

WEIZIDOM



WEIZIDOM GROUP

集团总部：中国·郑州华南城中原电商大厦
分工厂：天津·安徽·山东·连云港·温州
驻外分公司：非洲·坦桑尼亚·赞比亚·肯尼亚

销售热线：+86-13849013722

www.wdsolution.com
www.wsdvalves.com

www.facebook.com/hawsd

Group headquarters: Central Plains E-Commerce Building, Zhengzhou South City, China
Branch Factory: Tianjin, Anhui, Shandong, Lianyungang, Wenzhou
Branch Company in Overseas: Tanzania, Zambia, Kenya in Africa

Sales Hotline: +86-13849013722

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www.linkedin.com/company/henan-wesdom



Pipe Fittings

WEIZIDOM GROUP

WEIZIDOM GROUP

Enterprise Social Responsibility

WEIZIDOM are not only concerned about products, services and solutions.

WEIZIDOM promise to implement sustainable development and benefit society with energy-saving and environmental protection.

Our Purpose: People-Oriented, Hard Work, Never forget the original intention, Innovation and forge ahead.

Our Mission: To be a high-quality supplier of fluid control systems and plan maker; To contribute our wisdom and strength to the development of the cutting-edge technology of fluid control systems.

Our Vision: Explore the internal innovation spirit and creativity, pursuit, innovation and continuous improvement. Use wisdom, foresight and hard work to make "WEIZIDOM" a world-renowned brand; Make the group company grow into a respectable "Four Satisfaction" enterprise.

Customer Satisfaction: Use high-quality products and refined services to add value to customers.

Employee Satisfaction: People-oriented, build a platform for all employees to realize their dreams, everyone is the CEO.

Partner Satisfaction: Mutual promotion, improve, mutual benefit and win-win.

Shareholder Satisfaction: Enable the company to develop and grow, and return profits.

Our Values: Create differentiated value-added services for customers, let everyone in the company has a sense of accomplishment.



WEIZIDOM GROUP

Development History



2010

WESDOM was established

In December 2010, WESDOM was registered with a registered capital of 5 million yuan;

June 2013, WESDOM passed ISO and other international certifications;

2015

WESDOM established the first overseas branch

In June 2014, TIANJIN WESDOM VALVE MANUFACTURING CO.,LTD. was established in Tianjin, where the production of butterfly valves is concentrated;

2016

WESDOM products are exported to overseas regions and markets

In July 2015, the first overseas branch company WEISIDUN MATERIAL SOLUTION COMPANY was established in the beautiful African continent –Tanzania, and WESDOM began to expand into the international market;

In December 2015, WESDOM established a special foreign trade import and export company in Zhengzhou, the hinterland of the Central Plains HENAN WEISIDUN IMPORT AND EXPORT TRADE CO.,LTD., to make up for the domestic shortcomings of entering the international market;

In 2016, WESDOM brand products have been exported to Tanzania, Zambia, Egypt, Turkey, Pakistan, Thailand, Indonesia, Vietnam, the Philippines, Saudi Arabia, Mexico and other countries and regions;

In 2017, the company carried out production, procurement adjustments and layouts, expanded product series, initially formed a production and procurement system for water series products (control and connection systems), and established a procurement system for major production clusters across the south and north. ;

2018

Zambia branch was established, and the group company expanded its measurement products series

In January 2018, the second exclusive import and export company was established—HENAN WESDOM FLOW CONTROL CO.,LTD. In August of the same year, the second overseas branch company –WESDOM VALVES AND FITTINGS COMPANY LIMITED was established in Zambia, Africa;

In 2020, under the influence of the unfavorable factors of the domestic and foreign epidemic situation, the company has achieved the goal of breaking 100 million yuan in addition to the continuous growth of sales.

2019

WESDOM launched a series of plastic materials

In 2018, the series of measurement products (water meters, flow meters) were expanded, and the supply chain system was further enriched and improved;

In April 2021, the Kenya branch WESDOM VALVES AND FITTINGS(K) CO LIMITED was established and operated well, its products occupy the African market successfully.

2020

WESDOM sales exceeded 20 million USD

In 2019, a series of plastic material products were launched; the company's valves and pipe fittings passed the CE certification; WESDOM overall sales performance exceeded 90 million in the same year;

To be continued...

2021

Kenya branch is established, WESDOM products occupy the African market

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WEIZIDOM GROUP

Company Introduction

WESDOM Group specializes in pipeline fluid systems: R&D, production and sales of valves, pipe fittings, water meters, flow meters, etc. The products cover cast iron, cast steel, stainless steel, copper, plastic and other materials, which are widely used in hydropower stations, heat, buildings, Water supply and drainage, petroleum, chemical industry, electric power, medical and other fields.

In recent years, WESDOM Group has actively embraced the era of Internet of Everything, committed to IoT terminal control and artificial intelligence design, big data mining and development, and promoted smart hardware to move towards big data center and wisdom with excellent market foresight and technological innovation. The smart cities, smart heating, smart water and other fields are in progress.

In the early stage, the Internet of Things smart valves and smart water meters were developed to promote and apply smart control systems such as municipal heating and municipal water supply.

In terms of quality control, we have strict control procedures. From the raw materials entering the factory to the final product leaving the factory, after 24 quality inspection passes, each pass must ensure that the product quality is 100% qualified before it can flow into the next process, thus ensuring that the qualified rate of the finished products. WESDOM products can well meet the Chinese standard like GB, JB, HB; American standard like API, ASME, AWWA; British and EU standards like BS, EN, ISO; German standard DIN; Japanese standard JIS; Russian standard GOST and other standards.

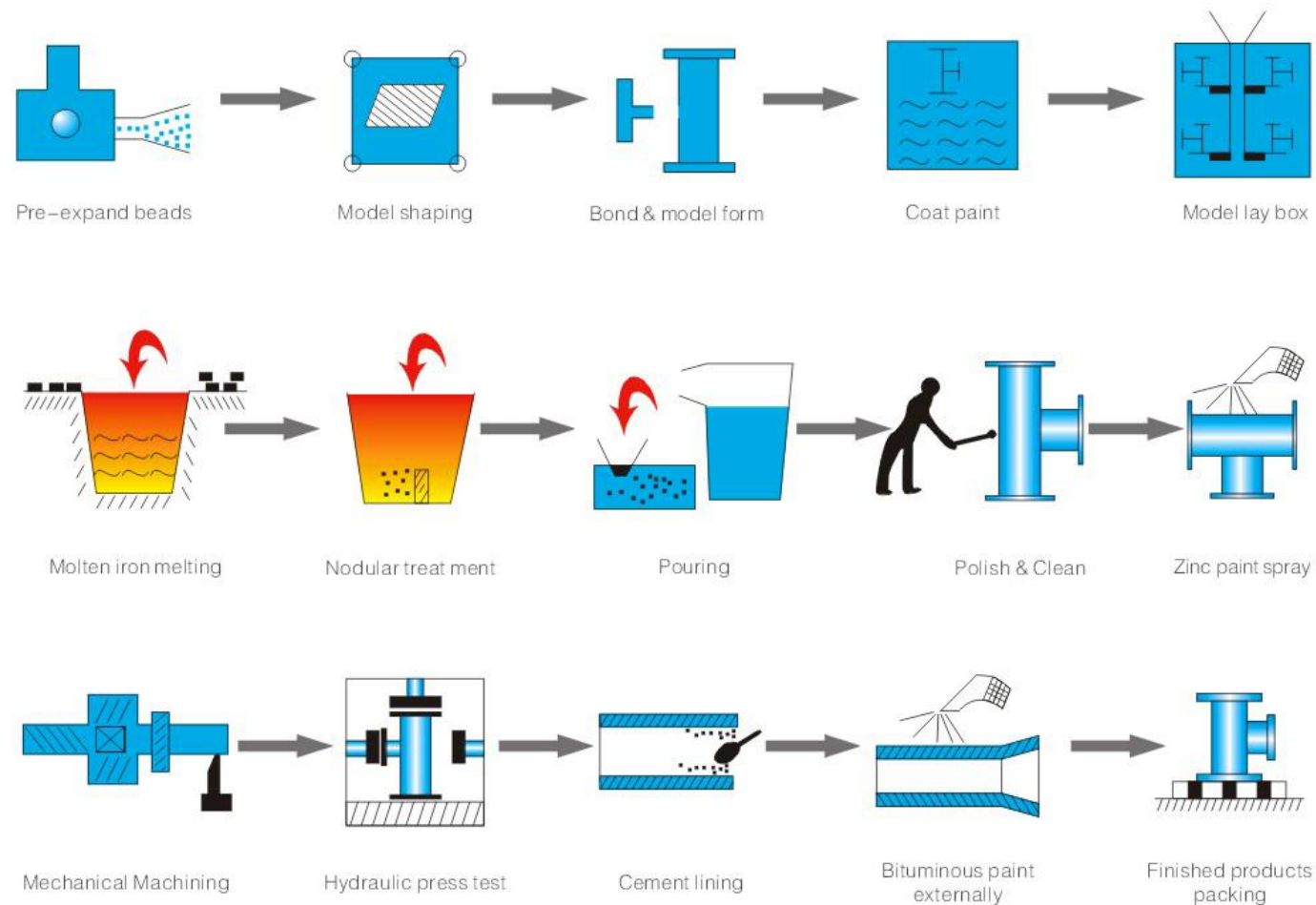


Company Qualification



WEIZIDOM GROUP

Production Process Flow of Ductile Cast Iron Fittings



Application Field



Industrial Pipelines Solutions



Mining

- Acid leaching solvent extraction
- Mud transmission
- Cooling System



Power Generation

- Water and electricity
- Flue gas desulfurization system
- Flue gas desulfurization system
- Cooling water system
- Steam System
- Waste incineration power generation
- Renewable energy



Chemical Industry

- Chemical production
- Distribution system
- Surface treatment
- Biofuels



Building

- Water supply and drainage
- Heating ventilation and air conditioning



Steel

Water engineering valves and air valves are used to control the gases in the steel production



Oil and Gas

- Crude oil processing plant
- Petroleum refinery



01 Galvanized Pipe



11 Galvanized Pipe Fittings



13 Carbon Steel Pipe Fittings



16 Flange



36 Cast Iron Pipe Fittings



47 Joint



56 Multi-Function Pipe Repair & Coupling



68 Groove Pipe Fitting



85 Fire Control Series

ERW Steel Pipe

Galvanized Pipe

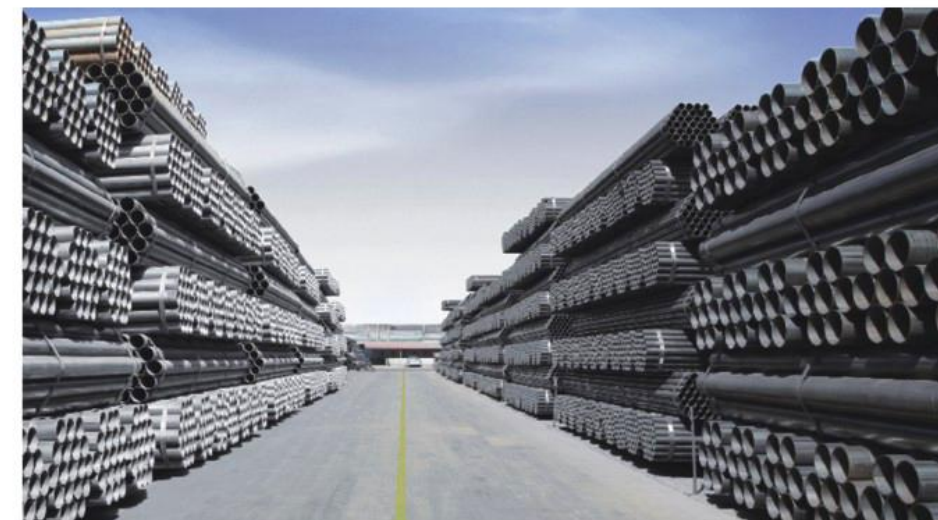


ERW Steel Pipe Production Line

ERW Steel Pipe

Size: DN15–200mm

Usage: Widely used in low pressure liquid delivery such as water, gas, air, oil and steam and for machine structural purposes.



ERW Steel Pipe Yard

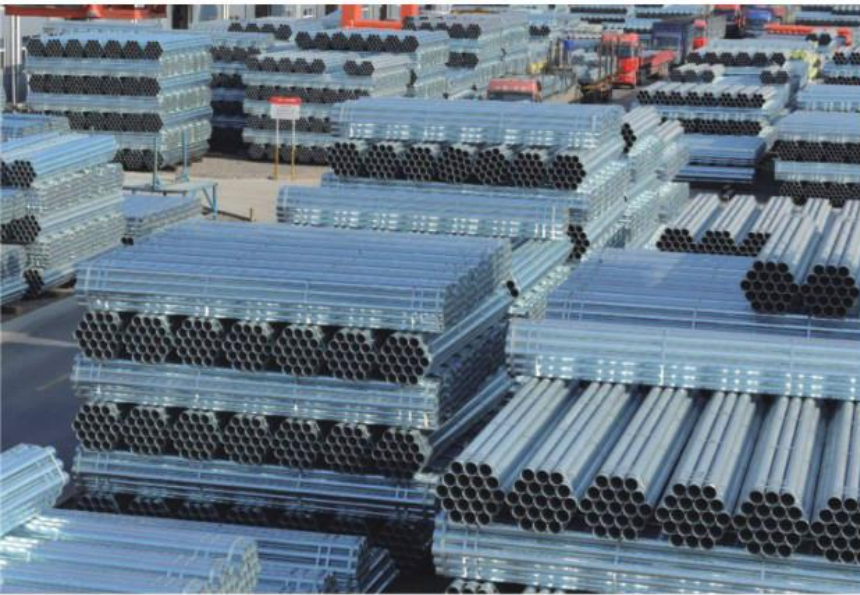


ERW Steel Pipe Production Line

Hot dipped galvanized steel pipe

Square / Rectangular steel pipe

Galvanized Pipe



Hot Dipped Galvanized Steel Pipe



Hot Dipped Galvanized Square Pipe



Square Tube Production Line

Hot Dipped Galvanized Steel Pipe

Round Pipe: DN 15–200mm

Square Pipe: 20 × 20–200 × 200mm

Rectangular Pipe: 20 × 40–100 × 200mm

Spiral Pipe: 219–1420mm

Flat Steel / Angle Steel / Channel Steel and L–steel.

Usage: Used for delivery of low pressure liquid such as water, gas, air, steam for heating and for machine structural purposes

Square / Rectangular Steel Pipe

Square Steel Pipe: 20 × 20–400 × 400mm

Rectangular Pipe: 20 × 40–300 × 500mm

WT: 1.5–12mm

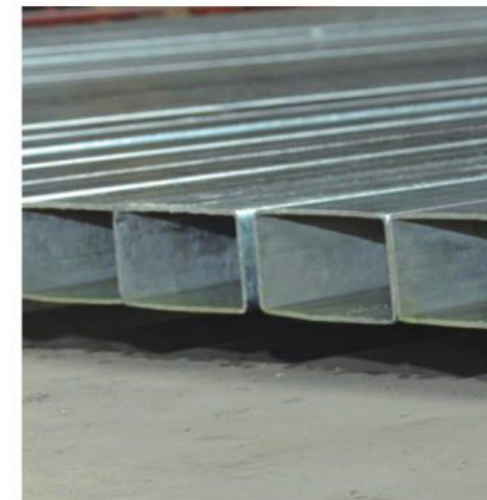
Usage: The Products are widely used in steel structure, mechanical, manufacturing, construction, automobile manufacturing, shipbuilding, electricity and so on.



Hot Dipped Galvanized Steel Pipe



Hot Dipped Galvanized Steel Pipe



Rectangular Tube



Rectangular Tube Yard



Square Tube

Steel pipe of lining plastic

Plastic-Coated Steel Pipe

Galvanized Pipe



Steel Pipe of Lining Plastic Production Line

Plastic Coated Composite Pipe Production Workshop

Steel Pipe of Lining Plastic

Size: DN15–300mm round pipe
 Usage: High-level drinking water convey

Plastic-Coated Steel Pipe

Size: DN15–DN500
 Usage: Water supply, fire protection, wire and cable pipe, vent pipe



Steel Pipe of Lining Plastic for Cold Water

Steel Pipe of Lining Plastic for Hot Water

Plastic Coated Composite Pipe Production Workshop



Spiral Steel Pipe Production Line

SSAW Steel Pipe

Specification: $\Phi 219-2020\text{mm}$, Max wall thickness: 20mm

Usage: Used for the line pipe of petroleum, gas and delivery of low pressure liquid such as water, gas, air, steam for heating, and for piles and the construction field for structure.



3PE Spiral Steel Pipe



Spiral Steel Pipe Yard



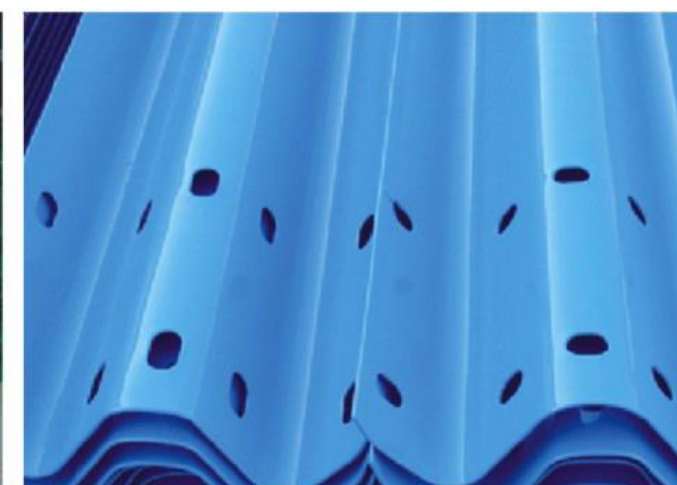
Spray Lines



Discourage Block Column Cap



Spray Plate



Spray Wave Beam Steel Guardrail

Highway Materials

wave beam steel guardrail steel column
discourage block column cap ends



Wave Beam Steel Guardrail



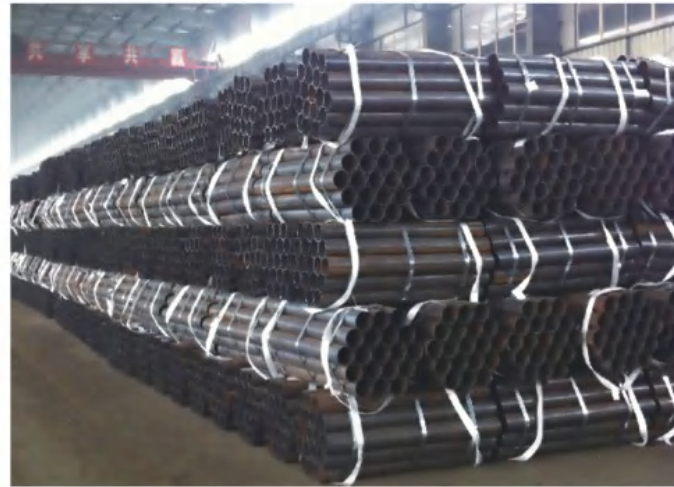
Square Steel Columns



Round Steel Columns



Grooved with caps



Cut In Short Length



PVC Wrapped



Threaded with Coupling



Oiled and PVC Wrapped



Painted

BS EN 10255 Steel Tubes and Tubular Suitable for Screwing to BS EN 10226 Pipe Threads

Series	Nominal Size		Outside Diameter				Wall Thickness		Mass of Black Tube					
			Max		Min				Plain End			Screwed and Socketed		
	Inch	DN	in	mm	in	mm	in	mm	lb/ft	kg/ft	kg/m	lb/ft	kg/ft	kg/m
L	1/2	15	0.854	21.7	0.827	21.0	0.091	2.3	0.726	0.329	1.08	0.732	0.332	1.09
	3/4	20	1.067	27.1	1.039	26.4	0.091	2.3	0.941	0.427	1.4	0.947	0.430	1.41
	1	25	1.339	34.0	1.307	33.2	0.114	2.9	1.478	0.671	2.2	1.492	0.677	2.22
	1 1/4	32	1.681	42.7	1.650	41.9	0.114	2.9	1.895	0.860	2.82	1.915	0.869	2.85
	1 1/2	40	1.913	48.6	1.882	47.8	0.114	2.9	2.184	0.991	3.25	2.211	1.003	3.29
	2	50	2.390	60.7	2.346	59.6	0.126	3.2	3.031	1.375	4.51	3.078	1.396	4.58
	2 1/2	65	2.992	76.0	2.961	75.2	0.126	3.2	3.864	1.753	5.75	3.944	1.789	5.87
	3	80	3.492	88.7	3.461	87.9	0.126	3.2	4.543	2.060	6.76	4.657	2.112	6.93
	3 1/2	90	3.984	101.2	3.949	100.3	0.142	3.6	5.846	2.652	8.7	5.967	2.707	8.88
	4	100	4.484	113.9	4.449	113.0	0.142	3.6	6.605	2.996	9.83	6.787	3.078	10.1
L1	5	125	5.543	140.8	5.453	138.5	0.117	4.5	10.080	4.572	15	10.416	4.724	15.5
	6	150	6.555	166.5	6.453	163.9	0.117	4.5	11.961	5.425	17.8	12.364	5.608	18.4
	1/2	15	0.854	21.7	0.827	21.0	0.091	2.3	0.726	0.329	1.08	0.732	0.332	1.09
	3/4	20	1.067	27.1	1.039	26.4	0.091	2.3	0.934	0.424	1.39	0.941	0.427	1.4
	1	25	1.339	34.0	1.307	33.2	0.114	2.9	1.478	0.671	2.2	1.492	0.677	2.22
	1 1/4	32	1.681	42.7	1.650	41.9	0.114	2.9	1.895	0.860	2.82	1.915	0.869	2.85
	1 1/2	40	1.913	48.6	1.882	47.8	0.114	2.9	2.177	0.988	3.24	2.204	1.000	3.28
	2	50	2.390	60.7	2.346	59.6	0.126	3.2	3.017	1.369	4.49	3.064	1.390	4.56
	2 1/2	65	3.004	76.3	2.961	75.2	0.126	3.2	3.850	1.747	5.73	3.931	1.783	5.85
	3	80	3.520	89.4	3.461	87.9	0.142	3.6	5.073	2.301	7.55	5.188	2.353	7.72
L2	4	100	4.524	114.9	4.449	113.0	0.157	4.0	7.257	3.292	10.8	7.459	3.383	11.1
	1/2	15	0.843	21.4	0.827	21.0	0.079	2.0	0.636	0.289	0.947	0.642	0.291	0.956
	3/4	20	1.059	26.9	1.039	26.4	0.091	2.3	0.927	0.421	1.38	0.934	0.424	1.39
	1	25	1.331	33.8	1.307	33.2	0.102	2.6	1.331	0.604	1.98	1.344	0.610	2
	1 1/4	32	1.673	42.5	1.650	41.9	0.102	2.6	1.707	0.774	2.54	1.727	0.783	2.57
	1 1/2	40	1.906	48.4	1.882	47.8	0.114	2.9	2.170	0.985	3.23	2.197	0.997	3.27
	2	50	2.370	60.2	2.346	59.6	0.114	2.9	2.742	1.244	4.08	2.789	1.265	4.15
	2 1/2	65	2.992	76.0	2.961	75.2	0.126	3.2	3.837	1.740	5.71	3.918	1.777	5.83
	3	80	3.492	88.7	3.461	87.9	0.126	3.2	4.516	2.048	6.72	4.630	2.100	6.89
	4	100	4.484	113.9	4.449	113.0	0.142	3.6	6.552	2.972	9.75	6.720	3.048	10
H	1/2	15	0.858	21.8	0.827	21.0	0.126	3.2	0.968	0.439	1.44	0.974	0.442	1.45
	3/4	20	1.075	27.3	1.043	26.5	0.126	3.2	1.257	0.570	1.87	1.263	0.573	1.88
	1	25	1.346	34.2	1.311	33.3	0.157	4.0	1.969	0.893	2.93	1.982	0.899	2.95
	1 1/4	32	1.689	42.9	1.654	42.0	0.157	4.0	2.547	1.155	3.79	2.567	1.164	3.82
	1 1/2	40	1.921	48.8	1.886	47.9	0.157	4.0	2.937	1.332	4.37	2.963	1.344	4.41
	2	50	2.394	60.8	2.350	59.7	0.177	4.5	4.159	1.887	6.19	4.207	1.908	6.26
	2 1/2	65	3.016	76.6	2.965	75.3	0.177	4.5	5.329	2.417	7.93	5.409	2.454	8.05
	3	80	3.524	89.5	3.465	88.0	0.197	5.0	6.921	3.139	10.3	7.056	3.200	10.5
	4	100	4.528	115.0	4.453	113.1	0.213	5.4	9.744	4.420	14.5	9.945	4.511	14.8
	5	125	5.543	140.8	5.453	138.5	0.213	5.4	12.028	5.456	17.9	12.364	5.608	18.4
M	6	150	6.555	166.5	6.453	163.9	0.213	5.4	14.313	6.492	21.3	14.716	6.675	21.9
	1/2	15	0.858	21.8	0.827	21.0	0.102	2.6	0.813	0.369	1.21	0.820	0.372	1.22
	3/4	20	1.075	27.3	1.043	26.5	0.102	2.6	1.048	0.475	1.56	1.055	0.479	1.57
	1	25	1.346	34.2	1.311	33.3	0.126	3.2	1.619	0.735	2.41	1.633	0.741	2.43
	1 1/4	32	1.689	42.9	1.654	42.0	0.126	3.2	2.083	0.945	3.1	2.103	0.954	3.13
	1 1/2	40	1.921	48.8	1.886	47.9	0.126	3.2	2.392	1.085	3.56	2.419	1.097	3.6
	2	50	2.394	60.8	2.350	59.7	0.142	3.6	3.380	1.533	5.03	3.427	1.554	5.1
	2 1/2	65	3.016	76.6	2.965	75.3	0.142	3.6	4.314	1.957	6.42	4.395	1.993	6.54
	3	80	3.524	89.5	3.4JB5	88.0	0.157	4.0	5.618	2.548	8.36	5.732	2.600	8.53
	4	100	4.528	115.0	4.453	113.1	0.177	4.5	8.198	3.179	12.2	8.400	3.810	12.5
	5	125	5.543	140.8	5.453	138.5	0.197	5.0	11.155	5.060	16.6	11.491	5.212	17.1
	6	150	6.555	166.5	6.453	163.9	0.197	5.0	13.305	6.035	19.8	13.703	6.218	20.4

BS 1387/85 Steel Tubes and Tubular Suitable for Screwing to BS 21 Pipe Threads

Series	Nominal Size		Outside Diameter				Wall Thickness		Mass of Black Tube					
			Max		Min				Plain End			Screwed and Socketed		
	Inch	DN	in	mm	in	mm	in	mm	lb/ft	kg/ft	kg/m	lb/ft	kg/ft	kg/m
Light	1/2	15	0.841	21.4	0.825	21.0	0.080	2.0	0.636	0.289	0.947	0.646	0.293	0.956
	3/4	20	1.059	26.9	1.041	26.4	0.090	2.3	0.927	0.421	1.38	0.954	0.433	1.39
	1	25	1.328	33.8	1.309	33.2	0.104	2.6	1.330	0.604	1.98	1.360	0.617	2
	1 1/4	32	1.670	42.5	1.650	41.9	0.104	2.6	1.710	0.774	2.54	1.750	0.794	2.57
	1 1/2	40	1.903	48.4	1.882	47.8	0.116	2.9	2.170	0.985	3.23	2.220	1.010	3.27
	2	50	2.370	60.2	2.347	59.6	0.116	2.9	2.740	1.240	4.08	2.810	1.270	4.15
	2 1/2	65	2.991	76.0	2.960	75.2	0.126	3.2	3.840	1.740	5.71	3.980	1.810	5.83
	3	80	3.491	88.7	3.460	87.9	0.126	3.2	4.520	2.050	6.72	4.490	2.130	6.89
Medium	4	100	4.481	113.9	4.450	113.0	0.142	3.6	6.550	2.970	9.75	6.840	3.100	10
	1/2	15	0.586	21.7	0.831	21.1	0.104	2.6	0.813	0.369	1.21	0.828	0.376	1.22
	3/4	20	1.072	27.2	1.047	26.6	0.104	2.6	1.050	0.475	1.56	1.070	0.485	1.57
	1	25	1.346	34.2	1.316	33.4	0.126	3.2	1.620	0.735	2.41	1.650	0.748	2.43
	1 1/4	32	1.687	42.9	1.657	42.1	0.126	3.2	2.080	0.945	3.1	2.130	0.966	3.13
	1 1/2	40	1.919	48.8	1.889	48.0	0.126	3.2	2.400	1.090	3.57	2.460	1.120	3.61
	2	50	2.394	60.8	2.354	59.8	0.142	3.6	3.380	1.530	5.03	3.470	1.570	5.1
	2 1/2	65	3.014	76.6	2.969	75.4	0.142	3.6	4.320	1.960	6.43	4.460	2.020	6.55
	3	80	3.524	89.5	3.469	88.1	0.157	4.0	5.620	2.550	8.37	5.800	2.630	8.54
	4	100	4.524	114.9	4.459	113.3	0.177	4.5	8.200	3.720	12.2	8.340	3.780	12.5
	5	125	5.534	140.6	5.549	138.7	0.196	5.0	11.15	5.060	16.6	11.20	5.080	17.1
	6	150	6.539	166.1	6.459	164.1	0.196	5.0	13.24	6.000	19.7	13.30	6.030	20.3
	1/2	15	0.856	21.7	0.831	21.1	0.126	3.2	0.968	0.439	1.44	0.983	0.446	1.45
	3/4	20	1.072	27.2	1.047	26.6	0.126	3.2	1.260	0.570	1.87	1.280	0.581	1.88
	1	25	1.346	34.2	1.136	33.4	0.157	4.0	1.980	0.896	2.94	2.010	0.912	2.96
	1 1/4	32	1.687	42.9	1.657	42.1	0.157	4.0	2.550	1.160	3.8	2.600	1.180	3.83
Heavy	1 1/2	40	1.919	48.8	1.889	48.0	0.157	4.0	2.940	1.340	4.38	3.010	1.370	4.42
	2	50	2.394	60.8	2.354	59.8	0.177	4.5	4.160	1.890	6.19	4.190	1.900	6.26
	2 1/2	65	3.014	76.6	2.969	75.4	0.177	4.5	5.330	2.420	7.93	5.390	2.440	8.05
	3	80	3.524	89.5	3.469	88.1	0.196	5.0	6.920	3.140	10.3	6.870	3.120	10.5
	4	100	4.524	114.9	4.459	113.3	0.212	5.4	9.740	4.420	14.5	9.910	4.500	14.8
	5	125	5.534	140.6	5.459	138.7	0.212	5.4	12.30	5.460	17.9	12.30	5.580	18.4
	6	150	6.539	166.1	6.459	164.1	0.212	5.4	14.31	6.490	21.3	14.70	6.670	21.9



Galvanized Pipe Fittings





适用于额定工作压力(1.6MPa)和工作温度(200℃)范围内, 输送液体如: 水, 油, 气(天然气、煤气、水蒸气)等一般管路连接。

表面处理: 涂漆、喷涂、热镀锌、电镀锌

执行标准

企业标准 Q/JZ 01-2009(修改采用日本标准JIS B2301)

国家标准 GB/T 3287-2000

国际标准 ISO5922/ISO46/ISO7-1

英国欧盟标准 BS EN1562:1997

德国标准 DIN2950/1692/2999

美国标准 ANSI/ASTM A 197/A 197M-2000

ANSI/ASTM 16.3-92/B1.20.1-83

材料机械性能

抗拉强度 $\geq 330\text{MPa}$; 伸长率 $\geq 8\%$; 硬度 $\leq \text{HB150}$

Suitable for pressure Max 1.6MPa, temperature Max 200℃, and for pipeline holding water, oil, gas, etc.

