



ReSafe

Professional Coupling for Membrane Technology Water Treatment



Making Pipeline Connections
Safer and More Convenient

www.resafe.cn



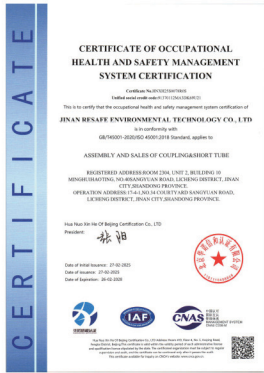
Company introduction

Jinan ReSafe Environmental Technology Co., Ltd., headquartered in Jinan City, Shandong Province, is engaged in the research, specialized production, and sales of flexible joints, including stainless steel grooved couplings and fittings, which are suitable for cast iron pipes, steel pipes, and stainless steel piping systems.

The product range of ReSafe includes stainless steel and cast iron connectors with diameters ranging from 1" to 8" (DN20 to DN200). The working pressure varies from 150 Psi/1.0 MPa up to a maximum of 2300 Psi/16 MPa depending on the product, meeting the requirements for various industrial and mining applications.

Leveraging our company's extensive project experience, independent innovation capabilities, and excellent manufacturing technology, we are expanding into areas such as advanced treatment and reuse of industrial wastewater, as well as material concentration, separation, and purification. We are committed to helping enterprises achieve energy conservation, emission reduction, and low-carbon environmental protection.

ReSafe Environmental consistently adheres to the business philosophy of integrity, professionalism, and innovation. We continuously develop new technologies and explore new fields to provide users with the most optimized solutions. We strive to win users with sincerity and service, and to create achievements through quality.

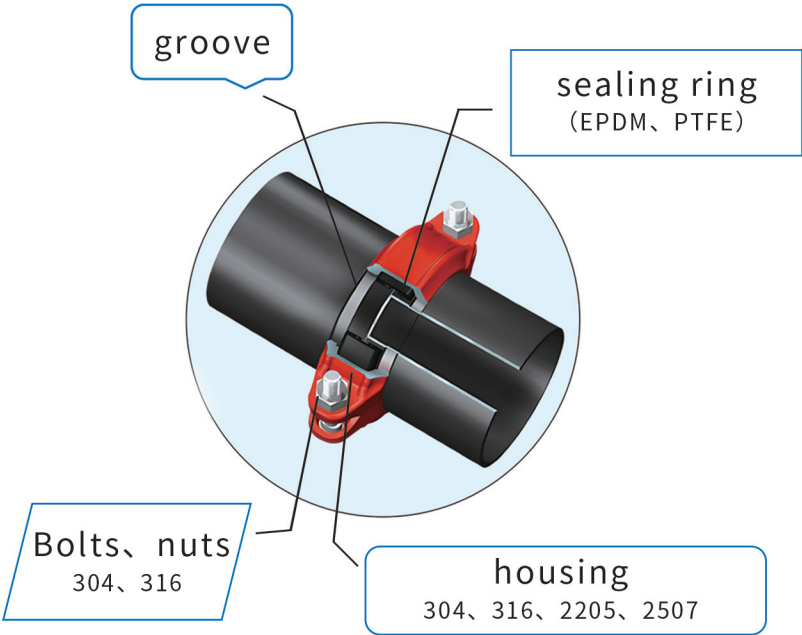


- PIPE FITTINGS
- SAFETY IS THE MOST IMPORTANT
- A CONNECTOR SYMBOLIZING SAFETY
- EVEN IN SITUATIONS WHERE REPEATED DISASSEMBLY AND INSTALLATION ARE REQUIRED ON-SITE, SAFETY REMAINS THE PARAMOUNT PRIORITY.



Product composition

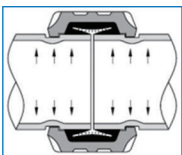
The coupling consists of the housing, bolts and nuts and a sealing ring.



