GROOVED COUPLINGS

Style GC100
Std. Rigid Coupling

Style GC102
Std. Flexible Coupling

Style GC101
Heavy Duty Flexible Coupling

Style GCR
Reducing Coupling

Style GC104
High Pressure Coupling

Style GCFA
Split Flange Adaptor

Specification:

GROOVED COUPLINGS

Coupling Housing:

Material D.I. ASTM – A536, Grade 65- 45-12

Nuts & Bolts:

Conform to ASTM A- 183 and plated to ASTM B – 633

Fittings:

Material D.I. to ASTM A-536, Grade 65 -45 -12

Gaskets:

Grade	Compound	Temp.Range	Color Code	Rubber compound	General Service Recommendations
E	EPDM	-40～260°F/-40～125°C	Green	EPDM	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. NOT RECOMMENDED FOR PETROLEUM SERVICES.
N	Nitrile	-20～185°F/-30～85°C	Orange	NBR	Recommended for petroleum products, hydrocarbons, air with oil vapors, vegetable and mineral oils within the specified temperature range; NOT recommended for hot dry air over +140°F/+60°C and water over +150°F/+66°C. NOT RECOMMENDED FOR HOT WATER SERVICES.

* Due to the continuous development of our products, design or construction may change without prior notice.

GROOVED COUPLINGS

Std. Rigid Coupling
Style GC100

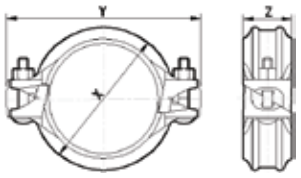
LISTED FM APPROVED LISTED TFRI Approved

- 60° angle pad design provides rigidity
- Resists flexural and torsional loads
- Galvanized coat available upon request
- Size:DN25~DN300
  1"~12"

Size		Max.Work	Max.End	Allow.Pipe	Dimensions			Bolt	Approx.
Nominal Dia.	Actual O.D.	Pressure &	Load &	End Sep.&	X	Y	Z	Size	Wgt.Each
DN	mm	kpa	N	mm	mm	mm	mm	mm	kg
Inches	Inches	psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Lbs.
25	33.4	5175	4532	2.20	55	98	45	M10×50	0.6
1	1.315	750	1018	0.09	2.17	3.86	1.77	⅜×2	1.3
32	42.4	5175	7303	2.20	60	107	45	M10×50	0.6
1¼	1.660	750	1622	0.09	2.36	4.21	1.77	⅜×2	1.3
40	48.3	5175	9477	2.20	71	114	45	M10×50	0.7
1½	1.900	750	2125	0.09	2.80	4.49	1.77	⅜×2	1.4
50	60.3	5175	14771	2.20	85	128	47	M10×50	0.8
2	2.375	750	3321	0.09	3.35	5.04	1.85	⅜×2	1.8
65	73.0	5175	21648	2.70	97	143	48	M10×55	1.1
2½	2.875	750	4866	0.11	3.82	5.63	1.89	⅜×2	2.4
65	76.1	5175	23526	2.70	100	147	48	M10×55	1.1
30D	3.000	750	5299	0.11	3.94	5.79	1.89	⅜×2¼	2.4
80	88.9	5175	32106	2.70	113	161	48	M10×55	1.2
3	3.500	750	7212	0.11	4.45	6.34	1.89	⅜×2¼	2.6
100	108.0*	5175	47384	4.70	134	188	53	M10×60	1.6
4¼0D	4.250	750	10634	0.19	5.28	7.40	2.09	⅜×2½	3.5
100	114.3	5175	53073	4.70	143	195	53	M10×60	1.6
4	4.500	750	11922	0.19	5.63	7.68	2.09	⅜×2½	3.5
125	133.0*	5175	71859	4.70	165	212	53	M12×75	2.2
5¼0D	5.250	750	16227	0.19	6.50	8.35	2.09	½×3	4.9
125	139.7	5175	79282	4.70	170	230	53	M12×75	2.3
5½0D	5.500	750	17810	0.19	6.69	9.06	2.09	½×3	5.1
125	141.3	5175	81108	4.70	172	230	53	M12×75	2.3
5	5.563	750	18220	0.19	6.77	9.06	2.09	½×3	5.1
150	159.0*	5175	102701	4.70	190	247	53	M12×75	2.5
6¼0D	6.250	750	22998	0.19	7.48	9.72	2.09	½×3	5.5
150	165.1	5175	110732	4.70	198	259	52	M12×75	2.6
6½0D	6.500	750	24875	0.19	7.80	10.20	2.05	½×3	5.7
150	168.3	5175	115066	4.70	200	265	54	M12×75	2.7
6	6.625	750	25841	0.19	7.87	10.43	2.13	½×3	6.0
200A	216.3#	4140	152049	5.90	253	321	59	M20×110	4.6
8	8.500	600	34030	0.23	9.96	12.64	2.32	¾×4¼	10.1
200	219.1	4130	155634	5.90	260	354	59	M20×110	4.7
8	8.625	600	35038	0.23	10.24	13.94	2.32	¾×4¼	10.4
250A	267.4#	3450	193647	6.40	312	402	63	M20×110	5.9
10	10.525	500	43479	0.25	12.28	15.83	2.48	¾×4¼	13.0
250	273.0	3450	201843	6.40	315	406	63	M20×110	6.0
10	10.750	500	45358	0.25	12.40	15.98	2.48	¾×4¼	13.2
300A	318.5#	2750	218988	6.40	362	457	64	M20×110	7.8
12	12.525	400	49259	0.25	14.25	17.99	2.52	¾×4¼	17.2
300	323.9	2750	226477	6.40	368	462	64	M20×110	8.0
12	12.750	400	51045	0.25	14.49	18.19	2.52	¾×4¼	17.6

