



# ***Ductile Iron Double Flanged Pipes***

Connecting Water, Establishing Lifelines



Rashmi Group, a rapidly expanding business conglomerate in India, is a leader in producing a wide range of integrated products and services, including Iron & Steel, Cement, Power, Ferro Alloys, Biofuels, Networking Solutions, and Dredging services.

## Mr. Sajjan Kumar Patwari

Group Chairman



Rashmi Group is a distinguished business conglomerate in India, known for its expansive and diverse operations. Under the visionary leadership of Mr. Sajjan Kumar Patwari and his three sons—Mr. Sunil Kumar Patwari, Mr. Sanjib Kumar Patwari, and Mr. Sanjay Kumar Patwari—the group has pioneered the integration of Iron & Steel Products, Cement, Power, and Ferro Alloys.

With its headquarters in Kolkata, Rashmi Group strategically operates through manufacturing facilities located in Kharagpur and Jhargram. Its product portfolio is broad, offering DI Pipes and Fittings, TMT Bars, Pig Iron, Wire Rods, MS Billets, Sponge Iron, Sinter, Ferro Alloys, Pellets, Cement, Nitrile Gloves, Seamless Pipes & Tubes, Digital Networking Devices, and Dredging Solutions.

Recognized as an “Ultra Mega Project” by the Government of West Bengal, Rashmi Group was among the first to secure environmental and pollution clearances in the state. The group’s annual turnover has reached approximately USD 3.50 billion, with a net worth of USD 1.00 billion. Having invested USD 875 million in its manufacturing facilities, Rashmi Group proudly stands as the only debt-free steel conglomerate in Eastern India.



# RASHMI METALIKS LIMITED

India's Largest and Globally Second Largest Ductile Iron Pipes Manufacturer.



Rashmi Metaliks Limited stands as a trusted leader in India's iron and steel manufacturing sector, known for its unwavering commitment to quality and reliability. As a flagship company of Rashmi Group, established in 2004 in West Bengal, it boasts a state-of-the-art integrated steel manufacturing facility, producing a comprehensive range of products, including Pellets, Sinter, Pig Iron, Sponge Iron, Ductile Iron Pipes and Fittings, Billets, TMT Bars, and Wire Rods.

As country's top manufacturer of DI Pipes and Fittings, Rashmi Metaliks offers a wide array of jointing options with various internal and external coatings. Since its inception, the company has expanded rapidly, achieving an impressive CAGR of 62%. Today, it produces 770,000 metric tonnes of DI Pipes and 26,000 metric tonnes of DI Fittings annually.

Rashmi Metaliks' remarkable growth has been driven by a spirit of innovation and a relentless pursuit of excellence throughout the production process. The company employs cutting-edge casting techniques to meet international standards, delivering high-quality pipes and fittings for potable water, raw water, and wastewater transportation.

Our products comply with stringent international and European standards, ensuring precision in manufacturing for optimal fitment. Offering premium-grade DI Pipes (DN 80 to DN 1200) and Fittings (DN 80 to DN 1600), Rashmi Metaliks provides robust and reliable pipeline solutions for diverse applications, backed by high safety factors and extensive availability.

# Ductile Iron Double Flanged Pipes

Ductile Iron is the most preferred pipe material for water supply and pressure sewage applications. The DI Pipe manufacturing is the flagship block of Rashmi Metaliks and has been growing at a CAGR of 62% for the last 4 years.



Rashmi Metaliks' Ductile Iron (DI) Double Flanged Pipes are engineered for high-performance applications, offering superior strength, durability, and flexibility. Designed for use in various sectors, including water supply, wastewater management, and industrial piping systems, these pipes are known for their ability to withstand high pressure and corrosion, ensuring longevity in even the most demanding environments.



## Superior Strength:

DI Double Flanged Pipes provide exceptional tensile strength, enabling them to handle high internal pressure and heavy loads.



## Durability:

Built to last, DI pipes have a life expectancy of more than 100 years, making them a cost-effective solution for long-term infrastructure projects.



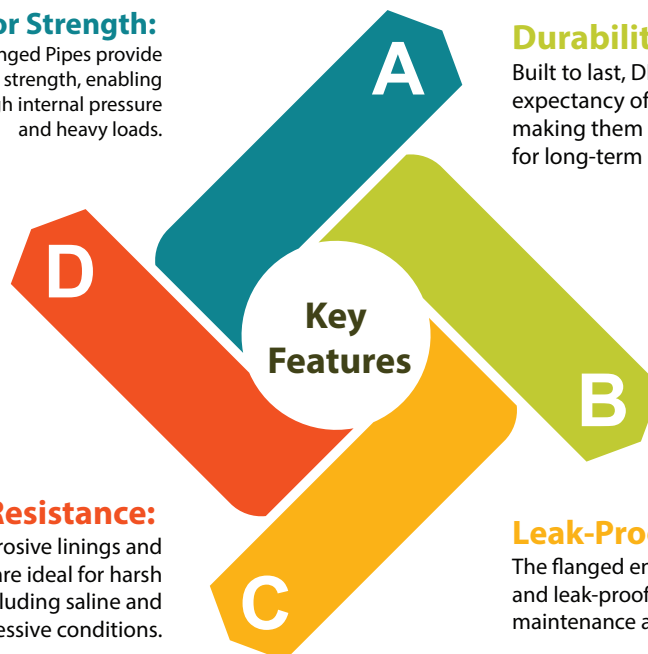
## Corrosion Resistance:

Coated with anti-corrosive linings and coatings, these pipes are ideal for harsh environments, including saline and chemically aggressive conditions.



