STAINLESS STEEL GROOVED COUPLINGS

RIGID



Available Sizes
• 1" through 12"

Pipe Material
• Stainless steel, Schedule 10 & 40

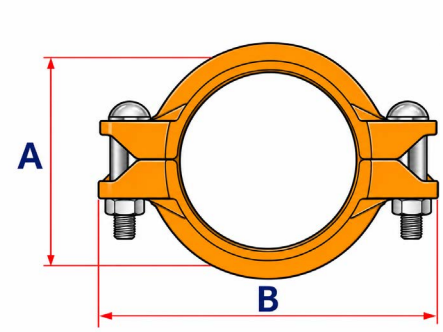
Maximum Working Pressure
• Up to 300 psi/20 bar

Housing Sections: 304 Stainless Steel

Gasket: EPDM

Function
•Connects grooved end stainless steel pipes to create a secure, leak-tight connection.
•Provides a rigid pipe joint to restrict axial, angular, and rotational movement.
•Allows fast installation without welding or threading

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Item Number	Nominal Size in/mm	Pipe OD in/mm	Max. End Load lbs/kM	Allowable Pipe End Separation in/mm	A in/mm	B in/mm	C in/mm	Bolt Size in/mm	Wrench Size in/mm	Weight lb/Kg
7014001	1"	1.34	0.11	0.05	2.24	3.78	1.73			1.12
	25	34.0	2.9	1.3	57	96	44	M10 x 50	17	0.51
7014002	1-1/4"	1.68	0.18	0.06	2.56	4.17	1.73			1.28
	32	42.7	4.6	1.6	65	106	44	M10 x 50	17	0.58
7014003	1-1/2"	1.91	0.23	0.06	2.80	4.37	1.73			1.46
	40	48.6	5.9	1.6	71	111	44	M10 x 50	17	0.66
7014004	2"	2.38	0.36	0.06	3.31	5.08	1.77			1.81
	50	60.5	9.2	1.6	84	129	45	M10 x 50	17	0.82
7014005	2-1/2"	3.0	0.57	0.06	3.94	5.79	1.81			2.29
	65	76.3	14.6	1.6	100	147	46	M10 x 55	17	1.04
7014006	3"	3.5	0.79	0.06	4.41	6.50	1.85			2.73
	80	89.1	20.0	1.6	112	165	47	M12 x 75	19	1.24
7014007	4"	4.5	1.29	0.13	5.59	7.80	2.01			4.12
	100	114.3	32.8	3.2	142	198	51	M12 x 75	19	1.87
7014008	5"	5.5	1.45	0.13	6.73	9.21	2.01			5.29
	125	139.8	36.8	3.2	171	234	51	M16 x 75	24	2.4
7014009	6"	6.5	2.02	0.13	7.95	10.6	2.01			9.94
	150	165.2	51.4	3.2	202	270	51	M16 x 90	24	4.51
7014010	8"	8.5	3.47	0.13	10.28	13.78	2.40			18.17
	200	216.3	88.2	3.2	261	350	61	M24 x 140	32	8.24
7014011	10"	10.5	4.42	0.13	12.40	15.75	2.56			18.70
	250	267.4	112.3	3.2	315	400	65	M24x 140	32	8.48
7014012	12"	12.5	6.28	0.13	14.57	18.15	2.65			26.94
	300	318.5	159.4	3.2	370	461	65	M24 x 170	32	12.22

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

STAINLESS STEEL GROOVED COUPLINGS
FLEXIBLE



Available Sizes
• 1" through 12"

Pipe Material
• Stainless steel, Schedule 10 & 40

Maximum Working Pressure
• Up to 300 psi/20 bar

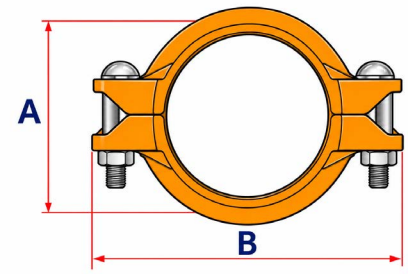
Housing Sections: 304 Stainless Steel

Gasket: EPDM

Function
•Connects grooved end stainless steel pipes to create a secure, leak-tight connection.
•Provides a flexible pipe joint that accomodates axial, and rotational movement.
•Helps accommodate thermal expansion, contraction and vibration
•Allows fast installation without welding or threading

