



Insta Pressfit®
Pressfit Quality & Purity

PURITY_●

PRESSED INTO EVERY CONNECTION

316L & 304 Grade

Stainless Steel Plumbing Pipes & Fittings



COIL BIS • 15997:2012
CM/L-9512503820



PIPES BIS • 17876:2022
CM/L-9100235009



CORROSION
RESISTANT



LEAK
PROOF



BUILT FOR
GENERATIONS

WWW.INSTAPRESSFIT.COM

About Insta PressFit®

Insta PressFit® is a brand built on precision, performance and trust. Our range of stainless steel pipes and press fittings are designed to deliver unmatched reliability for modern plumbing systems.

Why Insta PressFit®?

Our pressfit solutions are crafted from premium stainless steel and engineered for leak-proof, corrosion-resistant and maintenance-free performance — built to last for generations.



Corrosion Resistant

Built to withstand harsh environments and ensure long-term durability.



Leak Proof

Advanced pressfit technology ensures zero leakage and maximum safety.



Built For Generations

High-quality stainless steel ensures strength, reliability and a long service life.



Quality Assured

Every product is manufactured with precision and tested for superior performance.



Material Grades

316L

Premium grade for superior corrosion resistance and hygienic applications.

304

Reliable and versatile for general plumbing and industrial use.

Application



Residential Plumbing



Commercial Projects



Industrial Applications



Water Distribution



Hot & Cold Systems

From The CEO's Desk

Dear Friends,

As the CEO of a leading stainless-steel pipes & fittings manufacturing company, I bring over two decades of proven success in guiding ventures and reshaping industry landscapes.

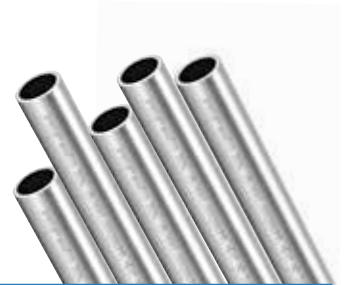
My expertise spans business development, management, team leadership, channel management, and institutional sales. With a steadfast commitment to excellence, our company continues to reach new milestones through strategic vision, innovation, and strong relationships. Together with our dedicated team, we strive to deliver products that embody superior quality, reliability, and long-term performance.

At **Insta PressFit®**, we believe that every product we manufacture reflects our commitment to engineering excellence, customer trust, and continuous improvement. Our goal is not merely to meet industry standards—but to set new benchmarks.

Together, we are building a stronger, smarter, and more sustainable future for the plumbing industry.



Nimit Varshney
Chief Executive Officer



Our Strategic Partnership with Hisar Metal Industries Ltd.

Exceptional products begin with exceptional materials. At **Insta PressFit®**, we have partnered with Hisar Metal Industries Ltd., one of India's most respected stainless steel manufacturers, to ensure every pipe and fitting is built on a foundation of uncompromising quality.

With over 35 years of manufacturing excellence, Hisar Metal has earned a reputation for producing premium stainless steel coils and sheets that meet the highest national and international quality standards. Their state-of-the-art manufacturing facilities and rigorous quality assurance processes perfectly complement our commitment to precision engineering.



In pursuit of excellence

www.hisarmetal.com

This strategic collaboration empowers **Insta PressFit®** to manufacture stainless steel press-fit piping systems that deliver superior strength, exceptional corrosion resistance, dimensional accuracy, and dependable long-term performance across residential, commercial, and industrial applications.

By combining Hisar Metal's metallurgical expertise with InstaPressfit®'s advanced manufacturing and engineering capabilities, we create plumbing solutions that professionals trust and generations rely on.

Together, we're engineering quality that stands the test of time.



The Smarter Choice for Modern Plumbing

Suitable for potable water (IS 10500) applications

Manufactured from premium 316L & 304 Stainless Steel, **Insta PressFit®** piping systems are specifically designed to preserve water purity. Their hygienic and corrosion-resistant properties ensure clean and safe drinking water for years to come.



Purity

Manufactured from premium 316L & 304 Stainless Steel, **Insta PressFit®** is corrosion-resistant, chemically inert, and naturally inhibits algae, fungi, and bacterial growth—ensuring safe and reliable drinking water.



Hygiene

The smooth, non-porous stainless steel surface prevents scaling, rust, and odours, delivering clean, hygienic water throughout the system's lifetime.



Quality & Innovation

Engineered with advanced manufacturing technology and strict quality control, **Insta PressFit®** offers superior strength, precision, and leak-proof performance for long-lasting reliability.



Quick & Easy Installation

Our press-fit system eliminates welding and threading, enabling faster, safer, and hassle-free installation using hydraulic crimping tools.