Finishing: (Black) Painting, Galvanizing, Electro-plating

Standards

Company Standard: Q/JZ 01-2009(Partially based on JIS B2301)

GB/T 3287-2000

ISO5922/ISO46/ISO7-1

BS EN1562:1997

DIN2950/1692/2999

ANSI/ASTM A 197/A 197M-2000

ANSI/ASTM 16.3-92/B1.20.1-83

Mechanical Properties

Tensile Strength $\geq 330\text{MPa}$; Elongation rate $\geq 8\%$; Hardness $\leq \text{HB150}$



Galvanized pipe fittings

Galvanized Pipe Fittings



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More products are
welcome to call

Carbon Steel Pipe Fittings



Wall thickness schedule

GB12459 GB/T13401

Nominal diameter DN	Outside Diameter D		Nominal wall Thickness T														
	A series	B series	Sch5s	Sch10s	Sch20s	LG	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160
15	21.3	18	1.6	2.1	2.6	-	-	-	-	2.9	-	-	3.6	-	-	-	4.5
20	26.9	25	1.6	2.1	2.6	-	-	-	-	2.9	-	-	4.0	-	-	-	5.6
25	33.7	32	1.6	2.8	3.2	-	-	-	-	3.2	-	-	4.5	-	-	-	6.3
32	42.4	38	1.6	2.8	3.2	-	-	-	-	3.6	-	-	5.0	-	-	-	6.3
40	48.3	45	1.6	2.8	3.2	-	-	-	-	3.6	-	-	5.0	-	-	-	7.1
50	60.3	57	1.6	2.8	3.6	-	3.2	-	-	4.0	-	-	5.6	-	-	-	8.8
65	76.1(73)	76	2.0	3.0	3.6	-	4.5	-	-	5.0	-	-	7.1	-	-	-	10.0
80	88.9	89	2.0	3.0	4.0	-	4.5	-	-	5.6	-	-	8.0	-	-	-	11.0
90	101.6	-	2.0	3.0	4.0	-	4.5	-	-	5.6	-	-	8.0	-	-	-	12.5
100	114.3	108	2.0	3.0	4.0	-	5.0	-	-	5.9	-	-	8.8	-	11.0	-	14.2
125	139.7	133	2.9	3.4	5.0	-	5.0	-	-	6.3	-	-	10.0	-	12.5	-	16.0
150	168.3	159	2.9	3.4	5.0	-	5.6	-	-	7.1	-	-	11.0	-	14.2	-	17.5
200	219.1	219	2.9	4.0	6.3	-	6.3	7.1	-	8.0	10.0	-	12.5	16.0	17.5	20.0	22.2
250	273.0	273	3.6	4.0	6.3	-	6.3	8.0	-	8.8	12.5	-	16.0	17.5	22.2	25.0	28.0
300	323.9	325	4.0	4.5	6.3	-	6.3	8.8	-	10.0	14.2	-	17.5	22.2	25.0	28.0	32.0
350	355.6	377	4.0	5.0	8.0	8.0	8.0	10.0	10.0	11.0	16.0	13.0	20.0	25.8	28.0	32.0	36.0
400	406.4	426	4.0	5.0	8.0	8.0	8.0	10.0	10.0	12.5	17.5	13.0	22.2	28.0	30.0	36.0	40.0
450	457.0	478	4.0	5.0	8.0	8.0	8.0	11.0	10.0	14.2	20.0	13.0	25.0	30.0	36.0	40.0	45.0
500	508.0	529	5.0	5.6	8.0	8.0	10.0	12.5	10.0	16.0	20.0	13.0	28.0	32.0	40.0	45.0	50.0
550	559	-	5.0	5.6	-	8.0	-	-	10.0	-	-	13.0	30.0	-	-	-	-
600	610	630	5.6	6.3	-	8.0	-	-	10.0	17.5	-	13.0	32.0	-	-	-	-
650	660	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
700	711	720	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
750	762	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
800	813	820	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
850	864	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
900	914	920	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
950	965	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1000	1016	1020	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1050	1067	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1100	1118	1120	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1150	1168	-	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-
1200	1219	1220	-	-	-	8.0	-	-	10.0	-	-	13.0	-	-	-	-	-

Manufacturing standards

GB12459-90	Steel butt-welded seamless pipe fittings
GB/T13401-92 GB/14383-93	Butt-welded pipe fittings made of steel plate
SH3408-96	Steel butt-welded seamless pipe fittings
SH3409-96	Butt-welded pipe fittings made of steel plate
SH3410-96	Socket welded pipe fittings
GD87-1101	Typical design of steam pipe parts and components in thermal power plant
HGJ514-87	Seamless butt-welding pipe fittings of carbon steel and low alloy steel
SY7510-87	Butt-welded steel pipe fittings
ISO5251-1981(E)	Stainless steel butt-welding fittings
ISO3419-1981(E)	Non-alloy and alloy steel butt-welding fittings
ANSI B16.9(1986)	Factory-made wrought Steel butt-welding fittings
ANSI B16.11(1980)	Forged steel fittings, socket-welding and threaded
ANSI B16.28(1986)	Wrought steel butt-welding short elbows and returns
ASTM A234	Elevated austenitic stainless steel and alloy steel for moderate and
	Elevated temperatures
ASTM A403	Wrought austenitic stainless steel and alloy steel for moderate
	Elevated temperatures
DIN 2605-2642	Steel butt-welded seamless pipe fittings
	Butt-welded pipe fittings made of steel plate
JIS B2311-1982	The general distribution pipe is made of steel sudden joint and dissolution type pipe relay
JIS B2312-1982	The distribution pipe is made of steel sudden joint and dissolving type pipe relay
JIS B2313-1982	The steel plate of the distribution pipe is used to make the sudden joint and dissolution type pipe relay
JIS B2316-1982	The distribution pipe is made of steel differential solubility type pipe relay
ANSI-GB and industry standards	Flat welding, butt welding flange series products
	We can also produce it according to customers' drawings and standards.

Material

10#, 20#, 20g, A3, 16Mn, 16MnR, Cr5Mo, 15CrMo, 12CrMo, 12Cr1Mov, Cr2Mo, Cr9Mo, 10CrMo910, 15Cr1Mo1v, 1Cr18Ni9Ti, 0Cr18Ni9, Cr25Ni20, 00Cr18Ni10, 00Cr17Ni14Mo2, 0Cr17Ni12MoTi
ASTM A234, A403, 304, 304L, 316, 316L
As for various Cu, AL, Ti and alloy materials, we can manufacture the products according to customers' materials.

Manufacturing ranges

Elbows	(Steel pipe)	DN15-DN800
	(Steel plate)	DN300-DN1400
	(180°)	DN40-DN400
Three way, Four way	(Steel pipe)	DN15-DN500
	(Steel plate)	DN300-DN1400
Reducers	(Steel pipe)	DN15-DN800
	(Steel plate)	DN300-DN1400
Caps		DN32-DN2000
Steel socket-welded fittings		DN15-DN80
Long radius bends		DN40-DN600, R≥2D
Flanges	Forged butt welding flange	DN15-DN600
	Flat welding flange made of steel plate	DN15-DN1200
	Flange cover made of steel plate	DN15-DN1200

Technical parameters of pipe fittings

Carbon Steel Pipe Fittings

Applicable standards

ASME Standards	
B16.9	Factory-Made Wrought Steel Butt welding Fittings
B16.28	Wrought Steel Butt welding Short Radius Elbows and Returns
B16.25	Butt welding Ends
B36.10	Welded and Seamless Wrought Steel Pipe
B36.19	Stainless Steel Pipe

ASME Standards	
A234	Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and high Temperature Service
A403	Wrought Austenitic Stainless Steel Piping Fittings
A420	Piping Fittings of Wrought Carbon Steel and Alloy Steel Low Temperature Service
A815	Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings

MSS Standards	
SP-43	Wrought Stainless Steel Butt-Welding Fittings
SP-75	High Test Wrought Butt-Welding Fittings
SP-79	Socket Welding Reducer Inserts
SP-87	Factory-Made Butt-Welding Fittings for Class I Nuclear Piping Applications

JIS Standards	
B2220	Steel Welding Pipe Flanges
B2311	Steel Butt-Welding Pipe Fittings for Ordinary Use
B2312	Steel Butt-Welding Pipe Fittings
B2313	Steel Plate Butt-Welding Pipe Fittings
G3452	Carbon Steel Pipes for Ordinary Piping
G3454	Carbon Steel Pipes for Pressure Service
G3457	Arc Welded Carbon Steel Pipes

DIN Standards	
2605-1	Steel Butt-Welding Pipe Fittings; Elbows and Bends with Reduced Pressure Factor
2609	Steel Butt-Welding Pipe Fittings; Technical Delivery Conditions
2615-1	Steel Butt-Welding Pipe Fittings; Tees with Reduced Pressure Factor
2615-2	Steel Butt-Welding Pipe Fittings; Tee For Use at Full Service Pressure
2616-1	Steel Butt-Welding Pipe Fittings; Eccentric Reducers with Reduced Pressure Factor
2616-2	Steel Butt-Welding Pipe Fittings; Reducers for Use at Full Service Pressure
2617	Steel Butt-Welding Pipe Fittings; Caps
1626	Welded Circular Unalloyed Steel Tubes Subject to Special Requirement; Technical
	Delivery Conditions
1629	Seamless Circular Unalloyed Steel Tubes Subject to Special Requirements; Technical
	Delivery Conditions
17175	Seamless Tubes of Heat-Resistant Steels; Technical Conditions of Delivery
50049	Materials Testing Certificates

EN(European) Standards	
10204	Inspection Documents for Metallic Products
10253-1	Butt-Welding Pipe Fittings; Wrought Carbon Steel for General Use and Without Specific
	Inspection Requirements

NACE Standards	
Mr0175	Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment

Flange



Outside diameter and wall thickness

Flange

GB/T12459-2017 SH3408, SH3409 ASME B36.10M B36.16M

Nominal Pipe Size	Outside Diameter D		Nominal Wall Thickness																
	A	B	SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s	STD	SCH 40	SCH 60	SCH 80s	XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	XXS
15	21.3	18	1.65	2.11	-	-	-	2.77	2.77	2.77	-	3.73	3.73	3.73	-	-	-	4.78	7.47
20	26.9	25	1.65	2.11	-	-	-	2.87	2.87	2.87	-	3.91	3.91	3.91	-	-	-	5.56	7.82
25	33.7	32	1.65	2.77	-	-	-	3.38	3.38	3.38	-	4.55	4.55	4.55	-	-	-	6.35	9.09
32	42.4	38	1.65	2.77	-	-	-	3.56	3.56	3.56	-	4.85	5.08	4.85	-	-	-	6.35	9.70
40	48.3	45	1.65	2.77	-	-	-	3.68	3.68	3.68	-	5.08	5.54	5.08	-	-	-	7.14	10.15
50	60.3	57	1.65	2.77	-	-	-	3.91	3.91	3.91	-	5.54	8.08	5.54	-	-	-	8.74	11.07
65	73.0	76	2.11	3.05	-	-	-	5.16	5.16	5.16	-	7.01	8.56	7.01	-	-	-	9.53	14.02
80	88.9	89	2.11	3.05	-	-	-	5.49	5.49	5.49	-	7.62	9.53	7.62	-	-	-	-	15.24
90	101.6	-	2.11	3.05	-	-	-	5.74	5.74	5.74	-	8.08	10.97	8.08	-	-	-	11.13	-
100	114.3	108	2.11	3.05	-	-	-	6.02	6.02	6.02	-	8.56	12.70	8.56	-	11.13	-	13.49	17.12
125	141.3	133	2.77	3.40	-	-	-	6.55	6.55	6.55	-	9.53	12.70	9.53	-	12.70	-	15.88	19.05
150	168.3	159	2.77	3.40	-	-	-	7.11	7.11	7.11	-	10.97	12.70	10.97	-	14.27	-	18.26	21.95
200	219.1	219	2.77	3.76	-	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	273.0	273	3.40	4.57	-	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	323.9	325	3.96	4.78	-	6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40
350	355.6	377	3.96	4.78	6.35	7.92	9.53	-	9.53	11.13	15.09	-	12.70	19.05	23.83	27.79	31.75	35.71	-
400	406.4	426	4.19	4.78	6.35	7.92	9.53	-	9.53	12.70	16.66	-	12.70	21.44	26.19	30.96	36.53	40.49	-
450	457	480	4.19	5.54	6.35	7.92	11.13	-	9.53	14.27	19.05	-	12.70	23.83	29.36	34.93	39.67	45.24	-
500	508	530	4.78	5.54	6.35	9.53	12.70	-	9.53	15.09	20.62	-	12.70	26.19	32.54	38.10	44.45	50.01	-
550	559	-	4.78	6.35	6.35	9.53	12.70	-	9.53	-	22.23	-	12.70	28.58	34.93	41.28	47.63	53.98	-
600	610	630	5.54	6.35	6.35	9.53	14.27	-	9.53	17.48	24.61	-	12.70	30.96	38.89	46.02	52.37	59.54	-
650	660	-	-	6.35	7.92	12.70	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
700	711	720	-	-	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
750	762	-	6.35	7.92	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
800	813	820	-	-	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
850	964	-	-	-	7.92	12.70	15.88	-	9.53	19.05	-	-	12.70	-	-	-	-	-	-
900	914	-	-	-	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
950	965	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-
1000	1016	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-
1050	1067	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-
1100	1118	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-
1150	1168	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-
1200	1219	-	-	-	-	-	-	-	9.53	-	-	-	-	-	-	-	-	-	-

SCH5s, 10s, 20s applies for stainless steel fittings.

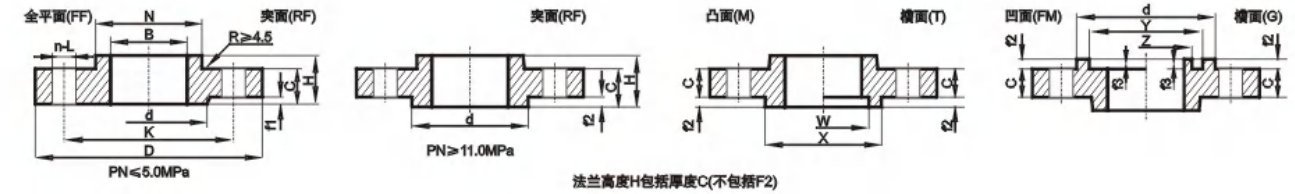
JIS B2311, B2312, B2313

Nominal Pipe Size		Outside Diameter		Nominal Wall Thickness																
DN	NPS	D	SGP	SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s	STD	SCH 40	SCH 60	SCH 80s	XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	XXS
15	1/2	21.7	2.8	1.65	2.1	–	2.5	–	2.8	2.8	2.8	–	3.7	3.7	3.7	–	–	–	4.8	7.5
20	3/4	27.2	2.8	1.65	2.1	–	2.5	–	2.9	2.9	2.9	–	3.9	3.9	3.9	–	–	–	5.6	7.8
25	1	34.0	3.2	1.65	2.8	–	3.0	–	3.4	3.4	3.4	–	4.5	4.5	4.5	–	–	–	6.4	9.1
32	1 1/4	42.7	3.5	1.65	2.8	–	3.0	–	3.6	3.6	3.6	–	4.9	4.9	4.9	–	–	–	6.4	9.7
40	1 1/2	48.6	3.5	1.65	2.8	–	3.0	–	3.7	3.7	3.7	–	5.1	5.1	5.1	–	–	–	7.1	10.2
50	2	60.5	3.8	1.65	2.8	–	3.5	–	3.9	3.9	3.9	–	5.5	5.5	5.5	–	–	–	8.7	11.1
65	2 1/2	76.3	4.2	2.1	3.0	–	3.5	–	5.2	5.2	5.2	–	7.0	7.0	7.0	–	–	–	9.5	14.0
80	3	89.1	4.2	2.1	3.0	–	4.0	–	5.2	5.5	5.2	–	7.6	7.6	7.6	–	–	–	11.1	15.2
90	3 1/2	101.6	4.2	2.1	3.0	–	4.0	–	5.7	5.7	5.7	–	8.1	8.1	8.1	–	–	–	–	–
100	4	114.3	4.5	2.1	3.0	–	4.0	–	6.0	6.0	6.0	–	8.6	8.6	8.6	–	11.1	–	13.5	17.1
125	5	139.8	4.5	2.8	3.4	–	5.0	–	6.6	6.6	6.6	–	9.5	9.5	9.5	–	12.7	–	15.9	19.0
150	6	165.2	5.0	2.8	3.4	–	5.0	–	7.1	7.1	7.1	–	11.0	11.0	11.0	–	14.3	–	18.2	21.9
200	8	216.3	5.8	2.8	4.0	–	6.5	7.0	8.2	8.2	8.2	10.3	12.7	12.7	12.7	15.1	18.2	20.6	23.0	22.2
250	10	267.4	6.6	3.4	4.0	–	6.5	7.8	9.3	9.3	9.3	12.7	12.7	12.7	15.1	18.3	21.4	25.4	28.6	25.4
300	12	318.5	6.9	4.0	4.5	–	6.5	8.4	9.5	9.5	10.3	14.3	12.7	12.7	17.4	21.4	25.4	28.6	33.3	25.4
350	14	355.6	7.9	4.0	5.0	6.4	8.0	9.5	9.5	9.5	11.1	15.1	–	12.7	19.0	23.8	27.8	31.8	35.7	–
400	16	406.4	7.9	4.5	5.0	6.4	8.0	9.5	9.5	9.5	12.7	16.1	–	12.7	21.4	26.2	30.9	36.5	40.5	–
450	18	457.2	7.9	4.5	5.0	6.4	8.0	11.1	9.5	9.5	14.3	19.0	–	12.7	23.8	29.4	34.9	39.7	45.2	–
500	20	508.0	7.9	5.0	5.5	6.4	9.5	12.7	9.5	9.5	15.1	20.6	–	12.7	26.2	32.5	38.1	44.4	50.0	–
550	22	558.8	–	5.0	5.5	6.4	9.5	12.7	9.5	9.5	15.9	22.2	–	12.7	28.6	34.9	41.3	47.6	54.0	–
600	24	609.6	–	5.5	6.5	6.4	9.5	14.3	9.5	9.5	17.5	24.6	–	12.7	31.0	38.9	46.0	52.4	59.5	–
650	26	660.4	–	5.5	8.0	7.9	12.7	–	–	9.5	–	–	–	12.7	34.0	–	–	–	–	–
700	28	711.2	–	5.5	8.0	7.9	12.7	15.9	–	9.5	17.5	–	–	12.7	–	–	–	–	–	–
750	30	762.0	–	6.5	8.0	7.9	12.7	15.9	9.5	9.5	17.5	–	–	12.7	–	–	–	–	–	–
800	32	812.8	–	–	8.0	7.9	12.7	15.9	–	9.5	17.5	–	–	12.7	–	–	–	–	–	–
850	34	863.6	–	–	8.0	7.9	12.7	15.9	–	9.5	17.5	–	–	12.7	–	–	–	–	–	–
900	36	914.4	–	–	8.0	7.9	12.7	15.9	–	9.5	19.1	–	–	12.7	–	–	–	–	–	–
950	38	965.2	–	–	–	–	–	–	–	9.5	–	–	–	12.7	–	–	–	–	–	–
1000	40	1016.0	–	–	9.5	–	14.3	–	–	9.5	26.2	–	–	12.7	–	–	–	–	–	–
1050	42	1066.8	–	–	–	–	–	–	–	9.5	–	–	–	12.7	–	–	–	–	–	–
1100	44	1117.6	–	–	–	–	–	–	–	9.5	–	–	–	12.7	–	–	–	–	–	–
1150	46	1168.4	–	–	–	–	–	–	–	9.5	–	–	–	12.7	–	–	–	–	–	–
1200	48	1219.2	–	–	–	–	–	–	–	9.5	–	–	–	12.7	–	–	–	–	–	–

SCH5s, 10s, 20s, 40s, 80s applies for stainless steel fittings.

ANSI flat welded steel pipe flange with neck
SO(ASME B16.5, HG20616-97)

Flange



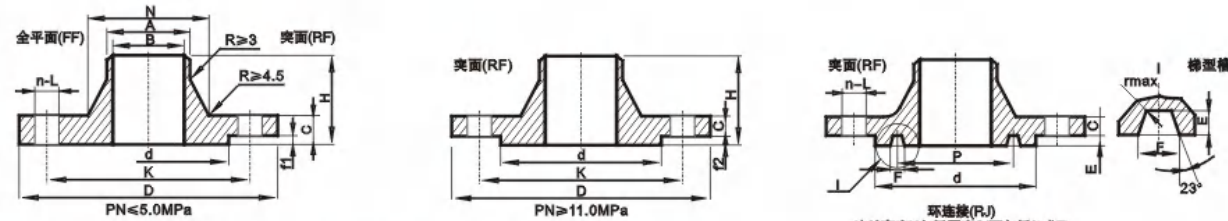
PN2.0MPa(Class 150) ANSI B16.5, Slip On Forged Flange

Nominal Diaeter		Pipe Outside Diameter	Link Size					Seal Surface Size		Flange Thickness	Flange Inside	Flange Neck	Flange Hight	Approx Weight
			Flange outer diameter	Bolt hole center cirde diameter	Bolt hole diameter	Number of boltholes	Thread							
NPS(in)	DN	A	D	K	L	n	Th	Raised face d	Plat form height f1	C	D	N	H	(kg)
1/2	15	21.3	90	60.5	16	4	M14	35	1.6	11.5	22	30	16	0.41
3/4	20	26.9	100	70	16	4	M14	43	1.6	13	27.5	38	16	0.58
1	25	33.7	110	79.5	16	4	M14	51	1.6	14.5	34.5	49	17	0.80
1 1/4	32	42.4	120	89	16	4	M14	63.5	1.6	16	43.5	59	21	1.07
1 1/2	40	48.3	130	98.5	16	4	M14	73	1.6	17.5	49.5	65	22	1.37
2	50	60.3	150	120.5	18	4	M16	92	1.6	19.5	61.5	78	25	2.01
2 1/2	65	76.1	180	139.5	18	4	M16	105	1.6	22.5	77.5	90	29	3.32
3	80	88.9	190	152.5	18	4	M16	127	1.6	24	90.5	108	30	3.83
4	100	114.3	230	190.5	18	8	M16	157.5	1.6	24	116	135	33	5.40
5	125	139.7	255	216	22	8	M20	186	1.6	24	141.5	164	36	6.26
6	150	168.3	280	241.5	22	8	M20	216	1.6	25.5	170.5	192	40	7.50
8	200	219.1	345	298.5	22	8	M20	270	1.6	29	221.5	246	44	12.3
10	250	273	405	362	26	12	M24	324	1.6	30.5	276.5	305	49	16.2
12	300	323.9	485	432	26	12	M24	381	1.6	32	327.5	365	56	26.5
14	350	355.6	535	476	29.5	12	M27	413	1.6	35	359.5	400	57	34.5
16	400	406.4	600	540	29.5	16	M27	470	1.6	37	411	457	64	45.5
18	450	457	635	578	32.5	16	M30	533.5	1.6	40	462	505	68	48.5
20	500	508	700	635	32.5	20	M30	584	1.6	43	513.5	559	73	61.8
24	600	610	815	749.5	35.5	20	M33	692	1.6	48	616.5	664	83	87.7

PN5.0MPa(Class 300) ANSI B16.5, Slip On Forged Flange

Nominal Diaeter		Pipe Outside Diameter	Link Size					Seal Surface Size		Flange Thickness	Flange Inside	Flange Neck	Flange Hight	Approx Weight
			Flange outer diameter	Bolt hole center arde diameter	Bolt hole diameter	Number of bolt holes	Thread							
NPS(in)	DN	A	D	K	L	n	Th	Raised face d	Plat form height f1	C	D	N	H	(kg)
1/2	15	21.3	95	66.5	16	4	M14	35	1.6	14.5	22	38	22	0.63
3/4	20	26.9	120	82.5	18	4	M16	43	1.6	16	27.5	48	25	1.16
1	25	33.7	125	89	18	4	M16	51	1.6	17.5	34.5	54	27	1.37
1 1/4	32	42.4	135	98.5	18	4	M16	63.5	1.6	19.5	43.5	64	27	1.75
1 1/2	40	48.3	155	114.5	22	4	M20	73	1.6	21	49.5	70	30	2.47
2	50	60.3	165	127	18	8	M16	92	1.6	22.5	61.5	84	33	2.90
2 1/2	65	76.1	190	149	22	8	M20	105	1.6	25.5	77.5	100	38	4.17
3	80	88.9	210	168.5	22	8	M20	127	1.6	29	90.5	118	43	5.92
4	100	114.3	255	200	22	8	M20	157.5	1.6	32	116	146	48	9.73
5	125	139.7	280	235	22	8	M20	186	1.6	35	141.5	178	51	12.4
6	150	168.3	320	270	22	12	M20	216	1.6	37	170.5	206	52	16.0
8	200	219.1	380	330	26	12	M24	270	1.6	41.5	221.5	260	62	23.9
10	250	273	445	387.5	29.5	16	M27	324	1.6	48	276.5	321	67	34.0
12	300	323.9	520	451	32.5	16	M30	381	1.6	51	327.5	375	73	49.1
14	350	355.6	585	514.5	32.5	20	M30	413	1.6	54	359.5	426	76	69.1
16	400	406.4	650	571.5	35.5	20	M33	470	1.6	57.5	411	483	83	88.9
18	450	457	710	628.5	35.5	24	M33	533.5	1.6	60.5	462	533	89	107.2
20	500	508	775	686	35.5	24	M33	584	1.6	63.5	513.5	587	95	132.9
24	600	610	915	813	42	24	M39×3	692	1.6	70	616.5	702	104	198.7

ANSI flat welded steel pipe flange with neck SO(ASME B16.5, HG20616-97)



注：带颈对焊法兰的锥颈坡度应不大于45° 且应具有坡度不大于7° 的直边段，直边段长度不小于7mm。

PN2.0MPa(Class 150) ANSI B16.5, Welding Neck Forged Flange

Nominal Diaeter		Pipe Outside Diameter	Link Size					Seal Surface Size		Flange Thickness	Flange Inside	Flange Neck	Flange Height	Approx Weight
			Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Number of bolt holes	Thread							
NPS(in)	DN	A	D	K	L	n	Th	Raised face d	Plat form height f1	C	D	N	H	(kg)
1/2	15	21.3	90	60.5	16	4	M14	35	1.6	11.5	15.5	30	48	0.91
3/4	20	26.9	100	70	16	4	M14	43	1.6	13	21	38	52	0.91
1	25	33.7	110	79.5	16	4	M14	51	1.6	14.5	27	49	56	1.14
1 1/4	32	42.4	120	89	16	4	M14	63.5	1.6	16	35	59	57	1.14
1 1/2	40	48.3	130	98.5	16	4	M14	73	1.6	17.5	41	65	62	1.81
2	50	60.3	150	120.5	18	4	M16	92	1.6	19.5	52	78	64	2.72
2 1/2	65	76.1	180	139.5	18	4	M16	105	1.6	22.5	66	90	70	4.45
3	80	88.9	190	152.5	18	4	M16	127	1.6	24	77.5	108	70	5.22
4	100	114.3	230	190.5	18	8	M16	157.5	1.6	24	101.5	135	76	7.49
5	125	139.7	255	216	22	8	M20	186	1.6	24	127	164	89	9.53
6	150	168.3	280	241.5	22	8	M20	216	1.6	25.5	154	192	89	11.8
8	200	219.1	345	298.5	22	8	M20	270	1.6	29	203	246	102	19.1
10	250	273	405	362	26	12	M24	324	1.6	30.5	255	305	102	24.5
12	300	323.9	485	432	26	12	M24	381	1.6	32	303.5	365	114	39.9
14	350	355.6	535	476	29.5	12	M27	413	1.6	35	333.5	400	127	51.8
16	400	406.4	600	540	29.5	16	M27	470	1.6	37	381	457	127	64.5
18	450	457	635	578	32.5	16	M30	533.5	1.6	40	428.5	505	140	74.9
20	500	508	700	635	32.5	20	M30	584	1.6	43	476	559	145	89.4
22	550	559	750	692	35.5	20	M33	641	1.6	46	525	610	149	103.5
24	600	610	815	749.5	35.5	20	M33	692	1.6	48	575	664	152	121.7

PN5.0MPa(Class 300) ANSI B16.5, Welding Neck Forged Flange

Nominal Diaeter		Pipe Outside Diameter	Link Size					Seal Surface Size		Flange Thickness	Flange Inside	Flange Neck	Flange Height	Approx Weight
			Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Number of bolt holes	Thread							
NPS(in)	DN	A	D	K	L	n	Th	Raised face d	Plat form height f1	C	D	N	H	(kg)
1/2	15	21.3	95	66.5	16	4	M14	35	1.6	14.5	15.5	38	52	0.91
3/4	20	26.9	120	82.5	18	4	M16	43	1.6	16	21	48	57	1.36
1	25	33.7	125	89	18	4	M16	51	1.6	17.5	27	54	62	1.82
1 1/4	32	42.4	135	98.5	18	4	M16	63.5	1.6	19.5	35	64	65	2.27
1 1/2	40	48.3	155	114.5	22	4	M20	73	1.6	21	41	70	68	3.18
2	50	60.3	165	127	18	8	M16	92	1.6	22.5	52	84	70	3.36
2 1/2	65	76.1	190	149	22	8	M20	105	1.6	25.5	66	100	76	5.45
3	80	88.9	210	168.5	22	8	M20	127	1.6	29	77.5	118	79	8.17
4	100	114.3	255	200	22	8	M20	157.5	1.6	32	101.5	146	86	12.1
5	125	139.7	280	235	22	8	M20	186	1.6	35	127	178	98	16.3
6	150	168.3	320	270	22	12	M20	216	1.6	37	154	206	98	20.4
8	200	219.1	380	330	26	12	M24	270	1.6	41.5	203	260	111	31.3
10	250	273	445	387.5	29.5	16	M27	324	1.6	48	255	321	117	45.4
12	300	323.9	520	451	32.5	16	M30	381	1.6	51	303.5	375	130	64.5
14	350	355.6	585	514.5	32.5	20	M30	413	1.6	54	323.5	426	143	93.5
16	400	406.4	650	571.5	35.5	20	M33	470	1.6	57.5	371	483	146	113.1
18	450	457	710	628.5	35.5	24	M33	533.5	1.6	60.5	417	533	159	138.9
20	500	508	775	686	35.5	24	M33	584	1.6	63.5	468	587	162	167.5
22	550	559	840	743	42	24	M39×3	641	1.6	66.5	509	640	165	199.4
24	600	610	915	813	42	24	M39×3	692	1.6	70	560	702	168	235.6

ANSI neck butt welding steel pipe flange

Flange

PN2.0MPa(Class 600) ANSI B16.5, Welding Neck Forged Flange

Nominal Diaeter		Outer diameter of steel pipe (outer diameter of flange welding end)	Link Size					Flange Thickness	Flange neck big end	Flange inner diameter	Flange Height	Approx Weight
			Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Thread	Number of bolt holes					
DN	NPS	A	D	K	L	Th	n	C	N	B	H	(kg)
15	1/2	21.3	95	66.7	16	M14	4	14.3	38	—	52	1.36
20	3/4	26.9	115	82.6	18	M16	4	15.9	48	—	57	1.59
25	1	33.7	125	88.9	18	M16	4	17.5	54	—	62	1.82
32	1 1/4	42.4	135	98.4	18	M16	4	20.7	64	—	67	2.50
40	1 1/2	48.3	155	114.3	22	M20	4	22.3	70	—	70	3.63
50	2	60.3	165	127.0	18	M16	8	25.4	84	—	73	4.54
65	2 1/2	76.1	190	149.2	22	M20	8	28.6	100	—	79	6.36
80	3	88.9	210	168.3	22	M20	8	31.8	117	—	83	10.3
100	4	114.3	275	215.9	26	M24	8	38.1	152	—	102	16.8
125	5	139.7	330	266.7	30	M27	8	44.5	189	—	114	30.9
150	6	168.3	355	292.1	30	M27	12	47.7	222	—	117	33.1
200	8	219.1	420	349.2	33	M30	12	55.6	273	—	133	50.9
250	10	273	510	431.8	36	M33	16	63.5	343	—	152	85.8
300	12	323.9	560	489	36	M33	20	66.7	409	—	156	102.6
350	14	355.6	605	527	39	M36×3	20	69.9	432	—	165	157.5
400	16	406.4	685	603.2	42	M39×3	20	76.2	495	—	178	218.4
450	18	457	745	654	45	M42×3	20	82.6	546	—	184	252.0
500	20	508	815	723.9	45	M42×3	24	88.9	610	—	190	313.2
600	24	610	940	838.2	51	M48×3	24	101.6	718	—	203	443.6

PN5.0MPa(Class 900) ANSI B16.5, Welding Neck Forged Flange

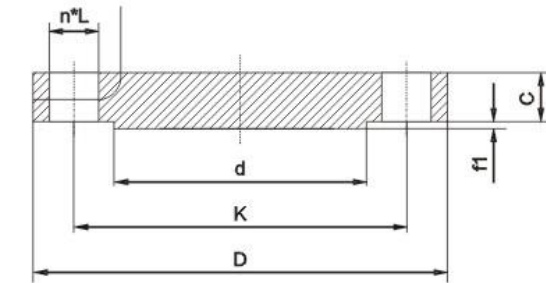
Nominal Diaeter		Outer diameter of steel pipe (outer diameter of flange welding end)	Link Size					Flange Thickness	Flange neck big end	Flange inner diameter	Flange Height	Approx Weight
			Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Thread	Number of bolt holes					
DN	NPS	A	D	K	L	Th	n	C	N	B	H	(kg)
15	1/2	21.3	120	82.6	22	M20	4	22.3	38	—	60	3.18
20	3/4	26.9	130	88.9	22	M20	4	25.4	44	—	70	3.18
25	1	33.7	150	101.6	26	M24	4	28.6	52	—	73	3.86
32	1 1/4	42.4	160	111.1	26	M24	4	28.6	64	—	73	4.54
40	1 1/2	48.3	180	123.8	30	M27	4	31.8	70	—	83	6.36
50	2	60.3	215	165.1	26	M24	8	38.1	105	—	102	10.9
65	2 1/2	76.1	245	190.5	30	M27	8	41.3	124	—	105	16.3
80	3	88.9	240	190.5	26	M24	8	38.1	127	—	102	13.2
100	4	114.3	290	235.0	33	M30	8	44.5	159	—	114	23.2
125	5	139.7	350	279.4	36	M33	8	50.8	190	—	127	39.1
150	6	168.3	380	317.5	33	M30	12	55.6	235	—	140	49.9
200	8	219.1	470	393.7	39	M36×3	12	63.5	298	—	162	84.9
250	10	273	545	469.9	39	M36×3	16	69.9	368	—	184	121.7
300	12	323.9	610	533.4	39	M36×3	20	79.4	419	—	200	168.9
350	14	355.6	640	558.8	42	M39×3	20	85.8	451	—	213	255.2
400	16	406.4	705	616	45	M42×3	20	88.9	508	—	216	311.0
450	18	457	785	685.8	51	M48×3	20	101.6	565	—	229	419.5
500	20	508	855	749.3	55	M52×3	20	108	622	—	248	528.5
600	24	610	1040	901.7	68	M64×3	20	139.7	749	—	267	956.6