- Standard rigid coupling is a rigid coupling, does not absorb stress by temperature changes.
- Listed pressure is maximum working pressure, for fire protection application, approved pressure by related authorities should be used.
  UL/ULC：300si（2065kPa/21bars）
  FM：300Psi（2065kPa/21bars）
  TFRI performance test: 2.5MPa(25kgf/cm^2)

& Please refer to General Declaration on page 29.
* DIN and GB sizes.
\# JIS standard sizes.



TYPICAL FOR ALL SIZES

GROOVED COUPLINGS

Std. Flexible Coupling
Style GC102

TFRI Approved

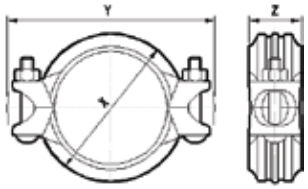
- Standard flexible design
- Suitable for medium pressure system
- Galvanized coat available upon request
- Size:DN25~DN300
  1"~12"

Size		Max.Work	Max.End	Allow.Pipe	Dimensions			Bolt	Approx.
Nominal Dia.	Actual O.D.	Pressure[&]	Load[&]	End Sep.[&]	X	Y	Z	Size	Wgt. Each
DN	mm	kpa	N	mm	mm	mm	mm	mm	kg
Inches	Inches	psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Lbs.
25	33.4	5175	4532	0–2.2	55	101	45	M10×50	0.5
1	1.315	750	1018	0–0.08	2.17	3.98	1.77	⅜×2	1.1
32	42.4	5175	7303	0–2.2	64	111	45	M10×50	0.6
1¼	1.660	750	1622	0–0.08	2.52	4.37	1.77	⅜×2	1.3
40	48.3	5175	9477	0–2.2	70	117	45	M10×50	0.7
1½	1.900	750	2125	0–0.08	2.76	4.61	1.77	⅜×2	1.4
50	60.3	5175	14771	0–2.6	87	131	47	M10×50	0.8
2	2.375	750	3321	0–0.10	3.43	5.16	1.85	⅜×2	1.8
65	73.0	5175	21648	0–2.9	101	150	49	M10×55	1.0
2½	2.875	750	4866	0–0.11	3.98	5.91	1.93	⅜×2½	2.2
65	76.1	5175	23526	0–2.9	104	153	49	M10×55	1.1
3OD	3.000	750	5299	0–0.11	4.09	6.02	1.93	⅜×2¼	2.4
80	88.9	5175	32106	0–3.1	118	165	49	M10×55	1.2
3	3.500	750	7212	0–0.12	4.65	6.50	1.93	⅜×2¼	2.6
90	101.6	5175	41934	0–3.5	133	181	51	M12×75	1.7
3½	4.000	750	9420	0–0.13	5.24	7.13	2.01	½×3	3.7
100	108.0*	5175	47384	0–3.5	142	197	53	M12×75	1.8
4¼OD	4.250	750	10634	0–0.13	5.59	7.76	2.09	½×3	4.0
100	114.3	5175	53073	0–3.7	147	201	53	M12×75	1.9
4	4.500	750	11922	0–0.14	5.79	7.91	2.09	½×3	4.2
125	133.0*	5175	71859	0–4.0	168	236	51	M16×90	2.3