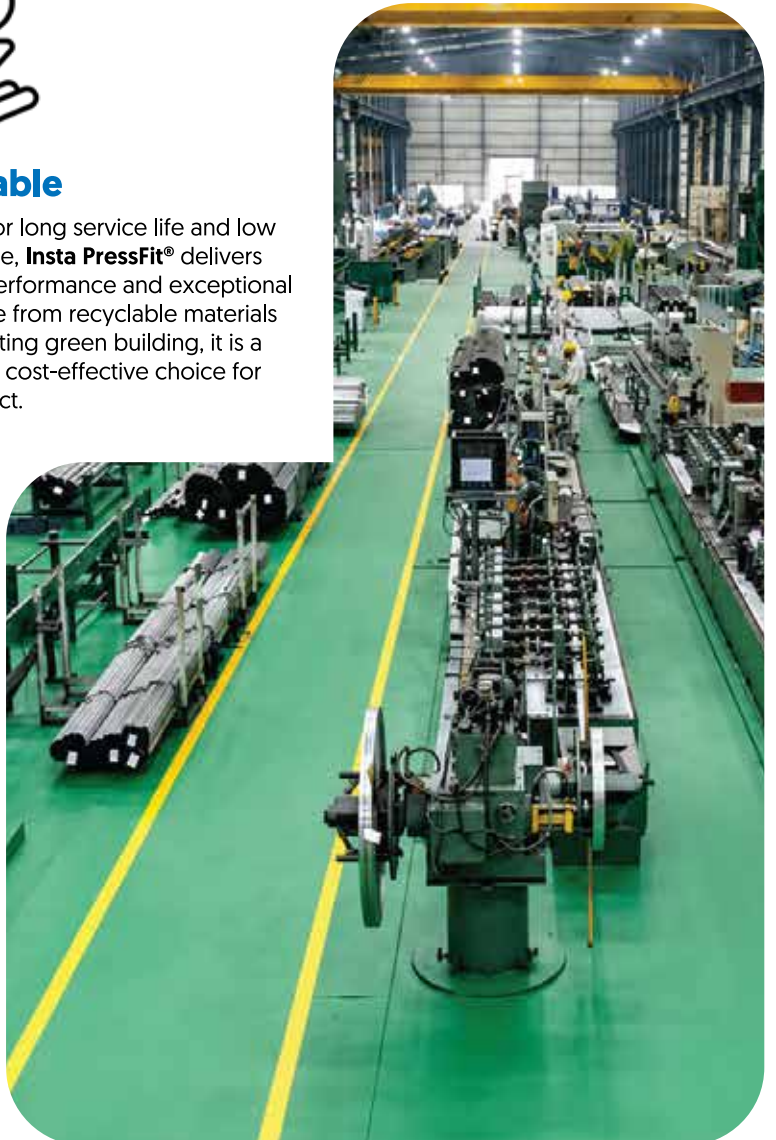


Affordable

Designed for long service life and low maintenance, **Insta PressFit®** delivers premium performance and exceptional value. Made from recyclable materials and supporting green building, it is a sustainable, cost-effective choice for every project.

Why Professionals Choose Insta PressFit®

- Safe for drinking water (IS 10500)
- Superior corrosion resistance
- Hygienic, odour-free water flow
- Leak-proof press-fit technology
- Faster, cleaner installation
- Low maintenance and long service life
- Exceptional value for money



Built for Performance. Engineered for Life.