PN2.0MPa(Class 1500) ANSI B16.5, Welding Neck Forged Flange

Nominal Diaeter		Outer diameter of steel pipe (outer diameter of flange welding end)	Link Size					Flange Thickness	Flange neck big end	Flange inner diameter	Flange Height	Approx Weight
			Flange outer diameter	Bolthole center circle diameter	Bolthole diameter	Thread	Number of boltholes					
DN	NPS	A	D	K	L	Th	n	C	N	B	H	(kg)
15	1/2	21.3	120	82.6	22	M20	4	22.3	38	—	60	3.18
20	3/4	26.9	130	88.9	22	M20	4	25.4	44	—	70	3.18
25	1	33.7	150	101.6	26	M24	4	28.6	52	—	73	3.86
32	1 1/4	42.4	160	111.1	26	M24	4	28.6	64	—	73	4.54
40	1 1/2	48.3	180	123.8	30	M27	4	31.8	70	—	83	6.36
50	2	60.3	215	165.1	26	M24	8	38.1	105	—	102	10.9
65	2 1/2	76.1	245	190.5	30	M27	8	41.3	124	—	105	16.34
80	3	88.9	265	203.2	33	M30	8	47.7	133	—	117	21.8
100	4	114.3	310	241.3	36	M33	8	54	162	—	124	31.3
125	5	139.7	375	292.1	42	M39×3	8	73.1	197	—	156	59.9
150	6	168.3	395	317.5	39	M36×3	12	82.6	229	—	171	74.5
200	8	219.1	485	393.7	45	M42×3	12	92.1	292	—	213	123.9
250	10	273	585	482.6	51	M48×3	12	108	368	—	254	206.1
300	12	323.9	675	571.5	55	M52×3	16	123.9	451	—	283	313.3
350	14	355.6	750	635	60	M56×3	16	133.4	495	—	298	406.5
400	16	406.4	825	704.8	68	M64×3	16	146.1	552	—	311	525
450	18	457	915	774.7	74	M70×3	16	162	597	—	327	687.2
500	20	508	985	831.8	80	M76×3	16	177.8	641	—	356	852.6
600	24	610	1170	990.6	94	M90×3	16	203.2	762	—	406	1366.8

PN5.0MPa(Class 2500) ANSI B16.5, Welding Neck Forged Flange

Nominal Diaeter		Outer diameter of steel pipe (outer diameter of flange welding end)	Link Size					Flange Thickness	Flange neck big end	Flange inner diameter	Flange Height	Approx Weight
			Flange outer diameter	Bolthole center circle diameter	Bolthole diameter	Thread	Number of boltholes					
DN	NPS	A	D	K	L	Th	n	C	N	B	H	(kg)
15	1/2	21.3	135	88.9	22	M20	4	30.2	43	—	73	3.63
20	3/4	26.9	140	95.2	22	M20	4	31.8	51	—	79	4.09
25	1	33.7	160	108	26	M24	4	35	57	—	89	5.9
32	1 1/4	42.4	185	130.2	30	M27	4	38.1	73	—	95	9.08
40	1 1/2	48.3	205	146	33	M30	4	44.5	79	—	111	12.7
50	2	60.3	235	171.4	30	M27	8	50.9	95	—	127	19.1
65	2 1/2	76.1	265	196.8	33	M30	8	57.2	114	—	143	23.6
80	3	88.9	305	228.6	36	M33	8	66.7	133	—	168	42.7
100	4	114.3	355	273	42	M39×3	8	76.2	165	—	190	66.3
125	5	139.7	420	323.8	48	M45×3	8	92.1	203	—	229	110.8
150	6	168.3	485	368.3	55	M52×3	8	108	235	—	273	171.6
200	8	219.1	550	438.2	55	M52×3	12	127	305	—	318	261.5
250	10	273	675	539.8	68	M64×3	12	165.1	375	—	419	484.9
300	12	323.9	760	619.1	74	M70×3	12	184.2	441	—	464	730.1



Class 150(PN20) Forged blind flange

Unit: mm

Nominal Diaeter		Flange outer diameter	Link Size			Thread	Number of boltholes	Flange Thickness	Approx Weight
			Bolthole center circle diameter	Bolthole diameter					
DN	NPS	D	K	L	Th	n	C	(kg)	
15	1/2	90	60.3	16	M14	4	9.6	0.43	
20	3/4	100	69.9	16	M14	4	11.2	0.63	
25	1	110	79.4	16	M14	4	12.7	0.89	
32	1 1/4	115	88.9	16	M14	4	14.3	1.20	
40	1 1/2	125	98.4	16	M14	4	15.9	1.58	
50	2	150	120.7	18	M16	4	17.5	2.39	
65	2 1/2	180	139.7	18	M16	4	20.7	4.07	
80	3	190	152.4	18	M16	4	22.3	4.92	
100	4	230	190.5	18	M16	8	22.3	7.13	
125	5	255	215.9	22	M20	8	22.3	8.72	
150	6	280	241.3	22	M20	8	23.9	11.4	
200	8	345	298.58	22	M20	8	27	20.1	
250	10	405	362	26	M24	12	28.6	28.7	
300	12	485	431.8	26	M24	12	30.2	43.3	
350	14	535	476.3	30	M27	12	33.4	58.2	
400	16	595	539.8	30	M27	16	35	77.4	
450	18	635	577.9	33	M30	16	38.1	94.0	
500	20	700	635	33	M30	20	41.3	122.7	
600	24	815	749.3	36	M33	20	46.1	187.0	

ANSI B16.5, Forged Blind Flange

Class 300(PN50) Forged blind flange

Unit: mm

Nominal Diaeter		Link Size				Flange Thickness	Approx Weight
		Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Thread		
DN	NPS	D	K	L	Th	n	(kg)
15	1/2	95	66.7	16	M14	4	0.63
20	3/4	115	82.6	18	M14	4	1.15
25	1	125	88.9	18	M16	4	1.40
32	1 1/4	135	98.4	18	M16	4	1.88
40	1 1/2	155	114.3	22	M20	4	2.65
50	2	165	127	18	M16	8	3.22
65	2 1/2	190	149.2	22	M20	8	4.80
80	3	210	168.3	22	M20	8	6.89
100	4	255	200	22	M20	8	11.5
125	5	280	235	22	M20	8	15.6
150	6	320	269.9	22	M20	12	21.4
200	8	380	330.2	26	M24	12	34.1
250	10	445	387.4	30	M27	16	53.5
300	12	520	450.8	33	M30	16	78.3
350	14	585	514.4	33	M30	20	105
400	16	650	571.5	36	M33	20	138.6
450	18	710	628.6	36	M33	24	174.3
500	20	775	685.8	36	M33	24	220.4
600	24	915	812.8	42	M39×3	24	339

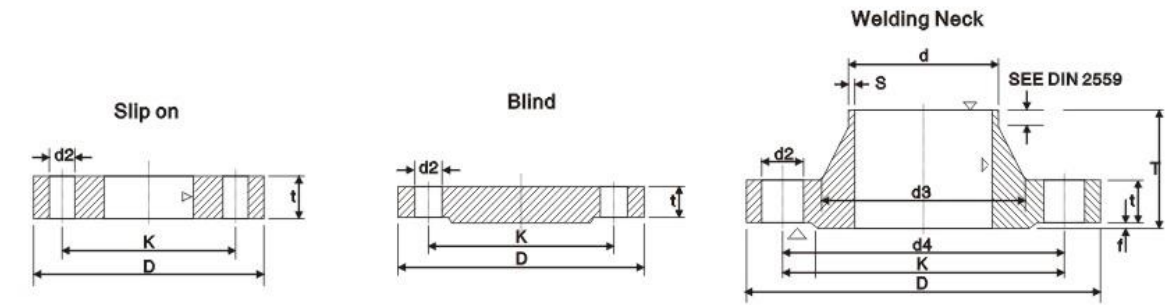
Class 600(PN110) Forged blind flange

Unit: mm

Nominal Diaeter		Link Size				Flange Thickness	Approx Weight
		Flange outer diameter	Bolt hole center circle diameter	Bolt hole diameter	Thread		
DN	NPS	D	K	L	Th	n	(kg)
15	1/2	95	66.7	16	M14	4	0.77
20	3/4	115	82.6	18	M16	4	1.37
25	1	125	88.9	18	M16	4	1.66
32	1 1/4	135	98.4	18	M16	4	2.36
40	1 1/2	155	114.3	22	M20	4	3.29
50	2	165	127	18	M16	8	4.24
65	2 1/2	190	149.2	22	M20	8	6.23
80	3	210	168.3	22	M20	8	8.63
100	4	275	215.9	26	M24	8	17.7
125	5	330	266.7	30	M27	8	29.4
150	6	355	292.1	30	M27	12	36.2
200	8	380	330.2	26	M24	12	59.1
250	10	445	387.4	30	M27	16	98.4
300	12	520	450.8	33	M30	16	125.3
350	14	585	514.4	33	M30	20	152.1
400	16	650	571.5	36	M33	20	214.1
450	18	710	628.6	36	M33	24	275.4
500	20	775	685.8	36	M33	24	352.4
600	24	915	812.8	42	M39×3	24	536.8

DIN flange 10Bar/DIN 2576 Slip-on Flagne/DIN2572 Blind flange/DIN2632 Welding neck flanges

Flange

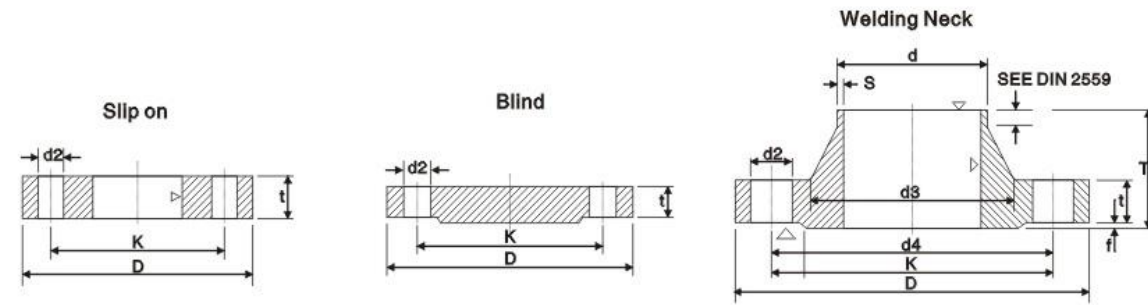


DIN Flange 10Bar

Unit: mm

Bore	d1	d2	Common Dimension					Hub					Raised Face		Drilling		Approx Weight(kg)		
Nominal Bore			D	t			K	h1	d3	s	r	h2	d4	f	Number of Bolt	d2	DIN 2576	DIN 2632	DIN 2527
				Welding Neck	Plat	Blind													
10	14	14.5	90	14	14	14	60	35	25	1.8	4	6	40	2	4	14	0.613	0.580	0.63
	17.2	17.7															0.605		
15	20	21	95	14	14	14	65	35	30	2	4	6	45	2	4	14	0.675	0.648	0.72
	21.3	22															0.669		
20	25	26	105	16	16	16	75	38	38	2.3	4	6	58	2	4	14	0.943	0.952	1.01
	26.9	27.6															0.936		
25	30	31	115	16	16	16	85	38	42	2.6	4	6	68	2	4	14	1.14	1.14	1.23
	33.7	34.4															1.11		
32	38	39	140	16	16	16	100	40	52	2.6	6	6	78	2	4	18	1.66	1.69	1.8
	42.4	43.1															1.62		
40	44.5	45.5	150	16	16	16	110	42	60	2.6	6	7	88	3	4	18	1.89	1.86	2.09
	48.3	49															1.86		
50	57	58.1	165	18	18	18	125	45	72	2.9	6	8	102	3	4	18	2.51	2.53	2.88
	60.3	61.1															2.47		
65	76.1	77.1	185	18	18	18	145	45	90	2.9	6	9	122	3	4	18	3	3.06	3.66
80	88.9	90.3	200	20	20	20	160	50	105	3.2	8	10	138	3	8	18	3.79	3.70	4.77
100	108	109.6	220	20	20	20	180	52	125	3.6	8	10	158	3	8	18	4.2	4.62	5.65
	114.3	115.9															4.03		
125	133	134.8	250	22	22	22	210	55	150	4	8	12	188	3	8	18	5.71	6.30	8.42
	139.7	141.6															5.46		
150	159	161.1	285	22	22	22	240	55	175	4.5	10	12	212	3	8	22	6.72	7.75	10.4
	168.3	170.5															6.57		
175	193.7	196.1	315	24	24	24	270	60	210	5.4	10	12	242	3	8	22	8.45	9.85	14
200	219.1	221.8	340	24	24	24	295	62	235	5.9	10	16	268	3	8	22	9.31	11.3	16
250	267	270.2	395	26	26	26	350	68	285 292	6.3	12	16	320	4	12	22	12.5	14.7	24
	273	276.2															11.9		

ANSI flat welded steel pipe flange with neck SO(ASME B16.5, HG20616-97)



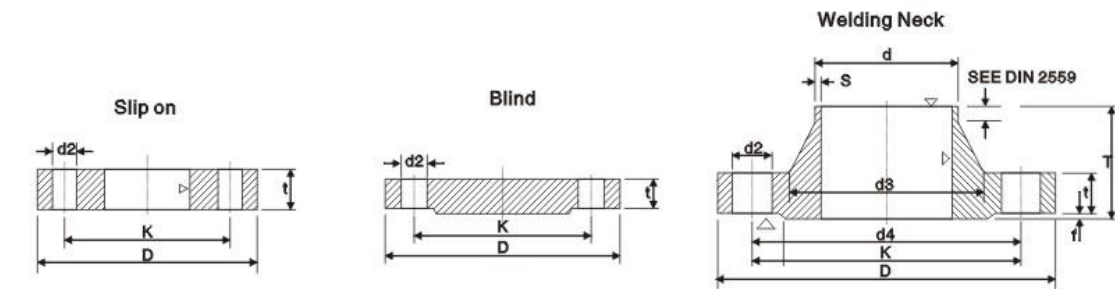
DIN Flange 10Bar

Unit: mm

Bore	d1	d2	Common Dimension					Hub					Raised Face		Drilling		Approx Weight(kg)		
Nominal Bore			D	t			K	h1	d3	s	r	h2	d4	f	Number of Bof	d2	DIN 2576	DIN 2632	DIN 2527
				Welding Neck	Plat	Blind													
300	323.9	327.6	445	26	26	26	400	68	344	7.1	12	16	370	4	12	22	13.8	17.4	31.9
350	355.6 368	359.7 372.2	505	26	28	26	460	68	385	7.1	12	16	430	4	16	22	20.6 19	21.6	41.9
400	406.4 419	411 423.7	565	26	32	26	515	72	440	7.1	12	16	482	4	16	26	27.9 25.9	26.2	51.2
500	508	513.6	670	28	38	28	620	75	542	7.1	12	16	585	4	20	26	41.1	38.1	77.8
600	610	616.5	780	28	40		726	80	642	7.1	12	18	685	5	20	30	51.87	44.6	
700	711	716	895	30	40		840	80	745	8	12	18	800	5	24	30	65.79	62.4	
800	813	818	1015	32	44		950	90	850	8	12	18	905	5	24	33	90.87	84.1	
900	914	920	1115	34	48		1050	95	950	10	12	20	1005	5	28	33	108.41	98.5	
1000	1016	1022	1230	34	50		1160	95	1052	10	16	20	1110	5	28	36	133.21	115	
1200	1220	1226	1455	38	54		1380	115	1255	11	16	25	1330	5	32	39	188.2	182	
1400	1420	1426	1675	42	60		1590	120	1460	12	16	25	1535	5	36	42	262.14	248	
1600	1620	1626	1915	46	64		1820	130	1665	14	16	25	1760	5	40	48	367.43	347	
1800	1820	18226	2115	50	70		2020	140	1868	15	16	30	1960	5	44	48	447.79	430	
2000	2020	2026	2325	54	76		2230	150	2072	16	16	30	2170	5	48	48	577.77	539	
2200	2220	2226	2550	58	82		2440	160	2275	18	18	35	2370	6	52	56	699.88	658	
2400	2420	2426	2760	62	88		2650	170	2478	20	20	35	2570	6	56	56	844.48	825	
2600	2620	2626	2960	66	94		2850	180	2680	22	22	40	2780	6	60	56	972.23	979	
2800	2820	2826	3180	70	100		3070	190	882	22	22	40	3000	6	64	56	1187.1	1156	
3000	3020	3026	3405	75	106		3290	200	3085	24	24	45	3210	6	68	62	1422.06	1420	

DIN flange DIN 16Bar Flange/DIN2576 Slip-on Flagne/ DIN2527 Blind flange/DIN2633 Welding neck flanges

Flange

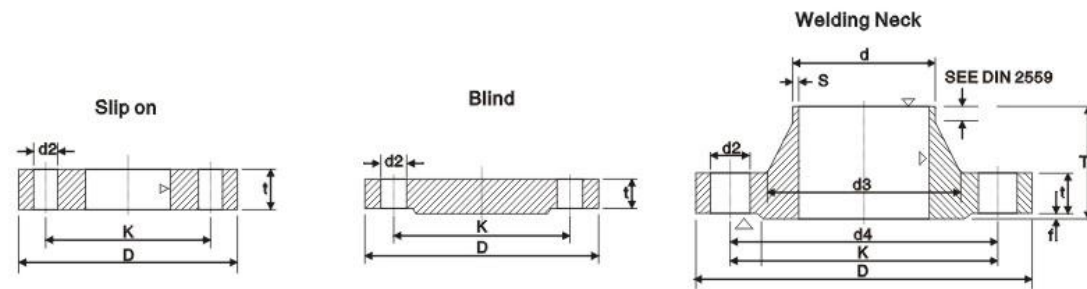


DIN Flange 16Bar

Unit: mm

Bore	d1	d2	Common Dimension					Hub					Raised Face		Drilling		Approx Weight(kg)		
Nominal Bore			D	t			K	h1	d3	s	r	h2	d4	f	Number of Bof	d2	DIN 2576	DIN 2631	DIN 2527
				Welding Neck	Plat	Blind													
10	14	14.5	90	14	14	14	60	35	25	1.8	4	6	40	2	4	14	0.613	0.580	0.63
	17.2	17.7															0.605		
15	20	21	95	14	14	14	65	35	30	2	4	6	45	2	4	14	0.675	0.648	0.72
	21.3	22															0.669		
20	25	26	105	16	16	16	75	38	38	2.3	4	6	58	2	4	14	0.943	0.952	1.01
	26.9	27.6															0.936		
25	30	31	115	16	16	16	85	38	42	2.6	4	6	68	2	4	14	1.14	1.14	1.23
	33.7	34.4															1.11		
32	38	39	140	16	16	16	100	40	52	2.6	6	6	78	2	4	18	1.66	1.69	1.8
	42.4	43.1															1.62		
40	44.5	45.5	150	16	16	16	110	42	60	2.6	6	7	88	3	4	18	1.89	1.86	2.09
	48.3	49															1.86		
50	57	58.1	165	18	18	18	125	45	72	2.9	6	8	102	3	4	18	2.51	2.53	2.88
60.3	61.1	2.47																	
65	76.1	77.1	185	18	18	18	145	45	90	2.9	6	9	122	3	4	18	3	3.06	3.66
80	88.9	90.3	200	20	20	20	160	50	105	3.2	8	10	138	3	8	18	3.79	3.70	4.77
100	108	109.6	220	20	20	20	180		125	3.6	8	10	158	3	8	18	4.2	4.62	5.65
	114.3	115.9															4.03		
125	133	134.8	250	22	22	22	210	55	150	4	8	12	188	3	8	18	5.71	6.30	8.42
139.7	141.6	5.46																	
150	159	161.1	285	22	22	22	240	55	175	4.5	10	12	212	3	8	22	6.72	7.75	10.4
	168.3	170.5															6.57		
175	193.7	196.1	315	24	24	24	270	60	210	5.4	10	12	242	3	8	22	8.45	9.85	14
200	219.1	221.8	340	24	24	24	295	62	235	5.9	10	16	268	3	12	22	9.31	11	16.1
250	267	270.2	405	26	26	26	355	70	285	6.3	12	16	320	3	12	26	13.4	15.6	24.9
	273	276.2																	
300	323.9	327.6	395	28	28	28	410	78	344	7.1	12	16	378	4	12	26	17.4	22	35.1

DIN flange DIN 16Bar Flange/DIN2576 Slip-on Flange/ DIN2527 Blind flange/DIN2633 Welding neck flanges



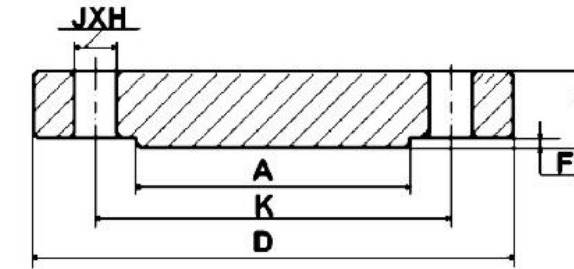
DIN Flange 16Bar

Unit: mm

Bore	d1	d2	Common Dimension					Hub					Raised Face		Drilling		Approx Weight(kg)		
Nominal Bore			D	t			K	h1	d3	s	r	h2	d4	f	Number of Bof	d2	DIN 2576	DIN 2633	DIN 2527
				Welding Neck	Plat	Blind													
350	355.6 368	359.7 372.2	520	30	30	30	470	82	390	8	12	16	438	4	16	26	26.6	28.8	47.8
400	406.4 419	411 423.7	580	32	32	32	525	85	445	8	12	16	490	4	16	30	30.9	36.3	63.5
500	508	513.6	715	34	38	34	650	90	548	8	12	16	610	4	20	33	54	61	102
600	610	616.5	840	36	42	36	770	95	652	8.8	12	18	725	4	20	36	77.58	75.4	149.7
700	711	716	910	36	44	36	840	100	755	8.8	12	18	795	5	24	36	77.13	77	173.7
800	813	818	1025	38	50	38	950	105	855	10	12	20	900	5	24	39	106.35	101	235.5
900	914	920	1125	40	54	40	1050	110	955	10	12	20	1000	5	28	39	125.39	122	298.8
1000	1016	1022	1255	42	60	42	1170	120	1058	10	12	22	1115	5	28	42	177.99	162	390.7
1200	1220	1226	1485	48	68	48	1390	130	1262	12.5	16	30	1330	5	32	48	263.46	243	624.8
1400	1420	1426	1685	52	74	52	1590	145	1465	14.2	16	30	1530	5	36	48	329.77	323	872.6
1600	1620	1626	1930	58	82	58	1820	160	1668	16	16	35	1750	5	40	56	483.11	479	1275.1
1800	1820	1826	2130	62	88	62	2020	170	1870	17.5	16	35	1950	5	44	56	577.63	599	1661.9
2000	2020	2026	2345	66	94	66	2230	180	2072	20	16	40	2150	5	48	62	720.85	719	2142.1

BS4505 Blind Flange

Flange



BS4504-105 PN10

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
BS4504 105 PN10 Blind flange	15	95	65	14	4	16	45	2	0.71	0.64
	20	105	75	14	4	18	58	2	1.01	0.93
	25	115	85	14	4	18	68	2	1.23	1.13
	32	140	100	18	4	18	78	2	1.81	1.66
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	18	102	3	2.88	2.59
	65	185	145	18	4	18	122	3	4.06	3.73
	80	200	160	18	8	20	138	3	4.62	4.28
	100	220	180	18	8	20	158	3	6.22	5.83
	125	250	210	18	8	22	188	3	8.13	7.68
	150	285	240	22	8	22	212	3	11.45	10.85
	200	340	295	22	8	24	268	3	16.54	15.81
	250	395	350	22	12	26	320	3	24.10	23.21
	300	445	400	22	12	26	370	4	30.84	29.47
	350	505	460	22	16	26	430	4	39.67	38.13
	400	565	515	26	16	26	482	4	49.47	47.6
BS4504 105 PN16 Blind flange	450	615	565	26	20	28	532	4	63.01	60.99
	500	670	620	26	20	28	585	4	75.22	72.92
	600	780	725	30	20	34	685	5	123.85	120.12

BS4504-105 PN16

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
BS4504 105 PN16 Blind flange	15	95	65	14	4	14	45	2	0.71	0.64
	20	105	75	14	4	16	58	2	1.01	0.93
	25	115	85	14	4	16	68	2	1.23	1.13
	32	140	100	18	4	16	78	2	1.81	1.66
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	18	102	3	2.88	2.59
	65	185	145	18	4	20	122	3	4.06	3.73
	80	200	160	18	8	20	138	3	4.62	4.28
	100	220	180	18	8	22	158	3	6.22	5.83
	125	250	210	18	8	22	188	3	8.13	7.68
	150	285	240	22	8	24	212	3	11.45	10.85
	200	340	295	22	12	26	268	3	17.61	16.91
	250	405	355	26	12	28	320	3	26.94	25.95
	300	460	410	26	12	30	378	4	37.67	36.17
	350	520	470	26	16	32	438	4	51.25	49.58
	400	580	525	30	16	36	490	4	71.52	69.50
BS4504 105 PN16 Blind flange	450	640	585	30	20	36	550	4	86.98	84.78
	500	715	650	33	20	44	610	4	132.87	129.98
	600	840	770	36	20	48	725	5	201.29	196.54

BS4505 Blind Flange

BS4504-105 PN25

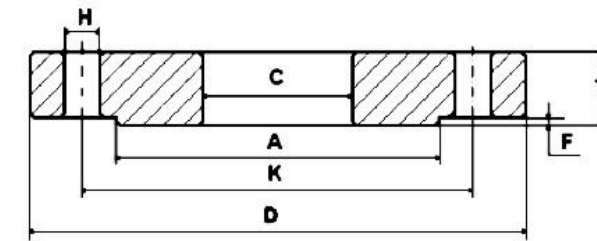
Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
BS4504 105 PN25 Blind flange	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	20	102	3	3.20	2.91
	65	185	145	18	8	22	122	3	4.29	3.98
	80	200	160	18	8	24	138	3	5.54	5.20
	100	235	190	22	8	24	162	3	7.60	7.14
	125	270	220	26	8	26	188	3	10.83	10.23
	150	300	250	26	8	28	218	3	14.61	13.93
	200	360	310	26	12	30	278	3	22.49	21.67
	250	425	370	30	12	32	335	3	33.53	32.46
	300	485	430	30	16	34	395	4	46.32	44.73
	350	555	490	33	16	38	450	4	68.13	65.96
	400	620	550	36	16	40	505	4	89.75	87.07
	450	670	600	36	20	44	555	4	114.83	111.99
	500	730	660	36	20	45	615	4	140.76	137.59
	600	845	770	39	20	54	720	5	227.76	222.67

BS4504-105 PN40

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
BS4504 105 PN40 Blind flange	10	90	60	14	4	16	40	2	0.72	0.65
	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	20	102	3	3.20	2.91
	65	185	145	18	8	22	122	3	4.29	3.98
	80	200	160	18	8	24	138	3	5.54	5.20
	100	235	190	22	8	24	162	3	7.60	7.14
	125	270	220	26	8	26	188	3	10.83	10.23
	150	300	250	26	8	28	218	3	14.61	13.93
	200	375	320	30	12	34	285	3	27.23	26.34
	250	450	385	33	12	38	345	3	44.41	43.11
	300	515	450	33	16	42	410	4	64.22	62.25
	350	580	510	36	16	46	465	4	89.59	87.14
	400	660	585	39	16	50	535	4	126.87	123.79
	450	685	610	39	20	54	560	4	146.20	143.11
	500	755	670	42	20	56	615	4	184.77	180.90
	600	890	795	48	20	70	735	5	322.21	315.86

EN1092-1/2 / BS4504 Plate Flange Type 01

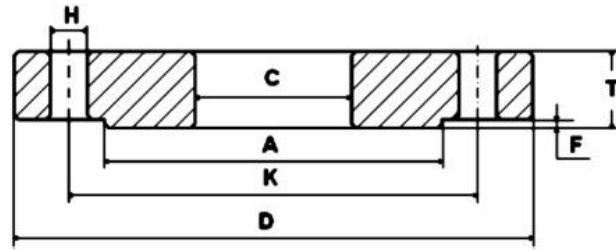
Flange



Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Internal diameter C	Disc height T	Waterline station A	Waterline height F	FF single weight kg	RF single weight kg
EN1092 105 PN10 Flat flange	15	95	65	14	4	22	14	45	2	0.67	0.59
	20	105	75	14	4	27.5	16	58	2	0.94	0.85
	25	115	85	14	4	34.5	16	68	2	1.11	1.01
	32	140	100	18	4	43.5	18	78	2	1.82	1.67
	40	150	110	18	4	49.5	18	88	3	2.08	1.83
	50	165	125	18	4	61.5	19/20	102	3	2.60/2.73	2.31/2.45
	65	185	145	18	4	77.5	20	122	3	3.32	2.99
	80	200	160	18	8	90.5	20	138	3	3.61	3.27
	100	220	180	18	8	116	22	158	3	4.39	4.01
	125	250	210	18	8	141.5	22	188	3	5.41	4.96
	150	285	240	22	8	170.5	24	212	3	7.15	6.55
	200	340	295	22	8	221.5	24	268	3	9.28	8.54
	250	395	350	22	12	276.5	26	320	3	11.83	10.95
	300	445	400	22	12	327.5	26	370	4	13.63	12.26
	350	505	460	22	16	359.5	28	430	4	20.39	18.85
	400	565	515	26	16	411	32	482	4	27.54	25.66
	450	615	565	26	20	462	36	532	4	33.6	31.58
	500	670	620	26	20	513.5	38	585	4	40.26	37.96
	600	780	725	30	20	616.5	42	685	5	54.5	50.77

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Internal diameter C	Disc height T	Waterline station A	Waterline height F	FF single weight kg	RF single weight kg
BS4504 105 PN16 Flat flange	15	95	65	14	4	22	14	45	2	0.67	0.59
	20	105	75	14	4	27.5	16	58	2	0.94	0.85
	25	115	85	14	4	34.5	16	68	2	1.11	1.01
	32	140	100	18	4	43.5	18	78	2	1.82	1.67
	40	150	110	18	4	49.5	18	88	3	2.08	1.83
	50	165	125	18	4	61.5	19/20	102	3	2.60/2.73	2.31/2.45
	65	185	145	18	4	77.5	20	122	3	3.32	2.99
	80	200	160	18	8	90.5	20	138	3	3.61	3.27
	100	220	180	18	8	116	22	158	3	4.39	4.01
	125	250	210	18	8	141.5	22	188	3	5.41	4.96
	150	285	240	22	8	170.5	24	212	3	7.15	6.55
	200	340	295	22	12	221.5	26	268	3	9.74	9.04
	250	405	355	26	12	276.5	29	320	3	14.22	13.23
	300	460	410	26	12	327.5	32	378	4	19.00	17.5
	350	520	470	26	16	359.5	35	438	4	28.23	26.55
	400	580	525	30	16	411	38	490	4	35.89	33.87
	450	640	585	30	20	462	42	550	4	46.17	43.97
	500	715	650	33	20	513.5	46	610	4	64.08	61.18
	600	840	770	36	20	616.5	52	725	5	96.13	91.37

EN1092-1/2 / BS4504 Plate Flange Type 01

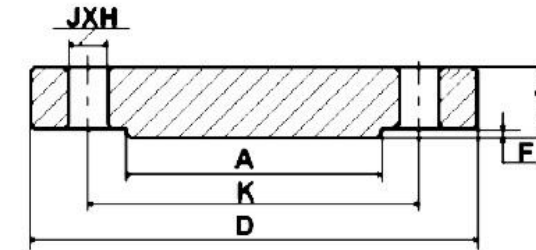


Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Internal diameter C	Disc height T	Waterline station A	Waterline height F	FF single weight kg	RF single weight kg
EN1092 105 PN25 Flat flange	15	95	65	14	4	22	14	45	2	0.67	0.59
	20	105	75	14	4	27.5	16	58	2	0.94	0.85
	25	115	85	14	4	34.5	16	68	2	1.11	1.01
	32	140	100	18	4	43.5	18	78	2	1.82	1.67
	40	150	110	18	4	49.5	18	88	3	2.08	1.83
	50	165	125	18	4	61.5	20	102	3	2.73	2.45
	65	185	145	18	8	77.5	22	122	3	3.48	3.17
	80	200	160	18	8	90.5	24	138	3	4.33	3.99
	100	235	190	22	8	116	26	162	3	6.08	5.61
	125	270	220	26	8	141.5	28	188	3	8.20	7.61
	150	300	250	26	8	170.5	30	218	3	10.28	9.59
	200	360	310	26	12	221.5	32	278	3	14.30	13.48
	250	425	370	30	12	276.5	35	335	3	20.16	19.1
	300	485	430	30	16	327.5	38	395	4	26.63	25.03
	350	555	490	33	16	359.5	42	450	4	41.82	39.64
	400	620	550	36	16	411	46	505	4	55.27	52.59
	450	670	600	36	20	462	50	555	4	64.64	61.8
	500	730	660	36	20	513.5	56	615	4	84.06	80.89
	600	845	770	39	20	616.5	68	720	5	127.35	122.25