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Item Number	Nominal Size in/mm	Pipe OD in/mm	Max. End Load lbs/kM	Allowable Pipe End Separation in/mm	DIMENSIONS A in/mm	B in/mm	C in/mm	Bolt Size in/mm	Wrench Size in/mm	Weight lb/Kg
7014015	1"	1.34	0.11	0.05	2.24	3.78	1.73			1.12
	25	34.0	2.9	1.3	57	96	44	M10 x 50	17	0.51
7014016	1-1/4"	1.68	0.18	0.06	2.56	4.17	1.73			1.28
	32	42.7	4.6	1.6	65	106	44	M10 x 50	17	0.58
7014017	1-1/2"	1.91	0.23	0.06	2.80	4.37	1.73			1.46
	40	48.6	5.9	1.6	71	111	44	M10 x 50	17	0.66
7014018	2"	2.38	0.36	0.06	3.31	5.08	1.77			1.81
	50	60.5	9.2	1.6	84	129	45	M10 x 50	17	0.82
7014019	2-1/2"	3.0	0.57	0.06	3.94	5.79	1.81			2.29
	65	76.3	14.6	1.6	100	147	46	M10 x 55	17	1.04
7014020	3"	3.5	0.79	0.06	4.41	6.50	1.85			2.73
	80	89.1	20.0	1.6	112	165	47	M12 x 75	19	1.24
7014021	4"	4.5	1.29	0.13	5.59	7.80	2.01			4.12
	100	114.3	32.8	3.2	142	198	51	M12 x 75	19	1.87
7014022	5"	5.5	1.45	0.13	6.73	9.21	2.01			5.29
	125	139.8	36.8	3.2	171	234	51	M16 x 75	24	2.4
7014023	6"	6.5	2.02	0.13	7.95	10.6	2.01			9.94
	150	165.2	51.4	3.2	202	270	51	M16 x 90	24	4.51
7014024	8"	8.5	3.47	0.13	10.28	13.78	2.40			18.17
	200	216.3	88.2	3.2	261	350	61	M24 x 140	32	8.24
7014025	10"	10.5	4.42	0.13	12.40	15.75	2.56			18.70
	250	267.4	112.3	3.2	315	400	65	M24x 140	32	8.48
7014026	12"	12.5	6.28	0.13	14.57	18.15	2.65			26.94
	300	318.5	159.4	3.2	370	461	65	M24 x 170	32	12.22

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

STAINLESS STEEL GROOVED ELBOWS

Available Sizes
• 1-1/2" through 12"

Pipe Material
• Stainless steel 304, Schedule 10

Maximum Working Pressure
• Up to 300 psi/20 bar

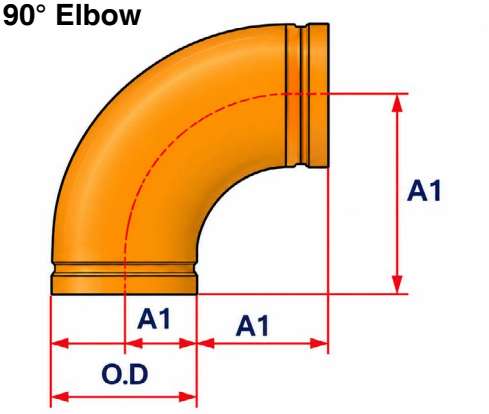


Function
•Connects two pipes within a grooved piping system.
•Changes the direction of flow, typically by 45° or 90°.
•Provides a secure connection using standard or flexible grooved couplings.