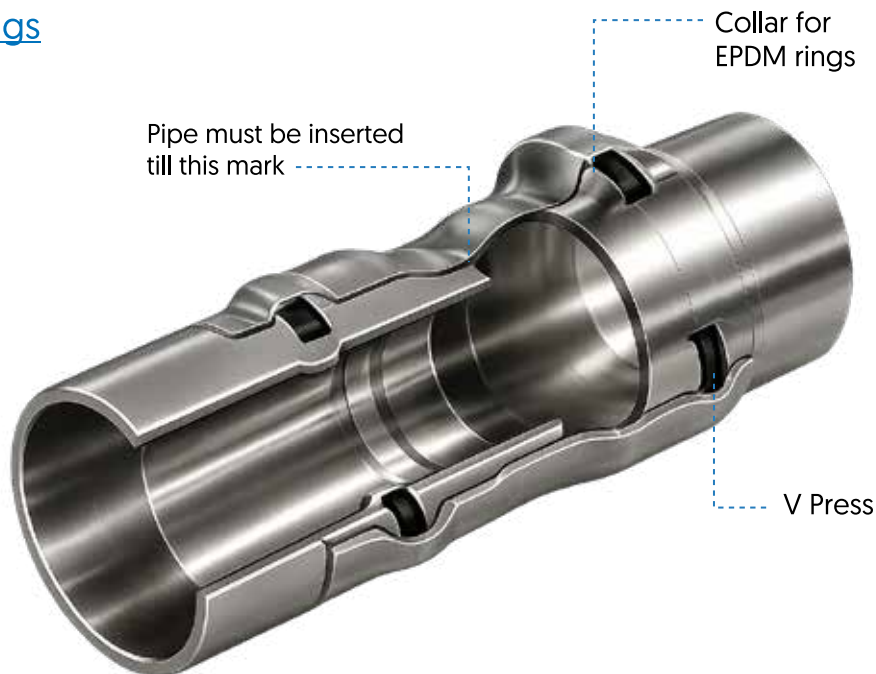
Insta PressFit®

EN 316L & JIS 304 Stainless Steel Plumbing System

Insta PressFit® is a high-performance plumbing solution featuring premium EN 316L & JIS 304 stainless steel pipes and press fittings. Designed for reliable water distribution across residential, commercial, industrial, hospitality, healthcare, and infrastructure projects, the system delivers exceptional durability, corrosion resistance, and long-term performance.

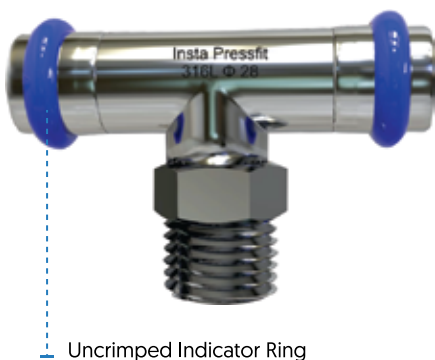
Available in a comprehensive range of sizes to meet Indian plumbing standards, **Insta PressFit®** offers a modern, leak-proof solution for today's demanding applications.