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Internal diameter C	Disc height T	Waterline station A	Waterline height F	FF single weight kg	RF single weight kg
BS4504 105 PN40 Flat flange	15	95	65	14	4	22	14	45	2	0.67	0.59
	20	105	75	14	4	27.5	16	58	2	0.94	0.85
	25	115	85	14	4	34.5	16	68	2	1.11	1.01
	32	140	100	18	4	43.5	18	78	2	1.82	1.67
	40	150	110	18	4	49.5	18	88	3	2.08	1.83
	50	165	125	18	4	61.5	20	102	3	2.73	2.45
	65	185	145	18	8	77.5	22	122	3	3.48	3.17
	80	200	160	18	8	90.5	24	138	3	4.33	3.99
	100	235	190	22	8	116	26	162	3	6.08	5.61
	125	270	220	26	8	141.5	28	188	3	8.2	7.61
	150	300	250	26	8	170.5	30	218	3	10.28	9.59
	200	375	320	30	12	221.5	36	285	3	17.94	17.04
	250	450	385	33	12	276.5	42	345	3	29.28	27.97
	300	515	450	33	16	327.5	48	410	4	41.62	39.66
	350	580	510	36	16	359.5	54	465	4	62.11	59.66
	400	660	585	39	16	411	60	535	4	89.72	86.63

EN1092-1/2 Blind Flange Type 05

Flange



Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
EN1092 105 PN10 Blind flange	10	90	60	14	4	16	40	2	0.72	0.65
	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	18	102	3	2.88	2.59
	65	185	145	18	4	18	122	3	3.66	3.32
	80	200	160	18	8	20	138	3	4.62	4.28
	100	220	180	18	8	20	158	3	5.65	5.27
	125	250	210	18	8	22	188	3	8.13	7.68
	150	285	240	22	8	22	212	3	10.5	9.9
	200	340	295	22	8	24	268	3	16.54	15.81
	250	395	350	22	12	26	320	3	24.1	23.21
	300	445	400	22	12	26	370	4	30.84	29.47
	350	505	460	22	16	26	430	4	39.67	38.13
	400	565	515	26	16	26	482	4	49.47	47.6
	450	615	565	26	20	28	532	4	63.01	60.99
	500	670	620	26	20	28	585	4	75.22	72.92
	600	780	725	30	20	34	685	5	123.85	120.12

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
EN1092 105 PN16 Blind flange	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	18	102	3	2.88	2.59
	65	185	145	18	4	18	122	3	3.66	3.32
	80	200	160	18	8	20	138	3	4.62	4.28
	100	220	180	18	8	20	158	3	5.65	5.27
	125	250	210	18	8	22	188	3	8.13	7.68
	150	285	240	22	8	22	212	3	10.5	9.9
	200	340	295	22	12	24	268	3	16.26	15.56
	250	405	355	26	12	26	320	3	25.01	24.02
	300	460	410	26	12	28	378	4	35.15	33.66
	350	520	470	26	16	30	438	4	48.05	46.38
	400	580	525	30	16	32	490	4	63.58	61.55
	450	640	585	30	20	40	550	4	96.65	94.45
	500	715	650	33	20	44	610	4	132.87	129.98
	600	840	770	36	20	54	725	5	226.46	221.7
	800	1025	950	39	24	62	900	5	387.94	381.64

EN1092-1/2 Blind Flange Type 05

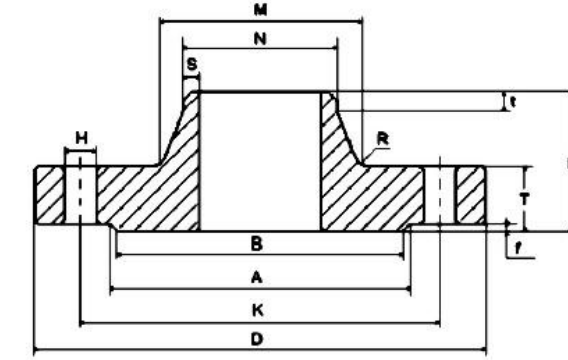
Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
EN1092 105 PN25 Blind flange	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	20	102	3	3.2	2.91
	65	185	145	18	8	22	122	3	4.29	3.98
	80	200	160	18	8	24	138	3	5.54	5.2
	100	235	190	22	8	24	162	3	7.6	7.14
	125	270	220	26	8	26	188	3	10.83	10.23
	150	300	250	26	8	28	218	3	14.61	13.93
	200	360	310	26	12	30	278	3	22.49	21.67
	250	425	370	30	12	32	335	3	33.53	32.46
	300	485	430	30	16	34	395	4	46.32	44.73
	350	555	490	33	16	38	450	4	68.13	65.96
	400	620	550	36	16	40	505	4	89.75	87.07
	450	670	600	36	20	50	555	4	130.49	127.65
	500	730	660	36	20	51	615	4	159.53	156.35
	600	845	770	39	20	66	720	5	278.38	273.28

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
EN1092 105 PN40 Blind flange	15	95	65	14	4	16	45	2	0.81	0.74
	20	105	75	14	4	18	58	2	1.14	1.05
	25	115	85	14	4	18	68	2	1.38	1.29
	32	140	100	18	4	18	78	2	2.03	1.88
	40	150	110	18	4	18	88	3	2.35	2.11
	50	165	125	18	4	20	102	3	3.2	2.91
	65	185	145	18	8	22	122	3	4.29	3.98
	80	200	160	18	8	24	138	3	5.54	5.2
	100	235	190	22	8	24	162	3	7.6	7.14
	125	270	220	26	8	26	188	3	10.83	10.23
	150	300	250	26	8	28	218	3	14.61	13.93
	200	375	320	30	12	36	285	3	28.84	27.94
	250	450	385	33	12	38	345	3	44.41	43.11
	300	515	450	33	16	42	410	4	64.22	62.25
	350	580	510	36	16	46	465	4	89.59	87.14
	400	660	585	39	16	50	535	4	126.87	123.79
	450	685	610	39	20	57	560	4	154.32	151.23
	500	755	670	42	20	57	615	4	188.06	184.2
	600	890	795	48	20	72	735	5	331.41	325.06

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count H	Thickness T	Waterline station A	Waterline height H	FF single weight kg	RF single weight kg
EN1092 105 PN63 Blind flange	15	105	75	14	4	20	45	2	1.26	1.16
	20	130	90	18	4	22	58	2	2.12	1.97
	25	140	100	18	4	24	68	2	2.71	2.54
	32	155	110	22	4	24	78	2	3.27	3.07
	40	170	125	22	4	26	88	3	4.33	3.97
	50	180	135	22	4	26	102	3	4.87	4.52
	65	205	160	22	8	26	122	3	6.12	5.69
	80	215	170	22	8	28	138	3	7.32	6.89
	100	250	200	26	8	30	162	3	10.57	10
	125	295	240	30	8	34	188	3	16.75	15.92
	150	345	280	33	8	36	218	3	24.5	23.34
	200	415	345	36	12	42	285	3	40.6	39.2
	250	470	400	36	12	46	345	3	58.28	56.68
	300	530	460	36	16	52	410	4	83.47	81.2
	350	600	525	39	16	56	465	4	115.98	113.03
	400	670	585	42	16	60	535	4	155.73	152.42

EN1092-1/2 Welding-Neck Type 11

Flange



Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Small head N	Plate thickness T	Total height F	Diameter t	Big head M	R	Waterline station A	Waterline height f	Wall thickness S	Internal diameter	RF single weight kg	FF single weight kg
EN1092 -1/2 PN10 Welding neck	10	90	60	14	4	17.2	16	35	6	28	4	40	2	1.8	15.2	0.66	0.73
	15	95	65	14	4	21.3	16	38	6	32	4	45	2	2	17.3	0.76	0.84
	20	105	75	14	4	26.9	18	40	6	40	4	58	2	2.3	22.9	1.07	1.16
	25	115	85	14	4	33.7	18	40	6	49	4	68	2	2.6	29.7	1.28	1.38
	32	140	100	18	4	42.4	18	42	6	56	6	78	2	2.6	38.4	1.86	2.01
	40	150	110	18	4	48.3	18	45	7	64	6	88	3	2.6	44.3	2.09	2.34
	50	165	125	18	4	60.3	18	45	8	74	5	102	3	2.9	56.3	2.46	2.75
	65	185	145	18	4	76.1	18	45	10	92	6	122	3	2.9	72.1	3.06	3.39
	80	200	160	18	8	88.9	20	50	10	105	6	138	3	3.2	82.9	3.90	4.24
	100	220	180	18	8	114	20	52	12	131	8	158	3	3.6	108.3	4.47	4.86
	125	250	210	18	8	140	22	55	12	156	8	188	3	4	131.7	6.24	6.70
	150	285	240	22	8	168	22	55	12	184	10	212	3	4.5	160.3	7.50	8.10
	200	340	295	22	8	219	24	62	16	234	10	268	3	6.3	207.1	11.43	12.17
	250	395	350	22	12	273	26	68	16	292	12	320	3	6.3	261.0	15.31	16.20
	300	445	400	22	12	324	26	68	16	342	12	370	4	7.1	309.9	17.90	19.27
	350	505	460	22	16	356	26	68	16	385	12	430	4	7.1	341.6	24.70	26.24
	400	565	515	26	16	406	26	72	16	440	12	482	4	7.1	392.4	30.03	31.90
	450	615	565	26	20	457	28	72	16	488	12	532	4	7.1	443.0	34.42	36.43
	500	670	620	26	20	508	28	75	16	542	12	585	4	7.1	494.0	39.92	42.22
	600	780	725	30	20	610	30	82	18	642	12	685	5	7.1	594.0	52.76	56.50

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Small head N	Plate thickness T	Total height F	Diameter t	Big head M	R	Waterline station A	Waterline height f	Wall thickness S	Internal diameter	RF single weight kg	FF single weight kg
EN1092 -1/2 PN16 Welding neck	10	90	60	14	4	17.2	16	35	6	28	4	40	2	1.8	15.2	0.66	0.73
	15	95	65	14	4	21.3	16	38	6	32	4	45	2	2	17.3	0.76	0.84
	20	105	75	14	4	26.9	18	40	6	40	4	58	2	2.3	22.9	1.07	1.16
	25	115	85	14	4	33.7	18	40	6	46	4	68	2	2.6	29.7	1.28	1.38
	32	140	100	18	4	42.4	18	42	6	56	6	78	2	2.6	38.4	1.86	2.01
	40	150	110	18	4	48.3	18	45	7	64	6	88	3	2.6	44.3	2.09	2.34
	50	165	125	18	4	60.3	18	45	8	74	5	102	3	2.9	56.3	2.46	2.75
	65	185	145	18	4	76.1	18	45	10	92	6	122	3	2.9	72.1	3.06	3.39
	80	200	160	18	8	88.9	20	50	10	105	6	138	3	3.2	82.9	3.90	4.24
	100	220	180	18	8	114	20	52	12	131	8	158	3	3.6	108.3	4.47	4.86
	125	250	210	18	8	140	22	55	12	156	8	188	3	4	131.7	6.24	6.70
	150	285	240	22	8	168	22	55	12	184	10	212	3	4.5	160.3	7.50	8.10
	200	340	295	22	12	219	24	62	16	235	10	268	3	6.3	207.1	11.43	11.94
	250	405	355	26	12	273	26	70	16	292	12	320	3	6.3	261.0	16.27	17.26
	300	460	410	26	12	324	28	78	16	344	12	378	4	7.1	309.9	21.84	23.34
	350	520	470	26	16	356	30	82	16	390	12	438	4	7.1	339.6	32.62	34.29
	400	580	525	30	16	406	32	85	16	445	12	490	4	7.1	390.4	40.88	42.90
	450	640	585	30	20	457	40	87	16	490	12	550	4	7.1	441.0	55.07	57.27
	500	715	650	33	20	508	44	90	16	548	12	610	4	7.1	492.0	74.68	77.58
	600	840	770	36	20	610	54	95	18	652	12	725	5	7.1	594.0	115.61	120.36

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Small head N	Plate thickness T	Total height F	Diameter t	Big head M	R	Waterline station A	Waterline height f	Wall thickness S	Internal diameter	RF single weight kg	FF single weight kg
EN 1092 ~1/2 PN25 Welding neck	10	90	60	14	4	17.2	16	35	6	28	4	40	2	1.8	13.6	0.67	0.74
	15	95	65	14	4	21.3	16	38	6	32	4	45	2	2	17.3	0.76	0.84
	20	105	75	14	4	26.9	18	40	6	40	4	58	2	2.3	22.3	1.08	1.17
	25	115	85	14	4	33.7	18	40	6	46	4	68	2	2.6	28.5	1.30	1.40
	32	140	100	18	4	42.4	18	42	6	56	6	78	2	2.6	37.2	1.88	2.03
	40	150	110	18	4	48.3	18	45	7	64	6	88	3	2.6	43.1	2.12	2.36
	50	165	125	18	4	60.3	20	48	8	75	6	102	3	2.9	54.5	2.82	3.11
	65	185	145	18	8	76.1	22	52	10	90	6	122	3	2.9	70.3	3.67	3.98
	80	200	160	18	8	88.9	24	58	12	105	8	138	3	3.2	82.5	4.74	5.08
	100	235	190	22	8	114	24	65	12	134	8	162	3	3.6	107.1	6.44	6.90
	125	270	220	26	8	140	26	68	12	162	8	188	3	4	131.7	8.85	9.45
	150	300	250	26	8	168	28	75	12	192	10	218	3	4.5	159.3	11.60	12.28
	200	360	310	26	12	219	30	80	16	244	10	278	3	6.3	206.5	17.16	17.97
	250	425	370	30	12	273	32	88	18	298	12	335	3	7.1	258.8	24.26	25.33
	300	485	430	30	16	324	34	92	18	352	12	395	4	8	307.7	31.78	33.38
	350	555	490	33	16	356	38	100	20	398	12	450	4	8	339.6	49.11	51.29
	400	620	550	36	16	406	40	110	20	452	12	505	4	8.8	388.8	64.04	66.72
	450	670	600	36	20	457	46	110	20	500	12	555	4	8.8	439.4	76.59	79.42
	500	730	660	36	20	508	48	125	20	558	12	615	4	10	488.0	98.27	101.45
	600	845	770	39	20	610	58	125	20	660	12	720	5	11	588.0	139.57	144.67

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Small head N	Plate thickness T	Total height F	Diameter t	Big head M	R	Waterline station A	Waterline height f	Wall thickness S	Internal diameter	RF single weight kg	FF single weight kg
EN 1092 ~1/2 PN40 Welding neck	10	90	60	14	4	17.2	16	35	6	28	4	40	2	1.8	13.6	0.67	0.74
	15	95	65	14	4	21.3	16	38	6	32	4	45	2	2	17.3	0.76	0.84
	20	105	75	14	4	26.9	18	40	6	40	4	58	2	2.3	22.3	1.08	1.17
	25	115	85	14	4	33.7	18	40	6	46	4	68	2	2.6	28.5	1.30	1.40
	32	140	100	18	4	42.4	18	42	6	56	6	78	2	2.6	37.2	1.88	2.03
	40	150	110	18	4	48.3	18	45	7	64	6	88	3	2.6	43.1	2.12	2.36
	50	165	125	18	4	60.3	20	48	8	75	6	102	3	2.9	54.5	2.82	3.11
	65	185	145	18	8	76.1	22	52	10	90	6	122	3	2.9	70.3	3.67	3.98
	80	200	160	18	8	88.9	24	58	12	105	8	138	3	3.2	82.5	4.74	5.08
	100	235	190	22	8	114	24	65	12	134	8	162	3	3.6	107.1	6.44	6.90
	125	270	220	26	8	140	26	68	12	162	8	188	3	4	131.7	8.85	9.45
	150	300	250	26	8	168	28	75	12	192	10	218	3	4.5	159.3	11.60	12.28
	200	375	320	30	12	219	34	88	16	244	10	285	3	6.3	206.5	21.05	21.95
	250	450	385	33	12	273	38	105	18	306	12	345	3	7.1	258.8	34.37	35.67
	300	515	450	33	16	324	42	115	18	362	12	410	4	8	307.7	47.96	49.92
	350	580	510	36	16	356	46	125	20	408	12	465	4	8.8	338.0	70.08	72.53
	400	660	585	39	16	406	50	135	20	462	12	535	4	11	384.4	99.58	102.67
	450	685	610	39	20	457	57	135	20	500	12	560	4	12.5	432.0	105.98	109.07
	500	755	670	42	20	508	57	140	20	562	12	615	4	14.2	479.6	132.09	135.96
	600	890	795	48	20	610	72	150	20	666	12	735	5	16	578.0	211.76	218.11

Pressure PN	Size DN	Outer diameter D	Center distance K	Aperture H	Hole count	Small head N	Plate thickness T	Total height F	Diameter t	Big head M	R	Waterline station A	Waterline height f	Wall thickness S	Internal diameter	RF single weight kg	FF single weight kg
EN 1092 ~1/2 PN63 Welding neck	10	100	70	14	4	17.2	20	45	6	32	4	40	2	1.8	13.6	1.09	1.18
	15	105	75	14	4	21.3	20	45	6	34	4	45	2	2	17.3	1.2	1.3
	20	130	90	18	4	26.9	22	48	8	42	4	58	2	2.6	21.7	2.02	2.17
	25	140	100	18	4	33.7	24	58	8	52	4	68	2	2.6	28.5	2.64	2.8
	32	155	110	22	4	42.4	24	60	8	62	6	78	2	2.9	36.6	3.18	3.38
	40	170	125	22	4	48.3	26	62	10	70	6	88	3	2.9	42.5	4.06	4.41
	50	180	135	22	4	60.3	26	62	10	82	6	102	3	2.9	54.5	4.5	4.88
	65	205	160	22	8	76.1	26	68	12	98	6	122	3	3.2	69.7	5.62	6.05
	80	215	170	22	8	88.9	28	72	12	112	8	138	3	3.6	81.7	6.66	7.09
	100	250	200	26	8	114	30	78	12	138	8	162	3	4	106.3	9.27	9.84
	125	295	240	30	8	140	34	88	12	168	8	188	3	4.5	130.7	14.53	15.36
	150	345	280	33	8	168	36	95	12	202	10	218	3	5.6	157.1	21.35	22.52
	200	415	345	36	12	219	42	110	16	256	10	285	3	7.1	204.9	34.38	35.78
	250	470	400	36	12	273	46	125	18	316	12	345	3	8.8	255.4	48.65	50.25
	300	530	460	36	16	324	52	140	18	372	12	410	4	11	301.9	68.2	70.48
	350	600	525	39	16	356	56	150	20	420	12	465	4	12.5	330.6	99.1	102
	400	670	585	42	16	406	60	160	20	475	12	535	4	14.2	378	131.19	134.51

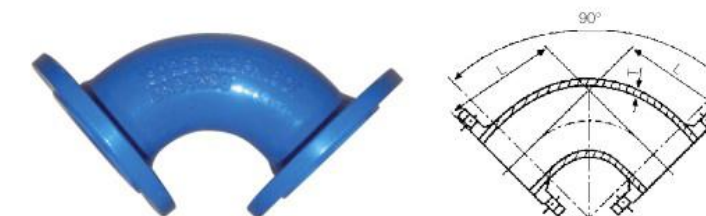
Cast Iron Pipe Fittings



Cast iron pipe fittings

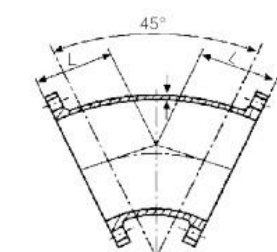


Double flange bend



90° Double-flanged bends

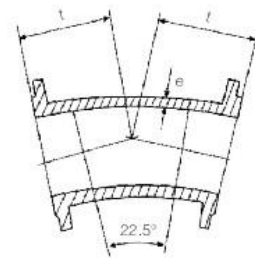
DN	T	L	90° Bends		
			Mass		
			PN10	PN16	PN25
80	7	165	9.6	9.6	9.6
100	7.2	180	11.9	11.9	12.9
150	7.8	220	20	20	22
200	8.4	260	31	30.5	34.5
250	9	350	50	49.5	57
300	9.6	400	70	70	81
350	10.2	450	90	96	113
400	10.8	500	117	127	149
450	11.4	550	147	163	184
500	12	600	184	211	235
600	13.2	700	272	325	353
700	14.4	800	399	429	497
800	15.6	900	552	590	686
900	16.8	1000	722	770	886
1000	18	1100	937	1020	1162
1100	19.2	1200	1205	1275	1427
1200	20.4	1300	1490	1619	1791
1400	22.8	1350	2199	2335	2641
1500	24.0	1400	2273	2449	2843
1600	25.2	1450	3137	3341	3697
1800	27.6	1500	3860.5	4112.3	4592



45° Double-flanged bends

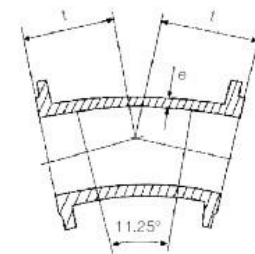
DN	T	L	Mass		
			PN10	PN16	PN25
80	7	130	9.3	9.3	9.3
100	7.2	140	11.3	11.3	12.4
150	7.8	160	18.5	18.5	20.5
200	8.4	180	27.5	27	31
250	9	350	55	54	62
300	9.6	400	76	77	88
350	10.2	300	78	83	71
400	10.8	325	96	107	129
450	11.4	350	120	135	157
500	12	375	147	175	198
600	13.2	425	216	266	294
700	14.4	480	302	328	395
800	15.6	530	412	442	538
900	16.8	580	529	569	685
1000	18	630	680	753	895
1100	19.2	695	857	927	1079
1200	20.4	750	1062	1178	1350
1400	22.8	775	1422	1544	1850
1500	24	810	1677	1853	2129
1600	25.2	845	1962	2151	2507
1800	27.6	910	2528	2763	3243
2000	30	980	3231	3519	4225

Double flange bend



22.5° Double-flange bends

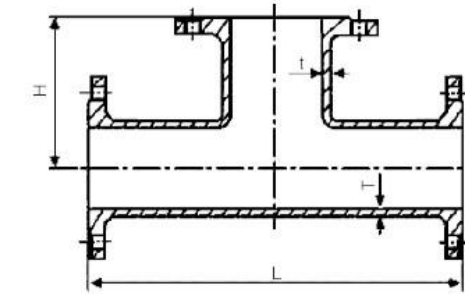
DN	Mass			e	t
	PN10	PN16	PN25		
80	9.4	9.4	9.4	7.0	105
100	11.5	11.5	12.5	7.2	110
150	18.7	18.7	21	7.8	109
200	27.9	28	32	8.4	131
250	50	50	58	9.0	190
300	70	70	78	9.6	210
350	70	76	93	10.2	210
400	96.7	109	131	10.8	239
450	122	138	166	11.4	349
500	146	178	199.8	12.0	375
600	215.2	268	296.6	13.2	426
700	311	334	400	14.4	478
800	423	453	549	15.6	529
900	543	599.2	715	16.8	581
1000	724	807	949	18.0	632
1100	877	947	1099	19.2	683
1200	1088	1198	1370	20.4	735
1400	1551	1832	2138	22.8	835
1500	1838	2014	2411	24.0	880
1600	2216	2420	2775	25.2	845
1800	1640	1864	2344	27.6	480
2000	2081	2357	3063	30.0	520



11.25° Double-flange bends

DN	Mass			e	t
	PN10	PN16	PN25		
80	9.5	9.5	9.5	7.0	113
100	11.5	11.5	12.5	7.2	115
150	19.1	19.1	21	7.8	113
200	29.9	29	32	8.4	132
250	49	49	60	9.0	165
300	68	68	81	9.6	175
350	66	72	90	10.2	191
400	88	100	100	10.8	205
450	123	139	166	11.4	349
500	152	179	201	12.0	375
600	222	269	299	13.2	426
700	313	336	402	14.4	478
800	426	455	551	15.6	529
900	546	584	700	16.8	581
1000	724	807	949	18.0	632
1100	882	952	1022	19.2	683
1200	1060	1204	1332	20.4	735
1400	1507	1674	1980	22.8	835
1500	1849	2025	2419	24.0	885
1600	2203	2382	2738	25.2	940
1800	1345	1566	2046	27.6	345
2000	1694	1970	2676	30.0	375

All flange tee



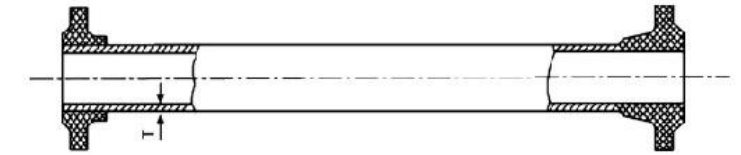
All-flanged tees

DN × dn	T	L	t	H	Mass		
					PN10	PN16	PN25
80 × 80	7.0	330	7.0	165	15.6	15.6	15.6
100 × 80	7.2	360	7.0	175	18.4	18.4	19.5
100 × 100	7.2	360	7.2	180	19.4	19.4	21
150 × 80	7.8	440	7.0	205	28.5	28.5	31
150 × 100	7.8	440	7.2	210	29.5	29.5	32
150 × 150	7.8	440	7.8	220	32.5	32.5	36
200 × 80	8.4	520	7.0	235	42	41.5	46
200 × 100	8.4	520	7.2	240	43	42	47.5
200 × 150	8.4	520	7.8	250	46	45.5	51
200 × 200	8.4	520	8.4	260	49.5	49	56
250 × 80	9.0	700	7	270	49.7	49.3	56.7
250 × 100	9.0	700	7.2	275	68	67	75
250 × 150	9.0	700	7.8	300	73.5	71	81
250 × 200	9.0	700	8.4	325	76	75	85
250 × 250	9.0	700	9.0	350	82	81	93
300 × 100	9.6	800	7.2	300	94	93	105
300 × 150	9.6	800	7.8	325	99	98.5	109
300 × 200	9.6	800	8.4	350	102	101	114
300 × 250	9.6	800	9.0	375	109	108	121
300 × 300	9.6	800	9.6	400	116	115	131
350 × 100	10.2	850	7.2	325	116	122	139
350 × 150	10.2	850	7.8	325	120	126	143
350 × 200	10.2	850	8.4	325	121	128	146
350 × 250	10.2	850	9.0	325	128	134	154
350 × 300	10.2	850	9.6	425	140	145	166
350 × 350	10.2	850	10.2	425	142	151	176
400 × 100	10.8	900	7.2	350	143	154	177
400 × 150	10.8	900	7.8	350	144	158	181
400 × 200	10.8	900	8.4	350	148	159	184
400 × 250	10.8	900	9.0	350	151	161	198
400 × 300	10.8	900	9.6	450	168	177	204
400 × 350	10.8	900	10.2	450	170	183	215
400 × 400	10.8	900	10.8	450	174	191	225
450 × 100	11.4	950	7.2	375	177	193	215
450 × 150	11.4	950	7.8	375	182	197	219
450 × 200	11.4	950	8.4	375	185	200	224
450 × 250	11.4	950	9.0	375	194	210	235
450 × 300	11.4	950	9.6	475	203	218	245
450 × 350	11.4	950	10.2	475	209	228	258
450 × 400	11.4	950	10.8	475	215	236	270
450 × 450	11.4	950	11.4	475	225	251	284
500 × 00	12.0	1000	7.2	400	210	241	265
500 × 150	12.0	1000	7.8	400	214	243	269
500 × 200	12.0	1000	8.4	400	215	245	271
500 × 250	12.0	1000	9.0	400	218	258	280
500 × 300	12.0	1000	9.6	500	237	264	287
500 × 350	12.0	1000	10.2	500	239	268	298
500 × 400	12.0	1000	10.8	500	242	276	311
500 × 450	12.0	1000	11.4	500	249	298	327
500 × 500	12.0	1000	12.0	500	252	301	336

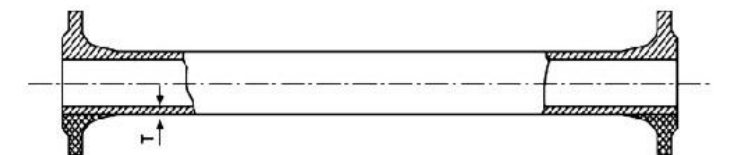
All flange tee

DN × DN	T	L	t	H	Mass		
					PN10	PN16	PN25
600 × 100	13.2	1100	7.2	450	297	347	372
600 × 150	13.2	1100	7.8	450	298	356	375
600 × 200	13.2	1100	8.4	450	305	358	388
600 × 250	13.2	1100	9.0	450	307	360	392
600 × 300	13.2	1100	9.6	550	312	375	404
600 × 350	13.2	1100	10.2	550	326	380	413
600 × 400	13.2	1100	10.8	550	329	387	427
600 × 450	13.2	1100	11.4	550	338	417	448
600 × 500	13.2	1100	12.0	550	349	420	464
600 × 600	13.2	1100	13.2	550	355	434	477
700 × 100	14.4	540	7.2	510	253	295	362.3
700 × 150	14.4	595	7.8	515	255	296	363.8
700 × 200	14.4	650	8.4	525	266	298	367
700 × 300	14.4	760	9.6	540	319	342	414
700 × 400	14.4	870	10.8	555	343	379	457
700 × 500	14.4	980	12.0	570	442	481	560
700 × 600	14.4	1200	13.2	585	476	523	604
700 × 700	14.4	1200	14.4	600	477	543	643
800 × 100	15.6	580	7.2	570	345	383	480
800 × 150	15.6	635	7.8	575	349	387	484
800 × 200	15.6	690	8.4	585	352	390	488
800 × 300	15.6	800	9.6	600	423	443	544.6
800 × 400	15.6	910	10.8	615	441	484	591
800 × 500	15.6	1020	12.0	630	561	599	706
800 × 600	15.6	1350	13.2	645	613	678	788
800 × 700	15.6	1350	14.4	660	663	711	840
800 × 800	15.6	1350	15.6	675	667	715	859
900 × 100	16.8	620	7.2	630	428	476	
900 × 150	16.8	675	7.8	635	432	480	
900 × 200	16.8	730	8.4	645	436	484	
900 × 300	16.8	840	9.6	660	523	569	
900 × 400	16.8	950	10.8	675	541	594	
900 × 500	16.8	1060	12.0	690	726	784	
900 × 600	16.8	1500	13.2	705	787	860	
900 × 700	16.8	1500	14.4	720	843	901	
900 × 800	16.8	1500	15.6	735	853	913	
900 × 900	16.8	1500	16.8	750	860	924	
1000 × 100	18.0	660	7.2	690	524	572	
1000 × 150	18.0	715	7.8	695	534	582	
1000 × 200	18.0	770	8.4	705	546	629	
1000 × 300	18.0	880	9.6	720	651	739	
1000 × 400	18.0	990	10.8	735	668	755	
1000 × 500	18.0	1100	12	750	955	1007	
1000 × 600	18.0	1650	13.2	765	1007	1116	
1000 × 700	18.0	1650	14.4	780	1067	1152	
1000 × 800	18.0	1650	15.6	795	1085	1168	
1000 × 900	18.0	1650	16.8	810	1095	1219	
1000 × 1000	18.0	1650	18.0	825	1105	1229	
1100 × 400	19.2	1030	10.8	795	839	913	
1100 × 600	19.2	1800	13.2	825	1298	1391	
1100 × 800	19.2	1800	15.6	855	1345	1430	
1100 × 1000	19.2	1800	18.0	885	1407	1512	
1100 × 1100	19.2	1800	19.2	900	1450	1555	
1200 × 100	20.4	660	7.2	810	996	1082	
1200 × 150	20.4	715	7.8	a15	998	1084	
1200 × 200	20.4	775	8.4	825	1000	1086	
1200 × 300	20.4	890	9.6	840	1004	1122	
1200 × 400	20.4	1010	10.8	855	1008	1160	
1200 × 500	20.4	1125	12.0	870	1089	1255	
1200 × 600	20.4	1240	13.2	885	1101	1256	
1200 × 700	20.4	1355	14.4	900	1279	1432	
1200 × 800	20.4	1470	15.6	915	1291	1439	
1200 × 900	20.4	1585	16.8	930	1427	1662	
1200 × 1000	20.4	1700	18.0	945	1494	1664	
1200 × 1200	20.4	1935	20.4	975	1806	1970	

Flange Pipe



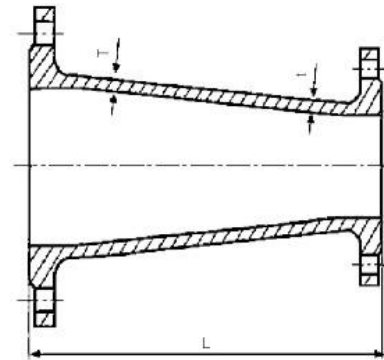
Pipes with screwed-on or weld-on flanges



