



Style Ligid Rigid Coupling is designed for fire protection system with light weight and compact structure. Unique teeth on key section can restrict the axial movement and spinning to increase the rigidity of joint. The unique “C”-Type gasket design performs a triple seal, optimized design for gasket structure extend service life of coupling.

Size:

- DN50-DN200 | 2-8”

Maximum Working Pressure:

- 2.1MPa(300psi)
- Working pressure depend on material, wall thickness and pipe size

Material Specifications**Housing:**

Ductile iron confirming to ASTM A536, Grade 65-45-12, other material also available, please consult VISION.

Coating:

Orange-Standard

Red- Optional

Hot-Dipped, Zinc Galvanized-Optional

Bolts/Nuts:

Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

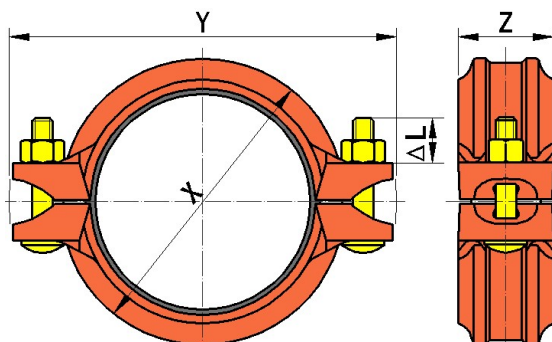
Gasket:

Grade “E” EPDM gaskets have a green striped color code identification and conform to ASTM D2000 for service temperatures from -34°C to 110°C(-30°F to 230°F). They are recommended for hot water not to exceed 110°C(230°F), plus a variety of dilute acids, oil free air, and many chemical service.

Grade “T” Nitrile gaskets have an orange striped color code identification and conform to ASTM D2000 for service temperatures from -29°C to 82°C(-20°F to 180°F). They are recommended for petroleum products, vegetable oils, mineral oils, and air with oil vapors. For more material of the gaskets, please refer to VISION publication 09.05.

Rigid Coupling Style LIGID

VISION



Nominal Size	OD	Work Pressure	End Load	Pipe End Separation	X	Y	Z	ΔL	Bolts	Size	Approx. Wt. Ea.
In/mm	In/mm	Psi/bar	Lbs./N	In/mm	In/mm	In/mm	In/mm	In/mm		In/mm	Lbs./kg
2	2.375	300	1328	0.09	3.58	5.28	1.89	0.59		¾x2	1.5
50	60.3	20.7	5908	2.24	91	134	48	15		M10x50	0.7
3OD	3.000	300	2120	0.10	4.06	5.79	1.89	0.59		¾x2¼	2.0
65	76.1	20.7	9410	2.64	103	147	48	15		M10x55	0.9
3	3.500	300	2885	0.10	4.57	6.42	1.89	0.59		¾x2¼	2.2
80	88.9	20.7	12842	2.64	116	163	48	15		M10x55	1.0
4	4.500	300	4769	0.10	5.67	7.64	1.93	0.59		¾x2½	2.9
100	114.3	20.7	21229	2.64	144	194	49	15		M10x60	1.3
5½OD	5.500	300	7124	0.11	6.77	9.06	1.93	0.91		½x3	4.0
125	139.7	20.7	31713	2.84	172	230	49	23		M12x75	1.8
6½OD	6.500	300	9950	0.10	7.72	10.16	1.93	0.91		½x3	4.8
150	165.1	20.7	44293	2.64	196	258	49	23		M12x75	2.2
8	8.625	300	17519	0.19	10.04	12.99	2.40	1.26		¾x3½	9.0
200	219.1	20.7	78005	4.90	255	330	61	32		M16x90	4.1

- The max. pipe end separation dimension shown is for system layout purposes only. Style ligid is rigid coupling and will not accommodate expansion/contraction or angular movement of the pipe system.
- Working Pressure and end load are total, from internal and external loads based on standard weight steel pipe.
- Max. end gap is for cut grooved standard weight pipe. Values for roll grooved pipe will be half of cut grooved.