## Leak-Proof Jointing:

The flanged ends ensure a tight, secure, and leak-proof connection, minimizing maintenance and operational costs..



# Types of DI Double Flange Pipes offered by Rashmi Metaliks:

Type of Pipe	Diameter Range & Length	Pressure Class
<b>Welded Flanged Pipes</b> Flanges are welded onto one or both ends of a class K9 barrel or an equivalent C-class.	From DN 80 to DN 1200 mm, length up to 5.4 mtr.	PN 10, PN 16, PN 25, (PN 40 on request)
<b>Screwed Flanged Pipes</b> Flanges are screwed-fit onto one or both ends of a class K9 barrel or an equivalent C-class.	From DN 80 to DN 1200 mm, length up to 5.4 mtr.	PN 10, PN 16
<b>Puddled Flanged Pipes</b> Flanges are welded at locations along the barrel, rather than just the ends, based on customer requirements.	From DN 80 to DN 1000 mm, length up to 5.4 mtr.	PN 10, PN 16, PN 25, (PN 40 on request)

## Advantages of Ductile Iron Double Flanged Pipes

- **High Strength and Durability:** Ductile iron is known for its superior strength and impact resistance, making these pipes highly durable even in demanding environments.
- **Corrosion Resistance:** The material is naturally corrosion-resistant, and with added coatings (such as epoxy), the pipes can last longer in harsh environments, including underground or marine applications.
- **Leakage Prevention:** The double flanged design provides a tight, secure connection between pipes, significantly reducing the risk of leaks.
- **Ease of Installation:** Flanged joints make it easier to install or remove sections of the pipeline during construction or maintenance. They also allow for easier alignment of the pipes.
- **Pressure Tolerance:** Ductile iron double flanged pipes can withstand high internal & external pressures, making them suitable for water, sewage, and industrial fluid transport.
- **Cost-Effective:** Due to their durability and long lifespan, ductile iron pipes offer cost savings over time compared to other materials that may require more frequent repairs or replacement.
- **Fire Resistance:** Ductile iron pipes are non-combustible, making them suitable for installations in fire-prone areas.
- **Environmental Sustainability:** Ductile iron is a recyclable material, contributing to sustainability efforts in construction and infrastructure projects.