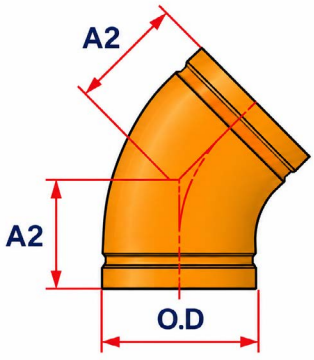
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90° Elbow



45° Elbow



Item Number	Nominal Size in/mm	Pipe OD in/mm	Wall Thick in/mm	90 Elbow		45 Elbow	
				A1 in/mm	Weight lb/Kg	A1 in/mm	Weight lb/Kg
7014042	1-1/2"	1.91	0.11"	3.0	0.88	1.85	.66
	40	48.6	2.8	77	0.4	47	0.3
7014043	2"	2.38	.0118"	3.7	1.32	2.13	.66
	50	60.5	3.0	94	0.6	54	0.3
7014044	2-1/2"	3.0	.0118"	4.3	1.98	2.36	1.10
	65	76.3	3.0	110	0.9	60	0.5
7014045	3"	3.5	.0118"	5.0	2.87	2.80	1.54
	80	89.1	3.0	129	1.3	71	0.7
7014046	4"	4.5	.0134	6.3	4.63	3.30	2.43
	100	114.3	3.4	160	2.1	84	1.1
7014047	5"	5.5	.0134	7.5	7.72	3.90	3.97
	125	139.8	3.4	191	3.5	99	1.8
7014048	6"	6.5	.0157	9.0	10.80	4.53	5.51
	150	165.2	4.0	229	4.9	115	2.5
7014049	8"	8.5	.0157	12.0	22.27	5.91	11.02
	200	216.3	4.0	305	10.1	150	5.0
7014050	10"	10.5	.0177	15.0	34.61	7.13	16.53
	250	267.4	4.5	381	15.7	181	7.5
7014051	12"	12.5	.0177	18.0	55.78	8.62	26.68
	300	318.5	4.5	457	25.3	219	12.1

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

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STAINLESS STEEL GROOVED TEES
STANDARD RADIUS

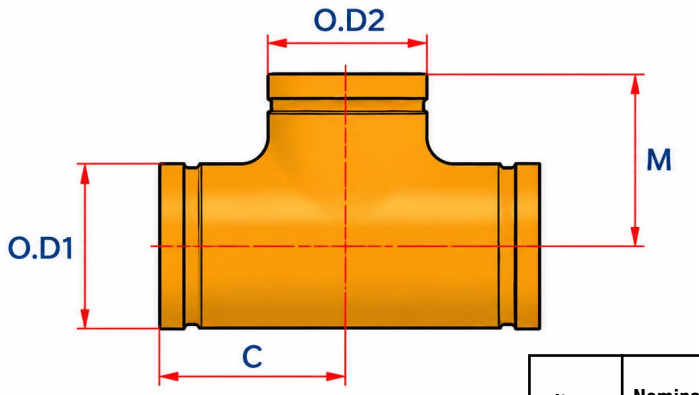


Available Sizes
• 2" through 12"

Pipe Material
• Stainless steel 304, Schedule 10

Maximum Working Pressure
• Up to 300 psi/20 bar

Function
•Connects three pipes within a grooved piping system.
•Provides a 90° branch connection from the main pipeline.
•Allows distribution or redirection of flow using standard & flexible grooved couplings.