5¼OD	5.250	750	16227	0–0.15	6.61	9.29	2.01	⅝×3½	5.1
125	139.7	5175	79282	0–4.0	174	241	53	M16×90	2.5
5½OD	5.500	750	17810	0–0.15	6.85	9.49	2.09	⅝×3½	5.5
125	141.3	5175	81108	0–4.0	176	243	53	M16×90	2.5
5	5.563	750	18220	0–0.15	6.93	9.57	2.09	⅝×3½	5.5
150	159.0*	5175	102701	0–4.7	201	267	53	M16×90	2.8
6¼OD	6.250	750	22998	0–0.18	7.91	10.51	2.09	⅝×3½	6.2
150	165.1	5175	110732	0–4.7	205	271	53	M16×90	2.9
6½OD	6.500	750	24875	0–0.18	8.07	10.67	2.09	⅝×3½	6.4
150	168.3	5175	115066	0–4.7	205	286	53	M16×90	3.1
6	6.625	750	25841	0–0.18	8.07	11.26	2.09	⅝×3½	6.8
200	203.2	4130	133865	0–4.9	243	321	63	M20×100	5.3
8	8.000	600	30144	0–0.19	9.57	12.64	2.48	¾×4	11.7
200A	216.3#	4130	151682	0–4.9	258	330	63	M20×100	5.4
8	8.500	600	34030	0–0.19	10.16	12.99	2.48	¾×4	11.9
200	219.1	4130	155634	0–11.2	263	341	63	M20×100	5.4
8	8.625	600	35038	0–0.44	10.35	13.43	2.48	¾×4	11.9
250A	267.4#	3450	193647	0–11.2	312	391	63	M20×120	7.4
10	10.525	500	43479	0–0.44	12.28	15.39	2.48	¾×4¾	16.3
250	273.0	3450	201843	0–11.2	319	402	63	M20×120	7.5
10	10.750	500	45358	0–0.44	12.56	15.83	2.48	¾×4¾	16.5
300A	318.5#	2750	218988	0–11.2	362	449	64	M20×120	11.5
12	12.525	400	49259	0–0.44	14.25	17.68	2.52	¾×4¾	25.4
300	323.9	2750	226477	0–11.2	370	455	64	M20×120	11.9
12	12.750	400	51045	0–0.44	14.57	17.91	2.52	¾×4¾	26.2

■ Listed pressure is maximum working pressure, for fire protection application, approved pressure by related authorities should be used.
UL/ULC：300psi（2065kPa/21bars）
FM：300psi（2065kPa/21bars）
TFRI performance test：2.5MPa(25kgf/cm^2)

* DIN and GB sizes.

\# JIS standard sizes.



TYPICAL FOR ALL SIZES

GROOVED COUPLINGS

HD. Flexible Coupling
Style GC101

TFRI Approved

- Heavy duty flexible design
- Suitable for high pressure system
- Galvanized coat available upon request
- Size：DN15 ~ DN300
  ½"~12"

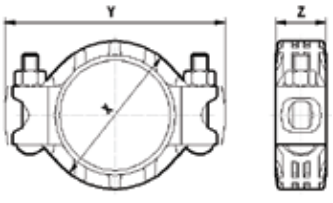
This table only list couplings in sizes equal and less than 12"/DN300.