V Press Fittings



Insta Pressfit® Uncrimped Fitting Indicator (IUFI) Technology

Tee



Elbow

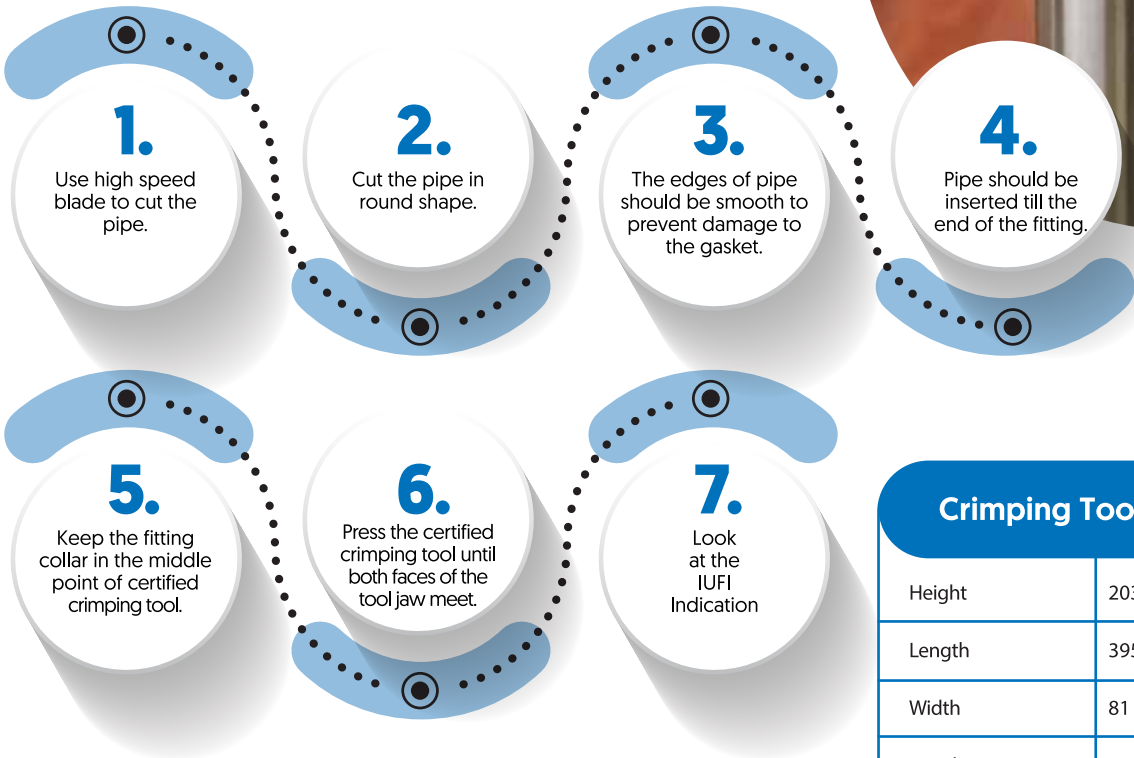


Female Elbow

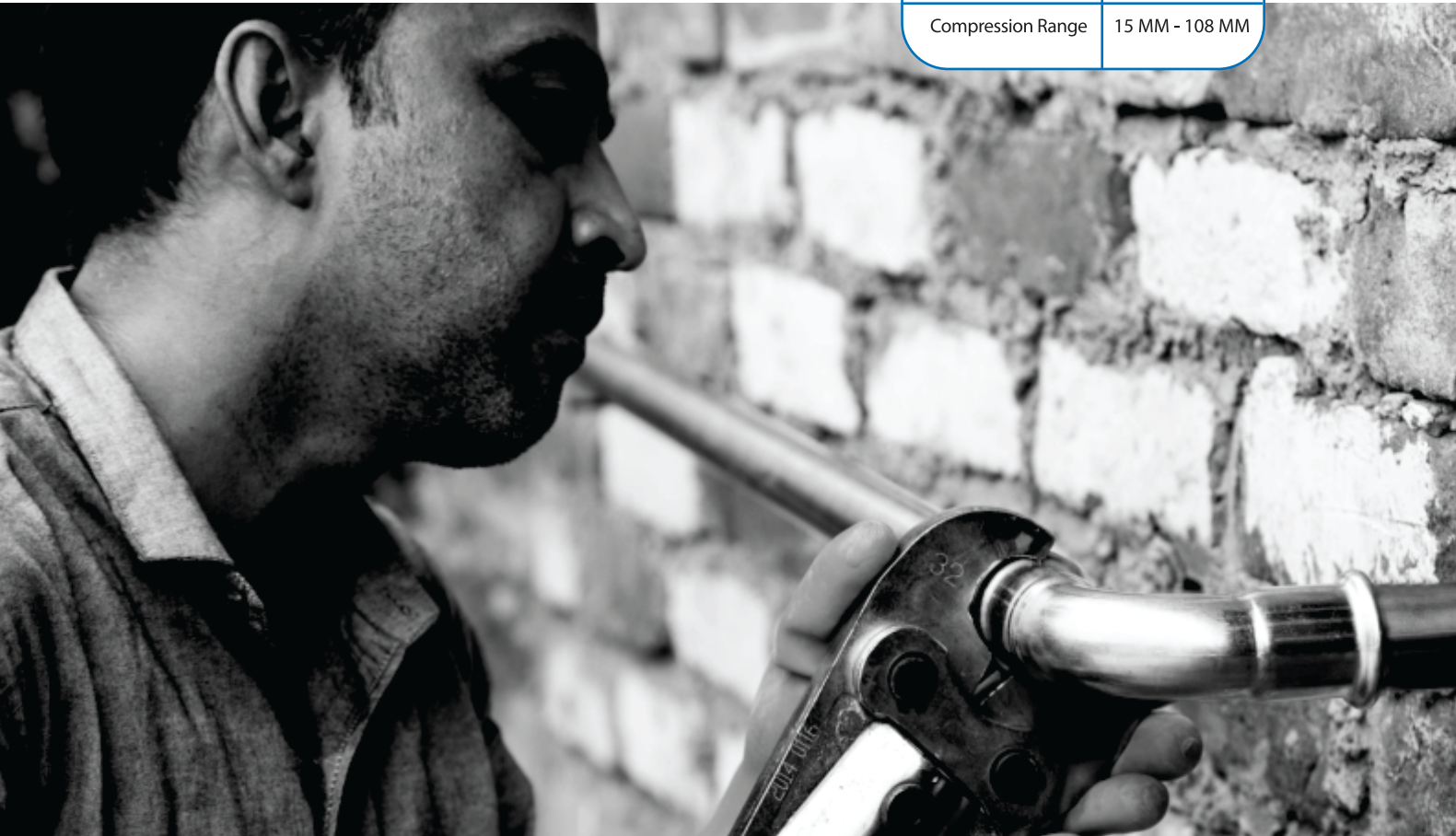


Designed for Seamless Installation

Easy steps. Superior performance.



Crimping Tool	
Height	203 MM
Length	395 MM
Width	81 MM
Weight	3 KG - 15 KG
Compression Range	15 MM - 108 MM



- Maximum chloride level upto 200 ppm and Maximum free chlorine upto 2 ppm in 304 grade
- Maximum chloride level upto 1000 ppm and Maximum free chlorine upto 2 ppm in 316L grade

Technical Specifications

Insta PressFit® Pipes Dimension Chart

JIS 304

Pipe Size	Pipe Outer Diameter (MM)	Pipe Wall Thickness (MM)
1/2"	15.88	0.80
3/4"	22.22	1.00
1"	28.60	1.00
1-1/4"	34.00	1.20
1-1/2"	42.70	1.20
2"	48.60	1.20
2-1/2"	76.10	1.50
3"	88.90	2.00