Pipes with integrally cast flanges

DN	Barrel				Flange mass					
	K=12		K=14		Integral flange			Screwed-on or weld on flanges		
	T	Mass/m	T	Mass/m	PN10	PN16	PN25	PN10	PN16	PN25
80	7.0	14.1	8.1	16.1	2.9	2.9	2.9	3.5	3.5	3.5
100	7.2	17.7	8.4	20.4	3.3	3.3	3.8	4.0	4.0	4.5
125	7.5	22.7	8.8	26.4	4.0	4.0	4.6	5.0	5.0	5.6
150	7.8	28.0	9.1	32.4	4.9	4.9	5.9	6.1	6.1	7.1
200	8.4	39.7	9.8	46.1	6.8	6.6	8.7	8.5	8.3	10.4
250	9.0	52.8	10.5	61.3	9.6	9.2	13.1	11.8	11.4	15.3
300	9.6	67.3	11.2	78.1	12.8	12.4	18.0	15.6	15.2	20.8
350	10.2	83.1	11.9	96.5	14.1	17.2	25.5	19	20.7	29.0
400	10.8	100.0	12.6	116.2	16.3	21.9	33.2	23	26.1	37.4
450	11.4	118.3	13.3	137.5	18.1	26.7	42.2	25	32.7	43.0
500	12.0	138.2	14.0	160.6	21.8	37.0	48.7	29	42.8	54.5
600	13.2	181.8	15.4	211.3	30.8	57.3	71.5	40	64.9	79.1
700	14.4	230.8	16.8	268.4	40.5	55.6	90.3	54	65.3	—
800	15.6	285.5	18.2	332.1	54.8	74.0	123	72	85.9	—
900	16.8	345.4	19.6	401.7	64.3	88.2	149	85	102.6	—
1000	18.0	410.6	21.0	477.7	81.4	123	201	111	145	—
1100	19.2	481.7	22.4	560.4	105	141	224	131	164	—
1200	20.4	557.7	23.8	649.0	121	185	285	160	211	—
1400	22.8	726.8	26.6	845.7	148	216	368	212	264	—
1500	24.0	819.1	28.0	953.2	201.4	289.3	—	243	326	—
1600	25.2	916.9	29.4	1067.0	206	308	486	288	369	—
1800	27.6	1129.3	32.2	1314.2	236.3	362.2	601.9	337	435	—
2000	30.0	1363.4	35.0	1586.8	279.4	432.2	784.9	390	507	—

Double flange taper



Double-flanged tapers

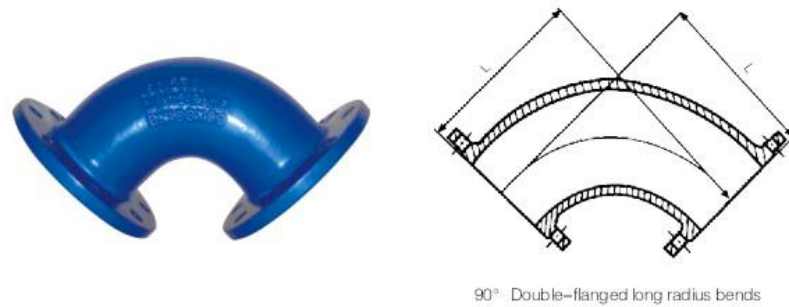
DN × DN	T	t	L	Mass		
				PN10	PN16	PN25
100 × 100	7.2	7.0	200	9.3	9.3	9.3
150 × 80	7.8	7.0	400	16.4	16.4	17.4
150 × 100	7.8	7.2	300	15.3	15.3	16.8
200 × 100	8.4	7.2	600	27.5	27.5	30.0
200 × 150	8.4	7.8	300	22	21.5	31.5
250 × 150	9.0	7.8	600	39	39.0	43.5
25 × 200	9.0	8.4	300	30	29.5	35.5
300 × 150	9.6	7.8	650	48.5	48.5	55
300 × 200	9.6	8.4	600	52.0	51.5	59
300 × 250	9.6	9.0	300	40.5	39.5	49
350 × 200	10.2	8.4	650	61.5	64.0	74.0
350 × 250	10.2	9.0	600	65.5	67.5	79.0
350 × 300	10-2	9.6	300	49.5	52.5	66
400 × 200	10.8	8.4	700	73.5	77.5	90.5
400 × 250	10.8	9.0	650	77.0	81.5	96.0
400 × 300	10.8	9.6	600	80.5	85.0	101
400 × 350	10.8	10.2	300	58	67	86
450 × 250	11.4	9.0	700	89.5	97	112
450 × 300	11.4	9.6	650	93.5	101	117
450 × 350	11.4	10.2	600	95.6	106	126
450 × 400	11.4	10.8	300	70.5	83	105
500 × 300	12.0	9.6	700	109	122	138
500 × 350	12.0	10.2	650	111	127	145
500 × 400	12.0	10.8	600	110	130	153
500 × 450	12.0	11.4	300	83	104	126
600 × 350	13.2	10.2	750	147	174	193
600 × 400	13.2	10.8	700	150	178	201

Double flange taper

Cast Iron Pipe Fittings

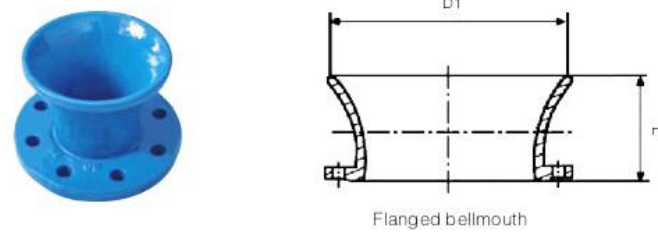
DN × dn	T	t	L	Mass		
				PN10	PN16	PN25
600 × 450	13.2	11.4	650	151	183	260
600 × 500	13.2	12.0	600	149	190	216
700 × 400	14.4	10.8	800	196	212	
700 × 450	14.4	11.4	750	197	217	
700 × 500	14.4	12.0	700	200	225	
700 × 600	14.4	13.2	600	195	236	
800 × 450	15.6	11.4	900	263	286	
800 × 500	15.6	12.0	800	256	284	
800 × 600	15.6	13.2	700	260	298	
800 × 700	15.6	14.4	600	250	285	
900 × 500	16.8	12.0	1000	328	370	
900 × 600	16.8	13.2	800	318	360	
900 × 700	16.8	14.4	700	321	352	
900 × 800	16.8	15.6	600	308	352	
1000 × 600	18	13.2	1000	422	490	
1000 × 700	18	14.4	800	396	442	
1000 × 800	18	15.6	700	399	448	
1000 × 900	18	16.8	600	373	438	
1100 × 700	19.2	14.4	1000	515	562	
1100 × 800	19.2	15.6	800	483	532	
1100 × 900	19.2	16.8	700	476	530	
1100 × 1000	19.2	18.0	600	460	543	
1200 × 700	20.4	14.4	1345	711	777	
1200 × 800	20.4	15.6	1160	688	758	
1200 × 900	20.4	16.8	975	652	726	
1200 × 1000	20.4	18.0	790	586	692	
1200 × 1100	20.4	19.2	605	566	655	
1400 × 800	22.8	15.6	1590	1034	1105	
1400 × 900	22.8	16.8	1405	998	1074	
1400 × 1000	22.8	18.0	1220	961	1052	
1400 × 1100	22.8	19.2	1035	914	1005	
1400 × 1200	22.8	20.4	850	814	947	
1500 × 900	24.0	16.8	1620	1211	1317	
1500 × 1000	24.0	18.0	1435	1174	1297	
1500 × 1100	24.0	19.2	1250	1127	1250	
1500 × 1200	24.0	20.4	1065	1074	1216	
1500 × 1400	24.0	22.8	695	914	1052	
1600 × 1000	25.2	18.0	1650	1424	1547	
1600 × 1100	25.2	19.2	1465	1377	1502	
1600 × 1200	25.2	20.4	1280	1324	1468	
1600 × 1400	25.2	22.8	910	1103	1273	
1600 × 1500	25.2	24.0	725	1073	1250	
1800 × 1100	27.6	19.2	1895	1910	2057	
1800 × 1200	27.6	20.4	1710	1858	2024	
1800 × 1400	27.6	22.8	1340	1701	1870	
1800 × 1500	27.6	24.0	1155	1610	1810	
1800 × 1600	27.6	25.2	970	1436	1664	
2000 × 1200	30	20.4	2140	2512	2705	
2000 × 1400	30	22.8	1770	2358	2553	
2000 × 1500	30	24.0	1585	2268	2494	
2000 × 1600	30	25.2	1400	2176	2404	
2000 × 1800	30	27.6	1030	1800	2079	

Double flange long bend/Bell mouth



90° Double-flanged long radius bends

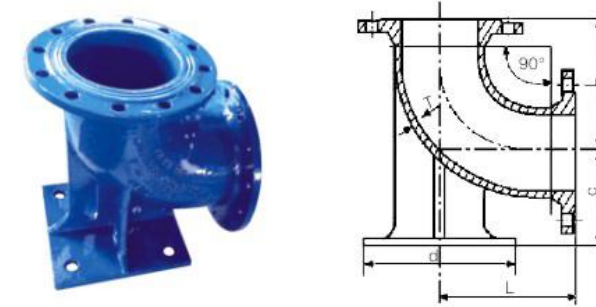
DN	L	Mass		
		PN10	PN16	PN25
80	380	14.5	14.5	14.5
100	400	18	18	19.0
125	425	23.5	23.5	24.1
150	450	30.1	30.1	32.1
200	500	45.9	45.4	49.6
250	550	66.4	65.2	73.2
300	600	89.5	90.8	101
350	660	115.8	121.6	138.4
400	700	117	129	152
450	750	184	200	221
500	800	227	252.6	275.8
600	900	326.2	377	407.6
700	1000	466	492	
800	1100	632	666	
900	1200	816	854	
1000	1300	1048	1190	
1100	1400	1315	1385	
1200	1500	1627	1737	



Flanged bellmouth

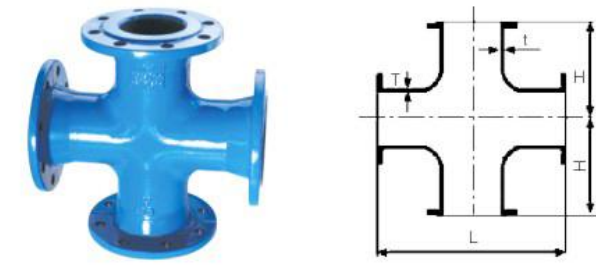
DN	D1	L	Mass		
			PN10	PN16	PN25
80	150	130	6	6	6
100	175	135	7	7	7
150	230	150	15	15	16
200	290	170	16	16	18
250	345	183	21	21	24.5
300	405	205	28.5	28.5	33.5
350	460	220	36	38	46
400	520	240	45	50	61
450	575	255	54	62	73
500	635	275	67	80	91
600	750	310	97	120	134
700	865	345	135	146	180
800	980	380	185	204	213
900	1095	415	231	250	306
1000	1210	450	297	331	406
1100	1325	485	369	405	488
1200	1440	520	447	512	603
1400	1670	590	646	702	854
1500	1785	625	77.2	851	999
1600	1900	660	906	995	1173
1800	2130	730	1185	1298	1538
2000	2360	800	1530	1668	2036

Double flange duckfoot bend/All flange cross



90° Double-flanged duckfoot bends

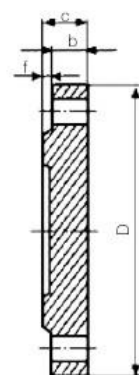
DN	T	90° Duckfoot bends			Mass		
		L	c	d	PN10	PN16	PN25
80	7	165	110	180	14.1	14.1	14.1
100	7.2	180	125	200	17.3	17.8	18.8
150	7.8	220	160	250	30	30	32
200	8.4	260	190	300	46.5	46	50.5
250	9	350	225	350	75	75	82
300	9.6	400	255	400	106	105	116
350	10.2	450	290	450	139	145	162
400	10.8	500	320	500	178	189	212
450	11.4	550	355	550	245	261	283
500	12	600	385	600	283	313	337
600	13.2	700	450	700	428	481	509
700	14.4	800	515	800	700	721	811
800	15.6	900	580	900	944	974	1070
900	16.8	1000	645	1000	1252	1290	1406
1000	18	1100	710	1100	1698	1781	1931
1100	19.2	1200	776	1200	2080	2150	2302
1200	20.4	1300	840	1300	2599	2709	2881



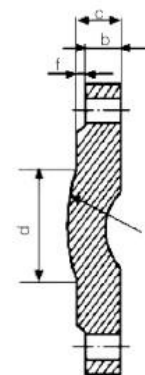
All-flanged cross

DN × DN	T	t	L	H	Mass PN16
80 × 80	8.1	8.1	330	165	20.5
100 × 100	8.4	8.4	360	180	25
150 × 150	9.1	9.1	440	220	41.1
200 × 200	9.8	9.8	520	260	60.9
250 × 250	10.5	10.5	700	350	101
300 × 300	11.2	11.2	800	400	143
350 × 350	11.9	11.9	850	425	186
400 × 400	12.6	12.6	900	450	237
450 × 450	13.3	13.3	950	475	329
500 × 500	14.0	14.0	1000	500	340
600 × 600	15.4	15.4	1100	550	527

Blank flange



DN ≤ 250

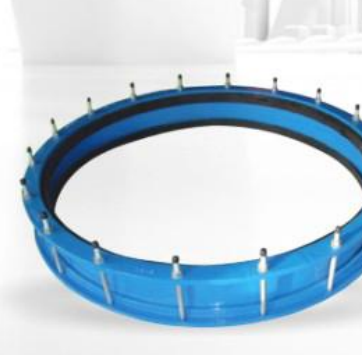


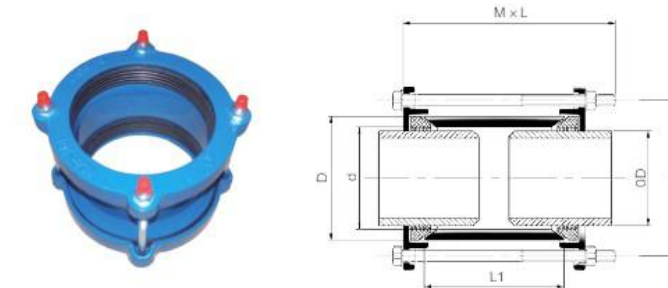
DN ≥ 300

Blank flanges

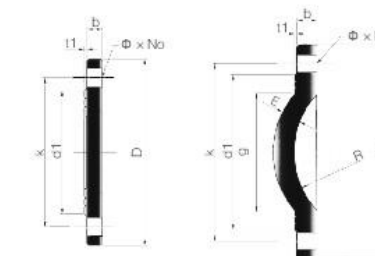
DN	Mass		
	PN10	PN16	PN25
80	3.5	3.5	3.5
100	4.3	4.3	4.8
150	7.2	7.2	8.3
200	11.0	10.8	13.3
250	16.9	16.6	21.0
300	24.0	23.5	30.0
350	21.0	35.0	45.0
400	38.0	46.0	59.0
450	46.5	83.5	79.0
500	59.0	80.0	98.0
600	89.0	126	151
700	129	164	216
800	180	229	300
900	235	301	399
1000	310	406	536
1100	405	618	615
1200	575	662	702
1400	739	994	1085
1500	990	1201	1398
1600	1239	1409	1674
1800	1717	1858	2245
2000	2272	2407	2985

Joint





DN	OD/mm	D/mm	d/mm	K/mm	L1/mm	M x L/mm
50	66	86	70	125	102	M12 x 170 x 2
65	82	100	86	145	102	M12 x 170 x 4
80	98	124	103	158	102	M12 x 170 x 4
100	118	144	123	178	102	M12 x 170 x 4
150	170	197	175	236	102	M12 x 170 x 4
200	222	250	227	293	102	M12 x 180 x 6
250	274	302	280	345	102	M12 x 190 x 6
300	326	358	332	402	102	M12 x 190 x 6
350	378	410	384	460	152	M16 x 240 x 8
400	429	462	435	506	152	M16 x 240 x 8
450	480	512	486	556	152	M16 x 240 x 10
500	532	564	538	605	152	M16 x 250 x 10
600	635	668	642	616	152	M16 x 250 x 10
700	738	772	745	820	152	M16 x 260 x 12
800	842	875	849	929	152	M16 x 260 x 12
900	945	978	952	1030	178	M16 x 290 x 14
1000	1048	1082	1056	1143	178	M16 x 290 x 14
1100	1152	1189	1160	1254	178	M16 x 310 x 16
1200	1255	1293	1265	1359	178	M16 x 310 x 16
1400	1462	1502	1472	1576	178	M20 x 320 x 18
1500	1565	1614	1575	1684	178	M20 x 340 x 18
1600	1668	1715	1678	1790	178	M20 x 350 x 20
1800	1875	1926	1887	1997	200	M20 x 380 x 22
2000	2082	2138	2096	2193	210	M20 x 380 x 24



Blank Flange PN16

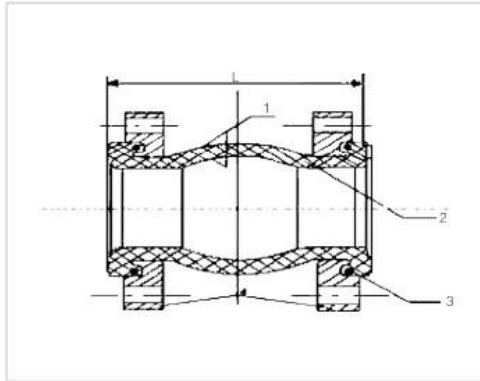
DN	D/mm	b/mm	K/mm	t1/mm	d1/mm	Φ x No/mm	BOLTS	E/mm	g/mm	R/mm
50	165	16	125	3	99	19 x 4	M16			
65	185	16	145	3	118	19 x 4	M16			
80	200	16	160	3	132	19 x 8	M16			
100	220	16	180	3	156	19 x 8	M16			
150	285	16	240	3	211	23 x 8	M20			
200	340	17	295	3	266	23 x 12	M20			
250	400	19	355	3	319	28 x 12	M24			
300	455	20.5	410	4	370	28 x 12	M24			
350	520	22.5	470	4	429	28 x 16	M24	22.5	325	325
400	580	24	525	4	480	31 x 16	M27	24	375	375
450	640	26	585	4	548	31 x 20	M27	26	425	425
500	715	27.5	650	4	609	34 x 20	M30	27.5	475	475
600	840	31	770	5	720	37 x 20	M33	31	575	575
700	910	34.5	840	5	794	37 x 24	M33	34.5	675	675
800	1025	38	950	5	901	40 x 24	M36	38	775	775
900	1125	41.5	1050	5	1001	40 x 28	M36	41.5	875	875
1000	1255	45	1170	5	1112	43 x 28	M39	45	975	975
1200	1485	52	1390	5	1328	49 x 32	M45	52	1175	1175
1400	1685	55	1590	5	1530	49 x 36	M45	55	1375	1375
1600	1930	60	1820	5	1750	56 x 40	M52	60	1575	1575
1800	2130	65	2020	5	1950	56 x 44	M52	65	1775	1775
2000	2345	70	2230	5	2150	62 x 48	M56	70	1975	1975

Single ball rubber joint

KXT-A Flexible Rubber Joint



KXT-B Flexible Anti-pull Rubber Joint



Technical Parameters

Item	Model	KXT-A1	KXT-A2	KXT-A3
Working pressure MPa(kgf/cm ²)		1.0(10)	1.6(16)	2.5(25)
Explosion pressure MPa(kgf/cm ²)		2.0(20)	3.0(30)	4.5(45)
Vacuum KPa(mm/Hg)		53.3(400)	86.7(650)	100(750)
Applicable Temperature °C		-15°C~+115°C(-30°C~+250°C under special conditions)		
Applicable Media		Air, compressed air, water, sea water, hot water, oil, acid, alkali, and so on		

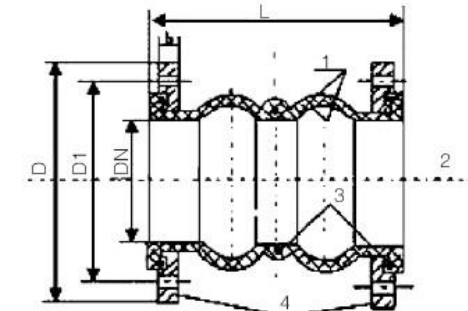
Main data

Nominal Diameter		Length	Axial displacement mm		Horizontal displacement (mm)	Angular deflection (a1+a2)
DN	Inch		Extension	Compression		
32	1.25	95	6	9	9	15
40	1.5	95	6	10	9	15
50	2	105	7	10	10	15
65	2.5	115	7	13	11	15
80	3	135	8	15	12	15
100	4	150	10	19	13	15
125	5	165	12	19	13	15
150	6	180	12	20	14	15
200	8	210	16	25	22	15
250	10	230	16	25	22	15
300	12	245	16	25	22	15
350	14	255	16	25	22	15
400	16	255	16	25	22	15
450	18	255	16	25	22	15
500	20	255	6	25	22	15
600	24	260	6	25	22	15
700	28	260	16	25	22	15
800	32	260	16	25	22	15
900	36	260	6	25	22	15
1000	40	260	18	26	24	15
1200	48	260	18	26	24	15
1400	56	350	20	28	26	15
1600	64	350	25	35	30	10

Double ball rubber joint

Joint

KXT-S Flexible Dual-Spherical Rubber Joint



Technical Parameters

Item	Model	KXT-A1	KXT-A2	KXT-A3
Working pressure MPa(kgf/cm ²)		1.0(10)	1.6(16)	2.5(25)
Explosion pressure MPa(kgf/cm ²)		2.0(20)	3.0(30)	4.5(45)
Vacuum KPa(mm/Hg)		53.3(400)	86.7(650)	100(750)
Applicable Temperature °C		-15°C~+115°C(-30°C~+250°C under special conditions)		
Applicable Media		Air, compressed air, water, sea water, hot water, oil, acid, alkali, and so on		

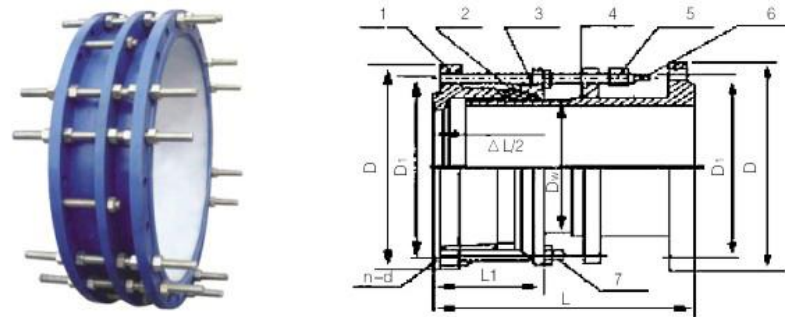
Main data

Nominal Diameter		Length L (mm)	Flange thickness (mm)	Bolts Qty n	Diameter of Bolt hole D (mm)	Diameter of bolt hole center circle D1 (mm)	Axial displacement (mm)		Horizontal displacement (mm)	Angular deflection (a1+a2)
DN	Inch						Extension	Compression		
40	1.5	150	18	4	18	110	10	20	20	30
50	2	150	20	4	18	125	10	20	20	30
65	2.5	150	20	4	18	145	10	20	20	30
80	3	150	20	8	18	160	10	20	20	30
100	4	200	22	8	18	180	15	30	25	30
125	5	200	22	8	23	210	15	30	25	30
150	6	200	24	8	23	240	15	30	25	30
200	8	220	24	8	23	295	20	40	30	30
250	10	220	26	12	23	350	20	40	30	30
300	12	320	26	12	23	400	20	40	30	30
350	14	320	26	16	23	460	20	40	30	30
400	16	320	26	16	25	515	20	40	30	30
450	18	320	28	20	25	565	25	45	30	30
500	20	320	28	20	25	620	25	45	30	30
600	24	320	30	20	30	725	25	45	30	30

Notes:

- For special order, products can be made according to customer's requirements, flange standard is based on GB/T9115.1-2000, the materials of spheres are Buna, EPDM, chloroprene rubber and so on.
- The product with DN > 200mm is available for water supplying overhead. The pipe must be equipped with fixed support or fixed bracket, if not, the product shall be installed with escapement.
- When using Rubber Joints, the matching flanges should be valve flanges or GB/T9115.1(RF) FLANGES.

VSSJA-2(B2F) Double Flange Limited Expansion Joint



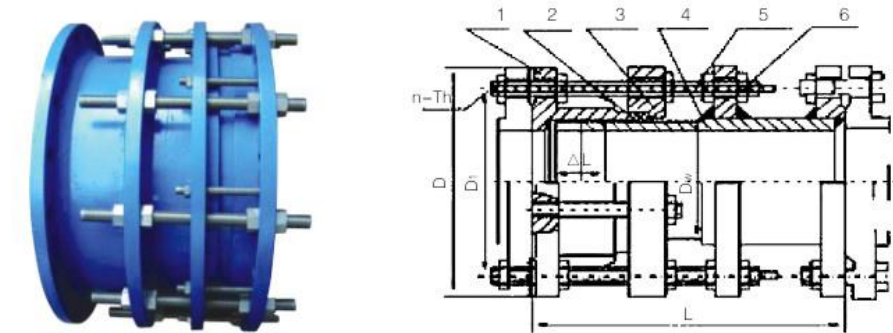
Material Specification

No.	Name	Quantity	Material
1	Body	1	QT400-15, Q235A, ZG230-450, 20
2	Gasket	1	NBR
3	Gland	1	QT400-15, Q235A, ZG230-450, 20
4	Limited short pipe	1	Q234A, 20, 16Mn
5	Nut	4n	Q235A, 20, 1Cr18Ni9Ti
6	Long bolt	n	Q235A, 35, 1Cr18Ni9Ti
7	Bolt	n	Q235A, 35, 1Cr18Ni9Ti

Main date

Nominal Diameter DN	管子外径 Dw	Overall dimensions		Compensation ΔL	Flange connecting dimension					
		L	L1		0.6MPa			1.0MPa		
65	76	340	105	50	160	130	4- $\Phi 14$	185	145	4- $\Phi 18$
80	89				190	150		200	160	
100	108				210	170	4- $\Phi 18$	220	180	8- $\Phi 18$
125	133	340	105	50	240	200	4- $\Phi 18$	250	210	8- $\Phi 18$
	140									
150	159				265	225	8- $\Phi 18$	285	240	8- $\Phi 22$
200	219				320	280		340	295	
250	273	370	130	65	375	335	12- $\Phi 18$	395	350	12- $\Phi 22$
300	325				440	395	12- $\Phi 22$	445	400	
350	377				490	445	16- $\Phi 22$	505	460	16- $\Phi 22$
400	426				540	495	16- $\Phi 22$	565	515	16- $\Phi 26$
450	480				595	550	20- $\Phi 22$	615	565	20- $\Phi 26$
500	530				645	600	20- $\Phi 26$	670	620	30- $\Phi 30$
600	630	600	220	130	755	705	24- $\Phi 26$	780	725	24- $\Phi 30$
700	720				860	810	24- $\Phi 30$	895	840	24- $\Phi 33$
800	820				975	920	28- $\Phi 30$	1015	950	28- $\Phi 33$
900	920				107	1020	28- $\Phi 30$	1115	1050	28- $\Phi 36$
1000	1020				117	1120	32- $\Phi 33$	1230	1160	32- $\Phi 40$
1200	1220				140	1340	36- $\Phi 36$	1455	1380	36- $\Phi 42$
1400	1420				163	1560		1675	1590	
1500	1520				173	1660		-	-	
1600	1620				183	1760	40- $\Phi 36$	1915	1820	40- $\Phi 48$
1800	1820				204	1970	44- $\Phi 40$	2115	2020	44- $\Phi 48$
2000	2020	710	220	140	226	2180	48- $\Phi 42$	2325	2230	48- $\Phi 48$
2200	2220				247	2390	52- $\Phi 42$	2550	2440	52- $\Phi 56$
2400	2420				268	2600	56- $\Phi 42$	2760	2650	56- $\Phi 56$
2600	2620				290	2810	60- $\Phi 48$	2960	2850	60- $\Phi 56$
2800	2820				311	3020	64- $\Phi 48$	3180	3070	64- $\Phi 56$
3000	3020				331	3220	68- $\Phi 48$	3405	3290	68- $\Phi 60$
3200	3220	710	220	140	352	3430	72- $\Phi 48$	-	-	-
3400	3420				373	3640	76- $\Phi 48$	-	-	-
3600	3620				397	3860	80- $\Phi 56$	-	-	-

VSSJAFC(CC2F) Detachable Double Flange Transmission Joint



Material Specification

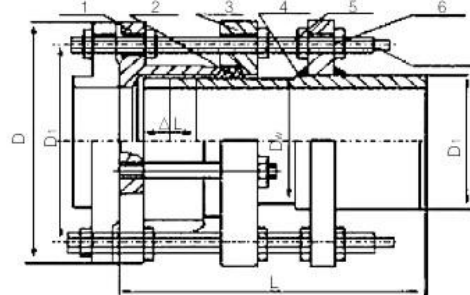
No.	Name	Quantity	Material
1	Body	1	QT400-15, Q235A, ZG230-450, 20
2	Gasket	1	NBR
3	Gland	1	QT400-15, Q235A, ZG230-450, 20
4	Limited short pipe	1	Q234A, 20, 16Mn
5	Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	Nut	5n	Q235A, 20, 1Cr18Ni9Ti

Main date

公称通径 DN Nominal Diameter	管子外径 Dw	外形尺寸 Length		法兰连接尺寸 Flange connecting dimension							
		L	ΔL	0.6MPa				1.0MPa			
65	76	400	40	160	130	4-M12	16	185	145	4-M16	20
80	89			190	150	4-M16	18	200	160	8-M16	22
100	114			210	170			220	180		24
125	140			240	200			250	210		26
150	168			265	225	8-M16	20	285	240	8-M20	
200	219			320	280		22	340	295		28
250	273	420	50	375	335	12-M16	24	395	350	12-M20	
300	325			440	395	12-M20	24	445	400	12-M20	28
350	377			490	445		26	505	460	16-M20	30
400	426			540	495	16-M20	28	565	515	16-M24	32
450	480			595	550			615	565		32
500	530			645	600	20-M20	30	670	620	20-M24	34
600	630	440	60	755	705	20-M24		780	725	20-M27	36
700	720			860	810	24-M24	32	895	840	24-M27	40
800	820			975	920	24-M27	34	1015	950	24-M30	44
900	920			1075	1020	24-M27	36	1115	1050	28-M30	46
1000	1020			1175	1120	28-M27		1230	1160	28-M33	50
1200	1220			1405	1340	32-M30	40	1455	1380	32-M36	56
1400	1420	650	60	1630	1560	36-M33	44	1675	1590	36-M39	62
1600	1620			1830	1760	40-M33	48	1915	1820	40-M40	68
1800	1820			2045	1970	44-M36	50	2115	2020	44-M45	70
2000	2020			2265	2180	48-M39	54	2325	2230	48-M45	74
2200	2220			2475	2390	52-M39	60	2550	2440	52-M52	80
2400	2420			2685	2600	56-M39	62	2760	2650	56-M52	82
2600	2620	840	80	2905	2810	60-M45	64	2960	2850	60-M52	88
2800	2820			3115	3020	64-M45	68	3480	3070	64-M52	94
3000	3020			3315	3220	68-M45	70	3405	3290	68-M56	100
3200	3220			3525	3430	72-M45	76				

Single flange transmission joint

VSSJAFG(CF) Single Flange Transmission Joint



Material Specification

No.	Name	Quantity	Material
1	Body	1	QT400-15, Q235A, ZG230-450, 20
2	Gasket	1	NBR
3	Gland	1	QT400-15, Q235A, ZG230-450, 20
4	Limited short pipe	1	Q234A, 20, 16Mn
5	Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	Nut	5n	Q235A, 20, 1Cr18Ni9Ti

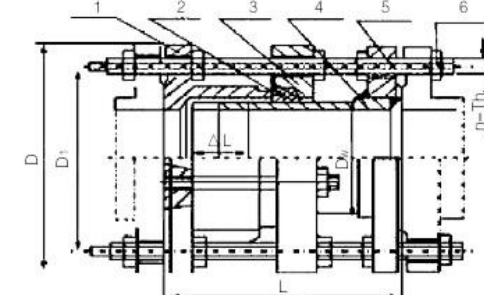
Main date

公称通径 DN Nominal Diameter	管子外径 External diameter of pipe		外形尺寸 Length		法兰连接尺寸 Flange connecting dimension							
					0.6MPa				1.0MPa			
	Dw	Do	L	△L	D	D ₁	n-Th	b	D	D ₁	n-Th	b
65	76	76	400	40	160	130	4-M12	16	185	145	4-M16	20
80	89	89			190	150	4-M16	18	200	160	8-M16	22
100	114	114			210	170			220	180		24
125	140	140			240	200	8-M16	20	250	210	8-M20	26
150	168	168			265	225			285	240		
200	219	219	440	50	320	280	12-M16	22	340	295	12-M20	28
250	273	273			375	335		24	395	350		
300	325	325			440	395	12-M20	24	445	400	16-M20	28
350	377	377			490	445		26	505	460		30
400	426	426			540	495	12-M20	28	565	515	16-M24	32
450	480	480			595	550		28	615	565		32
500	530	530	600	60	645	600	20-M20	30	670	620	20-M24	34
600	630	630			755	705		30	780	725		36
700	720	720			860	810	24-M24	32	895	840	24-M27	40
800	820	820			975	920		34	1015	950		44
900	920	920			1075	1020	24-M27	36	1115	1050	28-M30	6
1000	1020	1020	620	60	1175	1120	28-M27	36	1230	1160	28-M33	50
1200	1220	1220			1405	1340	32-M30	40	1455	1380	32-M36	56
1400	1420	1420			1630	1560		44	1675	1590		62
1600	1620	1620			1830	1760	40-M33	48	1915	1820	40-M45	68
1800	1820	1820			2045	1970		50	2115	2020		70
2000	2020	2020	630	60	2265	2180	48-M39	54	2325	2230	48-M45	74
2200	2220	2220			2475	2390		60	2550	2440		80
2400	2420	2420			2685	2600	58-M39	62	2760	2650	56-M52	82
2600	2620	2620			2905	2810		64	2960	2850		88
2800	2820	2820	750	80	3115	3020	64-M45	68	3180	3070	64-M52	94
3000	3020	3020			3315	3220	68-M45	70	3405	3290	68-M56	100
3200	3220	3220			3525	3430	72-M45	76				