## DI Barrel Casting



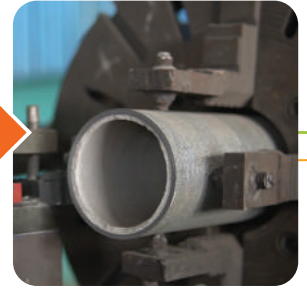
CENTRIFUGAL CASTING



ANNEALING



CEMENT LINING



PIPE CUTTING

## Welded Flanged Pipe



FLANGE HEATING

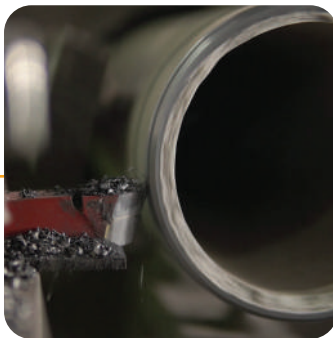


BARREL GRINDING

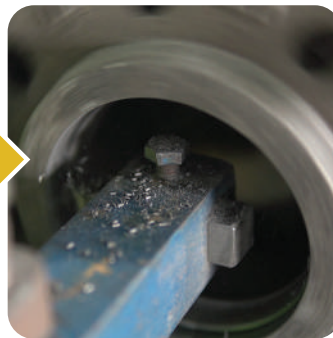


FLANGE WELDING

## Screwed Flanged Pipe



BARREL THREADING



FLANGE THREADING



FLANGE FITTING

## Finishing & Despatch



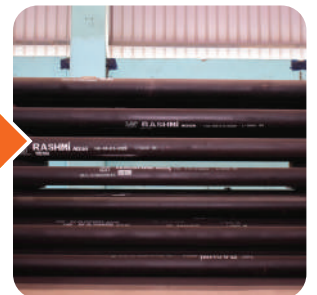
HYDRO TESTING



PIPE COATING\*



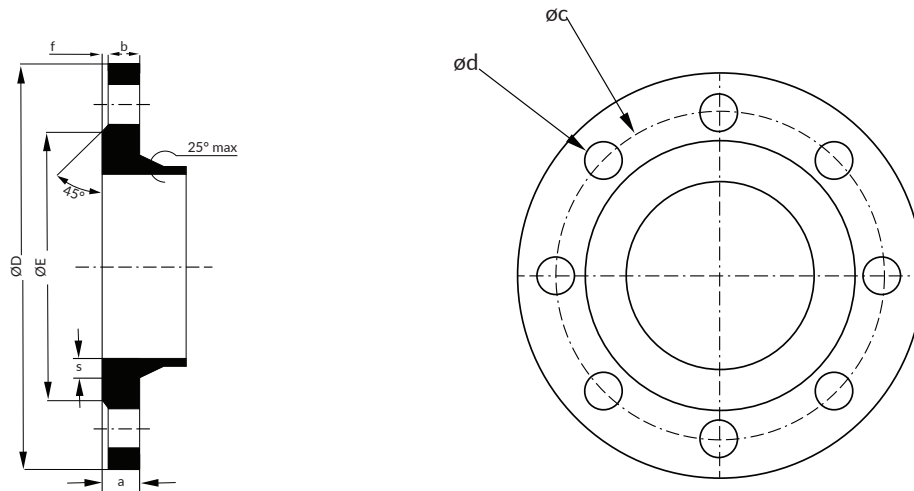
QUALITY INSPECTION



STACKING & DESPATCH

**\*Note:** Black, Blue and Red bituminous paint as per usage.

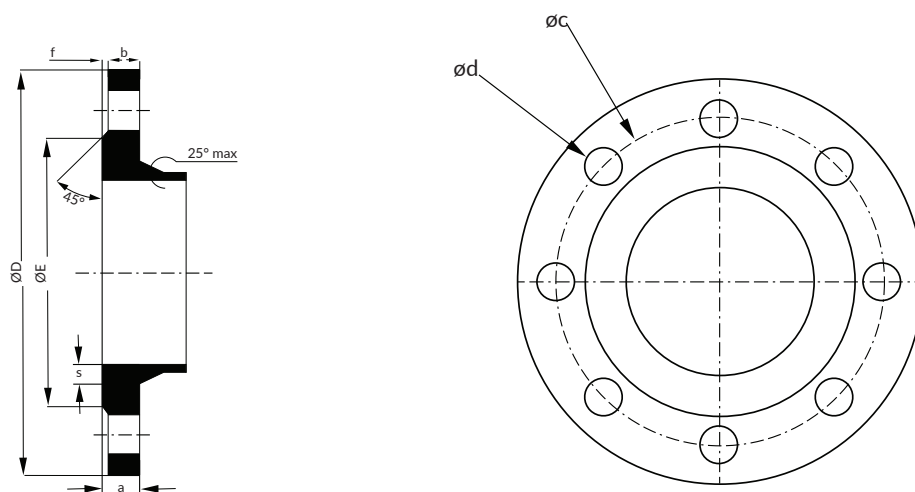
Puddles can be added on request. Multiple coating and lining options available on request.



Dimensions in millimeters

Dimension Chart as per PN 10										
Nominal DIA DN	D	E	C	b	f	a	s	No of Holes	Hole DIA ( $\phi d$ )	Bolt Size in Metric
80	200	132	160	16.0	3	19.0	15.0	4	19	M16
100	220	156	180	16.0	3	19.0	15.0	8	19	M16
125	250	184	210	16.0	3	19.0	15.0	8	19	M16
150	285	211	240	16.0	3	19.0	15.0	8	23	M20
200	340	266	295	17.0	3	20.0	15.0	8	23	M20
250	395	319	350	19.0	3	22.0	16.0	12	23	M20
300	445	370	400	20.5	4	24.5	17.5	12	23	M20
350	505	429	460	20.5	4	24.5	19.5	16	23	M20
400	565	480	515	20.5	4	24.5	19.5	16	28	M24
450	615	530	565	21.0	4	25.5	20.0	20	28	M24
500	670	582	620	22.5	4	26.5	21.0	20	28	M24
600	780	682	725	25.0	5	30.0	24.0	20	31	M27
700	895	794	840	27.5	5	32.5	24.0	24	31	M27
750	960	857	900	29.0	5	34.0	24.0	24	31	M27
800	1015	901	950	30.0	5	35.0	24.5	24	34	M30
900	1115	1001	1050	32.5	5	37.5	26.5	28	34	M30
1000	1230	1112	1160	35.0	5	40.0	28.0	28	37	M33
1100	1340	1231	1270	38.0	5	43.0	30.0	28	37	M33
1200	1455	1328	1380	40.0	5	45.0	31.5	32	40	M36
1400	1675	1530	1590	41.0	5	46.0	32.0	36	43	M39
1600	1915	1750	1820	44.0	5	49.0	34.5	40	49	M45