*Pipe as per JIS 3448

EN 316 L

Pipe Size	Pipe Outer Diameter (MM)	Pipe Wall Thickness (MM)
1/2"	15.00	1.00
3/4"	22.00	1.20
1"	28.00	1.20
1-1/4"	35.00	1.50
1-1/2"	42.00	1.50
2"	54.00	1.50
2-1/2"	76.10	2.00
3"	88.90	2.00

*Pipe as per EN 10312

EPDM (Ethylene Propylene Diene Monomer) details for Water Plumbing

Material	Percentage	Function
EPDM Rubber	32.00%	
Filler [Calcium Carbonate]	16.00%	Stabilize, Avoid D-shaped rubber
Reinforce [N330, N550]	31.20%	Provide crack resistance
Softener [Paraffin Oil No.-300]	15.20%	Avoid penetration due to moisture
Accelerator	01.12%	Provide high physical property
Vulcanizer	00.64%	Provide weather and aging resistance
Other	03.84%	To give shape
Total	100.00%	

Other O-Ring Details

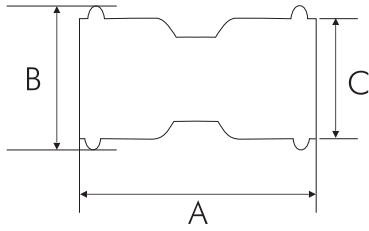
Material	Colour	Temp.	Function	Usage
Fluoro Rubber	Brown	-30°C - +170°C	16	Steam/high-temperature hot water • Gas Fuel Oil
HNBR	Yellow	-40°C - +150°C	16	Steam/high-temperature hot water • Gas Fuel Oil

NOTE: In case of special requirements please specify in purchase order



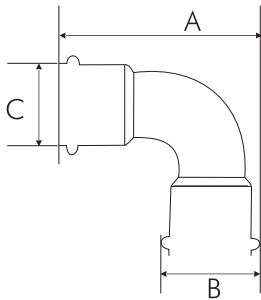
316 L Fitting Dimension

Socket



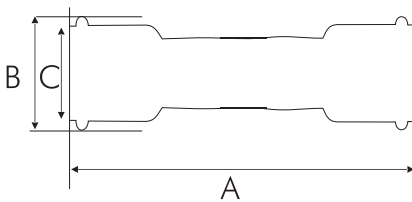
Size	A	B	C	Weight
½"	52.00	23.00	18.50	38.39
¾"	55.00	31.30	25.40	58.57
1"	58.70	37.20	31.60	72.37
1¼"	66.60	44.40	38.70	102.82
1½"	88.00	53.40	45.60	161.57
2"	93.50	65.20	57.90	204.00

90° Elbow



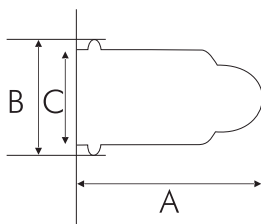
Size	A	B	C	Weight
½"	56.00	23.00	18.50	40.21
¾"	70.50	31.30	25.40	92.82
1"	78.00	37.20	31.60	119.23
1¼"	95.20	44.40	38.70	175.60
1½"	117.40	53.40	45.60	265.00
2"	140.00	65.20	57.90	399.80

Slip Socket



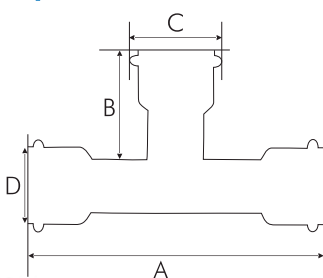
Size	A	B	C	Weight
½"	81.40	23.00	18.50	57.23
¾"	85.00	31.30	25.40	86.24
1"	93.10	37.20	31.60	114.09
1¼"	109.30	44.40	38.70	159.79
1½"	135.00	53.40	45.60	212.00
2"	152.00	65.20	57.90	298.00

Cap



Size	A	B	C	Weight
½"	34.80	23.00	18.50	25.09
¾"	36.40	31.30	25.40	38.50
1"	37.00	37.20	31.60	49.50
1¼"	42.00	44.40	38.70	66.51
1½"	51.60	53.40	45.60	101.72
2"	56.00	65.20	57.90	139.45

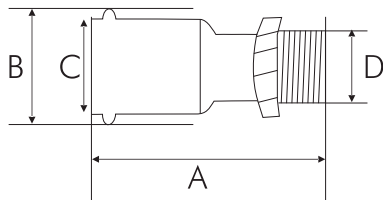
Equal Tee



Size	A	B	C	D	Weight
½"	79.70	27.60	23.00	18.50	72.69
¾"	86.40	29.00	31.30	25.40	111.56
1"	93.00	32.10	37.20	31.60	143.65
1¼"	107.20	34.80	44.40	38.70	196.69
1½"	134.00	46.10	53.40	45.60	289.80
2"	152.20	47.90	65.20	57.90	408.75