Size		Max.Work Pressure [&]	Max.End Load [&]	Allow.Pipe End Sep.[&]	Dimensions			Bolt Size	Approx. Wgt.Each
Nominal Dia.	Actual O.D.				X	Y	Z		
DN	mm	kpa	N	mm	mm	mm	mm	mm	kg
Inches	Inches	psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Lbs.
15	21.3	10350	3686	0–2.2	42	85	45	M10×40	0.5
½	0.825	1500	801	0–0.08	1.65	3.35	1.77	⅜×1½	1.1
20	26.7	10350	5792	0–2.2	49	95	45	M10×40	0.6
¾	1.050	1500	1298	0–0.08	1.93	3.74	1.77	⅜×1½	1.3
25	33.4	10350	9064	0–2.2	55	101	45	M10×50	0.7
1	1.315	1500	2036	0–0.08	2.17	3.98	1.77	⅜×2	1.5
32	42.4	8600	12137	0–2.24	66	113	45	M12×60	0.8
1¼	1.660	1250	2704	0–0.09	2.60	4.45	1.77	½×2½	1.8
40	48.3	8600	15749	0–2.44	74	119	45	M12×60	0.9
1½	1.900	1250	3542	0–0.10	2.91	4.69	1.77	½×2½	2.0
50	60.3	8600	24547	0–2.64	89	141	47	M12×60	1.2
2	2.375	1250	5535	0–0.11	3.50	5.55	1.85	½×2½	2.6
65	73.0	6900	28865	0–2.94	100	147	49	M12×75	1.5
2½	2.875	1000	6489	0–0.12	3.94	5.79	1.93	½×3	3.3
65	76.1	6900	31368	0–2.94	106	159	49	M12×75	1.5
30D	3.000	1000	7065	0–0.12	4.17	6.26	1.93	½×3	3.3
80	88.9	6900	42808	0–2.94	120	174	49	M12×75	1.7
3	3.500	1000	9616	0–0.12	4.72	6.85	1.93	½×3	3.7
100	108.0*	6900	63178	0–3.54	140	207	51	M16×90	2.6
4¼0D	4.250	1000	14179	0–0.14	5.51	8.15	2.01	⅝×3½	4.9
100	114.3	6900	70764	0–3.54	150	218	51	M16×90	2.6
4	4.500	1000	15896	0–0.14	5.91	8.58	2.01	⅝×3½	5.7
125	133.0*	6900	95812	0–4.04	167	245	51	M20×100	3.7
5¼0D	5.250	1000	21637	0–0.16	6.57	9.65	2.01	¾×4	6.4
125	139.7	6900	105709	0–4.04	178	253	51	M20×100	3.8
5½0D	5.500	1000	23746	0–0.16	7.01	9.96	2.01	¾×4	8.4
125	141.3	6900	108144	0–4.04	180	255	51	M20×100	3.9
5	5.563	1000	24293	0–0.16	7.09	10.04	2.01	¾×4	8.6
150	159.0*	6900	136935	0–4.74	194	272	53	M20×100	4.3
6¼0D	6.250	1000	30664	0–0.19	7.64	10.71	2.09	¾×4	7.9
150	165.1	6900	147643	0–4.74	206	282	51	M20×100	4.4
6½0D	6.500	1000	33166	0–0.19	8.11	11.10	2.01	¾×4	9.7
150	168.3	6900	153422	0–4.74	208	281	51	M20×100	4.6
6	6.625	1000	34454	0–0.19	8.19	11.06	2.01	¾×4	10.1
200	219.1	5500	207261	0–4.90	269	360	63	M22×130	8.8
8	8.625	800	46717	0–0.20	10.59	14.17	2.48	⅞×5¼	19.4
250	273.0	5500	321779	0–4.90	324	439	65	M24×150	11.0
10	10.750	800	72573	0–0.20	12.76	17.28	2.56	1×6	24.3
300	323.9	5500	452954	0–4.90	378	491	65	M24×150	13.0
12	12.750	800	102089	0–0.20	14.88	19.33	2.56	1×6	28.7

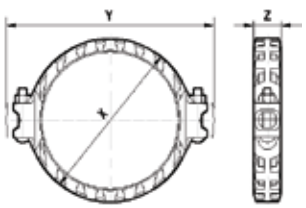
- Listed pressure is maximum working pressure, for fire protection application, approved pressure by related authorities should be used.
  UL/ULC：300psi（2065kPa/21bars）
  FM：300psi（2065kPa/21bars）

* TFRI performance test: 2.5MPa(25kgf/cm_2)

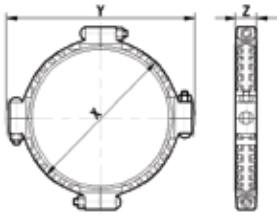
DIN and GB sizes.