Note: Tolerances as per IS 9523:2000

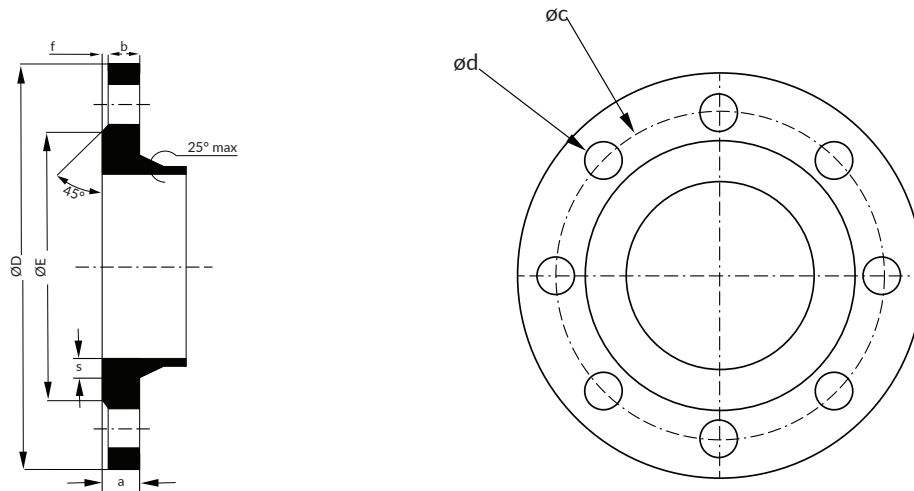


Dimensions in millimeters

Dimension Chart as per PN 16										
Nominal DIA DN	D	E	C	b	f	a	s	No of Holes	Hole DIA ( $\phi d$ )	Bolt Size in Metric
80	200	132	160	16.0	3	19.0	15.0	8	19	M16
100	220	156	180	16.0	3	19.0	15.0	8	19	M16
125	250	184	210	16.0	3	19.0	15.0	8	19	M16
150	285	211	240	16.0	3	19.0	15.0	8	23	M20
200	340	266	295	17.0	3	20.0	16.0	12	23	M20
250	400	319	355	19.0	3	22.0	17.5	12	28	M24
300	455	370	410	20.5	4	24.5	19.5	12	28	M24
350	520	429	470	22.5	4	26.5	21.0	16	28	M24
400	580	480	525	24.0	4	28.0	22.5	16	31	M27
450	640	548	585	26.0	4	30.0	24.0	20	31	M27
500	715	609	650	27.5	4	31.5	25.0	20	34	M30
600	840	720	770	31.0	5	36.0	27.0	20	37	M33
700	910	794	840	34.5	5	39.5	27.5	24	37	M33
750	970	857	900	36.0	5	41.0	28.0	24	37	M33
800	1025	901	950	38.0	5	43.0	30.0	24	40	M36
900	1125	1001	1050	41.0	5	46.0	32.5	28	40	M36
1000	1255	1112	1170	45.0	5	50.0	35.0	28	43	M39
1100	1355	1218	1270	48.5	5	53.5	37.5	32	43	M39
1200	1485	1328	1390	52.0	5	57.0	40.0	32	49	M45
1400	1685	1530	1590	55.0	5	60.0	42.0	36	49	M45
1600	1930	1750	1620	60.0	5	65.0	45.5	40	56	M52

Note: Tolerances as per IS 9523:2000



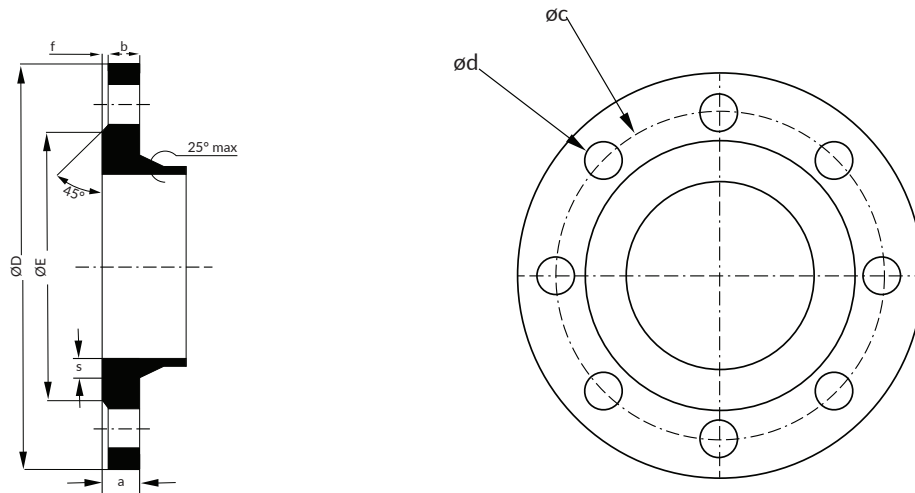


Dimensions in millimeters

Dimension Chart as per PN 25

Nominal DIA DN	D	E	C	b	f	a	s	No of Holes	Hole DIA ( $\phi d$ )	Bolt Size in Metric
80	200	132	160	16.0	3	19.0	15.0	8	19	M16
100	235	156	190	16.0	3	19.0	15.0	8	23	M20
125	270	184	220	16.0	3	19.0	15.0	8	28	M24
150	300	211	250	17.0	3	20.0	16.0	8	28	M24
200	360	274	310	19.0	3	22.0	17.5	12	28	M24
250	425	330	370	21.5	3	24.5	19.5	12	31	M27
300	485	389	430	23.5	4	27.5	22.0	16	31	M27
350	555	448	490	26.0	4	30.0	24.0	16	34	M30
400	620	503	550	28.0	4	32.0	25.5	16	37	M33
450	670	548	600	30.5	4	34.5	27.5	20	37	M33
500	730	609	660	32.5	4	36.5	29.0	20	37	M33
600	845	720	770	37.0	5	42.0	33.5	20	40	M36
700	960	820	875	41.5	5	46.5	33.5	24	43	M39
750	1020	883	940	45.0	5	50.0	34.0	24	43	M39
800	1085	928	990	46.0	5	51.0	35.5	24	49	M45
900	1185	1028	1090	50.5	5	55.5	39.0	28	49	M45
1000	1320	1140	1210	55.0	5	60.0	42.0	28	56	M52
1100	1420	1240	1310	60.5	5	65.5	45.0	32	56	M52
1200	1530	1350	1420	64.0	5	69.0	48.5	32	56	M52
1400	1755	1560	1640	69.0	5	74.0	52.0	36	62	M56
1600	1975	1780	1860	76.0	5	81.0	56.5	40	62	M56

