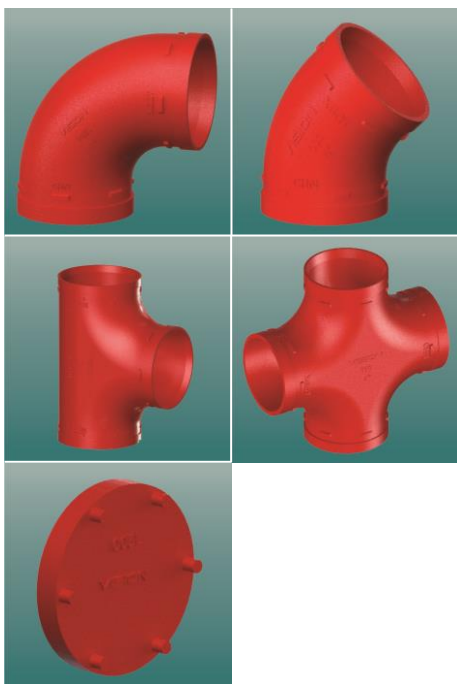


**Style:**

- 002L: 90 Degree Elbow
- 003: 45 Degree Elbow
- 004L: Straight Tee
- 005: End Cap
- 010L: Straight Cross
- 008: Concentric Reducer (Grooved/Grooved)
- 009: Concentric Reducer (Grooved/Threaded)
- 040: Standpipe Tee(Threading)
- 040G: Standpipe Tee (Grooved)
- 011L: Reducing Tee (Grooved Branch)
- 012L: Reducing Tee (Threading Branch)
- 013: Eccentric Reducer (Grooved/Grooved)
- 015: Flange Adapter

Size:

- DN25-DN300 | 1-12"

Maximum Working Pressure:

- Pressure Ratings conform to Style 101H Couplings

Material Specifications**Fittings:**

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

Coating:

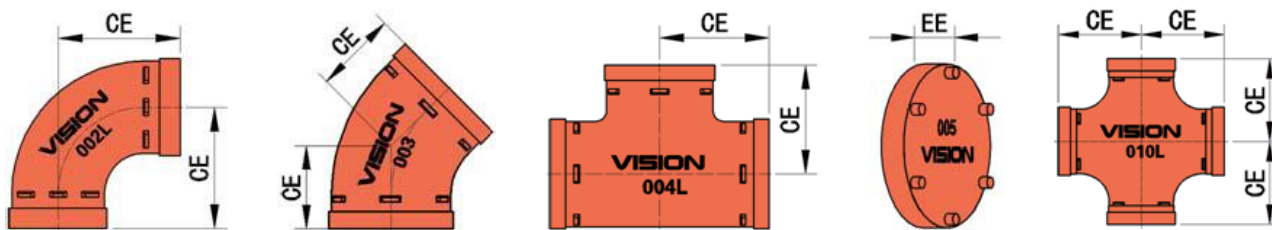
Orange-Standard

Red- Optional

Hot-Dipped, Zinc Galvanized-Optional

Style 002L,003,004L,005,010L

VISION



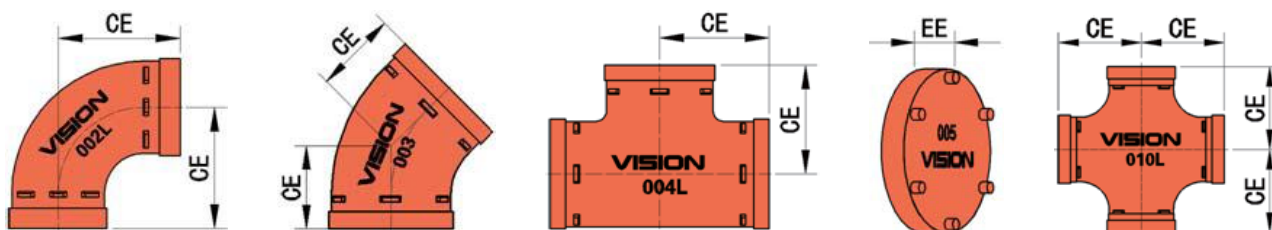
SIZE		002L		003		004L		005		010L	
Nominal	Actual O.D.	CE	Approx Wgt.each	CE	Approx Wgt.each	CE	Approx Wgt.each	CE	Approx Wgt.each	CE	Approx Wgt.each
mm	mm	mm	kg	mm	kg	mm	kg	mm	kg	mm	kg
Inches	Inches	Inches	Lbs.	Inches	Lbs.	Inches	Lbs.	Inches	Lbs.	Inches	Lbs.
25	33.4	57	0.4	—	—	57	0.5	23	0.1	57	0.7
1	1.315	2.25	0.9	—	—	2.25	1.2	0.90	0.2	2.25	1.4
32	42.4	70	0.5	44	0.3	70	0.7	23	0.1	70	0.9
1¼	1.660	2.75	1.1	1.75	0.7	2.75	1.5	0.90	0.2	2.75	2.0
40	48.3	70	0.6	44	0.4	70	0.8	23	0.2	70	1.1
1½	1.900	2.75	1.3	1.75	0.9	2.75	1.8	0.90	0.4	2.75	2.4
50	60.3	83	0.9	51	0.6	83	1.2	25	0.2	83	1.7
2	2.375	3.25	2.0	2.00	1.3	3.25	2.6	1.00	0.4	3.25	3.7
65	73.0	95	1.4	57	0.9	95	1.9	25	0.3	95	3.1
2½	2.875	3.75	3.1	2.25	2.0	3.75	4.1	1.00	0.7	3.75	6.8
65	76.1	95	1.4	57	0.9	95	1.9	25	0.3	95	3.2
30D	3.000	3.75	3.1	2.25	2.0	3.75	4.1	1.00	0.7	3.75	7.1
80	88.9	108	1.8	64	1.0	108	2.5	25	0.3	108	4.6
3	3.500	4.25	4.0	2.75	2.2	4.25	5.3	1.00	0.7	4.25	10.1
100	114.3	127	3.2	76	1.7	127	4.3	25	0.5	127	7.8
4	4.500	5.00	7.1	3.00	3.7	5.00	9.4	1.00	1.1	5.00	17.2
125	139.7	140	4.9	83	2.6	140	6.2	25	0.9	140	11.4
5%OD	5.500	5.50	10.8	3.25	5.7	5.50	14.4	1.00	2.0	5.50	25.1
125	141.3	140	5.0	83	2.6	140	6.2	25	0.9	140	11.6
5	5.563	5.50	11.0	3.25	5.7	5.50	14.7	1.00	2.0	5.50	25.6
150	165.1	165	7.0	89	3.9	165	9.3	25	1.1	165	17.1
6%OD	6.500	6.50	15.4	3.50	8.6	6.50	20.5	1.00	2.4	6.50	37.7
150	168.3	165	7.0	89	4.0	165	8.9	25	1.3	165	17.7
6	6.625	6.50	15.4	3.50	8.8	6.50	20.5	1.00	2.9	6.50	39.0
200	219.1	197	12.0	108	7.2	197	17.2	31	3.8	197	31.9
8	8.625	7.75	26.5	4.25	15.9	7.75	35.2	1.22	8.4	7.75	70.3
250	273.0	229	20.0	121	14.3	229	28.0	31	6.4	229	52.5
10	10.750	9.00	44.1	4.75	31.5	9.00	58.6	1.22	14.1	9.00	115.7
300	323.9	254	29.0	133	22.0	254	40.0	31	9.0	254	77.0
12	12.750	10.00	63.9	5.25	48.5	10.00	85.0	1.22	19.8	10	169.8



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Style 002L,003,004L,005,010L