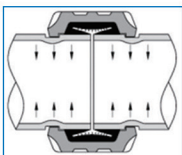
COUPLING CHARACTERISTIC

ReSafe

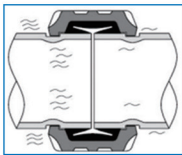
- 1: THE DESIGN EMPLOYS A FLAT MOUTH TYPE, UTILIZING THE CLEARANCE BETWEEN THE JOINT KEY SHOULDER AND THE PIPELINE TO MEET FLEXIBILITY REQUIREMENTS. IT ALLOWS FOR A CERTAIN DEGREE OF ANGULAR, LINEAR, AND ROTATIONAL MOVEMENT AT EACH CONNECTION POINT TO ACCOMMODATE AND ABSORB EXPANSION/CONTRACTION, SUBSIDENCE, VIBRATION, NOISE, AND OTHER PIPELINE SYSTEM MOVEMENTS. THIS REPRESENTS A UNIVERSAL, ECONOMICAL, SAFE, AND CONVENIENT METHOD OF PIPELINE CONNECTION.
- 2: THE C-SHAPED SEALING RING IS UTILIZED. THE HOUSING OF THE JOINT PROVIDES A SEALED CAVITY FOR THE SEALING RING, WHILE PRECISELY POSITIONING THE SEALING RING TO ACHIEVE THE SEALING EFFECT. THE KEY OF THE HOUSING FULLY ENGAGES WITH THE ENTIRE CIRCUMFERENTIAL GROOVE OF THE PIPELINE, FORMING AN INTEGRAL UNIT THAT ENSURES A SECURE AND ROBUST CONNECTION.



POSITIVE PRESSURE



BACK PRESSURE



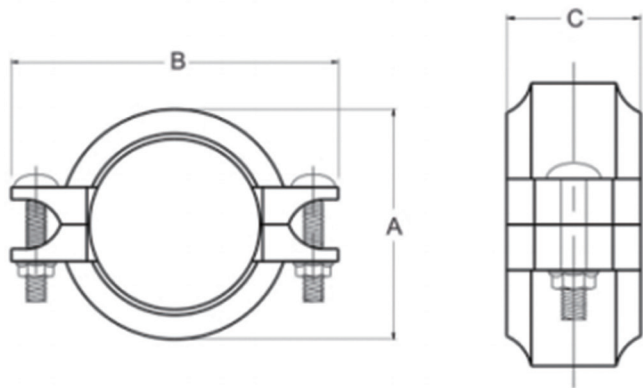
BUFFER

The advantages of coupling connection: Excellent Corrosion Resistance、Long Service Life、Tolerance for Installation Deviations