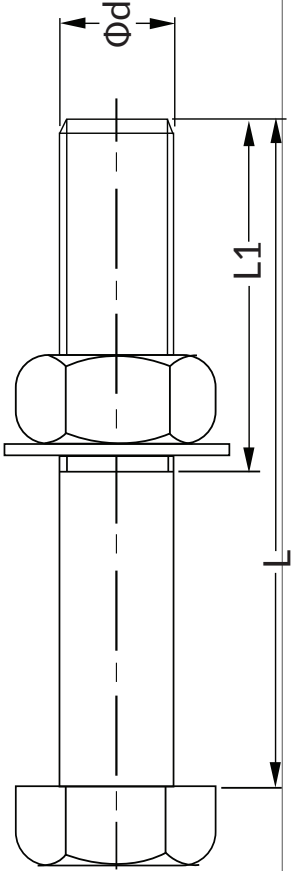
Note: Tolerances as per IS 9523:2000



Dimensions in millimeters

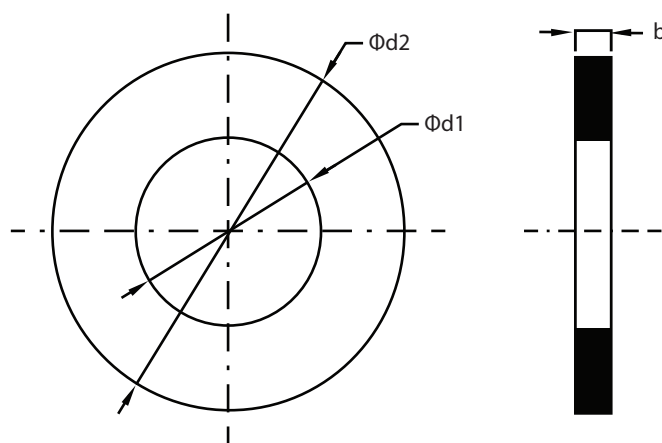
Dimension Chart as per PN 40										
Nominal DIA DN	D	E	C	b	f	a	s	No of Holes	Hole DIA ( $\Phi x$ )	Bolt Size in Metric
80	200	132	160	16.0	3	19.0	15.0	8	19	M16
100	235	166	190	16.0	3	19.0	15.0	8	23	M20
125	270	184	220	20.5	3	23.5	16.5	8	28	M24
150	300	211	250	23.0	3	26.0	18.0	8	28	M24
200	375	284	320	27.0	3	30.0	21.0	12	31	M27
250	450	345	385	31.5	3	34.5	24.0	12	34	M30
300	515	409	450	35.5	4	39.5	27.5	16	34	M30
350	580	465	510	40.0	4	44.0	31.0	16	37	M33
400	660	535	585	44.0	4	48.0	33.5	16	40	M36
450	685	560	610	46.0	4	50.0	35.0	20	40	M36
500	755	615	670	48.0	4	52.0	36.5	20	43	M39
600	890	735	795	53.0	5	58.0	40.5	20	49	M45

Note: Tolerances as per IS 9523:2000



Dimensions in millimeters

Bolts and Nuts for Flanges															
PN - 10				PN - 16				PN - 25				PN - 40			
Nominal DIA DN	Bolt Size	No. of nuts & bolts set	(L)	App. Wt.	Bolt Size	No. of nuts & bolts set	(L)	App. Wt.	Bolt Size	No. of nuts & bolts set	(L)	App. Wt.	Bolt Size	No. of nuts & bolts set	(L)
80	M16	4	85.00	0.23	M16	8	85.00	0.23	M16	8	85.00	0.23	M16	8	85.00
100	M16	8	90.00	0.24	M16	8	90.00	0.24	M20	8	100.00	0.41	M20	8	100.00
125	M16	8	90.00	0.24	M16	8	90	0.24	M24	8	110.00	0.71	M24	8	110.00
150	M20	8	100.00	0.41	M20	8	100.00	0.41	M24	8	110.00	0.71	M24	8	110.00
200	M20	8	100.00	0.41	M20	12	100.00	0.41	M24	12	110.00	0.71	M27	12	130.00
250	M20	12	110.00	0.56	M24	12	110.00	0.56	M27	12	130.00	1.01	M30	12	140.00
300	M20	12	120.00	0.58	M24	12	130.00	0.58	M27	16	1130.00	1.01	M30	16	140.00
350	M20	16	130.00	0.58	M24	16	130.00	0.58	M30	16	140.00	1.35	--	--	--
400	M24	16	140.00	0.91	M27	16	150.00	0.91	M33	16	1150.00	1.75	--	--	--
450	M24	20	130.00	0.83	M27	20	130.00	0.83	M33	20	150.00	1.75	--	--	--
500	M24	20	150.00	0.99	M30	20	160	0.99	M33	20	160.00	1.85	--	--	--
600	M27	20	170.00	1.37	M33	20	180.00	1.37	M36	20	180.00	2.46	--	--	--
700	M27	24	150.00	1.24	M33	24	150.00	1.24	M39	24	1180.00	2.91	--	--	--
750	M27	24	160.00	1.28	M33	24	160.00	1.28	M39	24	190.00	3.01	--	--	--
800	M30	24	160.00	1.66	M36	24	160.00	1.66	M45	24	1190.00	4.71	--	--	--
900	M30	28	180.00	1.76	M36	28	180.00	1.76	M45	28	230.00	4.71	--	--	--
1000	M33	28	160.00	2.14	M39	28	180.00	2.14	M52	28	230.00	7.44	--	--	--
1100	M33	28	180.00	2.35	M39	32	210.00	2.35	M52	32	230.00	7.54	--	--	--
1200	M36	32	1180.00	3.61	M45	32	210.00	3.61	M52	32	1260.00	8.04	--	--	--
1400	M39	36	180.00	4.37	M45	36	230.00	4.37	M56	36	260.00	9.30	--	--	--
1600	M45	40	190.00	4.87	M52	40	230.00	5.94	M56	40	260.00	9.30	--	--	--



Dimensions in millimeters

Dimension detail of Rubber Gasket for Flange Joints						
Nominal DIA DN	d1	b	PN10	PN16	PN25	PN40
			d2	d2	d2	d2
80	84.0	3	132	132	132	132
100	103.6	3	156	156	156	156
125	129.0	3	184	184	184	184
150	154.4	3	211	211	211	211
200	205.2	3	266	266	274	284
250	256.0	3	319	319	330	345
300	306.8	3	370	370	389	389
350	357.6	3	429	429	448	448
400	407.4	3	480	480	503	535
450	457.2	3	527	548	548	560
500	508.0	3	582	609	609	615
600	608.6	3	682	720	720	735
700	709.2	5	794	794	820	--
750	760.0	5	857	857	883	--
800	810.8	5	901	901	928	--
900	911.4	5	1001	1001	1028	--
1000	1012.0	5	1112	1112	1140	--
1100	1113.6	5	1231	1218	1240	--
1200	1214.2	5	1328	1328	1350	--
1400	1416.4	5	1530	1530	1560	--
1600	1617.6	5	1750	1750	1780	--