DN15~DN300（½"~12"）



DN350~DN600（14"~24"）



DN700~DN1200（28"~48"）

GROOVED COUPLINGS

Reducing Coupling

Style GCR

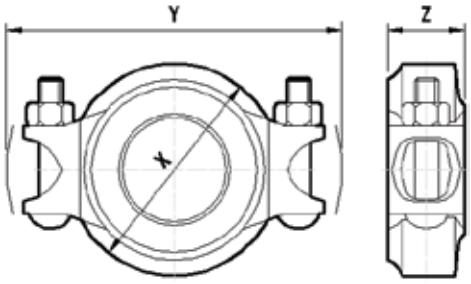
TFRI Approved

- Concentric and flexible design
- Replace a concentric reducer and 2 couplings
- Short and reinforced gasket
- Galvanized coat available upon request
- Size: DN40×32~200×150
  1½"×1¼"~8"×6"

Run Pipe	Size ×	Branch Pipe	Max.Work Pressure	Max.End Load	Allow.Pipe End Sep.	Dimensions X	Y	Z	Bolt Size	Approx. Wgt.Each
mm	×	mm	kpa	N	mm	mm	mm	mm	mm	kg
Inches		Inches	psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Lbs.
48.3	×	42.4	3450	4869	0-2.44	70	107	45	M10×50	0.7
1½		1¼	500	1082	0-0.10	2.76	4.21	1.77	⅜×2	1.5
60.3	×	42.4	3450	4869	0-2.64	85	123	47	M10×50	0.9
2		1¼	500	1082	0-0.10	3.35	4.84	1.85	⅜×2	2.0
		48.3	3450	6318	0-2.64	85	123	47	M10×50	0.9
		1½	500	1417	0-0.10	3.35	4.84	1.85	⅜×2	2.0
73.0	×	60.3	3450	9847	0-2.94	97	146	49	M12×75	1.3
2½		2	500	2214	0-0.12	3.82	5.75	1.93	½×3	2.9
76.1	×	60.3	3450	9847	0-2.94	100	150	49	M12×75	1.3
3OD		2	500	2214	0-0.12	3.94	5.91	1.93	½×3	2.9
88.9	×	60.3	3450	9847	0-3.14	113	162	49	M12×75	1.6
3		2	500	2214	0-0.12	4.45	6.38	1.93	½×3	3.5
		73.0	3450	14432	0-3.14	113	162	49	M12×75	1.5
		2½	500	3244	0-0.12	4.45	6.38	1.93	½×3	3.3
		76.1	3450	15684	0-3.14	113	162	49	M12×75	1.5
		30D	500	3533	0-0.12	4.45	6.38	1.93	½×3	3.3
114.3	×	60.3	3450	9847	0-4.04	143	202	51	M16×90	2.8
4		2	500	2214	0-0.16	5.63	7.95	2.01	⅝×3½	6.2
		73.0	3450	14432	0-4.04	143	202	51	M16×90	2.5
		2½	500	3244	0-0.16	5.63	7.95	2.01	⅝×3½	5.5
		76.1	3450	15684	0-4.04	143	202	51	M16×90	2.5
		30D	500	3533	0-0.16	5.63	7.95	2.01	⅝×3½	5.5
		88.9	3450	21404	0-4.04	143	202	51	M16×90	2.4
		3	500	4808	0-0.16	5.63	7.95	2.01	⅝×3½	5.3
139.7	×	88.9	2750	17061	0-4.04	170	238	51	M20×100	3.6
5½OD		3	400	3847	0-0.16	6.69	9.37	2.01	¾×4	7.9
		114.3	2750	28203	0-4.04	170	238	51	M20×100	3.2
		4	400	6359	0-0.16	6.69	9.37	2.01	¾×4	7.1
141.3	×	88.9	2750	17061	0-4.04	171	240	51	M20×100	3.6
5		3	400	3847	0-0.16	6.73	9.45	2.01	¾×4	7.9
		114.3	2750	28203	0-4.04	171	240	51	M20×100	3.2
		4	400	6359	0-0.16	6.73	9.45	2.01	¾×4	7.1
165.1	×	114.3	2750	28203	0-4.04	196	267	51	M20×100	4.1
6½OD		4	400	6359	0-0.16	7.72	10.51	2.01	¾×4	9.0
		139.7	2750	42130	0-4.04	196	267	51	M20×100	3.7
		5½OD	400	9499	0-0.16	7.72	10.51	2.01	¾×4	8.2
168.3	×	114.3	2750	28203	0-4.04	200	269	51	M20×100	4.2
6		4	400	6359	0-0.16	7.87	10.59	2.01	¾×4	9.3
		141.3	2750	43101	0-4.04	200	269	51	M20×100	3.8
		5	400	9717	0-0.16	7.87	10.59	2.01	¾×4	8.4
219.1	×	165.1	2750	58843	0-6.3	259	345	61	M22×130	6.9
8		6½OD	400	13267	0-0.25	10.20	13.58	2.40	⅞×5¼	15.2
		168.3	2750	61146	0-6.3	259	345	61	M22×130	6.8
		6	400	13782	0-0.25	10.20	13.58	2.40	⅞×5¼	15.0