Item Number	Nominal Size in/mm	Center to End		Run		Outlet		Weight lb/Kg
		C in/mm	M in/mm	O.D1 in/mm	Wall Thick in/mm	O.D2 in/mm	Wall Thick in/mm	
7014094	2"	3.25"	3.25"	2.382"	0.11"	2.382"	0.11"	2.0
		81	81	60.5	2.8	60.5	2.8	0.9
7014095	2-1/2"	3.75"	3.75"	3"	.0118"	3"	.0118"	2.87
		94	94	76.3	3.0	76.3	3.0	1.3
7014096	3"	4.0"	4.0"	3.5"	.0118"	3.5"	.0118"	3.75
		101	101	89.1	3.0	89.1	3.0	1.7
7014097	4"	5.0"	5.0"	4.5"	.0118"	4.5"	.0118"	5.73
		125	125	114.3	3.0	114.3	3.0	2.6
7014098	5"	5.75"	5.75"	5.5"	.0134	5.5"	.0134	9.26
		146	146	141.3	3.4	141.3	3.4	4.2
701409	6"	6.5"	6.5"	6.5"	.0134	6.5"	.0134	12.32
		165	165	165.2	3.4	165.2	3.4	5.6
7014100	8"	8.0"	8.0"	8.625"	.0157	8.625"	.0157	23.37
		205	205	219.1	4.0	219.1	4.0	10.6
70140101	10"	9.5"	9.5"	10.75"	.0157	10.75"	.0157	33.95
		242	242	273.0	4.0	273.0	4.0	15.4
7014102	12"	11"	11"	12.75"	.0177	12.75"	.0177	52.03
		279	279	323.9	4.5	323.9	4.5	23.6

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

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STAINLESS STEEL GROOVED CONCENTRIC REDUCERS



Available Sizes
- 2" through 16"

Pipe Material
- Stainless steel 304, Schedule 10.

Maximum Working Pressure
- Up to 300 psi/20 bar

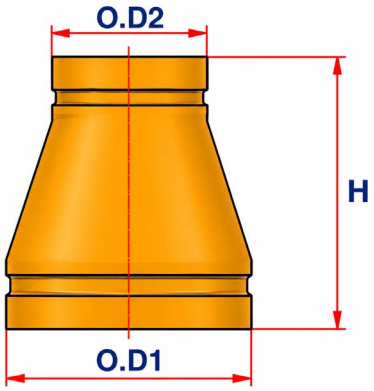
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Function
- Connects two different pipe sizes within a grooved piping system.
- Provides a smooth transition between pipe diameters while maintaining a common centerline
- Allows connection using standard grooved couplings.

Item Number	Nominal Size in/mm	End to End H in/mm	Large End		Small End		Weight lb/Kg
			O.D. 1 in/mm	Wall Thickness in/mm	O.D. 2 in/mm	Wall Thickness in/mm	
7014156	2" x -1/2"	4.5"	3"	0.118	2.382	0.110	1.1
	65 x 50	113	76.3	3.0	60.5	2.8	0.5
7014159	3" x 2"	4.75"	3.5"	0.118	2.382	0.110	1.32
	80 x 50	120	89.1	3.0	60.5	2.8	0.6
7014160	3" x 2-1/2"	4.75"	4.5"	0.118	2.874	0.118	1.32
	80 x 65	120	114.3	3.0	73.0	3.0	0.6
7014161	4" x 2"	5.25"	4.5	0.118	2.382	0.118	1.76
	100 x 50	135	114.3	3.0	60.5	3.0	0.8
7014162	4" x 2-1/2"	5.25"	5.5"	0.118	3.00	0.118	3.09
	100 x 65	135	139.8	3.0	76.3	3.0	1.4
7014163	4" x 3"	5.25"	5.5"	0.118	6.5	0.118	3.09
	100 x 80	135	139.8	3.0	89.1	3.0	1.4
7014165	5" x 3"	6.25"	5.5"	0.134	6.5	0.118	3.31
	125 x 80	161	139.8	3.4	89.1	3.0	1.5
7014166	5" x 4"	6.25"	5.5"	0.134	4.5	0.118	3.75
	125 x 100	161	141.3	3.4	114.3	3.0	1.7
7014168	6" x 3"	6.75"	6.5"	0.134	4.5	0.118	3.97
	150 x 80	171	165.2	3.4	89.1	3.0	1.8
7014169	6" x 4"	6.75"	6.5"	0.134	5.5	0.118	4.41
	150 x 100	171	165.2	3.4	114.3	3.0	2.0
7014169	6" x 5"	6.75"	8.5"	0.157	5.5	0.118	6.61
	200 x 100	171	165.2	4.0	114.3	3.0	3.0
7014172	8" x 4"	7.5"	8.5"	0.157	6.625	0.118	6.83
	200 x 125	191	216.3	4.0	168.3	3.0	3.1
7014174	8" x 6"	8.6"	8.5	0.157	5.5	0.134	7.28
	200 x 150	220	216.3	4.0	141.3	3.4	3.3
7014176	10" x 6"	8.6"	10.5"	0.157	6.5	0.134	9.7
	250 x 150	220	267.4	4.0	165.2	3.4	4.4