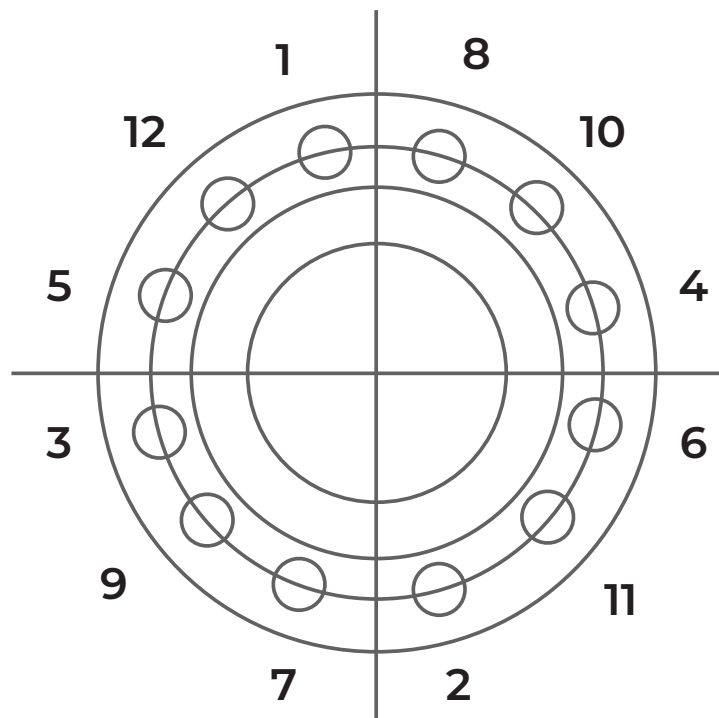
Note: Tolerances as per IS 9523:2000



## Joining Procedure for Ductile Iron Flanged Pipes

- **Inspect Pipes, Flanges and accessories** : Ensure all pipe ends, flanges and accessories are clean, free from damage, and meet the specified dimensions.
- **Align Pipes:** Properly align the flanged ends of the pipes to ensure that they are parallel and concentric. Use alignment tools if necessary.
- **Install Gaskets:** Place the flat rubber gasket between the flanges. Ensure the gasket is properly seated and centered to prevent leaks.
- **Insert Bolts:** Place the bolts through the flange bolt holes, ensuring they pass through the flange and gasket evenly.
- **Torque Bolts:** Use a torque wrench to tighten the bolts in a crisscross pattern, gradually increasing the torque to the specified value. This helps ensure even compression of the gasket and a secure joint.
- **Check for Leaks:** After tightening, inspect the joint for any signs of leakage or misalignment.
- **Pressure Testing:** Conduct a pressure test of the jointed system to ensure the integrity and performance of the joint under operational conditions.

## Joining procedure



**Bolt Tightening Sequence**

## QUALITY CERTIFICATES

					
<h1>Kitemark™ Certificate</h1>					
This is to certify that:		Rashmi Metallix Limited (DIP Division) VH-Gopinathpur PO-Chanpal Kharagpur, Paschim Medinipur West Bengal 721301 India			
Holds Certificate Number:		KM 793698			
In respect of:					
<b>BS ISO 2531</b> Ductile iron pipes, fittings, accessories and their joints for water applications					
<p>This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.</p> <p>The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided that or from the above address.</p>					
For and on behalf of BSI:		 Shaim Barhom, Group Product Director			
First Issue: 2023-09-28		Effective Date: 2023-09-28			
Latest Issue: 2023-09-28		Expiry Date: 2026-08-23			
		Page: 1 of 7			

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark (Cert), Elms Avenue, Hemel Hempstead, Herts-Herts SG9 0PE, United Kingdom and should be returned immediately upon request.

To check a validity telephone +44 (0) 240 081 9000. An electronic certificate can be authenticated [online](#).

BSI Assurance UK Limited, registered in England at number 7805221 at 389 Chiswick High Road, London W6 7AL, UK, is a member of BSI Group of Companies.

					
<b>Kitemark™ Certificate</b>					
<b>This is to certify that:</b>		<b>Rashmi Metals Limited (DIP Division)</b>			
		<b>VII-Copialpur</b>			
		<b>PO-Changul/Jheragpur,</b>			
		<b>Paschim Medinipur</b>			
		<b>West Bengal</b>			
		<b>721301</b>			
		<b>India</b>			
<b>Holds Certificate Number:</b>		<b>KM 793696</b>			
<b>In respect of:</b>					
<b>BS EN 545</b>					
<b>Ductile iron pipes, fittings, accessories and their joints for water pipelines</b>					
<p>This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.</p>					
<p>The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.</p>					
<b>For and on behalf of BSI:</b>		 <b>Shaim Barhom, Group Product Certification Director</b>			
<b>First Issued: 2023-09-28</b>		<b>Effective Date: 2023-09-28</b>		<b>Expiry Date: 2026-08-23</b>	
<b>Latest Issue: 2023-09-28</b>		<b>Page: 1 of 7</b>			
<p><small>This certificate has been issued by and remains the property of BSI Assurance (UK) Ltd, Kitemark Court, 389, Avenue, Kilmarnock, Fifeen Glasgow Road, Glasgow, Scotland and should be returned immediately upon request.</small></p>					
<p><small>To check its validity telephone +44 (0) 345 600 9000. An electronic certificate can be authenticated <a href="#">online</a>.</small></p>					
<p><small>BSI Assurance (UK Limited), registered in England under number 7903321 at 389 Chiswick High Road, London W6 4AL, UK A member of BSI Group of Companies.</small></p>					

Water Regulations Advisory Scheme Ltd.

