

MODEL

7180 UNIVERSAL FLANGE ADAPTER

The Model 7180 Universal Flange Adapter provides a rigid transition from a flanged component to a grooved system. The single unit is compatible for a range of flange types including ANSI Class 125/150, PN10, PN16, and JIS 10K.

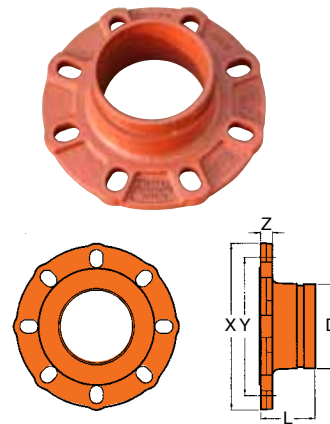
Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class 150	300 psi @100°F 20 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

*Working pressure is based on roll- or cut-grooved standard wall carbon steel pipe.

*Proof test pressure: 1.5 times the working pressure, non-shock cold water.

*Burst pressure is engineered minimum 3 times the working pressure.



Nominal Size mm / in	Pipe O.D. mm / in	L mm / in	X mm / in	Y : Flange Drilling				Z mm / in	Bolts Size		Weight Kgs / Lbs
				ANSI 125 / 150 mm / in	PN 10,16 mm / in	JIS 10K mm / in	BS 10E mm / in		Dia mm / in	No.	
50	60.3	64	165	121	125	120	114	16	M16	4	2.30
2	2.375	2.50	6.50	4.75	4.92	4.72	4.49	0.63	5/8	4	5.10
65	73.0	70	185	140	145	140	127	16	M16	4	2.96
2½	2.875	2.75	7.28	5.50	5.70	5.50	5.00	0.63	5/8	4	6.53
76.1mm	76.1	70	185	140	145	140	127	16	M16	4	2.90
	3.000	2.75	7.28	5.50	5.70	5.50	5.00	0.63	5/8	4	6.40
80	88.9	70	200	152	160	150	146	16	M16	8	3.39
3	3.500	2.75	7.87	6.00	6.30	5.90	5.75	0.63	5/8	4	7.47
100	114.3	76	229	191	180	175	178	16	M16	8	3.85
4	4.500	3.00	9.00	7.50	7.09	6.89	7.00	0.63	5/8	8	8.49
139.7mm	139.7	76	250	216	210	210	210	22	M16 / M20	8	6.50
	5.500	3.00	9.84	8.50	8.27	8.27	8.27	0.87	5/8 / 3/4	8	14.33
125	141.3	76	250	216	210	210	---	22	M16 / M20	8	6.50
5	5.563	3.00	9.84	8.50	8.27	8.27	---	0.87	5/8 / 3/4	8	14.33
165.1mm	165.1	76	291	241	240	240	235	24	M20	8	6.30
	6.500	3.00	11.46	9.50	9.45	9.45	9.30	0.94	3/4	8	13.86
150	168.3	89	291	241	240	240	---	24	M20	8	5.72
6	6.625	3.50	11.46	9.50	9.45	9.45	---	0.94	3/4	8	12.58
200	219.1	102	343	298	295	290	292	29	M20	8 / 12	13.65
8	8.625	4.00	13.50	11.75	11.61	11.42	11.50	1.14	3/4	8 / 12	30.09
200 JIS	216.3	102	343	298	295	290	---	29	M20	8 / 12	13.65
	8.516	4.00	13.50	11.75	11.61	11.42	---	1.14	3/4	8 / 12	30.09

MODEL

7181 UNIVERSAL REDUCING FLANGE ADAPTER

The Model 7181 Universal Reducing Flange Adapter provides a rigid transition between a flanged piping system and a one or two-size reduced grooved system without the need of a concentric reducer. The flange drilling is compatible to ANSI 125/150, PN10/16, BS-10E and JIS 10K.

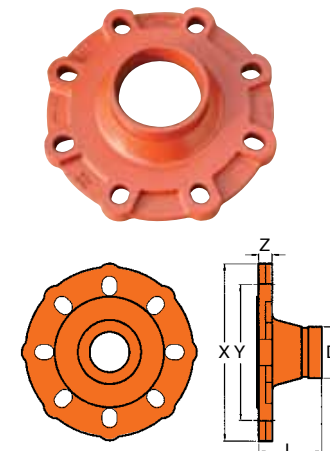
Pressure-Temperature Rating

Nom. Rating	Working Pressure (STD, Roll-grooved)	Max. Service Temperature
Class 150	300 psi @100°F 20 Bar @38°C	EPDM: 230°F / 110°C Nitrile: 180°F / 82°C

*Working pressure is based on roll- or cut-grooved standard wall carbon steel pipe.

*Proof test pressure: 1.5 times the working pressure, non-shock cold water.

*Burst pressure is engineered minimum 3 times the working pressure.



Nominal Size mm / in	Pipe OD mm / in	L mm / in	X mm / in	Z mm / in	Y: Flange Drilling			D mm / in	Bolts		Weight Kgs / Lb
					ANSI 125 / 150 mm / in	PN 10, 16 mm / in	JIS 10K mm / in		Dia. mm / in	No.	
80 x 50	88.9 x 60.3	75.0	208.0	16.0	152	160	150	60.3	M16	8	2.70
3 x 2	3.500 x 2.375	2.95	8.19	0.63	8.00	6.30	5.90	2	5/8	8	5.95
100 x 65	114.3 x 73.0	76.0	225.5	16.0	191	180	175	73.0	M16	8	4.00
4 x 2½	4.500 x 2.875	3.00	8.88	6.30	7.52	7.09	6.89	2.875	5/8	8	8.80
100 x 76.1mm	114.3 x 76.1	76.0	225.5	16.0	191	180	175	76.1	M16	8	4.00
	4.500 x 3.000	3.00	8.88	6.30	7.52	7.09	6.89	3.000	5/8	8	8.80
100 x 80	114.3 x 88.9	75.0	225.5	16.0	191	180	175	88.9	M16	8	3.45
4 x 3	4.500 x 3.500	2.95	8.88	0.63	7.50	7.09	6.89	3	5/8	8	7.61
150 x 100	168.3 x 114.3	75.0	291.0	24.0	241	240	240	114.3	M20	8	7.08
6 x 4	6.625 x 4.500	2.95	11.46	0.95	9.50	9.45	9.45	4	3/4	8	15.61