Double flange transmission joint

Joint

VSSJAF(C2F) Double Flange Transmission Joint



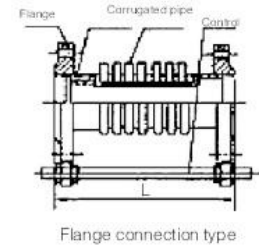
Material Specification

No.	Name	Quantity	Material
1	Body	1	QT400-15, Q235A, ZG230-450, 20
2	Gasket	1	NBR
3	Gland	1	QT400-15, Q235A, ZG230-450, 20
4	Limited short pipe	1	Q234A, 20, 16Mn
5	Bolt	n	Q235A, 35, 1Cr18Ni9Ti
6	Nut	5n	Q235A, 20, 1Cr18Ni9Ti

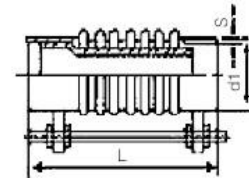
Main date

公称通径 DN Nominal Diameter	管子外径 Dw	外形尺寸 Length		法兰连接尺寸 Flange connecting dimension							
				0.6MPa				1.0MPa			
		L	△L	D	D ₁	n-Th.	b	D	D ₁	n-Th.	b
65	76	200	40	160	130	4-M12	16	185	145	4-M16	20
80	89			190	150	4-M16	18	200	160	8-M16	22
100	114			210	170			220	180		24
125	140			240	200	8-M16	20	250	210	8-M20	26
150	168			265	225			285	240		
200	219	220	50	320	280	12-M16	22	340	295	12-M20	28
250	273			375	335		24	395	350		
300	325			440	395	12-M20	24	445	400	16-M20	30
350	377			490	445		26	505	460		32
400	426			540	495	12-M20	28	565	515	16-M24	32
450	480			595	550		28	615	565		32
500	530	240	60	645	600	20-M20	30	670	620	20-M24	34
600	630			755	705		30	780	725		36
700	720			860	810	24-M24	32	895	840	24-M27	40
800	820			975	920		34	1015	950		44
900	920			1075	1020	24-M27	36	1115	1050	28-M30	46
1000	1020	350	60	1175	1120	28-M27	36	1230	1160	28-M33	50
1200	1220			1405	1340		40	1455	1380		56
1400	1420			1630	1560	32-M30	44	1675	1590	32-M36	62
1600	1620			1830	1760		48	1915	1820		68
1800	1820			2045	1970	40-M33	50	2115	2020	40-M45	70
2000	2020	370	80	2265	2180		54	2325	2230		74
2200	2220			2475	2390	48-M39	60	2550	2440	48-M45	80
2400	2420			2685	2600		62	2760	2650		82
2600	2620			2905	2810	58-M39	64	2960	2850	56-M52	88
2800	2820			3115	3020		68	3180	3070		94
3000	3020	400	80	3315	3220	64-M45	70	3405	3290	64-M52	100
3200	3220			3525	3433		76				

JZBW Damping Corrugated Hose



Flange connection type



Takeover connection type

Design temperature: -20°C~+400°C

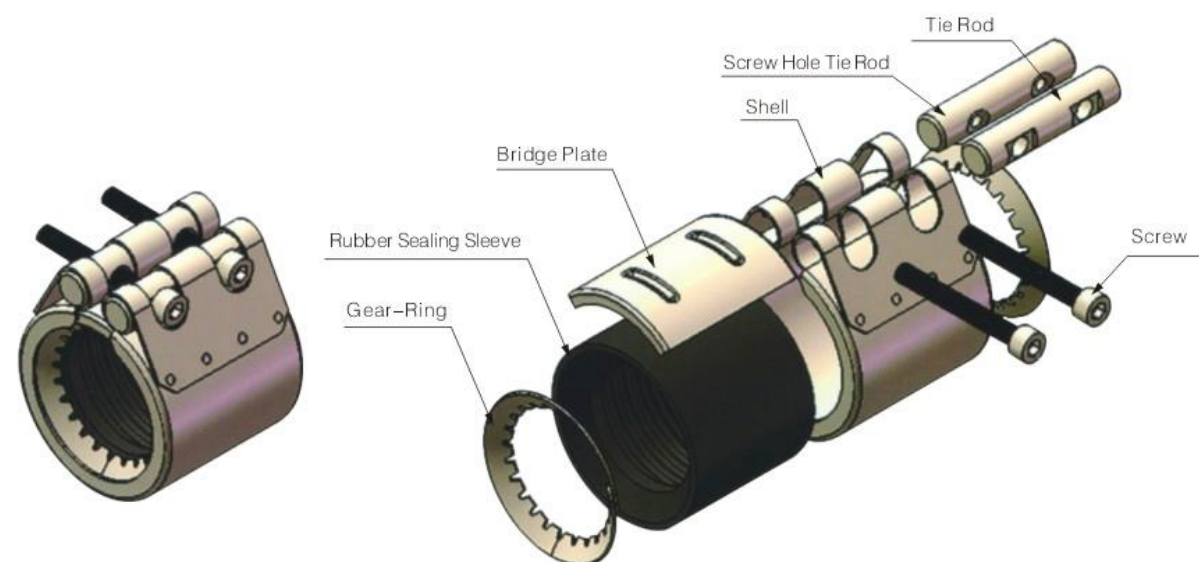
Code: JZBW

Model sign: JZBW Corrugated pipe-connection type pressure-diameter-compensator

DN	Number of wave	Pressure grade (MPa)					Available area (cm²)	Max size (mm)	Length (mm)	
		0.25	0.6	1	1.6	2.5			Flange JDZ/F	Pipe JDZ/F
		Axial compensation mm / Rigidity N/mm								
32	8	25/21	22/26	20/26	18/63	15/98	16	110	160/250	264/210
	16	50/11	46/14	41/14	36/32	31/47		220	244/291	316/320
40	8	25/28	22/44	20/44	18/89	15/10	23	130	164/259	269/260
	16	50/14	46/22	41/22	36/45	31/55		240	230/304	319/400
50	8	25/30	22/51	20/70	18/70	15/13	37	150	172/276	282/230
	16	50/16	46/26	41/35	36/35	31/70		260	240/342	347/450
65	8	33/28	30/35	26/44	22/55	19/68	55	170	215/294	300/260
	12	42/16	38/22	38/32	34/40	29/50		280	260/334	340/470
80	8	40/20	36/26	34/33	28/41	24/54	81	200	240/338	344/260
	10	53/14	49/17	49/21	43/26	38/33		230	270/368	374/300
100	6	45/47	45/60	40/75	35/93	29/11	121	220	235/317	323/280
	10	76/26	74/32	64/40	57/50	49/63		260	305/381	387/320
125	5	48/38	42/47	38/59	34/74	29/92	180	250	282/314	316/320
	9	85/23	77/29	66/36	58/45	50/56		290	382/386	388/360
150	5	49/42	44/50	40/62	34/78	29/97	257	250	282/389	338/320
	8	79/34	71/43	64/51	54/59	46/65		290	356/399	402/360
200	4	52/49	46/55	42/68	38/78	34/11	479	300	280/384	348/370
	6	73/31	65/44	59/52	53/58	48/78		340	340/402	402/420
250	4	72/30	65/34	59/42	52/45	47/55	796	330	315/379	415/420
	6	108/16	97/21	87/35	79/39	71/47		360	393/459	493/460
300	4	72/51	65/55	59/59	52/65	47/71	1105	340	366/427	466/480
	6	108/32	97/35	87/37	79/41	71/45		400	464/525	564/520
350	4	72/58	65/62	59/67	52/74	47/81	1307	340	397/452	497/480
	6	108/38	97/41	87/44	79/48	71/47		420	509/564	609/540
400	4	72/54	65/58	59/62	52/68	47/75	1611	340	412/478	512/480
	6	108/36	97/39	87/43	79/47	71/52		420	522/588	622/560
450	4	108/32	97/35	87/37	79/41	71/45	1972	340	503/498	503/500
	6	162/20	145/22	131/23	118/25	106/2		450	503/658	603/590
500	4	108/59	97/64	87/68	79/75	71/82	2445	240	431/523	531/500
	6	162/34	145/37	131/39	118/43	106/4		450	531/655	631/600
600	4	108/74	97/80	87/85	79/94	71/10	3534	380	478/548	578/540
	6	162/42	145/45	131/49	118/53	106/6		500	658/679	758/640
700	4	108/67	97/72	87/77	79/85	71/95	4717	1110	490	590
	6	162/42	145/45	131/49	118/53	106/6		690	690	790
800	4	120/88	108/95	102/102	94/112	82/12	5822	1265	502	602
	6	183/67	164/72	157/77	144/85	125/9		610	610	710
900	4	120/84	108/90	102/97	94/107	82/11	7620	1186		698
	6	183/60	164/65	156/69	144/76	125/8				850
1000	4	120/91	108/98	102/105	94/116		9043	1286		692
	6	183/59	164/95	156/76	144/81					855

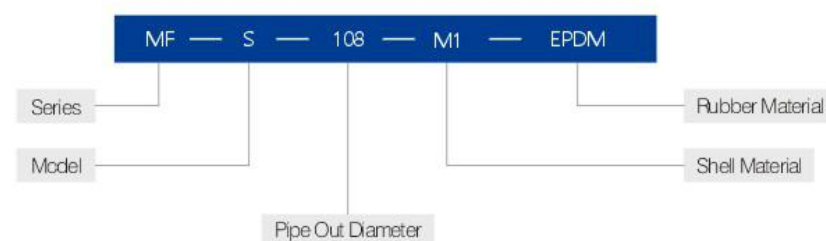
Multi-Function Pipe Repair & Coupling





Component/Material	M1	M2	M3	M4
Shell	AISI 304	AISI 304	AISI 316L	AISI 32205
Bridge Plate	AISI 304	AISI 304	AISI 316L	AISI 32205
Screw Hole Tie Rod / Tie Rod	AISI 1024 Hot Dip Galvanized Steel	AISI 304	AISI 316L	AISI 32205
Screw	AISI 1024 Hot Dip Galvanized Steel	AISI 304	AISI 316L	AISI 32205
Gear – Ring	AISI 304	AISI 304	AISI 301	–
EPDM(Ethylene Propylene Diene Monomer) Rubber Sealing Sleeve	Temperature: –20°C ~ +120°C Medium: Available for various kinds of water, drainage, air, solid and chemicals			
NBR (Nitrile Rubber) Rubber Sealing Sleeve	Temperature: –20°C ~ +80°C Medium: Available for gas, oil, fuel and other hydrocarbon			
MVQ(Silicon Rubber) Rubber Sealing Sleeve	Temperature Range: –75°C ~ +200°C			
VITON (Fluororubber) Rubber Sealing Sleeve	Temperature Range: –95°C ~ +300°C			

- Refer to: DIN 86128–1, DIN 86128 – 2 and CB/T4176 – 2013
- Enterprise Standard: Q/DZH 0001 – 2015
- Design and type selection;



For other compatible sizes, Please contact us WESDOM directly for customization.



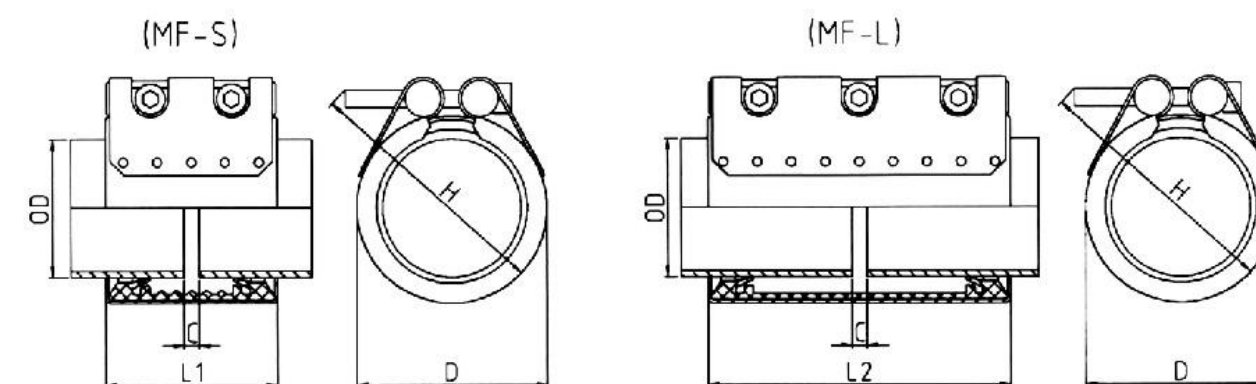
Short Type Pipe Coupling MF-S



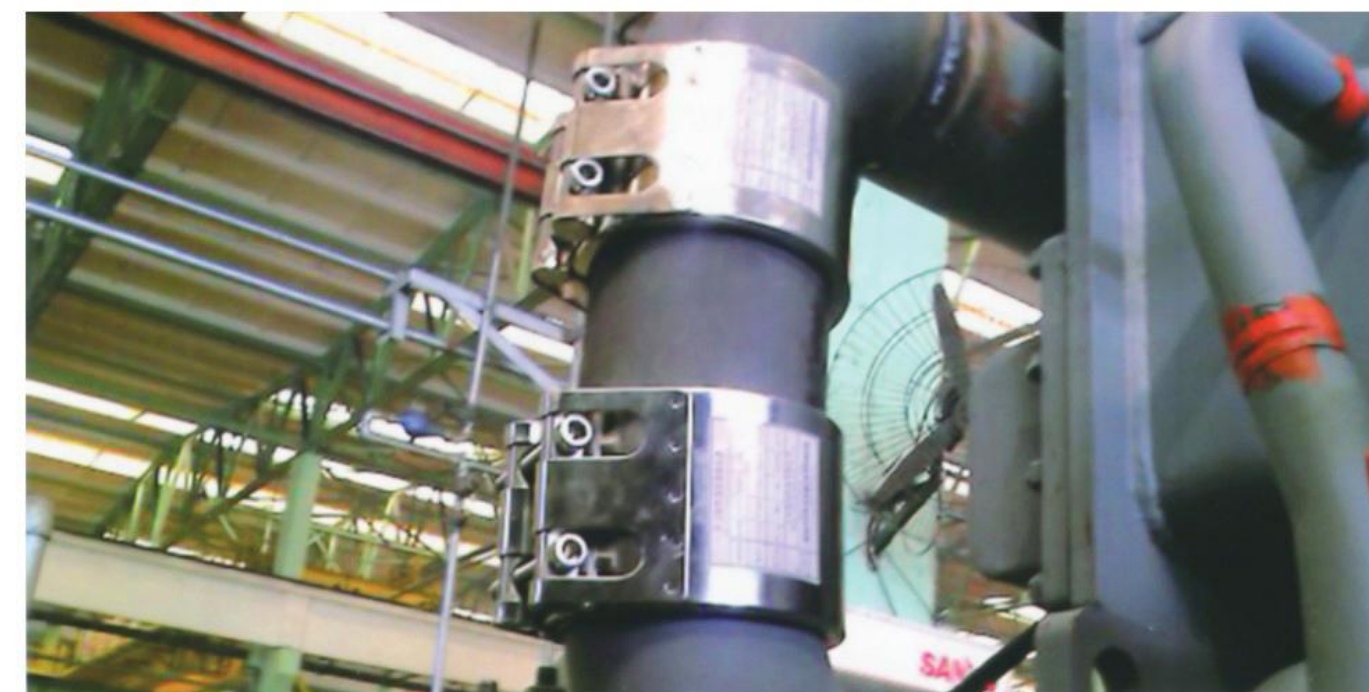
Long Type Pipe Coupling MF-L

Product Features

Applied to connection of various kinds of metal pipes and composite materials of pipelines. Allowable angular deflection but does not provide restraint. It can provide safe, fast and steady connection and very good effect of anti-vibration and noise reduction, as well as function of distance compensation in pipe ends. Easy to be installed and disassembled and reusable.



Engineering Projects



Technical Parameters

Pipe O.D.	O.D Range	Ship	Industry	Dimensions					Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	PN (bar)	WP (bar)	C (mm)	L1 (mm)	L2 (mm)	D (mm)	H (mm)	M	Nm
21.7	21-23	16	25	3	57	-	35	50	6	15
25	24-26	16	25	3	57	-	50	70	6	15
27.2	26-28	16	25	3	57	-	50	70	6	15
32	31-33	16	25	3	57	-	55	75	6	15
34	33-35	16	25	3	57	-	55	75	6	15
40	39-41	16	25	5	57	-	55	75	6	15
42	42-44	16	25	5	57	-	65	85	6	15
44.5	43.5-45.5	16	25	5	57	-	65	85	6	15
48.6	47-49	16	25	5	57	100	70	90	6	15
54	53-55	16	25	5	80	139	70	90	8	30
57	56-58	16	25	5	80	139	80	100	8	30
60.3	59-61	16	25	5	80	139	85	105	8	30
63	62-64	16	25	5	80	139	85	105	8	30
76.1	75-77	14	25	5	80	139	100	120	8	30
79.9	79-81	14	16	5	80	139	100	120	8	30
88.9	87-91	14	16	5	107	203	110	130	10	50
108	106-110	14	16	5	107	203	130	150	10	50
110	108-112	14	16	5	107	203	130	150	10	50
114.3	112-116	14	16	5	107	203	135	155	10	50
118	116-120	14	16	5	116	203	140	160	12	80
125	123-127	14	16	5	116	203	150	185	12	80
133	131-135	14	16	5	116	203	160	190	12	80
140	138-142	14	16	5	116	203	165	195	12	80
159	157-161	12	16	5	116	203	185	215	12	80
165.2	163-167	12	16	5	116	203	190	210	12	80
168	166-170	12	16	5	116	203	195	225	12	80
170	168-172	12	16	5	116	203	195	225	12	80
200	198-202	8	16	10	155	255	240	270	14	100
219	217-221	8	16	10	155	255	250	280	14	100
250	248-252	8	16	10	155	255	285	315	14	100
273	271-275	8	12	10	155	255	305	335	14	100
315	313-317	7	12	10	155	255	340	375	14	100
325	323-327	7	12	10	155	255	360	390	14	100
355.6	354-358	7	12	10	155	255	385	420	14	100
377	375-379	7	12	10	155	255	410	440	14	100

Some sizes and lengths not listed are available upon request.



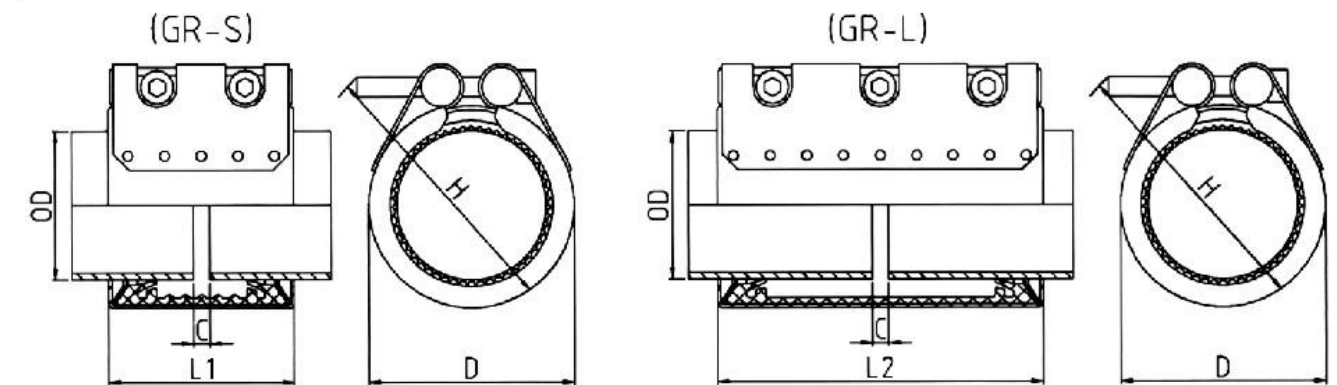
Gear-Ring Short Type
Pipe Coupling GR-S



Gear-Ring Long Type
Pipe Coupling GR-L

Product Features

Applied to connection of various kinds of metal pipes and composite materials of pipelines. Allowable angular deflection, provide restraint and strong sealing. It can provide safe, fast and steady connection and very good effect of anti-vibration and noise reduction, as well as function of distance compensation in pipe ends. Easy to be installed and disassembled and reusable.



Engineering Projects



Gear-Ring Type Multi-Function Pipe Coupling GR

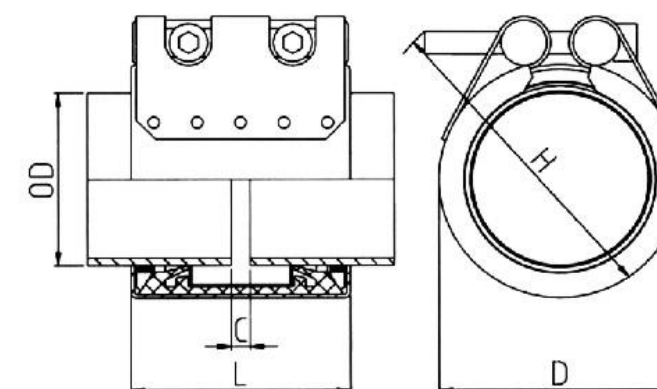
Technical Parameters

Pipe O.D.	O.D Range	Ship	Industry	Dimensions					Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	PN (bar)	WP (bar)	C (mm)	L1 (mm)	L2 (mm)	D (mm)	H (mm)	M	Nm
21.7	21-23	16	35	3	57	-	35	50	6	15
25	24-26	16	35	3	57	-	50	70	6	15
27.2	26-28	16	35	3	57	-	50	70	6	15
32	31-33	16	35	3	57	-	55	75	6	15
34	33-35	16	35	3	57	-	55	75	6	15
40	39-41	16	16	5	57	-	55	75	6	15
42	42-44	16	16	5	57	-	65	85	6	15
44.5	43.5-45.5	16	16	5	57	-	65	85	6	15
48.6	47-49	16	16	5	57	100	70	90	6	15
54	53-55	16	16	5	80	139	70	90	10	50
57	56-58	16	16	5	80	139	80	100	10	50
60.3	59-61	16	16	5	80	139	85	105	10	50
63	62-64	16	16	5	80	139	85	105	10	50
76.1	75-77	14	16	5	80	139	100	120	10	50
79.9	79-81	14	16	5	80	139	100	120	10	50
88.9	87-91	14	16	5	107	203	110	130	10	50
108	106-110	14	16	5	107	203	130	150	10	50
110	108-112	14	16	5	107	203	130	150	10	50
114.3	112-116	14	16	5	107	203	135	155	10	50
118	116-120	14	16	5	116	203	140	160	12	80
125	123-127	14	16	5	116	203	150	185	12	80
133	131-135	14	16	5	116	203	160	190	12	80
140	138-142	14	16	5	116	203	165	195	12	80
159	157-161	12	16	5	116	203	185	215	12	80
165.2	163-167	12	16	5	116	203	190	210	12	80
168	166-170	12	16	5	116	203	195	225	12	80
170	168-172	12	12	5	116	203	195	225	12	80
200	198-202	8	12	10	155	255	240	270	16	100
219	217-221	8	12	10	155	255	250	280	16	100
250	248-252	8	12	10	155	255	285	315	16	100
273	271-275	8	10	10	155	255	305	335	16	100
315	313-317	7	10	10	155	255	340	375	16	100
325	323-327	7	10	10	155	255	360	390	16	100
355.6	354-358	7	10	10	155	255	385	420	16	100
377	375-379	7	10	10	155	255	410	440	16	100

Some sizes and lengths not listed are available upon request.

Non-Metal Pipe Coupling GF

Multi-Function Pipe Repair & Coupling



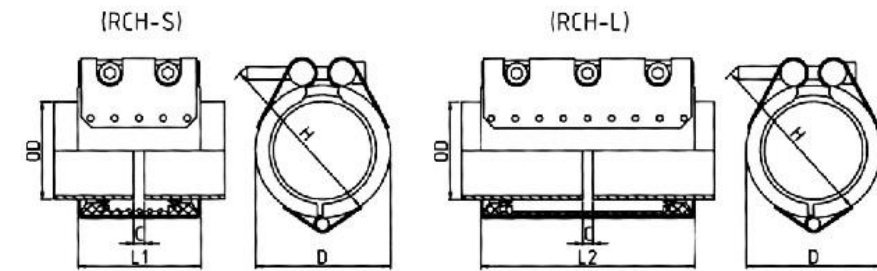
Product Features

Applied to all kinds of rigid plastic pipes. Allowable angular deflection and restraint. Applied to connections of gas, water supply and industrial production pipelines. Workable both for thin or thick wall pipes.

Technical Parameters

Pipe O.D.	O.D Range	Industry	Dimensions				Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	WP (bar)	C (mm)	L (mm)	D (mm)	H (mm)	M	Nm
63	62-64	20	10	75	85	105	8	25
75	74-76	20	25	105	100	120	8	30
90	89-91	20	25	105	110	130	8	40
110	108-111	20	25	120	130	150	10	40
125	123-126	20	25	120	145	165	10	50
140	138-142	20	30	120	160	180	10	50
160	158-162	20	30	120	180	200	10	60
180	178-182	16	35	152	210	240	12	60
200	198-203	16	35	152	230	260	12	60
225	222-227	16	35	152	255	285	12	60
250	247-253	16	35	152	280	310	12	60
280	277-283	16	35	152	310	345	12	60
315	311-317	16	35	152	345	375	12	60
355	351-357	16	35	152	385	415	12	60
400	396-402	12	35	152	430	460	12	60
450	447-453	12	35	152	480	510	12	60
500	497-503	12	35	152	530	560	12	70
560	557-563	10	35	152	590	620	12	70
630	627-633	10	35	152	660	690	16	70
800	796-804	10	35	152	830	860	16	80

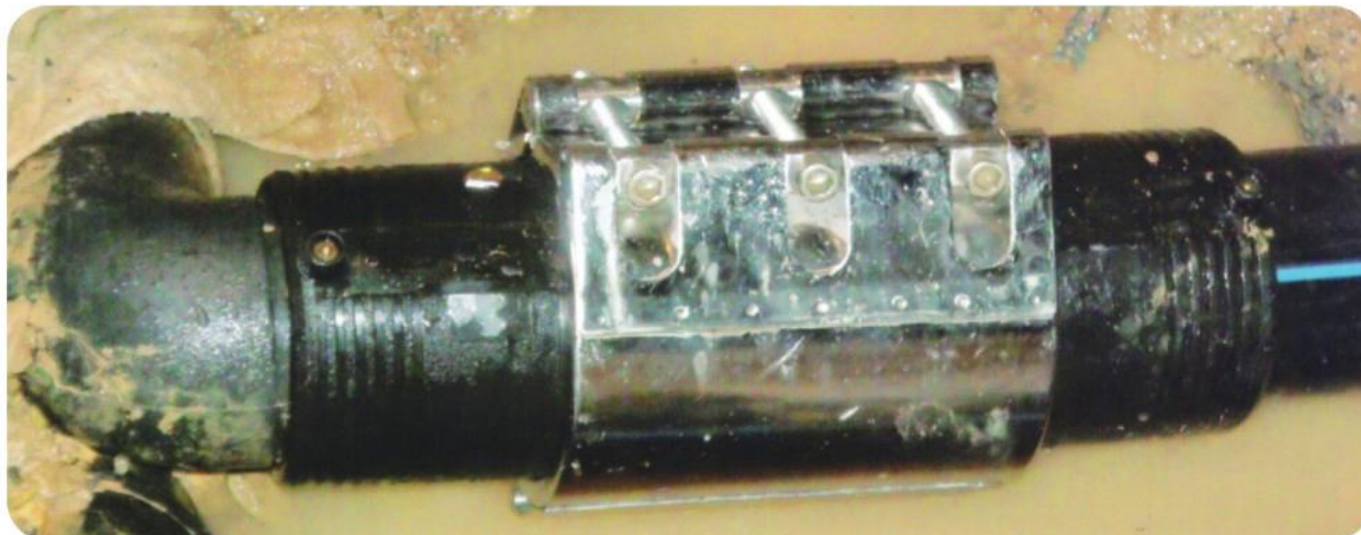
Some sizes and lengths not listed are available upon request.



Product Features

RCH Folding series is widely used on quick repairing of pipe leaks which can seal under pressure and no need of changing pipes. Help a lot on repairing pin holes and breaks caused by aging or rusting. Have advantages of safe, convenient and efficiency.

Engineering Projects



Technical Parameters

Pipe O.D.	O.D Range	Industry	Dimensions					Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	WP (bar)	C (mm)	L1 (mm)	L2 (mm)	D (mm)	H (mm)	M	Nm
18	17-19	25	5	57	-	35	55	6	10
21.7	21-23	25	5	57	-	45	65	6	10
25	24-26	25	5	57	-	50	70	6	10
27.2	26-28	25	5	57	-	50	70	6	10
32	31-33	25	5	57	-	55	75	6	10
34	33-35	25	5	57	-	55	75	6	10
40	39-41	25	5	57	-	55	75	6	10
42	42-44	25	5	57	100	65	85	6	15
44.5	43.5-45.5	25	5	57	100	65	85	6	15
48.6	47-49	25	5	57	100	70	90	6	15
54	53-55	25	5	80	139	70	90	8	30
57	56-58	25	5	80	139	80	100	8	30
60.3	59-61	25	5	80	139	85	105	8	30
63	62-64	25	5	80	139	85	105	8	30
76.1	75-77	25	5	80	139	100	120	8	30
79.9	79-81	16	5	80	139	100	120	8	30
88.9	87-91	16	5	107	203	110	130	10	50
108	106-110	16	5	107	203	130	150	10	50
110	108-112	16	5	107	203	130	150	10	50
114.3	112-116	16	5	107	203	135	155	10	50
118	116-120	16	5	116	203	140	160	12	80
125	123-127	16	5	116	203	150	185	12	80
133	131-135	16	5	116	203	160	190	12	80
140	138-142	16	5	116	203	165	195	12	80
159	157-161	16	5	116	203	185	215	12	80
165.2	163-167	16	5	116	203	190	210	12	80
168	166-170	16	5	116	203	195	225	12	80
170	168-172	16	5	116	203	195	225	12	80
200	198-202	16	10	155	255	240	270	14	100
219	217-221	16	10	155	255	250	280	14	100
250	248-252	16	10	155	255	285	315	14	100
273	271-275	12	10	155	255	305	335	14	100
315	313-317	12	10	155	255	340	375	14	100
325	323-327	12	10	155	255	355	385	14	100
355.6	354-358	12	10	155	255	385	420	14	100
377	375-379	12	10	155	255	410	440	14	100

Some sizes and lengths not listed are available upon request.

Double-Section Pipe Repair Coupling RCD



Product Features

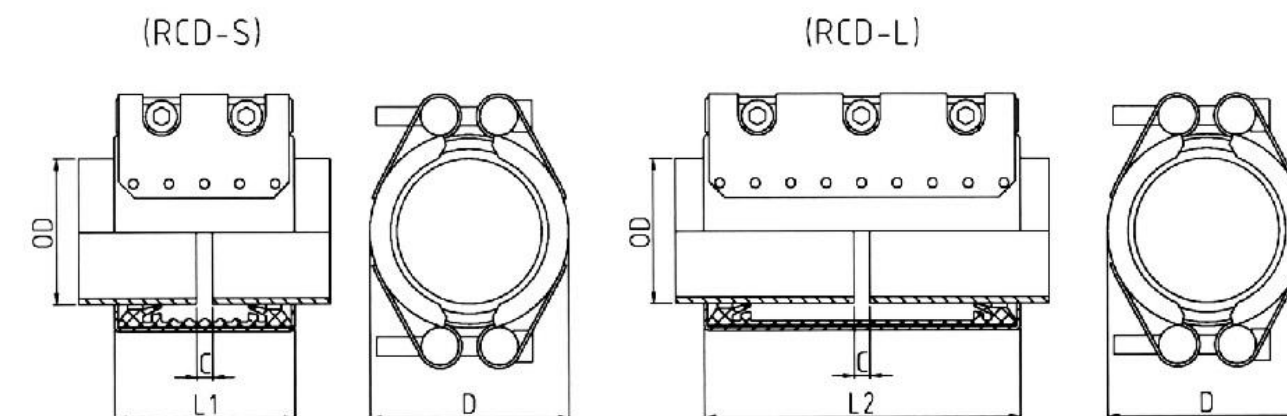
Double-Section Pipe Repair Coupling RCD is mainly used on the connection of new pipelines, and also for the repairing of pipe leaks. Repairing the pin holds and breaks caused by aging or rusting. It has advantages of working under pressure and no need of changing pipes. Safe, convenient, efficiency and easy to work with. Performs well in mal-condition.