Product

Series

drawing

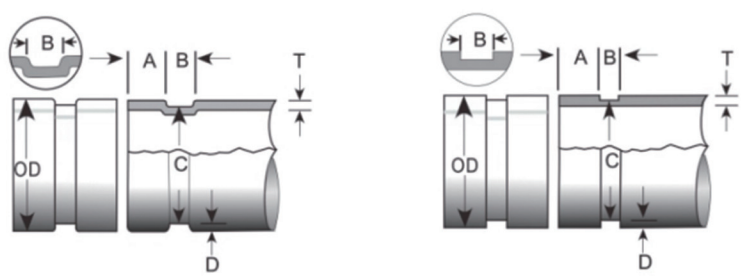


Professional Coupling for Membrane technology water treatment						
specification pressure	300&450PSI			600PSI		
	model	dimension(mm)	material	model	dimension(mm)	material
DN20/0.75"-26.9mm	RS-L-20*26.9	A:47 B:85 C:42	cast iron SUS304 SUS316 (optional material)	RS-M-20*26.9	A:47 B:82 C:42	SUS304 SUS316 (optional material)
DN25/1"-32mm	RS-L-25*32	A:54 B:89 C:42		RS-M-25*32	A:55 B:89 C:42	
DN25/1"-33.7mm	RS-L-25*33.7	A:54 B:89 C:42		RS-M-25*33.7	A:55 B:89 C:42	
DN32/1.25"-38mm	RS-L-32*38	A:58 B:96 C:43		RS-M-32*38	A:63 B:98 C:43	
DN32/1.25"-42.4mm	RS-L-32*42.4	A:65 B:100 C:43		RS-M-32*42.4	A:65 B:100 C:43	
DN40/1.5"-48.3mm	RS-L-40*48.3	A:68 B:106 C:43		RS-M-40*48.3	A:71 B:108 C:44	
DN50/2"-57mm	RS-L-50*57	A:78 B:118 C:43		RS-M-50*57	A:80 B:121 C:44	
DN50/2"-60.3mm	RS-L-50*60.3	A:78 B:118 C:43		RS-M-50*60.3	A:83 B:121 C:44	
DN65/2.5"-73mm	RS-L-65*73	A:95 B:136 C:44		RS-M-65*73	A:95 B:130 C:45	
DN65/2.5"-76.1mm	RS-L-65*76.1	A:95 B:136 C:44		RS-M-65*76.1	A:100 B:135 C:45	
DN80/3"-88.9mm	RS-L-80*88.9	A:110 B:151 C:44		RS-M-80*88.9	A:112 B:155 C:45	
DN100/4"-108mm	RS-L-100*108	A:131 B:180 C:48		RS-M-100*108	A:135 B:186 C:48	
DN100/4"-114mm	RS-L-100*114	A:141 B:189 C:48	RS-M-100*114	A:145 B:185 C:48		
Professional Coupling for Membrane technology water treatment						
specification pressure	1000&1200PSI			1500~2320PSI		
	model	dimension(mm)	material	model	dimension(mm)	material
DN20-0.75"-26.9mm	RS-H-20*26.9	A:48 B:88 C:43				
DN25/1"-32mm	RS-H-25*32	A:55 B:87 C:44	SUS316 SUS2205 (optional material)	RS-SH-25*33.7	A:67 B:104 C:47	SUS2507
DN25/1"-33.7mm	RS-H-25*33.4	A:55 B:87 C:44				
DN32/1.25"-38mm	RS-H-32*38	A:65 B:100 C:44				
DN32/1.25"-42.4mm	RS-H-32*42.4	A:65 B:100 C:44				
DN40/1.5"-48.3mm	RS-H-40*48.3	A:72 B:102 C:44		RS-SH-40*48.3	A:82 B:136 C:47	
DN50/2"-57mm	RS-H-50*57	A:85 B:121 C:44		RS-SH-50*60.3	A:96 B:150 C:47	
DN50/2"-60.3mm	RS-H-50*60.3	A:85 B:121 C:44				
DN65/2.5"-73mm	RS-H-65*73	A:98 B:136 C:45		RS-SH-65*73	A:113 B:176 C:48	
DN65/2.5"-76.1mm	RS-H-65*76.1	A:102 B:140 C:45		RS-SH-65*76.1	A:118 B:180 C:48	
DN80/3"-88.9mm	RS-H-80*88.9	A:115 B:164 C:45		RS-SH-80*88.9	A:130 B:190 C:48	
DN100/4"-108mm	RS-H-100*108	A:138 B:190 C:52		RS-SH-100*114	A:161 B:216 C:54	
DN100/4"-114mm	RS-H-100*114	A:150 B:206 C:52				