Item Number	Nominal Size in/mm	End to End H in/mm	O.D. 1 in/mm	Wall Thick in/mm	O.D. 2 in/mm	Wall Thick in/mm	Weight lb/Kg
7014177	10" x 8"	8.66	10.5	.157	8.5	.157	10.5
	250 x 150	220	267.4	4.0	216.3	4.0	4.8
7014179	12" x 6"	9.5	12.5	.177	6.5	.177	14.1
	300 x 150	240	318.5	4.5	165.2	4.5	6.4
7014180	12" x 8"	9.5	14.0	.177	8.5	.177	15
	300 x 200	240	355.6	4.5	216.3	4.5	6.8
7014181	12" x 10"	9.5	12.5	.177	10.5	.177	16
	300 x 250	240	318.5	4.5	267.4	4.5	7.2
7014181A	14" x 10"	13	14.0	.189	10.5	.189	24
	350 x 250	330.2	355.6	4.8	267.4	4.8	11.2
7014181B	14" x 12"	13	14.0	.189	12.5	.189	26
	350 x 300	330.2	355.6	4.8	318.5	4.8	12.1
7014181C	16" x 12"	14	16.0	.189	12.5	.189	29
	400 x 300	355.6	406.4	4.8	318.5	4.8	13.2
7014181D	16" x 14"	14	16.0	.189	14.0	.189	30
	400 x 350	355.6	406.4	4.8	355.6	4.8	13.6



System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

STAINLESS STEEL GROOVED END CAPS



Available Sizes
- 1-1/2" through 12"

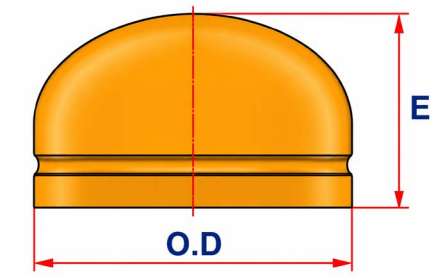
Pipe Material
- Stainless steel 304, Schedule 10.

Maximum Working Pressure
- Up to 300 psi/20 bar

Function
- Caps and seals the end of stainless steel grooved piping systems.
- Provides a secure, leak-tight termination when installed with an approved grooved coupling.

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Item Number	Nominal Size in/mm	Pipe O.D. in/mm	E in/mm	Wall Thickness in/mm	Weight Lbs Kg
7014126	1-1/2"	1.913	1.78	0.110	0.44
	40	48.6	45	2.8	0.2
7014127	2"	2.375	2	0.110	0.44
	50	60.3	50	2.8	0.2
7014128	2-1/2"	2.875	2.2	0.118	0.88
	65	73	55	3.0	0.4
7014129	3"	3.5	2.6	0.118	1.1
	80	88.9	65	3.0	0.5
7014130	4"	4.5	2.9	0.134	1.5
	100	114.3	74	3.4	0.7
7014132	6"	5.56	3.5	0.134	3
	150	141.3	90	3.4	1.4
7014133	8"	6.625	4.0	0.157	8.8
	200	168.3	101.6	4.0	4.0
7014134	10"	8.625	5.0	0.177	8.8
	250	219.1	127	4.5	4.0
7014135	12"	10.75	6.0	0.189	14.1
	300	267.4	152.4	4.8	6.4

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	