Engineering Projects



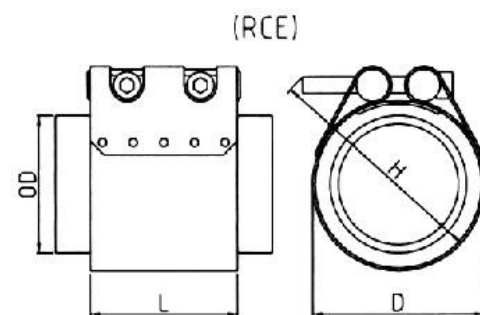
Double-Section Pipe Repair Coupling RCD

Multi-Function Pipe Repair & Coupling



Technical Parameters

Pipe O.D.	O.D Range	Industry	Dimensions				Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	WP (bar)	C (mm)	L1 (mm)	L2 (mm)	D (mm)	M	Nm
42	42-44	25	10	57	100	65	6	15
44.5	44-45.1	25	10	57	100	65	6	15
48.6	47-49	25	10	57	100	70	6	15
54	53.6-54.6	25	10	57	100	70	8	30
57	56.3-57.7	25	10	57	100	80	8	30
60.3	59-62	25	10	80	139	85	8	30
63	62.2-63.9	25	10	80	139	85	8	30
76.1	75-78	25	10	80	139	100	8	30
79.9	78.8-80.8	16	10	80	139	100	8	30
88.9	88-92	16	10	107	203	110	10	30
108	106-110	16	10	107	203	130	10	50
110	108.9-111.2	16	10	107	203	130	10	50
114.3	112-116	16	10	107	203	135	10	50
118	116.6-119.2	16	10	116	203	140	12	80
125	123.6-126.5	16	10	116	203	150	12	80
133	131.5-134.4	16	10	116	203	160	12	80
140	137-143	16	10	116	203	165	12	80
159	157-161	16	10	116	203	185	12	80
165.2	163.3-166.7	16	10	116	203	190	12	80
168	166-170	16	10	116	203	195	12	80
170	168.2-171.9	16	10	116	203	195	12	80
200	198.2-201.5	16	15	155	255	240	14	100



Product Features

RCE series is the most widely used one, highly optimized for general use. Has few requirements on the ellipticity of pipe arc. Safe, convenient and efficient in installation.



Technical Parameters

Pipe O.D.	O.D Range	Industry	Dimensions			Screws	Screw Torque
OD (mm)	ODmin-ODmax (mm)	WP (bar)	Lmin (mm)	D (mm)	H (mm)	M	Nm
18	17-19	16	55	35	55	6	10
21.7	21-23	16	55	45	65	6	10
25	24.5-25.5	16	55	50	70	6	10
27.2	26-28	16	55	50	70	6	10
32	31.5-32.5	16	55	55	75	6	10
34	33-35	16	55	55	75	6	10
40	39.5-41.5	16	55	55	75	6	10
42	42-44	16	55	65	85	6	15
44.5	44-45.1	16	55	65	85	6	15
48.6	47-49	16	55	70	90	6	15
54	53.6-54.6	16	55	70	90	8	30
57	56.3-57.7	16	55	80	100	8	30
60.3	59-62	16	55	85	105	8	30
63	62.2-63.9	16	55	85	105	8	30
76.1	75-78	16	55	100	120	8	30
79.9	78.8-80.8	16	55	100	120	8	30
88.9	88-92	16	55	110	130	10	50
108	106-110	16	55	130	150	10	50
110	108.9-111.2	16	55	130	150	10	50
114.3	112-116	16	55	135	155	10	50
118	116.6-119.2	16	55	140	160	10	50
125	123.6-126.5	16	55	150	185	10	50
133	131.5-134.4	16	55	160	190	10	80
140	137-143	16	55	165	195	12	80
159	157-161	16	55	185	215	12	80
165.2	163.3-166.7	16	55	190	210	12	80
168	166-170	16	55	195	225	12	80
170	168.2-171.9	16	55	195	225	12	100
200	198.2-201.5	16	55	240	270	14	100
219	217-221	16	55	250	280	14	100
250	250-254	16	55	285	315	14	100
273	271-275	16	55	305	335	14	100
315	313-317	10	55	340	375	14	100
325	323-327	10	55	355	385	14	100
355.6	354-358	10	55	385	420	14	100
377	375-379	10	55	155	440	14	100

Some sizes and lengths not listed are available upon request.

Groove Pipe Fitting



Groove pipe fitting

Groove Pipe Fitting



Rigid Coupling



Flexible Coupling



Mechanical Tee Grooved outlet



Mechanical Tee Threaded outlet



Grooved flange



90° Elbow



45° Elbow



22.5° Elbow



11.25° Elbow



Tee



Grooved Reducing Tee



Threaded Reducing Tee



Cross



Grooved Reducing Cross



Threaded Reducing Cross



Cap



Grooved Concentric Reducer



Threaded Concentric Reducer

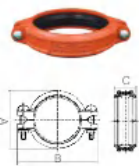


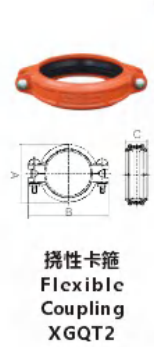
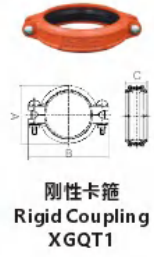
Grooved Eccentric Reducer



Adaptor Flange

Coupling

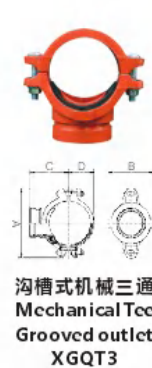
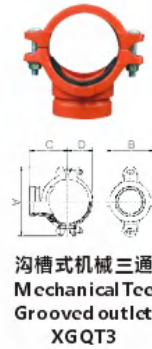
	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in			Bolt Size	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in			Bolt Size
				A mm/in	B mm/in	C mm/in	No.-Size mm				A mm/in	B mm/in	C mm/in	No.-Size mm
	规格	管子基本 尺寸	工作压力	尺寸			螺栓	规格	管子基本 尺寸	工作压力	尺寸			螺栓
 刚性卡箍 Rigid Coupling XGQT1	25 1	33.7 1.327	300psi 2.07MPa	56 2.20	98 3.85	44 1.74	3/8"45-2	125 5	133 5.25	300psi 2.07MPa	162 6.37	213 8.38	50 1.96	1/2"75-2
	32 1 1/4	42.4 1.669		65 2.55	108 4.25	44 1.74	3/8"45-2	125 5	139.7 5.5		170 6.73	220 8.66	50 1.96	1/2"75-2
	40 1 1/2	48.3 1.9		72 2.84	114 4.48	44 1.74	3/8"45-2	125 5	141.3 5.563		171 6.73	222 8.74	50 1.96	1/2"75-2
	50 2	60.3 2.375		84 3.30	126 4.96	46 1.81	3/8"55-2	150 6	159 6.25		190 7.48	241 9.48	50 1.96	1/2"75-2
	65 2 1/2	73 2.875		97 3.81	140 5.52	46 1.81	3/8"55-2	150 6	165.1 6.5		196 7.71	248 9.76	50 1.96	1/2"75-2
	65 2 1/2	76.1 3		100 3.93	142 5.59	46 1.81	3/8"55-2	150 6	168.3 6.625		200 7.87	252 9.92	50 1.96	1/2"75-2
	80 3	88.9 3.5		114 4.48	154 6.06	46 1.81	3/8"55-2	200 8	219.1 8.625		258 10.15	322 12.67	60 2.36	5/8"95-2
	100 4	108 4.25		135 5.31	186 7.32	50 1.96	1/2"65-2	250 10	273 10.75		318 12.51	400 15.74	62 2.44	3/4"110-2
	100 4	114.3 4.5		138 5.43	192 7.55	50 1.96	1/2"65-2	300 12	323.9 12.750		372 14.64	454 17.87	64 2.51	3/4"120-2



注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved mechanical tee

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size 螺栓规格	Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size 螺栓规格
				A	B	C	D						A	B	C	D	
规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315	300psi 2.07MPa	38 1.50	118 4.64	71 2.80	69 2.71	40 1.57	3/8"55-2	80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375	300psi 2.07MPa	61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		46 1.81	118 4.64	75 2.95	69 2.71	40 1.57	3/8"55-2	80 × 65 3 × 2 1/2	88.9 × 73.0 3.500 × 2.875		61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		46 1.81	118 4.64	75 2.95	69 2.71	40 1.57	3/8"55-2	80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		61 2.40	150 5.90	100 3.93	85 3.33	56 2.20	3/8"55-2
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		38 1.50	133 5.23	72 2.83	77 3.03	47 1.85	3/8"55-2	100 × 50 4 × 2	108.0 × 60.3 4.250 × 2.375		61 2.40	172 6.77	106.5 4.19	92 3.78	64.5 2.54	1/2"65-2
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		46 1.81	133 5.23	81 3.18	77 3.03	47 1.85	3/8"55-2	100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		81 3.18	172 6.2277	106.5 4.19	92 3.78	64.5 2.54	1/2"65-2
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		53 2.08	133 5.23	86 3.38	77 3.03	47 1.85	3/8"55-2	100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		38 1.50	182 7.16	73 2.87	99 3.90	70 2.76	1/2"65-2
65 × 25 2 1/2 × 1	76.1 × 33.7 3.000 × 1.315		38 1.50	136 5.35	72 2.83	78 3.07	49 1.93	3/8"55-2	100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		46 1.81	182 7.16	82 3.22	99 3.90	70 2.76	1/2"65-2
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		46 1.81	136 5.35	81 3.18	78 3.07	49 1.93	3/8"55-2	100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		53 2.08	182 7.16	87 3.42	99 3.90	70 2.76	1/2"65-2
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		53 2.08	136 5.35	86 3.38	78 3.07	49 1.93	3/8"55-2	100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		61 2.40	182 7.16	100 3.93	99 3.90	70 2.76	1/2"65-2
80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315		38 1.50	150 5.98	73 2.87	85 3.33	56 2.20	3/8"55-2	100 × 65 4 × 2 1/2	114.3 × 73.0 4.500 × 2.875		81 3.18	182 7.16	118 4.64	99 3.90	70 2.76	1/2"65-2
80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		46 1.81	150 5.98	82 3.22	85 3.33	56 2.20	3/8"55-2	100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		81 3.18	182 7.16	118 4.64	99 3.90	70 2.76	1/2"65-2
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		53 2.08	150 5.90	87 3.42	85 3.33	56 2.20	3/8"55-2	100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		86 3.38	182 7.16	124 4.88	99 3.90	70 2.76	1/2"65-2

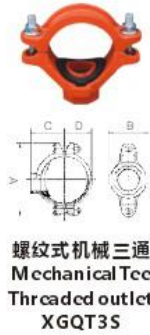


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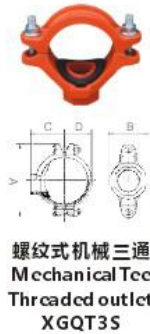
Groove Pipe Fitting

Threaded mechanical tee

Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size	Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size
				A	B	C	D						A	B	C	D	
规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格
50 × 15 2 × 1/2	60.3 × 21.3 2.375 × 0.825	300psi 2.07MPa	30 1.18	116 4.57	68 2.68	58 2.28	40 1.57	3/8"55-2	65 × 15 2 1/2 × 1/2	76.1 × 21.3 3.000 × 0.825	300psi 2.07MPa	30 1.18	137 5.39	71 2.80	68 2.72	49.5 1.95	3/8"55-2
50 × 20 2 × 3/4	60.3 × 26.9 2.375 × 1.050		30 1.18	116 4.57	68 2.68	58 2.28	39 1.53	3/8"55-2	65 × 20 2 1/2 × 3/4	76.1 × 26.9 3.000 × 1.050		30 1.18	137 5.39	71 2.80	68 2.72	49.5 1.95	3/8"55-2
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		38 1.50	118 4.64	71 2.80	58 2.36	40 1.57	3/8"55-2	65 × 25 2 1/2 × 1	76.1 × 33.7 3.000 × 1.315		38 1.50	136 5.35	72 2.83	69 2.72	49 1.93	3/8"55-2
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		46 1.81	118 4.64	75 2.95	60 2.56	40 1.57	3/8"55-2	65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		46 1.81	136 5.35	81 3.18	71 2.72	49 1.93	3/8"55-2
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		46 1.81	118 4.64	75 2.95	63 2.56	40 1.57	3/8"55-2	65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		53 2.08	136 5.35	86 3.38	71 2.72	49 1.93	3/8"55-2
65 × 15 2 1/2 × 1/2	73.0 × 21.3 2.875 × 0.825		30 1.18	144 5.66	71 2.80	66 2.72	49 1.93	3/8"55-2	80 × 15 3 × 1/2	88.9 × 21.3 3.500 × 0.825		30 1.18	152 5.98	72.5 2.85	74 3.15	56.5 2.22	3/8"55-2
65 × 20 2 1/2 × 3/4	73.0 × 26.9 2.875 × 1.050		30 1.18	144 5.66	71 2.80	66 2.72	49 1.93	3/8"55-2	80 × 20 3 × 3/4	88.9 × 26.9 3.500 × 1.050		30 1.18	152 5.98	72.5 2.85	74 3.15	56.5 2.22	3/8"55-2
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		38 1.50	133 5.23	72 2.83	67 2.72	47 1.85	3/8"55-2	80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315		38 1.50	150 5.98	73 2.87	75 3.15	56 2.20	3/8"55-2
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660	300psi 2.07MPa	46 1.81	133 5.23	81 3.18	69 2.87	47 1.85	3/8"55-2	80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		46 1.81	150 5.98	82 3.22	77 3.15	56 2.20	3/8"55-2
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		53 2.08	133 5.23	86 3.38	69 2.87	47 1.85	3/8"55-2	80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		53 2.08	150 5.90	87 3.42	77 3.15	56 2.20	3/8"55-2

螺纹式机械三通
Mechanical Tee
Threaded outlet
XGQT35

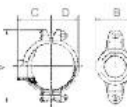
Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size	Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size
				A	B	C	D						A	B	C	D	
规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375	300psi 2.07MPa	61 2.40	150 5.90	100 3.93	81 3.15	56 2.20	3/8"55-2	100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375	300psi 2.07MPa	61 2.40	182 7.16	100 3.93	95 3.62	70 2.76	1/2"65-2
100 × 25 4 × 1	108.0 × 33.7 4.250 × 1.315		38 1.50	172 6.77	78.5 3.09	87 3.43	64.5 2.54	1/2"65-2	100 × 65 4 × 2 1/2	114.3 × 73.0 4.500 × 2.875		81 3.18	182 7.16	118 4.64	94 4.02	70 2.76	1/2"65-2
100 × 32 4 × 1 1/4	108.0 × 42.4 4.250 × 1.660		46 1.81	172 6.77	89 3.50	87 3.43	64.5 2.54	1/2"65-2	100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		81 3.18	182 7.16	118 4.64	94 4.02	70 2.76	1/2"65-2
100 × 40 4 × 1 1/2	108.0 × 48.3 4.250 × 1.900		53 2.08	172 6.77	89 3.50	87 3.43	64.5 2.54	1/2"65-2	100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		86 3.38	182 7.16	124 4.88	100 4.02	70 2.76	1/2"65-2
100 × 50 4 × 2	108.0 × 60.3 4.250 × 2.375		61 2.40	172 6.77	106.5 4.19	92 3.62	64.5 2.54	1/2"65-2	125 × 25 5 × 1	133.0 × 33.7 5.250 × 1.315		38 1.50	208 8.18	74 2.91	100 4.13	79 3.11	1/2"75-2
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		81 3.18	172 6.77	106.5 4.19	96 3.78	64.5 2.54	1/2"65-2	125 × 32 5 × 1 1/4	133.0 × 42.4 5.250 × 1.660		46 1.81	208 8.18	83 3.26	101 4.13	79 3.11	1/2"75-2
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		86 3.38	172 6.77	106.5 4.19	100 3.94	64.5 2.54	1/2"65-2	125 × 40 5 × 1 1/2	133.0 × 48.3 5.250 × 1.900		53 2.08	208 8.18	88 3.46	101 4.13	79 3.11	1/2"75-2
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		38 1.50	182 7.16	73 2.87	89 3.66	70 2.76	1/2"65-2	125 × 50 5 × 2	133.0 × 60.3 5.250 × 2.375		61 2.40	208 8.18	102 4.01	105 4.33	79 3.11	1/2"75-2
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660	300psi 2.07MPa	46 1.81	182 7.16	82 3.22	90 3.74	70 2.76	1/2"65-2	125 × 65 5 × 2 1/2	133.0 × 76.1 5.250 × 3.000		81 3.18	208 8.18	119 4.68	103 4.53	79 3.11	1/2"75-2
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		53 2.08	182 7.16	87 3.42	90 3.82	70 2.76	1/2"65-2	125 × 80 5 × 3	133.0 × 88.9 5.250 × 3.500		86 3.38	208 8.18	134 5.27	110 4.65	79 3.11	1/2"75-2

螺纹式机械三通
Mechanical Tee
Threaded outlet
XGQT35

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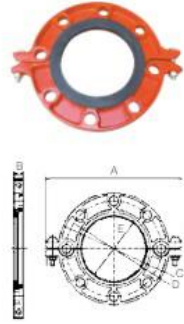
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Threaded mechanical tee

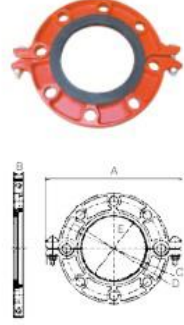
	Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size	Nominal Size mm/in	Pipe OD, mm/in	Working Pressure psi/MPa	Hole Dia. mm/in +1.6,0/+0.063,0	Dimensions mm/in				Bolt Size
	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格	规格	管子基本尺寸	工作压力	开孔尺寸	A	B	C	D	螺栓规格
  螺纹式机械三通 Mechanical Tee Threaded outlet XGQT3S	125 × 25 5 × 1	139.7 × 33.7 5.500 × 1.315	300psi 2.07MPa	38 1.50	215 8.46	74 2.91	103 4.33	83 3.26	1/2"75-2	150 × 40 6 × 1 1/2	165.1 × 48.3 6.500 × 1.900	300psi 2.07MPa	53 2.08	240 9.44	88 3.46	118 4.65	97.5 3.84	9/16"75-2
	125 × 32 5 × 1 1/4	139.7 × 42.4 5.500 × 1.660		46 1.81	215 8.46	83 3.26	104 4.41	83 3.26	1/2"75-2	150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		61 2.40	240 9.44	102 4.01	120 5.43	96 3.77	9/16"75-2
	125 × 40 5 × 1 1/2	139.7 × 48.3 5.500 × 1.900		53 2.08	215 8.46	88 3.46	104 4.41	83 3.26	1/2"75-2	150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		81 3.18	240 9.44	119 4.68	121 5.43	96 3.77	9/16"75-2
	125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		61 2.40	215 8.46	102 4.01	108 4.53	83 3.26	1/2"75-2	150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		86 3.38	240 9.44	134 5.27	126 5.43	96 3.77	9/16"75-2
	125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		81 3.18	215 8.46	119 4.68	108 4.53	83 3.26	1/2"75-2	150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		114 4.48	240 9.44	158 6.22	132 5.32	96 3.77	9/16"75-2
	125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		86 3.38	215 8.46	134 5.27	113 4.72	83 3.26	1/2"75-2	150 × 25 6 × 1	168.3 × 33.7 6.625 × 1.315		38 1.50	244 9.60	74 2.91	119 5.12	97 3.81	9/16"75-2
	125 × 25 5 × 1	141.3 × 33.7 5.563 × 1.315		38 1.50	215 8.46	74 2.91	103 4.33	84 3.31	1/2"75-2	150 × 32 6 × 1 1/4	168.3 × 42.4 6.625 × 1.660		46 1.81	244 9.60	83 3.26	120 5.12	98.5 3.88	9/16"75-2
	125 × 32 5 × 1 1/4	141.3 × 42.4 5.563 × 1.660		46 1.81	215 8.46	83 3.26	104 4.41	84 3.31	1/2"75-2	150 × 40 6 × 1 1/2	168.3 × 48.3 6.625 × 1.900		53 2.08	244 9.60	88 3.46	120 4.80	98.5 3.88	9/16"75-2
	125 × 40 5 × 1 1/2	141.3 × 48.3 5.563 × 1.900	53 2.00	215 8.46	88 3.46	104 4.41	84 3.31	1/2"75-2	150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375	61 2.40	244 9.60	102 4.01	122 5.20	97 3.81	9/16"75-2		
	125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375	61 2.40	215 8.46	102 4.01	108 4.53	83 3.26	1/2"75-2	150 × 65 6 × 2 1/2	168.3 × 73.0 6.625 × 2.875	81 3.18	244 9.60	119 4.68	123 5.20	97 3.81	9/16"75-2		
	125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000	81 3.18	215 8.46	119 4.64	108 4.53	83 3.26	1/2"75-2	150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000	81 3.18	244 9.60	119 4.68	123 5.20	97 3.81	9/16"75-2		
	125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500	86 3.38	215 8.46	134 5.27	114 4.72	83 3.26	1/2"75-2	150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500	86 3.38	244 9.60	134 5.27	128 5.51	97 3.81	9/16"75-2		
	150 × 25 6 × 1	159.0 × 33.7 6.250 × 1.315	38 1.50	244 9.60	78 3.07	116 4.57	94 3.70	9/16"75-2	150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500	114 4.48	244 9.60	158 6.22	134 5.51	97 3.81	9/16"75-2		
	150 × 32 6 × 1 1/4	159.0 × 42.4 6.250 × 1.660	46 1.81	244 9.60	93 3.66	118 4.65	94 3.70	9/16"75-2	200 × 25 8 × 1	219.1 × 33.7 8.625 × 1.315	38 1.50	308 12.12	74 2.91	145 5.91	124 4.88	5/8"95-2		
	150 × 40 6 × 1 1/2	159.0 × 48.3 6.250 × 1.900	53 2.08	244 9.60	93 3.66	118 4.65	94 3.70	9/16"75-2	200 × 32 8 × 1 1/4	219.1 × 42.4 8.625 × 1.660	46 1.81	308 12.12	83 3.26	146 5.91	124 4.88	5/8"95-2		
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375	61 2.40	230 9.05	98 3.85	115 4.53	90 3.54	9/16"75-2	200 × 40 8 × 1 1/2	219.1 × 48.3 8.625 × 1.900	53 2.08	308 12.12	88 3.46	146 5.91	124 4.88	5/8"95-2			
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000	81 3.18	230 9.05	121 4.76	125 4.92	90 3.54	9/16"75-2	200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375	61 2.40	308 12.12	102 4.01	149 6.30	124 4.88	5/8"95-2			
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500	86 3.38	230 9.05	134 5.27	125 4.92	90 3.54	9/16"75-2	200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000	81 3.18	308 12.12	119 4.68	149 6.24	124 4.88	5/8"95-2			
150 × 100 6 × 4	159.0 × 114.3 6.250 × 4.500	114 4.48	230 9.05	155 6.10	130 5.12	90 3.54	9/16"75-2	200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500	86 3.38	308 12.12	134 5.27	154 6.30	124 4.88	5/8"95-2			
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315	38 1.50	240 9.44	74 2.91	117 4.65	96 3.77	9/16"75-2	200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500	114 4.48	308 12.12	158 6.22	159 6.30	124 4.88	5/8"95-2			
150 × 32 6 × 1 1/4	165.1 × 42.4 6.500 × 1.660	46 1.81	240 9.44	83 3.26	118 4.65	97.5 3.84	9/16"75-2											

Grooved flange

Grooved Flange ANSI Class 150 沟槽法兰

 沟槽法兰 Grooved flange XGQT09	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions mm/in					Bolt Size	
				A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	No.-Size mm/in	
	规格	管子基本尺寸	工作压力	尺寸					螺栓	
	50 2	60.3 2.375	300psi 2.07MPa	206 8.11	19 0.74	152 5.98	121 4.76	57.5 2.26	M10*50-2	5/8-4
	65 2 1/2	73 2.875		230 9.05	19 0.74	178 7.00	140 5.51	69.0 2.71	M10*50-2	5/8-4
	80 3	88.9 3.5		244 9.60	19 0.74	191 7.52	152 5.98	85.0 3.34	M10*50-2	5/8-4
	100 4	114.3 4.5		280 11.02	19 0.74	229 9.00	191 7.52	110.5 4.35	M12*55-2	5/8-8
	125 5	141.3 5.563		322 12.67	22 0.86	250 9.84	216 8.50	137.0 5.39	M12*65-2	3/4-8
	150 6	168.3 6.625		346 13.62	22 0.86	285 11.22	241.5 9.50	164.0 6.45	M12*65-2	3/4-8
	200 8	219.1 8.625		410 16.14	24 0.94	340.0 13.38	298.5 11.75	214.0 8.42	3/8*70-2	3/4-8
	250 10	273 10.75		478.0 18.81	25 0.98	405.6 15.97	362.0 14.25	268.0 10.55	3/8*70-2	7/8-12

Grooved Flange PN 16 沟槽法兰

 沟槽法兰 Grooved flange XGQT09	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions mm/in					Bolt Size	
				A mm/in	B mm/in	C mm/in	D mm/in	E mm/in	No.-Size mm/in	
	规格	管子基本尺寸	工作压力	尺寸					螺栓	
	50 2	60.3 2.375	232psi 1.6MPa	215 8.46	24 0.95	160 6.29	125 4.92	57.5 2.26	M10*50-2	4-M16
	65 2 1/2	73 2.875		240 9.44	24 0.95	176 6.92	145 5.71	69.8 2.74	M10*50-2	4-M16
	65 2 1/2	76.1 3		240 9.44	24 0.95	176 6.92	145 5.71	72.7 2.86	M10*50-2	4-M16
	80 3	88.9 3.5		250 9.84	24 0.95	184 7.24	160 6.30	85.5 3.37	M10*50-2	8-M16
	100 4	108 4.25		266 10.47	24 0.95	218 8.58	180 7.09	104.5 4.11	M12*55-2	8-M16
	100 4	114.3 4.5		266 10.47	24 0.95	218 8.58	180 7.09	110.5 4.35	M12*55-2	8-M16
	125 5	133 5.25		300 11.81	24 0.95	247 9.72	210 8.27	129.2 5.08	M12*65-2	8-M16
	125 5	139.7 5.5		300 11.81	24 0.95	247 9.72	210 8.27	135.5 5.33	M12*65-2	8-M16
	125 5	141.3 5.563		300 11.81	24 0.95	247 9.72	210 8.27	137.4 5.41	M12*65-2	8-M16
	150 6	159 6.25		336 13.22	24 0.95	282 11.10	240 9.45	154.5 6.08	M12*65-2	8-M20
	150 6	165.1 6.5		336 13.22	24 0.95	282 11.10	240 9.45	163.5 6.43	M12*65-2	8-M20
	150 6	168.3 6.625		336 13.22	24 0.95	282 11.10	240 9.45	163.5 6.43	M12*65-2	8-M20
	200 8	219.1 8.625		395 15.55	27 1.06	335 13.18	295 11.61	214.5 8.44	3/8*70-2	12-M20
	250 10	273 10.75		470 18.50	27 1.06	404 15.90	355 13.97	267 10.51	3/8*70-2	12-M24

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Elbow

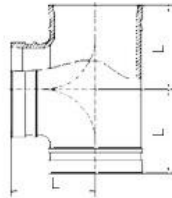
Groove Pipe Fitting

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L mm/in	Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸	规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327	300psi 2.07MPa	57 2.24	25 1	33.7 1.327	300psi 2.07MPa	45 1.77
32 1 1/4	42.4 1.669		60 2.36	32 1 1/4	42.4 1.669		45 1.77
40 1 1/2	48.3 1.9		60 2.36	40 1 1/2	48.3 1.9		45 1.77
50 2	60.3 2.375		70 2.75	50 2	60.3 2.375		51 2.00
65 2 1/2	73 2.875		76 3.00	65 2 1/2	73 2.875		57 2.24
65 2 1/2	76.1 3		76 3.00	65 2 1/2	76.1 3		57 2.24
80 3	88.9 3.5		86 3.38	80 3	88.9 3.5		64 2.51
100 4	108 4.25		101 3.98	100 4	108 4.25		76 3.00
100 4	114.3 4.5		101 3.98	100 4	114.3 4.5		76 3.00
125 5	133 5.25		121 4.76	125 5	133 5.25		82.5 3.24
125 5	139.7 5.5		121 4.76	125 5	139.7 5.5		82.5 3.24
125 5	141.3 5.563		121 4.76	125 5	141.3 5.563		82.5 3.24
150 6	159 6.25		140 5.51	150 6	159 6.25		89 3.50
150 6	165.1 6.5		140 5.51	150 6	165.1 6.5		89 3.50
150 6	168.3 6.625		140 5.51	150 6	168.3 6.625		89 3.50
200 8	219.1 8.625		175 6.88	200 8	219.1 8.625		108 4.25
250 10	273 10.75		188.5 7.42	250 10	273 10.75		120.5 4.74
300 12	323.9 12.750		222.5 8.76	300 12	323.9 12.750		133 5.23

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Tee

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327	300psi 2.07MPa	57 2.24
32 1 1/4	42.4 1.669		60 2.36
40 1 1/2	48.3 1.9		60 2.36
50 2	60.3 2.375		70 2.75
65 2 1/2	73 2.875		76 3.00
65 2 1/2	76.1 3		76 3.00
80 3	88.9 3.5		86 3.38
100 4	108 4.25		101 3.98
100 4	114.3 4.5		101 3.98
125 5	133 5.25		121 4.76
125 5	139.7 5.5		121 4.76
125 5	141.3 5.563		121 4.76
150 6	159 6.25		140 5.51
150 6	165.1 6.5		140 5.51
150 6	168.3 6.625		140 5.51
200 8	219.1 8.625		175 6.88
250 10	273 10.75		215 8.46
300 12	323.9 12.750		245 9.64



正三通
Tee
XGQT03

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威斯盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved reducing tee

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315	300psi 2.07MPa	70 2.75	70 2.75
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		70 2.75	70 2.75
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		70 2.75	70 2.75
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		76 3.00	76 3.00
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		76 3.00	76 3.00
65 × 50 2 1/2 × 2	73.0 × 60.3 2.875 × 2.375		76 3.00	76 3.00
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		76 3.00	76 3.00
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		76 3.00	76 3.00
65 × 50 2 1/2 × 2	76.1 × 60.3 3.000 × 2.375		76 3.00	76 3.00
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		86 3.38	86 3.38
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		86 3.38	86 3.38
80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		86 3.38	86 3.38
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		101 3.98	101 3.98
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
125 × 50 5 × 2	133.0 × 60.3 5.250 × 2.375		121 4.76	121 4.76
125 × 65 5 × 2 1/2	133.0 × 76.1 5.250 × 3.000		121 4.76	121 4.76
125 × 100 5 × 4	133.0 × 108.0 5.250 × 4.250		121 4.76	121 4.76
125 × 100 5 × 4	133.0 × 114.3 5.250 × 4.500		121 4.76	121 4.76
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375	300psi 2.07MPa	121 4.76	121 4.76
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		121 4.76	121 4.76
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		121 4.76	121 4.76
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		121 4.76	121 4.76
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		121 4.76	121 4.76
125 × 65 5 × 2 1/2	141.3 × 73.0 5.563 × 2.875		121 4.76	121 4.76



沟槽式异径三通
Grooved Reducing Tee
XGQT04

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威斯盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Groove Pipe Fitting

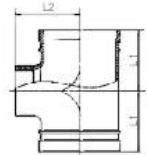
Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000	300psi 2.07MPa	121 4.76	121 4.76
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		121 4.76	121 4.76
125 × 100 5 × 4	141.3 × 114.3 5.563 × 4.500		121 4.76	121 4.76
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		140 5.50	140 5.50
150 × 100 6 × 4	159.0 × 108.0 6.250 × 4.250		140 5.50	140 5.50
150 × 100 6 × 4	159.0 × 114.3 6.250 × 4.500		140 5.50	140 5.50
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		140 5.50	140 5.50
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		140 5.50	140 5.50
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		140 5.50	140 5.50
150 × 125 6 × 5	165.1 × 139.7 6.500 × 5.500		140 5.50	140 5.50
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		140 5.50	140 5.50
150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		140 5.50	140 5.50
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		175 6.88	175 6.88
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		175 6.88	175 6.88
200 × 100 8 × 4	219.1 × 108.0 8.625 × 4.250		175 6.88	175 6.88
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		175 6.88	175 6.88
200 × 125 8 × 5	219.1 × 139.7 8.625 × 5.500		175 6.88	175 6.88
200 × 150 8 × 6	219.1 × 159.0 8.625 × 6.250		175 6.88	175 6.88
200 × 150 8 × 6	219.1 × 165.1 8.625 × 6.500	300psi 2.07MPa	175 6.88	175 6.88
200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625		175 6.88	175 6.88
250 × 100 10 × 4	273.0 × 114.3 10.750 × 4.500		215 8.46	215 8.46
250 × 125 10 × 5	273.0 × 139.7 10.750 × 5.500		215 8.46	215 8.46
250 × 150 10 × 6	273.0 × 165.1 10.750 × 6.500		215 8.46	215 8.46