Unit 13,

Willow Road,

Pen Y Fan Industrial Estate,

Cwmfa,

Gwent,

NP11 4EG

Approved Number: 2104502

Test Report: MA7545E

20<sup>th</sup> April 2021

Rashmi Metals Ltd.

Cockbur,

PO Shyamoli,

Khanaguri,

Dist. West Mednipo,

West Bengal.

723301,

India

**WATER REGULATIONS ADVISORY SCHEME LTD (WRAS)  
MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6820:2000 and/or 2014. Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

The reference relates solely to the effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

**COATINGS, PAINTS & LUMINOUS-FACTORY APPLIED PIPE & FITTINGS COATINGS.**

5030

Potassiac Substrate Resisting Portland  
Cement,

Factory applied, grey coloured Substrate Resistant cement mortar.

Mix cement, sand and water in a 1 : 1.5 : 0.5 ratio. Cure for 28 days @18°C.

For use with water up to 65°C.

This material is only approved for the mixing and curing conditions that appear on the approval. If the mixing and/or curing conditions are varied from those specified on the approval then the materials are not covered by the approval.

**APPROVAL NUMBER: 2104502  
APPROVAL HOLDER: RASHMI METALS LTD.**

The Scheme reserves the right to review approval.

Approval 2104502 is valid between April 2021 and April 2026

An entry, as above, will automatically be included in the Water Fittings Directory on-line under the section headed, "Materials" which have passed full tests of effect on water quality."

The Directory may be found at: [www.wrasapproval.co.uk/approvals-directory](http://www.wrasapproval.co.uk/approvals-directory)

Yours Faithfully

Ben Hughes

**WRAS Approval Manager**

The Water Regulations Advisory Scheme Ltd. Registered in England No. 0966806 Registered office: 102 Llanelli Close Holford Drive Bosworth NN7 6ED  
WRAS Approval 2104502 - 1/2

T: 01453 233 277 F: 01453 440 440 E: 245 245 245@wras.co.uk Website: [www.wras.co.uk](http://www.wras.co.uk)

Page 1 of 2

[illegible][illegible]

# QUALITY CERTIFICATES

**BUREAU VERITAS**  
Certification

**Certificate of Conformity**  
Awarded to:

**RASHMI METALIKS LTD (DIP Division)**  
HEAD OFFICE:  
Premata Building, 39, Shalimar Garden, Kolkata, West Bengal, PIN – 700017 INDIA  
PRODUCTION PLANT:  
Mouza-Changsal, Jethia, Gopinathpur, J.L. n° 359, 360 & 361, NH-16 Kharagpur, Paschim Medinipur, West Bengal – 721301 INDIA

Bureau Veritas Italia S.p.A. certify that the following products:  
**Ductile iron fittings for pipes for water and sewerage applications**  
from DN 80 to DN 1200  
**Commercial Brand**  
**RASHMI**

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirements of the following standard:

**EN 545:2006**  
**ISO 2531:1998**  
Ductile iron pipes, fittings, accessories and their joints for water application

**EN 598:2007+A1:2009**  
**ISO 7186:2011**  
Ductile iron pipes, fittings, accessories and their joints for sewerage application

Certification according requirements stated in:  
**QHSE-REG-02.TOR Bureau Veritas**  
**IND-REP-48-CP Bureau Veritas**

This certificate has not to be intended as related to Notified Body activity according to UE Construction Products Regulation CPR 305/2011 neither can be used for the CE marking

Original Emission Date: 06/06/2023  
Last Emission Date: 06/06/2023  
Expiration Date: 05/06/2026

Subject to the continued satisfactory operation, to check the certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organization.

**ACCREDITED**  
Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

Scheme Technical Manager  
Date: 06/06/2023  
Certificate N°: **1319/002 Rev.0**

Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

**BUREAU VERITAS**  
Certification

**Certificate of Conformity**  
Awarded to:

**RASHMI METALIKS LIMITED**  
HEAD OFFICE:  
Premata Building, 39, Shalimar Garden, Kolkata, West Bengal, PIN – 700017 INDIA  
PRODUCTION PLANT:  
Mouza-Changsal, Jethia, Gopinathpur, J.L. n° 359, 360 & 361, NH-16 Kharagpur, Paschim Medinipur, West Bengal – 721301 INDIA

Bureau Veritas Italia S.p.A. certify that the process of application of coatings for the following products:  
**Ductile iron fittings for pipes for water and sewerage applications**  
from DN 80 to DN 1200  
**Commercial Brand**  
**RASHMI**

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirement listed in Annex 1/1 of this certificate

Certification according requirements stated in:  
**QHSE-REG-02.TOR Bureau Veritas**  
**IND-REP-48-CP Bureau Veritas**

Original Emission Date: 06/06/2023  
Last Emission Date: 06/06/2023  
Expiration Date: 05/06/2026

Subject to the continued satisfactory operation, to check the certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organization.