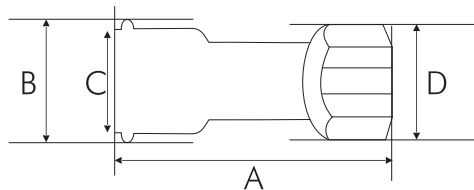
316 L Fitting Dimension

Male Adapter



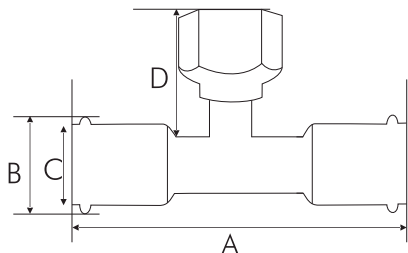
Size	A	B	C	D	Weight
1/2"	51.50	23.00	18.50	21.00	52.14
3/4"	56.40	31.30	25.40	26.20	74.14
1"	62.70	37.20	31.60	33.00	106.33
1 1/4"	70.00	44.40	38.70	41.70	148.22
1 1/2"	80.60	53.40	45.60	47.60	189.32
2"	92.50	65.20	57.90	59.00	380.00

Female Adapter



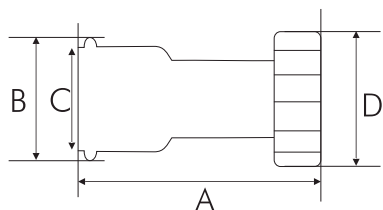
Size	A	B	C	D	Weight
1/2"	50.40	23.00	18.50	27.20	51.75
3/4"	51.20	31.30	25.40	34.00	72.57
1"	58.80	37.20	31.60	41.60	114.22
1 1/4"	65.10	44.40	38.70	50.00	161.00
1 1/2"	77.00	53.40	45.60	56.00	203.87
2"	86.90	65.20	57.90	68.50	260.00

Branch Tee Female Outlet



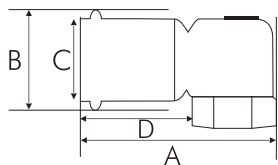
Size	A	B	C	D	Weight
1/2"	79.60	23.00	18.50	25.20	84.27
3/4"	86.60	31.30	25.40	25.40	127.83
1"	92.80	37.20	31.60	31.80	182.97
1 1/4"	108.00	44.40	38.70	35.50	220.00
1 1/2"	134.30	53.40	45.60	36.70	260.00
2"	152.00	65.20	57.90	43.40	405.00

Valve Connector



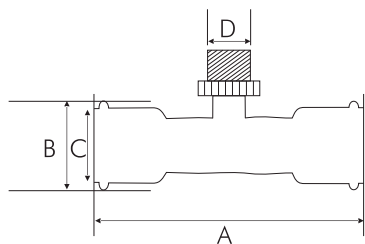
Size	A	B	C	D	Weight
1/2"	55.00	23.00	18.50	27.00	57.86
3/4"	58.40	31.30	25.40	33.80	91.30
1"	64.20	37.20	31.60	42.40	134.36
1 1/4"	66.40	44.40	38.70	49.70	178.03
1 1/2"	82.00	53.40	45.60	56.10	425.00
2"	85.70	65.20	57.90	68.10	633.00

90° Female Elbow Short



Size	A	B	C	D	Weight
1/2"	58.70	23.00	18.50	34.00	73.76
3/4"	68.70	31.30	25.40	37.60	117.21
1"	75.30	37.20	31.60	36.30	172.2

Branch Tee Male Outlet



Size	A	B	C	D	Weight
1/2"	79.60	23.00	18.50	26.00	77.00
3/4"	86.80	31.30	25.40	31.00	126.18

Quality Assurance & Test Certificates



TCR ENGINEERING



TEST REPORT

TCR Engineering Services Pvt. Ltd.
Plot No. 4-A, Mathura Marg
Sector 17-B Chandigarh-160019
Phone: 0172-2634290
Fax: 0172-2634965
E-Mail: mahi@bureau.in
Web: http://www.bis.org.in

ULR - TC8NG24000037702P
T.C. No. : CU1378
Issued To: M/s AAIRA INDIA LLP
1st Floor, Plot No.99/2/30, Site 4, Shahibzad, Ghaziabad, Uttar Pradesh-201010
Contact No. +91 9811305500, Email id info@instapress.in

Page 1 of 1
Date: 12-12-2024

Party Ref. : Email
Ref. Date : 07-12-2024
Description of Sample : Scooter
Specification : AISI 316 L
Sample Drawn By : Party
Test Location : TCR Navi Mumbai
Test : SPECTRO CHEMICAL ANALYSIS