■ Listed pressure is maximum working pressure, for fire protection application, approved pressure by related authorities should be used.

UL/ULC：300Psi（2065kPa/21bars）
FM：300Psi（2065kPa/21bars）
TFRI performance test:2.5MPa(25kgf/cm2)



TYPICAL FOR ALL SIZES

GROOVED COUPLINGS

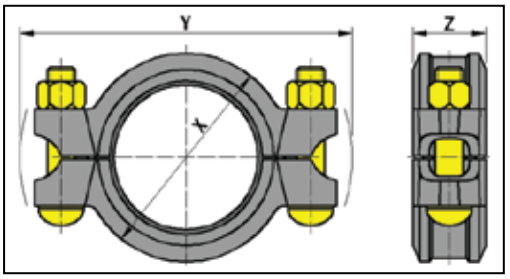
High Pressure Coupling
Style GC104

Size		Max.Work Pressure[&]	Max.End Load[&]	Allow.Pipe End.Sep.[&]	Dimension			Bolt		Approx.Wgt .each
Nominal Dia.	Actual O.D.				X	Y	Z	Size	Torque	
mm	mm	Kpa	N	mm	mm	mm	mm	mm	N.m	Kg
Inches	Inches	Psi	Lbs	Inches	Inches	Inches	Inches	Inches	Lbs	Lbs
50	60.3	10.0	28543	3.60	88	166	48	M16x90	180-240	1.4
2	2.375	1500	6417	0.14	3.46	6.54	1.89	5/8 x 3 1/2	133-178	3.1
65	73	10	41833	3.60	102	180.00	48	M16x90	180-240	1.8
2 1/2	2.875	1500	9404	0.14	4.02	7.09	1.89	5/8 x 3 1/2	133-178	4.0
65	76.1	10	45461	3.60	105	183	48	M16x90	180-240	1.9
3OD	3.000	1500	10220	0.14	4.13	7.20	1.89	5/8 x 3 1/2	133-178	4.2
80	88.9	10	62040	3.60	120	198	48	M16x90	180-240	2.2
3	3.500	1500	13947	0.14	4.72	7.80	1.89	5/8x31/2	133-178	4.8
100	108.0	10	91562	6.40	144	234	52.5	M20x100	280-360	3.5
4 1/4OD	4.250	1500	20583	0.25	5.67	9.21	2.07	3/4x4	207-267	7.7
100	114.3	10	102556	6.40	150	240	52.5	M20x100	280-360	3.6
4	4.500	1500	23055	0.25	5.91	9.45	2.07	3/4 x 4	207-267	7.9
125	133.0	10	138859	6.40	173	268	53	M22x130	400-480	4.9
5 1/4 OD	5.250	1500	31215	0.25	6.81	10.55	2.09	7/8x 5 1/8	296-356	10.8
125	139.7	10	153201	6.40	180	275	53	M22x130	400-480	5.1
5 1/2OD	5.500	1500	34440	0.25	7.09	10.83	2.09	7/8x 5 1/8	296-356	11.2
150	159.0	10	198456	6.40	202	315	53	M22x130	400-480	6.2
6 1/4OD	6.250	1500	44613	0.25	7.95	12.40	2.09	7/8 x 5 1/8	296-356	13.7
150	165.1	10	213975	6.40	208	310	53	M22x130	400-480	6.3
6 1/2OD	6.500	1500	48102	0.25	8.19	12.20	2.09	7/8x 5 1/8	296-356	13.9
150	168.3	10	222350	6.40	211	313	53	M22x130	400-480	6.4
6	6.625	1500	49984	0.25	8.31	12.32	2.09	7/8x 5 1/8	296-356	14.1
200	219.1	6.9	260018	6.40	268	381	63	M24x150	520-600	9.6
8	8.625	1000	58452	0.25	10.55	15.00	2.48	1x6	385-444	21.1
250	273.0	6.9	403686	6.40	325	430	63	M24x150	520-150	12.7
10	10.750	1000	90749	0.25	12.80	16.93	2.48	1x6	385-444	28.0
300	323.9	6.9	568252	6.40	279	482	63	M24x150	520-600	15.8
12	12.750	1000	127743	0.25	10.98	18.98	2.48	1x6	385-444	34.8