**ACCREDITED**  
Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

Scheme Technical Manager  
Date: 03/04/2023  
Certificate N°: **1319/001 Rev.0**

Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

**BUREAU VERITAS**  
Certification

**Certificate of Conformity**  
Awarded to:

**RASHMI METALIKS LTD (DIP Division)**  
HEAD OFFICE:  
Premata Building, 39, Shalimar Garden, Kolkata, West Bengal, PIN – 700017 INDIA  
PRODUCTION PLANT:  
Mouza-Changsal, Jethia, Gopinathpur, J.L. n° 359, 360 & 361, NH-16 Kharagpur, Paschim Medinipur, West Bengal – 721301 INDIA

Bureau Veritas Italia S.p.A. certify that the following products:  
**Ductile iron fittings for pipes for water and sewerage applications**  
from DN 80 to DN 1200  
**Commercial Brand**  
**RASHMI**

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirements of the following standard:

**EN 545:2006**  
**ISO 2531:1998**  
Ductile iron pipes, fittings, accessories and their joints for water application

**EN 598:2007+A1:2009**  
**ISO 7186:2011**  
Ductile iron pipes, fittings, accessories and their joints for sewerage application

Certification according requirements stated in:  
**QHSE-REG-02.TOR Bureau Veritas**  
**IND-REP-48-CP Bureau Veritas**

This certificate has not to be intended as related to Notified Body activity according to UE Construction Products Regulation CPR 305/2011 neither can be used for the CE marking

Original Emission Date: 06/06/2023  
Last Emission Date: 06/06/2023  
Expiration Date: 05/06/2026

Subject to the continued satisfactory operation, to check the certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organization.

**ACCREDITED**  
Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

Scheme Technical Manager  
Date: 06/06/2023  
Certificate N°: **1319/001 Rev.0**

Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

**BUREAU VERITAS**  
Certification

**Certificate of Conformity**  
Awarded to:

**RASHMI METALIKS LIMITED**  
HEAD OFFICE:  
Premata Building, 39, Shalimar Garden, Kolkata, West Bengal, PIN – 700017 INDIA  
PRODUCTION PLANT:  
Gokulpur, P.O. Shyamnagar, Kharagpur, West Bengal – 721304 INDIA

Bureau Veritas Italia S.p.A. certify that the process of application of coatings for the following products:  
**Ductile iron pipes for water and sewerage applications**  
from DN 80 to DN 1200 Push-On  
from DN 40 to DN 600 Restrained Flexible Joint  
from DN 80 to DN 1000 Flanged Joint  
(welding flanged operation is carried out at Gopinathpur, Mouza Changua plant)  
**Commercial Brand**  
**RASHMI AGUA**

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirement listed in Annex 1/1 of this certificate

Certification according requirements stated in:  
**QHSE-REG-02.TOR Bureau Veritas**  
**IND-REP-48-CP Bureau Veritas**

Original Emission Date: 07/11/2017  
Last Emission Date: 31/08/2023  
Expiration Date: 17/04/2025

Subject to the continued satisfactory operation, to check the certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organization.

**ACCREDITED**  
Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

Scheme Technical Manager  
Date: 31/08/2023  
Certificate N°: **1053/001 Rev.4**

Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

**BUREAU VERITAS**  
Certification

**Certificate of Conformity**  
Awarded to:

**RASHMI METALIKS LIMITED**  
HEAD OFFICE:  
Premata Building, 39, Shalimar Garden, Kolkata, West Bengal, PIN – 700017 INDIA  
PRODUCTION PLANT:  
Gokulpur, P.O. Shyamnagar, Kharagpur, West Bengal – 721304 INDIA

Bureau Veritas Italia S.p.A. certify that the process of application of coatings for the following products:  
**Ductile iron pipes for water and sewerage applications**  
from DN 80 to DN 1200 Push-On  
from DN 40 to DN 600 Restrained Flexible Joint

Designed and produced by Rashmi Metaliks Limited  
have been evaluated and found in conformity against the requirement listed in Annex 1/1 of this certificate

Certification according requirements stated in:  
**QHSE-REG-02.TOR Bureau Veritas**  
**IND-REP-48-CP Bureau Veritas**

Original Emission Date: 07/11/2017  
Last Emission Date: 03/04/2023  
Expiration Date: 17/04/2025

Subject to the continued satisfactory operation, to check the certificate validity please refer to website: [www.bureauveritas.it](http://www.bureauveritas.it)  
Further clarifications regarding the scope of this certificate and the applicability of standard's requirements may be obtained by consulting the organization.

**ACCREDITED**  
Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY

Scheme Technical Manager  
Date: 03/04/2023  
Certificate N°: **1053/001 Rev.3**

Bureau Veritas Italia S.p.A. – Viale Monza, 347 – 20126 MILAN – ITALY



## CONTACT US

**REGD. & CORPORATE OFFICE:** Premlata Building, 39, Shakespeare Sarani, 6th Floor, Kolkata – 700 017

**HEAD OFFICE:** 9, A.J.C. Bose Road, Ideal Centre, 1st Floor, Kolkata – 700 017

**TEL.:** (033) 22894255/56, FAX: 2289-4254

**FACTORY:** Gokulpur, P. O.: Shyamraipur, Dist.: West Midnapur (W. B.), INDIA. TEL.: (03222) 234533

For Domestic Inquires: [info@rashmigroup.com](mailto:info@rashmigroup.com), [salesgovt@rashmigroup.com](mailto:salesgovt@rashmigroup.com)

For Export Enquires: [exportsales@rashmigroup.com](mailto:exportsales@rashmigroup.com)

Website: [www.rashmigroup.com](http://www.rashmigroup.com). CIN No.: U27109WB2004PLC097737

## International Sales Offices

### United Arab Emirates

RASHMI PIPE & FITTING FZCO

Cluster R, Jumeirah  
Lake Towers (JLT),

### United Kingdom

RASHMI METALIKS UK LTD.

3rd Floor, 5 Lloyd's  
Avenue,

### Singapore

RASHMI AQUA PTE LTD.

137 Telok Ayer  
Street, #05-02