Matching

tube

Attachment



Professional short tube for membrane water treatment

The international standard specification for grooved pipes

Specification	basic dimension		A(mm) Sealing ring dimension	B(mm) Groove width	Groove pipe dimension			T(mm) Pipe wall thickness
	OD	Tolerance(mm)			Diameter (mm)	Tolerance (mm)	Depth(mm)	
DN20	26.9	±0.25	15.88	7.95	23.83	-0.38	1.42	2.87
DN25	32	±0.33	15.88	7.95	28.9	-0.38	1.60	3.38
DN25	33.7	±0.33	15.88	7.95	30.23	-0.38	1.60	3.38
DN32	38	±0.41	15.88	7.95	34.8	-0.38	1.60	3.56
DN32	42.4	±0.41	15.88	7.95	38.99	-0.38	1.60	3.56
DN40	48.3	±0.48	15.88	7.95	45.09	-0.38	1.60	3.68
DN50	57	±0.61	15.88	7.95	53.85	-0.38	1.60	3.91
DN50	60.3	±0.61	15.88	7.95	57.15	-0.38	1.60	3.91
DN65	73	±0.74	15.88	7.95	69.09	-0.46	1.98	4.78
DN65	76.1	±0.74	15.88	7.95	72.26	-0.46	1.98	4.78
DN80	88.9	+0.89, -0.79	15.88	7.95	84.94	-0.46	1.98	4.78
DN100	108	+0.89, -0.79	15.88	9.53	103.73	-0.51	2.11	5.16
DN100	114	+0.89, -0.79	15.88	9.53	110.08	-0.51	2.11	5.16
DN125	133	+1.0, -0.79	15.88	9.53	129.13	-0.51	2.11	5.16
DN125	139.7	+1.0, -0.79	15.88	9.53	135.5	-0.51	2.11	5.16
DN125	141.3	+1.0, -0.79	15.88	9.53	137.03	-0.51	2.13	5.16
DN150	159	+1.0, -0.79	15.88	9.53	154.5	-0.56	2.16	5.56
DN150	168.3	+1.60, -0.79	15.88	9.53	163.96	-0.56	2.16	5.56
DN200	219.1	+1.60, -0.79	19.05	11.13	214.4	-0.64	2.34	6.05
DN250	273	+1.60, -0.79	19.05	12.7	268.28	-0.69	2.39	6.35
DN300	323.9	+1.60, -0.79	19.05	12.7	318.29	-0.76	2.77	7.09

The international standard specification for slotted pipes

Specification	basic dimension		A(mm) Sealing ring dimension	B(mm) Groove width	Groove pipe dimension			T(mm) Pipe wall thickness
	OD	Tolerance(mm)			Diameter (mm)	Tolerance (mm)	Depth(mm)	
DN20	26.9	±0.25	15.88	7.95	23.83	-0.38	1.42	2.87
DN25	32	±0.33	15.88	7.95	28.9	-0.38	1.60	3.38
DN25	33.7	±0.33	15.88	7.95	30.23	-0.38	1.60	3.38
DN32	38	±0.41	15.88	7.95	34.8	-0.38	1.60	3.56
DN32	42.4	±0.41	15.88	7.95	38.99	-0.38	1.60	3.56
DN40	48.3	±0.48	15.88	7.95	45.09	-0.38	1.60	3.68
DN50	57	±0.61	15.88	7.95	53.85	-0.38	1.60	3.91
DN50	60.3	±0.61	15.88	7.95	57.15	-0.38	1.60	3.91
DN65	73	±0.74	15.88	7.95	69.09	-0.46	1.98	4.78
DN65	76.1	±0.74	15.88	7.95	72.26	-0.46	1.98	4.78
DN80	88.9	+0.89, -0.79	15.88	7.95	84.94	-0.46	1.98	4.78
DN100	108	+0.89, -0.79	15.88	9.53	103.73	-0.51	2.11	5.16
DN100	114.3	+0.89, -0.79	15.88	9.53	110.08	-0.51	2.11	5.16
DN125	133	+1.0, -0.79	15.88	9.53	129.13	-0.51	2.11	5.16
DN125	139.7	+1.0, -0.79	15.88	9.53	135.5	-0.51	2.11	5.16
DN125	141.3	+1.0, -0.79	15.88	9.53	137.03	-0.51	2.13	5.16
DN150	159	+1.0, -0.79	15.88	9.53	154.5	-0.56	2.16	5.56
DN150	168.3	+1.60, -0.79	15.88	9.53	163.96	-0.56	2.16	5.56
DN200	219.1	+1.60, -0.79	19.05	11.13	214.4	-0.64	2.34	6.05
DN250	273	+1.60, -0.79	19.05	12.7	268.28	-0.69	2.39	6.35
DN300	323.9	+1.60, -0.79	19.05	12.7	318.29	-0.76	2.77	7.09

ReSafe



WhatsApp

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Application reality



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