Condition of Sample : Test Piece
Sample Received on : 09-12-2024
Testing Started on : 09-12-2024
Date of Completion : 11-12-2024
Enclosure : NIL

I. Chemical Testing
1. Metals and Alloys
SPECTRO CHEMICAL ANALYSIS

Test performed on : 11-12-2024

	Result	Test Method	Requirement
% Carbon	0.016	ASTM E1086-2022	0.030 max.
% Sulphur	0.008	ASTM E1086-2022	0.030 max.
% Phosphorus	0.025	ASTM E1086-2022	0.045 max.
% Manganese	1.48	ASTM E1086-2022	2.00 max.
% Silicon	0.51	TCR /TM-03-ONS-2023	1.00 max.
% Chromium	16.38	TCR /TM-03-ONS-2023	16.00-18.00
% Nickel	10.09	ASTM E1086-2022	10.00-14.00
% Molybdenum	2.11	ASTM E1086-2022	2.00-3.00
Result	Satisfactory		

Remark: The above result(s) meets the specified requirements of AISI 316 L with respect to elements analysed.

*****END OF REPORT*****

Checked By
W/-

Reviewed & Authored By
Mr. B. G. More
Sr. Chemist



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
Haryana Branch Office



Address: Plot No 4-A, Mathura Marg
Sector 17-B Chandigarh-160019
Phone: 0172-2634290
Fax: 0172-2634965
E-Mail: mahi@bureau.in
Web: http://www.bis.org.in

Our Ref : HRBO/CM/L 9100235009
Subject: Grant of BIS Certification Marks Licence No 9100235009 as per IS 17876: 2022.

M/s. HISAR METAL INDUSTRIES LIMITED
PLOT NO. 178, SECTOR 27-28, INDUSTRIAL AREA,
DELHI ROAD, HISAR, HARYANA, 125044

Date: 24.07.2025

Dear Madam(s)/Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the following:

Product - Stainless steel welded pipes and tubes for general service

Grade/Class/Type/Variety

i) Stainless Steel Welded Pipes and Tubes for General Services, Grade Designation/Nominal Symbol: Austenitic Steel X12Cr17Ni2Mo(316L), Process: Welded (WLD), Sizes: Pipes of Nominal Bore from 8 mm to 97.8 mm and Wall Thickness from 0.6 mm to 3 mm.

ii) Stainless Steel Welded Pipes and Tubes for General Services, Grade Designation/Nominal Symbol: Austenitic Steel X12Cr18Ni9(304 L), Process: Welded (WLD), Sizes: Tubes of Outside Diameter 4.76 mm and Wall Thickness: 0.7 mm.

IS 17876: 2022

- The licence is granted on the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards.
- The number assigned to this licence is CML- 9100235009 which has been made operative from 11.07.2025 and is valid upto 10.07.2026. The licence number should invariably be referred to in your future correspondence.

According to sub-regulation (1) & (3) of Paragraph 5 of scheme I of Schedule II under Bureau of Indian Standards (Conformity Assessment) Regulation, 2018, the annual licence fee of Rs. 1000.00 and the marking fee for use of standard mark as per Annexure-I of Scheme I of BIS (Conformity assessment) Regulation 2018 is payable by you with effect from 11.07.2025 for the period of validity of the licence in advance.

- Minimum marking fee stipulated in Annexure-4 of scheme I of BIS (Conformity Assessment) Regulation 2018 Rs. 7000/- is payable by you regardless of the whether you actually mark your product or not with the Standard Mark. Our Receipt No. AAY/PC/2025/000503 dated 11.06.2025 for the licence fee and the minimum marking fee Rs. 7000/- for the first operative period is already being issued separately.
- This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher shall be payable by you at the time of renewal.
- With a view to streamlining the reporting of quantity marked, calculation and collection of marking fee on the unit rate basis, fees will be calculated on the production marked during the first nine months of operation of the licence at the time of first renewal, and on the production marked during twelve months comprising the last three months of the previous operative year and the first nine months of the current operative year, at the time of the second and subsequent renewals. In case the licence expires, the entire production marked till the expiry date shall be taken into account for calculating the marking fee payable.



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH
(A unit of Shriram Scientific and Industrial Research Foundation)
18, University Road, Delhi - 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute
Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org



18, University Road, Delhi - 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute
Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org

TEST CERTIFICATE NO. : C1/0000101821

Issued To: Client Code : A1197
AAIRA INDIA LLP
L29-L34, FIRST FLOOR, BLOCK-L,
CONNAUGHT PLACE
NEW DELHI
DELHI-110001
Kind Attn: SHWETA JAIN

Date: 10/10/2017
Job No. : 1710-1-171-192
Booking No. : RG1718/16528
Booking Date: 06/10/2017
Customer Ref No. :
Customer Ref Date: 06/10/2017

Sample Description :
ONE SAMPLE OF STAINLESS STEEL PIPE WITH FITTING WAS RECEIVED.
The sampling was not carried out by SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH.
The sample particulars provided in the Test Certificate are based on the declaration by the Party.