VISION



SIZE		002L	003	004L		010L	
Nominal	Actual O.D.	Flow resistance equivalent length					
				Run	Branch	Run	Branch
mm	mm	m	m	m	m	m	m
Inches	Inches	ft	ft	ft	ft	ft	ft
25	33.4	0.5	—	0.5	1.3	0.5	1.3
1	1.315	1.6	—	1.6	4.3	1.6	4.3
32	42.4	0.5	0.2	0.5	1.1	0.5	1.1
1¼	1.660	1.6	0.7	1.6	3.6	1.6	3.6
40	48.3	0.7	0.3	0.7	1.7	0.7	1.7
1½	1.900	2.3	1.0	2.3	5.6	2.3	5.6
50	60.3	1.1	0.5	1.1	2.6	1.1	2.6
2	2.375	3.6	1.6	3.6	8.5	3.6	8.5
65	73.0	1.3	0.7	1.3	3.3	1.3	3.3
2½	2.875	4.3	2.3	4.3	10.8	4.3	10.8
65	76.1	1.3	0.7	1.3	3.3	1.3	3.3
3OD	3.000	4.3	2.3	4.3	10.8	4.3	10.8
80	88.9	1.5	0.8	1.5	4.0	1.5	4.0
3	3.500	4.9	2.6	4.9	13.1	4.9	13.1
100	114.3	2.1	1.0	2.1	4.9	2.1	4.9
4	4.500	6.9	3.3	6.9	16.1	6.9	16.1
125	139.7	2.6	1.3	2.6	6.4	2.6	6.4
5¼OD	5.500	8.5	4.3	8.5	21.0	8.5	21.0
125	141.3	2.6	1.3	2.6	6.4	2.6	6.4
5	5.563	8.5	4.3	8.5	21.0	8.5	21.0
150	165.1	2.9	1.5	3.0	7.6	3.0	7.6
6¼OD	6.500	9.5	4.9	9.8	24.9	9.8	24.9
150	168.3	3.0	1.5	3.0	7.6	3.0	7.6
6	6.625	9.8	4.9	9.8	24.9	9.8	24.9
200	219.1	4.0	2.0	4.0	10.1	4.0	10.1
8	8.625	13.1	6.6	13.1	33.1	13.1	33.1
250	273.0	5.2	2.5	5.2	12.5	5.2	12.5
10	10.750	17.0	8.2	17.0	41.0	17.0	41.0
300	323.9	6.1	3.0	6.1	15.2	6.1	15.2
12	12.750	20.0	9.8	20.0	49.8	20.0	49.8



Shanghai Vision Mechanical Joint Ltd., Co.,

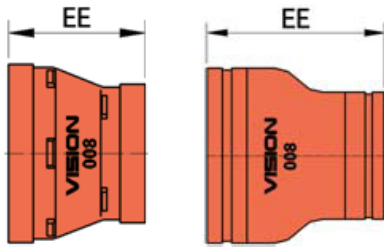
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D-1026E

Concentric Reducer (G) Style 008

VISION



OD	EE	Approx. Wt. Ea.
In/mm	In/mm	Lbs./kg
2x1¼	2.52	0.7
60.3x42.4	64	0.3
2x1½	2.52	0.7
60.3x48.3	64	0.3
2½x1¼	2.52	0.9
73.0x42.4	64	0.4
2½x1½	2.52	0.9
73.0x48.3	64	0.4
2½x2	2.52	1.1
73.0x60.3	64	0.5
3ODx1¼	2.52	0.9
76.1x42.4	64	0.4
3ODx1½	2.52	0.9
76.1x48.3	64	0.4
3ODx2	2.52	1.1
76.1x60.3	64	0.5
3x1¼	2.52	0.9
88.9x42.4	64	0.4
3x1½	2.52	0.9
88.9x48.3	64	0.4
3x2	2.52	1.1
88.9x60.3	64	0.5
3x2½	2.52	1.3
88.9x73.0	64	0.6
3x3OD	2.52	1.3
88.9x76.1	64	0.6
4x1¼	2.99	2.2
114.3x42.4	76	1
4x2	2.99	2.4
114.3x60.3	76	1.1
4x2½	2.99	2.6
114.3x73.0	76	1.2
4x3OD	2.99	2.6
114.3x76.1	76	1.2
4x3	2.99	3.1
114.3x88.9	76	1.4

OD	EE	Approx. Wt. Ea.
In/mm	In/mm	Lbs./kg
5½ODx2	7.76	7.7
139.7x76.1	197 #	3.5
5½ODx3OD	7.76	8.4
139.7x76.1	197 #	3.8
5½ODx3	7.76	9
139.7x88.9	197 #	4.1
5½ODx4	3.5	3.7
139.7x114.3	89	1.7
5x2	7.76	7.7
141.3x60.3	197 #	3.5
5x2½	7.76	8.6
141.3x73.0	197 #	3.9
5x3	7.76	9.3
141.3x88.9	197 #	4.2
5x4	3.5	3.7
141.3x114.3	89	1.7
6½ODx3OD	4.02	5.1
165.1x76.1	102	2.3
6½ODx3	4.02	5.7
165.1x88.9	102	2.6
6½ODx4	4.02	6.2
165.1x114.3	102	2.8
6½ODx5½OD	4.02	6.4
165.1x139.7	102	2.9
6x2	4.02	4.8
168.3x60.3	102	2.2
6x2½	4.02	4.8
168.3x73.0	102	2.2
6x3OD	4.02	5.1
168.3x76.1	102	2.3
6x3	4.02	5.7
168.3x88.9	102	2.6
6x4	4.02	6.2
168.3x114.3	102	2.8
6x5½OD	8.27	14.3
168.3x139.7	210 #	6.5

