



Style 007A1 provides a rigid connection with a spigot and socket design. Diameter between key sections is adjusted by tightening nuts until key section grips groove bottom around the full circumference rigidity. Style 007A1 Flange Adapter is Not allowed linear movement and rotating due to a inner tooth design. Style 007 Flange Adapter is a rigid coupling, it is applied to connect grooved Valves tightly prevent rotating.

#### Size:

- DN50-DN300 | 2-12"
- For Sizes 14" and up, please refer to 015.

#### Maximum Working Pressure:

- 3.5MPa(500psi)
- 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.

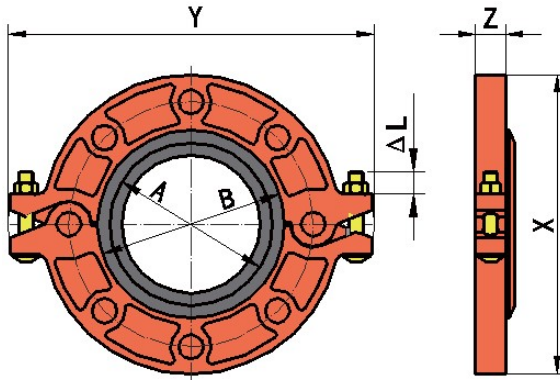
##### Gasket:

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.

# Flange Adapter Style 007A1 ANSI

# VISION



SIZE		Max.	Max.	Sealing Surface		Dimensions				Bolt/Nut		Approximate
Nominal	Actual O.D.	Working Pressure	End Load	A	B	X	Y	Z	ΔL	Size	Torque	Weight
mm	mm	Mpa	N	mm	mm	mm	mm	mm	mm	mm	N.m	kg
Inches	Inches	Psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Lbs.ft	Lbs
50	60.3	3.5	9847	61	78	154	216	22	15	M10×60	40-60	1.6
2	2.375	500	2214	2.40	3.07	6.06	8.50	0.87	0.59	¾×2½	30-44	3.5
65	73.0	3.5	14432	74	91	180	240	22	15	M10×60	40-60	1.8
2½	2.875	500	3244	2.91	3.58	7.09	9.45	0.87	0.59	¾×2½	30-44	4.0
80	88.9	3.5	21404	90	107	193	250	22	15	M10×60	40-60	1.9
3	3.500	500	4808	3.54	4.21	7.60	9.84	0.87	0.59	¾×2½	30-44	4.2
100	114.3	3.5	35382	116	133	231	286	22	15	M10×60	40-60	2.9
4	4.500	500	7948	4.57	5.24	9.09	11.26	0.87	0.59	¾×2½	30-44	6.4
125	141.3	3.5	54072	143	161	256	324	24	23	M12×75	80-120	3.8
5	5.563	500	12147	5.63	6.34	10.08	12.76	0.94	0.91	¾×3	59-89	8.4
150	168.3	3.5	76711	170	189	281	350	24	23	M12×75	80-120	4.5
6	6.625	500	17227	6.69	7.44	11.06	13.78	0.94	0.91	¾×3	59-89	9.9
200	219.1	2.8	103630	221	343	345	408	28	23	M12×75	80-120	6.6
8	8.625	400	23359	8.70	13.50	13.58	16.06	1.10	0.91	¾×3	59-89	14.6
250	273.0	2.8	160889	275	297	407	472	28	23	M12×75	80-120	8.3
10	10.750	400	36287	10.83	11.69	16.02	18.58	1.10	0.91	¾×3	59-89	18.3
300	323.9	2.8	226477	326	352	462	527	28	23	M12×75	80-120	9.8
12	12.750	400	51045	12.83	13.86	18.19	20.75	1.10	0.91	¾×3	59-89	21.6

- The max. pipe end separation dimension shown is for system layout purposes only. Style 007A1 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.