Design specification

Heavy duty Rigid Coupling provided a rigid connection between pipes; it DOES NOT absorb the heat expansion of the pipe system. To absorb heat expansion or settlement of the system, extra expansion joint or compensator is required, like VISIONFLEX style 220 expansion joint or style 221 compensator.

&Listed Working Pressure and End Load are total, from all



GROOVED COUPLINGS

Split Flange Adaptor

Style GCFA

TFRI Approved

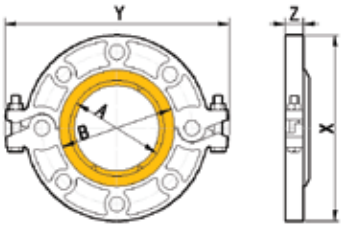
- Directly connect with Class150 flange.
- Supplied with self-locking bolts to improve stability
- Inner teeth design increases rigidity
- Galvanized coat available
- upon request

  Size：DN50～DN300

  2"~12"

Size		Max.Work	Max.End	Gasket Seat		Dimensions			Bolt	Approx.Wgt.
Nominal Dia.	Actual O.D.	Pressure[&]	Load [&]	A	B	X	Y	Z	Size	
DN	mm	KPa	N	mm	mm	mm	mm	mm	mm	kg
Inches	Inches	psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Inches	Lbs.
50	60.3	3450	9847	61	78	154	216	22	M10×60	1.6
2	2.375	500	2214	2.40	3.07	6.06	8.50	0.87	⅜×2¼	3.5
65	73.0	3450	14432	74	91	180	240	22	M10×60	1.8
2½	2.875	500	3244	2.91	3.58	7.09	9.45	0.87	⅜×2¼	4.0
80	88.9	3450	21404	90	107	193	250	22	M10×60	1.9
3	3.500	500	4808	3.54	4.21	7.60	9.84	0.87	⅜×2¼	4.2
100	114.3	3450	35382	116	133	231	286	22	M10×60	2.9
4	4.500	500	7948	4.57	5.24	9.09	11.26	0.87	⅜×2¼	6.4
125	141.3	3450	54072	143	161	256	324	24	M12×75	3.8
5	5.563	500	12147	5.63	6.34	10.08	12.76	0.94	½×3	8.4
150	168.3	3450	76711	170	189	281	350	24	M12×75	4.5
6	6.625	500	17227	6.69	7.44	11.06	13.78	0.94	½×3	9.9
200	219.1	2750	103630	221	343	345	408	28	M12×75	6.6
8	8.625	400	23359	8.70	13.50	13.58	16.06	1.10	½×3	14.6
250	273.0	2750	160889	275	297	407	472	28	M12×75	8.3
10	10.750	400	36287	10.83	11.69	16.02	18.58	1.10	½×3	18.3
300	323.9	2750	226477	326	352	462	527	28	M12×75	9.8
12	12.750	400	51045	12.83	13.86	18.19	20.75	1.10	½×3	21.6

- Split Flange provides only rigid connection, does not allow linear movement and angular deflection.
- "A" series is designed for flanges in Inch. A1 meets Class150 and A2 Class300. To connect Class300 flanges, VISION style 015A2 flange nipple is recommended.
- Flange surface of Style 015A1 is Raised Face type (RF). Flat Face type(FF) is available upon request.
- Bolts pack to connect flanges is only available upon request. To install Style 007 Split Flange, standard flange bolt pack is recommended to use.
- Style 007 Split flange cannot be installed directly with flange end valves. VISION Style 7A is required to seal the connection, please refer to page 39 for detail information.
- To install Style 007A1 Split flange, please refer to VISION publication AZ-100 Installation Manual
- To joint JIS standard and AS standard flanges, please contact VISION for solution.



TYPICAL FOR ALL SIZES