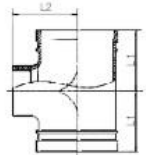
沟槽式异径三通
Grooved Reducing Tee
XGQT04

Threaded reducing tee

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
40 × 25 1½ × 1	48.3 × 33.7 1.900 × 1.315		60 2.36	60 2.36
40 × 32 1½ × 1¼	48.3 × 42.4 1.900 × 1.660		60 2.36	60 2.36
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		70 2.75	70 2.75
50 × 32 2 × 1¼	60.3 × 42.4 2.375 × 1.660		70 2.75	70 2.75
50 × 40 2 × 1½	60.3 × 48.3 2.375 × 1.900		70 2.75	70 2.75
65 × 25 2½ × 1	73.0 × 33.7 2.875 × 1.315		76 3.00	76 3.00
65 × 32 2½ × 1¼	73.0 × 42.4 2.875 × 1.660		76 3.00	76 3.00
65 × 40 2½ × 1½	73.0 × 48.3 2.875 × 1.900		76 3.00	76 3.00
65 × 50 2½ × 2	73.0 × 60.3 2.875 × 2.375		76 3.00	76 3.00
65 × 25 2½ × 1	76.1 × 33.7 3.000 × 1.315		76 3.00	76 3.00
65 × 32 2½ × 1¼	76.1 × 42.4 3.000 × 1.660		76 3.00	76 3.00
65 × 40 2½ × 1½	76.1 × 48.3 3.000 × 1.900		76 3.00	76 3.00
65 × 50 2½ × 2	76.1 × 60.3 3.000 × 2.375		76 3.00	76 3.00
80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315	300psi 2.07MPa	86 3.38	86 3.38
80 × 32 3 × 1¼	88.9 × 42.4 3.500 × 1.660		86 3.38	86 3.38
80 × 40 3 × 1½	88.9 × 48.3 3.500 × 1.900		86 3.38	86 3.38
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		86 3.38	86 3.38
80 × 65 3 × 2½	88.9 × 76.1 3.500 × 3.000		86 3.38	86 3.38
100 × 65 4 × 2½	108.0 × 76.1 4.250 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		101 3.98	101 3.98
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		101 3.98	101 3.98
100 × 32 4 × 1¼	114.3 × 42.4 4.500 × 1.660		101 3.98	101 3.98
100 × 40 4 × 1½	114.3 × 48.3 4.500 × 1.900		101 3.98	101 3.98
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
125 × 25 5 × 1	139.7 × 33.7 5.500 × 1.315		121 4.76	121 4.76
125 × 32 5 × 1¼	139.7 × 42.4 5.500 × 1.660		121 4.76	121 4.76
125 × 40 5 × 1½	139.7 × 48.3 5.500 × 1.900		121 4.76	121 4.76
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		121 4.76	121 4.76
125 × 65 5 × 2½	139.7 × 76.1 5.500 × 3.000		121 4.76	121 4.76
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		121 4.76	121 4.76
125 × 25 5 × 1	141.3 × 33.7 5.563 × 1.315		121 4.76	121 4.76
125 × 32 5 × 1¼	141.3 × 42.4 5.563 × 1.660		121 4.76	121 4.76
125 × 40 5 × 1½	141.3 × 48.3 5.563 × 1.900		121 4.76	121 4.76
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		121 4.76	121 4.76
125 × 65 5 × 2½	141.3 × 76.1 5.563 × 3.000		121 4.76	121 4.76
150 × 65 6 × 2½	159.0 × 76.1 6.250 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		140 5.50	140 5.50
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		140 5.50	140 5.50
150 × 32 6 × 1¼	165.1 × 42.4 6.500 × 1.660		140 5.50	140 5.50
150 × 40 6 × 1½	165.1 × 48.3 6.500 × 1.900		140 5.50	140 5.50
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		140 5.50	140 5.50
150 × 65 6 × 2½	165.1 × 76.1 6.500 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		140 5.50	140 5.50
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		140 5.50	140 5.50
150 × 25 6 × 1	168.3 × 33.7 6.625 × 1.315		140 5.50	140 5.50
150 × 32 6 × 1¼	168.3 × 42.4 6.625 × 1.660		140 5.50	140 5.50
150 × 40 6 × 1½	168.3 × 48.3 6.625 × 1.900		140 5.50	140 5.50
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		140 5.50	140 5.50
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		175 6.88	175 6.88
200 × 65 8 × 2½	219.1 × 76.1 8.625 × 3.000		175 6.88	175 6.88
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		175 6.88	175 6.88



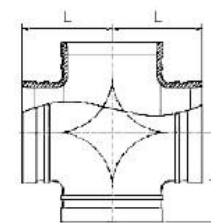
螺纹式异径三通
Threaded Reducing Tee
XGQT045



螺纹式异径三通
Threaded Reducing Tee
XGQT045

Cross

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
32 1¼	42.4 1.669		60 2.36
40 1½	48.3 1.9		60 2.36
50 2	60.3 2.375		70 2.75
65 2½	73 2.875		76 3.00
65 2½	76.1 3		76 3.00
80 3	88.9 3.5		86 3.38
100 4	108 4.25		101 3.98
100 4	114.3 4.5		101 3.98
125 5	133 5.25	300psi 2.07MPa	121 4.76
125 5	139.7 5.5		121 4.76
125 5	141.3 5.563		121 4.76
150 6	159 6.25		140 5.51
150 6	165.1 6.5		140 5.51
150 6	168.3 6.625		140 5.51
200 8	219.1 8.625		175 6.88
250 10	273 10.75		215 8.46
300 12	323.9 12.750		245 9.64



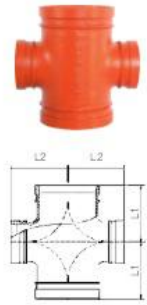
正四通
Cross
XGQT05

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威斯盾集团技术部
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注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威斯盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Grooved/Threaded reducing Cross

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L1 mm/in	Dimensions L2 mm/in
规格	管子基本尺寸	工作压力	尺寸	尺寸
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		121 4.76	121 4.76
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500	300psi 2.07MPa	140 5.50	140 5.50
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		140 5.50	140 5.50
150 × 65 6 × 2½	168.3 × 76.1 6.625 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		140 5.50	140 5.50
150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		140 5.50	140 5.50
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315		101 3.98	101 3.98
100 × 32 4 × 1¼	114.3 × 42.4 4.500 × 1.660		101 3.98	101 3.98
100 × 40 4 × 1½	114.3 × 48.3 4.500 × 1.900		101 3.98	101 3.98
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		101 3.98	101 3.98
100 × 65 4 × 2½	114.3 × 76.1 4.500 × 3.000		101 3.98	101 3.98
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		101 3.98	101 3.98
125 × 32 5 × 1¼	139.7 × 42.4 5.500 × 1.660		121 4.76	121 4.76
125 × 40 5 × 1½	139.7 × 48.3 5.500 × 1.900		121 4.76	121 4.76
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375	300psi 2.07MPa	121 4.76	121 4.76
125 × 65 5 × 2½	139.7 × 76.1 5.500 × 3.000		121 4.76	121 4.76
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		121 4.76	121 4.76
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		140 5.50	140 5.50
150 × 32 6 × 1¼	165.1 × 42.4 6.500 × 1.660		140 5.50	140 5.50
150 × 40 6 × 1½	165.1 × 48.3 6.500 × 1.900		140 5.50	140 5.50
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		140 5.50	140 5.50
150 × 65 6 × 2½	165.1 × 76.1 6.500 × 3.000		140 5.50	140 5.50
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		140 5.50	140 5.50



沟槽式异径四通
Grooved
Reducing Cross
XGQT051



螺纹式异径四通
Threaded
Reducing Cross
XGQT051S

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Cap

Groove Pipe Fitting

Nominal Size mm/in	Pipe OD mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
25 1	33.7 1.327		25 0.98
32 1¼	42.4 1.669		25 0.98
40 1½	48.3 1.9		25 0.98
50 2	60.3 2.375		25 0.98
65 2½	73 2.875		25 0.98
65 2½	76.1 3		25 0.98
80 3	88.9 3.5		26 10.2
100 4	108 4.25		26 10.2
100 4	114.3 4.5	300psi 2.07MPa	26 10.2
125 5	133 5.25		26 10.2
125 5	139.7 5.5		26 10.2
125 5	141.3 5.563		26 10.2
150 6	159 6.25		26 10.2
150 6	165.1 6.5		26 10.2
150 6	168.3 6.625		26 10.2
200 8	219.1 8.625		30 1.18
250 10	273 10.75		32 1.25
300 12	323.9 12.750		32 1.25

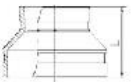


盲片
Cap
XGQT06

注：产品尺寸可能会因技术原因有所改动，恕不另行通知，如有疑问请征询威盾集团技术部
Note: The measurements of products maybe changed for the technical reason without responsibility note, please feel free to contact technical Dept.

Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
32 × 25 1 1/4 × 1	42.4 × 33.7 1.660 × 1.315	300psi 2.07MPa	64 2.51
40 × 25 1 1/2 × 1	48.3 × 33.7 1.900 × 1.315		64 2.51
40 × 32 1 1/2 × 1 1/4	48.3 × 42.4 1.900 × 1.660		64 2.51
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		64 2.51
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		64 2.51
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		64 2.51
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		64 2.51
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		64 2.51
65 × 50 2 1/2 × 2	73.0 × 60.3 2.875 × 2.375		64 2.51
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		64 2.51
65 × 50 2 1/2 × 2	76.1 × 60.3 3.000 × 2.375		64 2.51
80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		64 2.51
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		64 2.51
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		64 2.51
80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		64 2.51
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		76 2.99
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		76 2.99
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		76 2.99
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900	300psi 2.07MPa	76 2.99
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		76 2.99
100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		76 2.99
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		76 2.99
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		89 3.50
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		89 3.50
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		89 3.50
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		89 3.50
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		89 3.50
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000		89 3.50
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		89 3.50
125 × 100 5 × 4	141.3 × 114.3 5.563 × 4.500		89 3.50
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375		102 4.01
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		102 4.01
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		102 4.01
150 × 100 6 × 4	159.0 × 108.0 6.250 × 4.250		102 4.01
150 × 100 6 × 4	159.0 × 114.3 6.250 × 4.500		102 4.01
150 × 100 6 × 4	159.0 × 125.0 6.250 × 5.000		102 4.01
150 × 125 6 × 5	159.0 × 139.7 6.250 × 5.500		102 4.01
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		102 4.01



沟槽式大小头
Grooved
Concentric
Reducdr
XGQT07



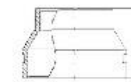
沟槽式大小头
Grooved
Concentric
Reducdr
XGQT07

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Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000	300psi 2.07MPa	102 4.01
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		102 4.01
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		102 4.01
150 × 125 6 × 5	165.1 × 139.7 6.500 × 5.500		102 4.01
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		102 4.01
150 × 65 6 × 2 1/2	168.3 × 76.1 6.625 × 3.000		102 4.01
150 × 80 6 × 3	168.3 × 88.9 6.625 × 3.500		102 4.01
150 × 100 6 × 4	168.3 × 114.3 6.625 × 4.500		102 4.01
150 × 80 6 × 5	168.3 × 139.7 6.625 × 5.500		102 4.01
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		127 5
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		127 5
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		127 5
200 × 100 8 × 4	219.1 × 108.0 8.625 × 4.250		127 5
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		127 5
200 × 125 8 × 5	219.1 × 139.7 8.625 × 5.500		127 5
200 × 150 8 × 6	219.1 × 159.0 8.625 × 6.250		127 5
200 × 150 8 × 6	219.1 × 165.1 8.625 × 6.500		127 5
200 × 150 8 × 6	219.1 × 168.3 8.625 × 6.625		127 5
32 × 25 1 1/4 × 1	42.4 × 33.7 1.660 × 1.315	300psi 2.07MPa	64 2.51
40 × 32 1 1/2 × 1 1/4	48.3 × 42.4 1.900 × 1.660		64 2.51
50 × 25 2 × 1	60.3 × 33.7 2.375 × 1.315		64 2.51
50 × 32 2 × 1 1/4	60.3 × 42.4 2.375 × 1.660		64 2.51
50 × 40 2 × 1 1/2	60.3 × 48.3 2.375 × 1.900		64 2.51
65 × 25 2 1/2 × 1	73.0 × 33.7 2.875 × 1.315		64 2.51
65 × 32 2 1/2 × 1 1/4	73.0 × 42.4 2.875 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	73.0 × 48.3 2.875 × 1.900		64 2.51
65 × 50 2 1/2 × 2	73.0 × 60.3 2.875 × 2.375		64 2.51
65 × 25 2 1/2 × 1	76.1 × 33.7 3.000 × 1.315		64 2.51
65 × 32 2 1/2 × 1 1/4	76.1 × 42.4 3.000 × 1.660		64 2.51
65 × 40 2 1/2 × 1 1/2	76.1 × 48.3 3.000 × 1.900		64 2.51
65 × 50 2 1/2 × 2	76.1 × 60.3 3.000 × 2.375		64 2.51
80 × 25 3 × 1	88.9 × 33.7 3.500 × 1.315		64 2.51
80 × 32 3 × 1 1/4	88.9 × 42.4 3.500 × 1.660		64 2.51
80 × 40 3 × 1 1/2	88.9 × 48.3 3.500 × 1.900		64 2.51
80 × 50 3 × 2	88.9 × 60.3 3.500 × 2.375		64 2.51
80 × 65 3 × 2 1/2	88.9 × 76.1 3.500 × 3.000		64 2.51
100 × 25 4 × 1	108.0 × 33.7 4.250 × 1.315		76 2.99
100 × 32 4 × 1 1/4	108.0 × 42.4 4.250 × 1.660		76 2.99
100 × 40 4 × 1 1/2	108.0 × 48.3 4.250 × 1.900		76 2.99
100 × 50 4 × 2	108.0 × 60.3 4.250 × 2.375		76 2.99
100 × 65 4 × 2 1/2	108.0 × 76.1 4.250 × 3.000		76 2.99
100 × 80 4 × 3	108.0 × 88.9 4.250 × 3.500		76 2.99



螺纹式大小头
Threaded
Concentric
Reducdr
XGQT07S

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Groove Pipe Fitting

Reducer

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions L mm/in
规格	管子基本尺寸	工作压力	尺寸
100 × 25 4 × 1	114.3 × 33.7 4.500 × 1.315	300psi 2.07MPa	76 2.99
100 × 32 4 × 1 1/4	114.3 × 42.4 4.500 × 1.660		76 2.99
100 × 40 4 × 1 1/2	114.3 × 48.3 4.500 × 1.900		76 2.99
100 × 50 4 × 2	114.3 × 60.3 4.500 × 2.375		76 2.99
100 × 65 4 × 2 1/2	114.3 × 76.1 4.500 × 3.000		76 2.99
100 × 80 4 × 3	114.3 × 88.9 4.500 × 3.500		76 2.99
125 × 25 5 × 1	133.0 × 33.7 5.250 × 1.315		89 3.50
125 × 32 5 × 1 1/4	133.0 × 42.4 5.250 × 1.660		89 3.50
125 × 40 5 × 1 1/2	133.0 × 48.3 5.250 × 1.900		89 3.50
125 × 50 5 × 2	133.0 × 60.3 5.250 × 2.375		89 3.50
125 × 25 5 × 1	139.7 × 33.7 5.500 × 1.315		89 3.50
125 × 32 5 × 1 1/4	139.7 × 42.4 5.500 × 1.660		89 3.50
125 × 40 5 × 1 1/2	139.7 × 48.3 5.500 × 1.900		89 3.50
125 × 50 5 × 2	139.7 × 60.3 5.500 × 2.375		89 3.50
125 × 65 5 × 2 1/2	139.7 × 76.1 5.500 × 3.000		89 3.50
125 × 80 5 × 3	139.7 × 88.9 5.500 × 3.500		89 3.50
125 × 100 5 × 4	139.7 × 114.3 5.500 × 4.500		89 3.50
125 × 25 5 × 1	141.3 × 33.7 5.563 × 1.315		89 3.50
125 × 32 5 × 1 1/4	141.3 × 42.4 5.563 × 1.660		89 3.50
125 × 40 5 × 1 1/2	141.3 × 48.3 5.563 × 1.900		89 3.50
125 × 50 5 × 2	141.3 × 60.3 5.563 × 2.375		89 3.50
125 × 65 5 × 2 1/2	141.3 × 76.1 5.563 × 3.000		89 3.50
125 × 80 5 × 3	141.3 × 88.9 5.563 × 3.500		89 3.50
150 × 25 6 × 1	159.0 × 33.7 6.250 × 1.315	300psi 2.07MPa	102 4.01
150 × 32 6 × 1 1/4	159.0 × 42.4 6.250 × 1.660		102 4.01
150 × 40 6 × 1 1/2	159.0 × 48.3 6.250 × 1.900		102 4.01
150 × 50 6 × 2	159.0 × 60.3 6.250 × 2.375		102 4.01
150 × 65 6 × 2 1/2	159.0 × 76.1 6.250 × 3.000		102 4.01
150 × 80 6 × 3	159.0 × 88.9 6.250 × 3.500		102 4.01
150 × 25 6 × 1	165.1 × 33.7 6.500 × 1.315		102 4.01
150 × 32 6 × 1 1/4	165.1 × 42.4 6.500 × 1.660		102 4.01
150 × 40 6 × 1 1/2	165.1 × 48.3 6.500 × 1.900		102 4.01
150 × 50 6 × 2	165.1 × 60.3 6.500 × 2.375		102 4.01
150 × 65 6 × 2 1/2	165.1 × 76.1 6.500 × 3.000		102 4.01
150 × 80 6 × 3	165.1 × 88.9 6.500 × 3.500		102 4.01
150 × 100 6 × 4	165.1 × 114.3 6.500 × 4.500		102 4.01
150 × 25 6 × 1	168.3 × 33.7 6.625 × 1.315		102 4.01
150 × 32 6 × 1 1/4	168.3 × 42.4 6.625 × 1.660		102 4.01
150 × 40 6 × 1 1/2	168.3 × 48.3 6.625 × 1.900		102 4.01
150 × 50 6 × 2	168.3 × 60.3 6.625 × 2.375		102 4.01
200 × 25 8 × 1	219.1 × 33.7 8.625 × 1.315		127 5
200 × 32 8 × 1 1/4	219.1 × 42.4 8.625 × 1.660		127 5
200 × 40 8 × 1 1/2	219.1 × 48.3 8.625 × 1.900		127 5
200 × 50 8 × 2	219.1 × 60.3 8.625 × 2.375		127 5
200 × 65 8 × 2 1/2	219.1 × 76.1 8.625 × 3.000		127 5
200 × 80 8 × 3	219.1 × 88.9 8.625 × 3.500		127 5
200 × 100 8 × 4	219.1 × 114.3 8.625 × 4.500		127 5

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Adaptor flange

Groove Pipe Fitting

ANSI Class 150

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in				Bolt Size
			L mm/in	X mm/in	Y mm/in	Z mm/in	No.-Size mm
规格	管子基本尺寸	工作压力	尺寸				螺栓
50 2	60.3 2.375	300psi 2.07MPa	60 2.362	160 6.30	120.7 4.75	15 0.59	4-5/8
65 2 1/2	73 2.875		60 2.362	180 7.08	139.7 5.50	15 0.59	4-5/8
80 3	88.9 3.5		65 2.559	200 7.87	152.5 6.00	15 0.59	8-5/8
100 4	114.3 4.5		70 2.756	228 8.97	190.5 7.50	16 0.63	8-5/8
100 4	141 4.5		70 2.756	250 9.84	216 8.50	17 0.67	8-5/8
150 6	168.3 6.625		70 2.756	282 11.10	241.5 9.50	17 0.67	8-3/4
200 8	219.1 8.625		75 2.952	340 13.39	298.5 11.75	19 0.74	8-3/4
250 10	273 10.75		85 3.346	405 15.94	362 14.25	21 0.82	12-7/8
300 12	323.9 12.750		85 3.346	482 18.97	432 17.00	22 0.86	12-7/8

PN16

Nominal Size mm/in	Pipe OD. mm/in	Working Pressure psi/MPa	Dimensions mm/in				Bolt Size
			L mm/in	X mm/in	Y mm/in	Z mm/in	No.-Size mm
规格	管子基本尺寸	工作压力	尺寸				螺栓
50 2	60.3 2.375	232psi 1.6MPa	65 2.559	165 6.50	125 4.92	16 0.63	4-M16
65 2 1/2	76.1 3		65 2.559	185 7.28	145 5.70	16 0.63	4-M16
80 3	88.9 3.5		65 2.559	200 7.87	160 6.29	16 0.63	8-M16
100 4	108 4.25		70 2.756	220 8.66	180 7.08	16 0.63	8-M16
100 4	114.3 4.5		70 2.756	220 8.66	180 7.08	16 0.63	8-M16
125 5	133 5.25		70 2.756	250 9.84	210 8.26	18 0.71	8-M16
125 5	139.7 5.5		70 2.756	250 9.84	210 8.26	18 0.71	8-M16
150 6	159 6.25		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
150 6	165.1 6.5		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
150 6	168.3 6.625		70 2.756	282 11.10	240 9.44	18 0.71	8-M20
200 8	219.1 8.625		80 3.150	340 13.39	295 11.61	19 0.74	12-M20
250 10	273 10.75		85 3.346	405 15.94	355 13.97	21 0.82	12-M24
300 12	323.9 12.750		90 3.543	460 18.11	410 16.14	24 0.94	12-M24

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Fire Control Series



Alarm Valve

> Wet Alarm Check Valve Groove Type



> Deluge Alarm Valve Groove Type



> Deluge Alarm Valve



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.2MPa			
Sealing Testing	2.4MPa			
Strength Testing	4.8MPa			
Control Way	Electronic control, guidance, manual type			

Wet Alarm Valve (SS304 Material)



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.6MPa			
Sealing Testing	3.2MPa			
Strength Testing	6.4MPa			
Friction	<0.02MPa			

Deluge Alarm Valve (SS304 Material)



Technical Parameters

Size	DN100	DN150	DN200	DN250
Working Pressure	1.2MPa			
Sealing Testing	2.4MPa			
Strength Testing	4.8MPa			
Control Way	Electronic control , guidance , manual type			

SS304 Remote Control Fire Monitor

Model: PSKD80

Size: PSKD80

Flow Rate: 10~80L/S Automatic nozzle

Type of monitor head: Automatic type

Working Pressure: 10 Bar

Max jetting range: 80 Meters

Max rotation angel: vertical $\pm 90^{\circ}$, horizontal 350 $^{\circ}$

Max fog angel: 120 $^{\circ}$

Max rotate speed: 18 $^{\circ}$ /second

Main body material: 304L stainless steel

Turbine material: brass

Material of monitor head: Aluminum alloy

Supply voltage: 12/24V or 100~230VAC

Power dissipation: 50W/150W

Weight: About 28kg

Length of cable: 5 meters (free)

Water inlet: DN100 Flange (GB standard or according to customer requirement)

Feature: Excellence Quality Maintenance free

Original: Made in China



Duxtile Material Remote Control Monitor

Products Features

1. Easy to control far jetting range
2. Light weight
3. Remote control range reach 150 meters
4. Manual and remote control
5. Control panel function
6. Straight and fog function



Technical Parameters

Type	PSKD20	PSKD30	PSKD40	PSKD50	PSKD60
Flowrate (L/S)	20	30	40	50	60
Rate Working Pressure (MPa)			0.8		
Max Working Pressure (MPa)			1.0		
Jetting Range (m)	≥48	≥55	≥60	≥65	≥70
Horizontal Rotation Angle (°)			0~360		
Vertical Rotation Angle (°)			-15~70		
Fog Angle (°)			90		
DC 24V			DC 24		
Inlet size (mm)			DN100		

Fire Water Monitor

> Fire Water Monitor (SS304)



Technical Parameters

Type	PS20	PS30	PS40	PS50
Flowrate (L/S)	20	30	40	50
Rate Working Pressure (MPa)			0.8	
Max Working Pressure (MPa)			1.0	
Max Jetting Range (M)	≥48	≥55	≥60	≥65
Horizontal Rotation Angle (°)			0~360	
Maximum Elevation			70	
Min Depression			-70	

Foam / Water Monitor PL Series

Products Features

- 1. Easy to control, far jetting range
- 2. 360° Horizontal Rotation
- 3. Straight and fog function



Technical Parameters

Type		PL24	PL32	PL40	PL48	PL64
Flow rate (L/S)		24	32	40	48	64
Rate Working Pressure (MPa)		0.8				
Max Working Pressure (MPa)		1.0				
Max Jetting Range (M)	Water	≥ 48	≥ 55	≥ 60	≥ 65	≥ 70
	Foam	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65
Horizontal Rotation Angle (°)		0~360				
Maximum Elevation (°)		70				
Min Depression (°)		-70				
Fog Angle (°)		≥ 5				
25% Drainage Time (min)		≥ 2.5				

Self-Inductor Foam Monitor



Technical Parameters

Type		PL24	PL32	PL40	PL48	PL64
Flow rate (L/S)		24	32	40	48	64
Rate Working Pressure (MPa)		0.8				
Max Working Pressure (MPa)		1.0				
Max Jetting Range (M)	Water	≥ 48	≥ 55	≥ 60	≥ 65	≥ 70
	Foam	≥ 45	≥ 50	≥ 55	≥ 60	≥ 65
Horizontal Rotation Angle (°)		0~360				
Maximum Elevation (°)		70				
Min Depression (°)		-70				
Foam Expansion		≥5				
25% Drainage Time (min)		≥ 2.5				

Fire sprinkler



Article Code	Connection Thread
TN03-S-01	R1/2"



Article Code	Connection Thread
TN03-S-02	R1/2"



Article Code	Connection Thread
TN03-S-03	R1/2"



Article Code	Connection Thread
TN03-S-04	R1/2"



Article Code	Connection Thread
TN03-S-05	M30 × 1.5



Article Code	Connection Thread	Gauge Thread
TN03-S-05	M30 × 1.5	M10 × 1-12.5

TN03-S-07



Available bulb temperature:

Orange	57°C
Red	68°C
Yellow	79°C
Green	93°C
Blue	141°C

Fire cabinet

Fire Control Series

Fire extinguisher cabinets



TN04-A-01



TN04-A-03A



TN04-A-02



TN04-A-04



TN04-A-02A



TN04-A-05



TN04-A-03



TN04-A-06

Fire cabinet

Fire hose cabinets



TN04-B-01



TN04-B-03



TN04-B-01A



TN04-B-04



TN04-B-01B Stainless steel



TN04-C-10



TN04-B-02



TN04-C-10A

Fire nozzle

Fire Control Series



TN05-IT-01



TN05-IT-02



TN05-IT-03



TN05-IT-04



TN05-IT-05



TN05-IT-06



TN05-IT-07



TN05-IT-08

Code Number	Specification
TN05-IT-01	M56 × 4-Φ 12
TN05-IT-02	M85 × 6-Φ 13
TN05-IT-03	M56 × 4-Φ 12
TN05-IT-04	M85 × 6-Φ 13
TN05-IT-05	M56 × 4-Φ 12
TN05-IT-06	M85 × 6-Φ 12



TN05-MS-01



TN05-MS-04



TN05-MS-07



TN05-MS-08



TN05-MS-02



TN05-MS-05



TN05-MS-07



TN05-MS-03



TN05-MS-06

Code Number	Specification
TN05-MS-01	Φ 165 – 2.5" BS336
TN05-MS-02	BSPT2.5" – 2.5" BS336
TN05-MS-03	BSPT2.5" – 2.5" BS336
TN05-MS-04	4" x 2 Way (2.5" BS336) Breeching

Fire hose



Canvas Fire Hose

- ⊗ Lining: Natural rubber or PU
- ⊗ Working pressure: 8, 10, 13 16bar
- ⊗ Size: 1"~4"
- ⊗ Color: white, red, yellow
- ⊗ Length: 0~30M

PVC Layflat Hose

- ⊗ Working pressure: 2~8 Bar
- ⊗ Size: 1"~8"
- ⊗ Color: Blue, red
- ⊗ Length: 0~100M

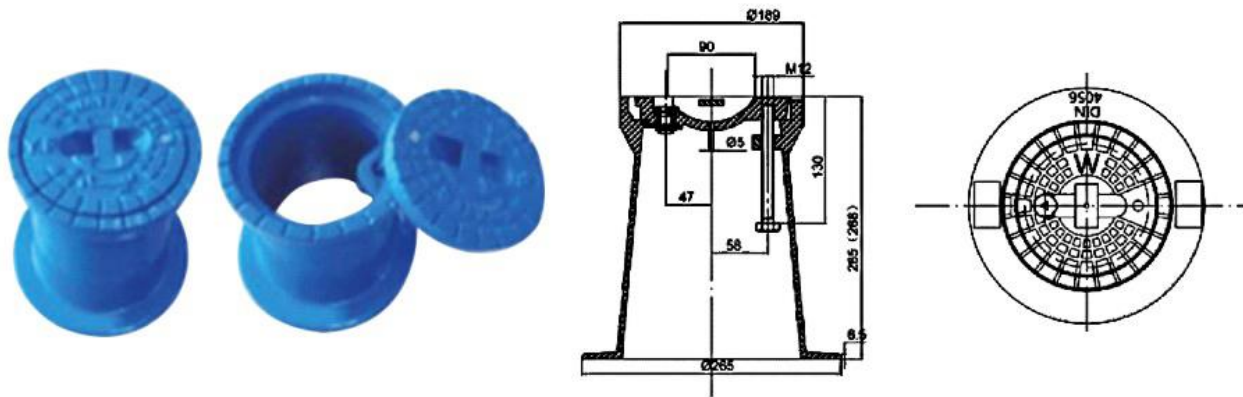
Fire reel



GB14561-2003



Valve shaft



Valve hole is the underground pipeline and underground pipeline, such as water, oil, natural gas pipeline, etc.) of the valve to open and close in the need for part of the network operation or maintenance is convenient, is set similar to the small room of a pit (or well), such as the valve installation in the pit, is advantageous for the periodic inspection, cleaning and dredge pipe, prevent blockage of hub. This pit is called the valve well.

Technical requirements

1. The valve well itself can not seepage water, must ensure its tightness;
2. During the use of the water supply pipeline, the pipeline will be subjected to pressure from different aspects, resulting in different degrees of vibration or settlement, that is, the connection between the water supply pipeline and the valve well should be reliable, able to adapt to a certain degree of vibration and settlement, without water infiltration into the well chamber; Cast iron valves (such as globe valve, butterfly valve, etc.) are generally used when the buried deep valve well pipe is a little larger (such as globe valve, butterfly valve, etc.).
3. The connection between the valve well wellbore and the well body and cover should be reliable. Water should not seep into the well chamber because of heavy rain or water.
4. The valve well is buried in the ground, to withstand different pressures from all directions, and different chemical corrosion and damage, and the requirements of its pressure capacity and acid and alkali corrosion resistance.

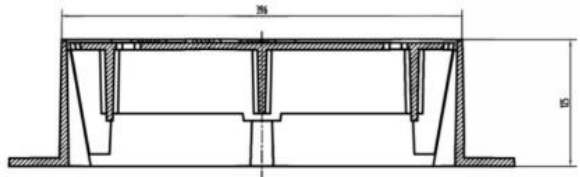
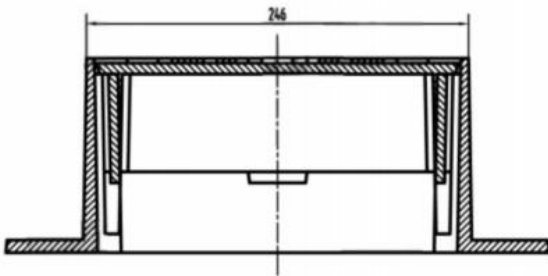
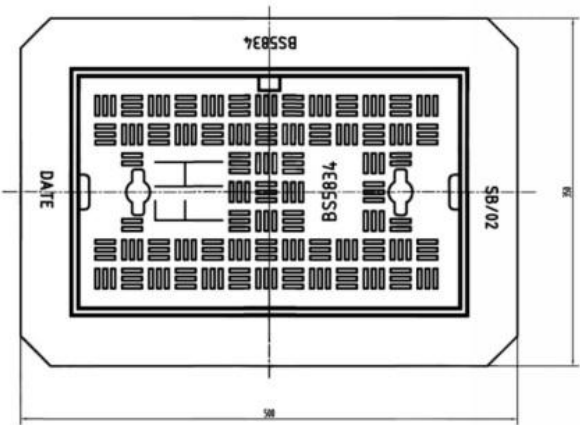
Material Specifications

No.	Parts	Material
1	Body	DI, Nodular cast iron DI, Carbon steel WCB

Valve design

Technical specification	
Valve Design	BS 5834

Surface box



Technical Retuirement

1. BS 5834 Standard (include BS 750)
2. Material: Ductile Iron
3. Words: "FH", not less than 75mm
4. Frame Size: 230 × 380 × 125mm
Overbase Size: 350 × 500
5. Coating: Black Bitumen
6. Standard: DIN 4055
7. Bearing weight: 15T



Fire Control Series