4	4.4	4.4	4.8	4.8	5.0	6.0
100	118	+1 / -2.8			0.4.4	4.4	4.4	5.5	4.8	5.0	6.0
125	144	+1 / -2.8			4.5	4.5	4.8	6.5	4.8	5.0	6.0
150	170	+1 / -2.9			4.5	4.5	5.3	7.4	4.8	5.0	6.0
200	222	+1 / -3.0			4.7	5.4	6.5	9.2	4.9	5.0	6.3
250	274	+1 / -3.1			5.5	6.4	7.8	11.1	5.3	5.3	6.8
300	326	+1 / -3.3		5.1	6.2	7.4	8.9	12.9	5.6	5.6	7.2
350	378	+1 / -3.4	5.1	6.3	7.1	8.4	10.2	14.8	6.0	6.0	7.7
400	429	+1 / -3.5	5.5	6.5	7.8	9.3	11.3	16.5	6.3	6.3	8.1
450	480	+1 / -3.6	6.1	6.9	8.6	10.3	12.6	18.4	6.7	6.6	8.6
500	532	+1 / -3.8	6.5	7.5	9.3	11.2	13.7	20.2	7.0	7.0	9.0
600	635	+1 / -4.0	7.6	8.7	10.9	13.1	16.1	23.8	7.7	7.7	9.9
700	738	+1 / -4.3	8.8	9.9	12.4	15.0	18.5	27.5	9.6	8.4	10.8
750	790	+1								8.8	11.3
800	842	+1 / -4.5	9.6	11.1	14.0	16.9	21.0		10.4	9.1	11.7
900	945	+1 / -4.8	10.6	12.3	15.5	18.8	23.4		11.2	9.8	12.6
1000	1048	+1 / -5.0	11.6	13.4	17.1	20.7			12.0	10.5	13.5
1100	1152	+1 / -6.0	12.6	14.6	18.6	22.6			14.4	11.2	13.5
1200	1255	+1 / -6.2	13.6	15.8	20.2	24.5			15.3	11.9	15.3

Mechanical Properties of DI Pipes	
Product	Ductile Iron (DI) Pipes suitable for Push-on-Joints*
Size Range	DN DN 80 to 1200
Class of DI Pipes	C20, C25, C30, C40, C50, C64, C100, PP, K-7 & K-9
Standard Length (in Meters)	5.5
Internal Linings	- Cement Mo tarr Lining of OPC / BFSC / SRC / HAC
	- Cement Lining with Epoxy Seal Coat
	- Cement Lining with Bituminous Seal Coat
External Coating - 1	- Zinc Coating (130 grm/m ²)
	- Alloy of Zinc & Aluminium (ZnAl) with minimum mass of 400 grm/m ²
External Coating - 2	- Bitumen Coating
	- Blue Epoxy
	- Red Epoxy
Outside OnSite Protection	Polyethylene Sleeving
Coating of Joint Area	Bitumen / Epoxy as per customer requirement
Conforming Specifications	- EN 545:2010 / EN 545:2006
	- ISO 2531:2009 / ISO 2531:1998
	- EN 598:2007 / ISO 7186:2011
	IS 8329 : 2000



We have already delivered our consignment to more than 50 countries.

Thank you. For your valuable time!

Contact Us

and let one of our friendly staff help with your requirements.

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