TEST RESULTS

S.No. Tests
A. Hydraulic Pressure Test
(At 40 kg/cm²)

Observation
Satisfactory
(No leakage observed)

Equipment Used
Pressure Machine

DOB: 06/10/2017
DOC: 16/10/2017

APPROVED

AUTHORIZED SIGNATORY
EMPLOYEE CODE : 15065

Page 1 of 1

GC-41(Rev-05)



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH
(A unit of Shriram Scientific and Industrial Research Foundation)
18, University Road, Delhi - 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute
Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org



18, University Road, Delhi - 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute
Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org

TEST CERTIFICATE NO. : C1/0000099168

Issued To: Client Code : A1197
AAIRA INDIA LLP
L29-L34, FIRST FLOOR, BLOCK-L,
CONNAUGHT PLACE
NEW DELHI
DELHI-110001
Kind Attn: SHWETA JAIN

Date: 19/08/2017
Job No. : 1708-1-171-1507
Booking No. : RG1718/14681
Booking Date: 14/08/2017
Customer Ref No. :
Customer Ref Date: 14/08/2017

Sample Description :
ONE SAMPLE DESCRIBED AS STAINLESS STEEL PIPE GRADE: 316L DECLARED AS BEING USED FOR HOUSEHOLD PLUMBING WAS RECEIVED.

The sampling was not carried out by SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH.
The sample particulars provided in the Test Certificate are based on sample provided by the Party.

TEST RESULTS

S.No. Test Parameters
A. Chemical Analysis
(% By Mass)
ASTM A-240

Observation
Requirement
Grade SS-316L

Conformity
Protocol Adopted

1. Carbon	0.03	0.03 Max.	Yes	IS: 328 Pt-1-1987 RA2012
2. Manganese	1.3	2.00 Max.	Yes	ASTM E 350-2002
3. Sulphur	0.012	0.030 Max.	Yes	IS: 328 Pt-6-1987 RA2014
4. Phosphorus	0.039	0.045 Max.	Yes	IS: 328 Pt-6-1987 RA2012
5. Silicon	0.29	0.75 Max.	Yes	IS: 328 Pt-6-1987 RA2014
6. Nickel	10.1	10.0 - 14.0	Yes	IS: 328 Pt-6-1987 RA2014
7. Chromium	16.4	16.0 - 18.0	Yes	IS: 328 Pt-6-1987 RA2014
8. Molybdenum	2.1	2.0 - 3.0	Yes	ASTM E 350-2012

DOB: 16/06/2017
DOC: 19/08/2017

APPROVED

AUTHORIZED SIGNATORY
EMPLOYEE CODE : 15065

Page 1 of 1

GC-41(Rev-05)

Our Product Range

Everything you need for a reliable, leak-proof plumbing system.



Pipe



Slip Socket



90° Female Elbow



Male Thread Socket



Female Thread Socket



Female Thread Socket



90° Male Elbow



90° Elbow



Pipe Bridge



45° Elbow



90° Female Elbow (Short)



Equal Tee



Water Manifold



Branch Tee Male



Reducing Socket



Socket



Cap

**Purity in Every Drop.
Precision in Every Connection.**



Introducing Insta PressFit® Stainless Steel Water Tanks

Crafted from premium-grade stainless steel, Insta PressFit® Stainless Steel Water Tanks are engineered to deliver pure, hygienic water with exceptional strength and durability.

Designed to resist corrosion and built for decades of reliable performance, they ensure every drop stays protected.



Protecting Every Drop. Caring for Every Family.



Ph.: +91 120-4474926 • M.: +91-9811305500
E-mail : info@instapressfit.com

Sales Office:

Unit No. 803, KM Trade Tower, Sector 14, Kaushambi, Ghaziabad, U.P. – 201012

Delhi Office:

11, Kasara No. 91/26-28-29, Alipur, New Delhi – 110036

Gurugram Office:

Unit No. 714, Tower-A, Emaar Digital Greens, Golf Course Extn. Road, Sector 61, Gurugram, Haryana

Warehouse:

1st Floor, Plot No. 59/2/20, Site-4, Sahibabad, Ghaziabad, U.P. – 201005

Factory:

Hisar Production Unit:

Hisar Metal Industries Limited, Near Industrial Development Colony, Delhi Road, Hisar – 125005, Haryana

Bhiwadi Production Unit:

G1-82, Kharani, RIICO Industrial Area, Bhiwadi, Rajasthan – 301019

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