OD	EE	Approx. Wt. Ea.
In/mm	In/mm	Lbs./kg
8x2	5	10.1
219.1x60.3	127	4.6
8x3OD	5	10.4
219.1x76.1	127	4.7
8x3	5	10.6
219.1x88.9	127	4.8
8x4	5	10.8
219.1x114.3	127	4.9
8x5½OD	5	11.2
219.1x139.7	127	5.1
8x6½OD	5	11.5
219.1x165.1	127	5.2
10x4	10.35	23.3
273.0x114.3	263 #	10.6
10x5½OD	10.35	24.7
273.0x139.7	263 #	11.2
10x5	10.35	24.9
273.0x141.3	263 #	11.3
10x6½OD	10.35	26.4
273.0x165.1	263 #	12
10x6	10.35	26.4
273.0x168.3	263 #	12
10x8	10.35	30.3
273.0x219.1	263 #	13.7
12x4	11.34	30.6
323.9x114.3	288 #	13.9
12x5	11.34	32.4
323.9x141.3	288 #	14.7
12x6½OD	11.34	34
323.9x165.1	288 #	15.5
12x6	11.34	34
323.9x168.3	288 #	15.5
12x8	11.93	39.7
323.9x219.1	303 #	18
12x10	11.93	46.4
323.9x273.0	303 #	21.1

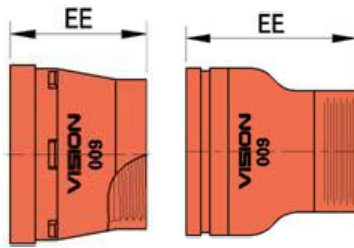


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D-1026E

Concentric Reducer (T) Style 009

VISION



OD	EE	Approx. Ea.	Wt.
In/mm	In/mm	Lbs./kg	
1½x1	2.52	0.4	
42.4x33.7	64	0.2	
1½x1	2.52	0.4	
48.3x33.7	64	0.2	
1½x1¼	2.52	0.7	
48.3x42.4	64	0.3	
2x1	2.52	0.7	
60.3x33.7	64	0.3	
2x1¼	2.52	0.7	
60.3x42.4	64	0.3	
2x1½	2.52	0.7	
60.3x48.3	64	0.3	
2½x1	2.52	0.9	
73.0x33.7	64	0.4	
2½x1¼	2.52	0.9	
73.0x42.4	64	0.4	
2½x1½	2.52	0.9	
73.0x48.3	64	0.4	
2½x2	2.52	1.1	
73.0x60.3	64	0.5	
3ODx1	2.52	0.9	
76.1x33.7	64	0.4	
3ODx1¼	2.52	0.9	
76.1x42.4	64	0.4	
3ODx1½	2.52	0.9	
76.1x48.3	64	0.4	
3ODx2	2.52	0.9	
76.1x60.3	64	0.4	
3x1	2.52	0.9	
88.9x33.7	64	0.4	
3x1¼	2.52	1.1	
88.9x42.4	64	0.5	
3x1½	2.52	1.1	
88.9x48.3	64	0.5	
3x2	2.52	1.1	
88.9x60.3	64	0.5	
4x1	2.99	2.2	
114.3x33.7	76	1	
4x1¼	2.99	2.4	
114.3x42.4	76	1.1	
4x1½	2.99	2.4	
114.3x48.3	76	1.1	

OD	EE	Approx. Ea.	Wt.
In/mm	In/mm	Lbs./kg	
4x2	2.99	2.6	
114.3x60.3	76	1.2	
5½ODx1	3.5	3.7	
139.7x33.7	89	1.7	
5½ODx1¼	3.5	3.7	
139.7x42.4	89	1.7	
5½ODx1½	3.5	3.7	
139.7x48.3	89	1.7	
5½ODx2	3.5	3.7	
139.7x60.3	89	1.7	
5x1	3.5	3.7	
141.3x60.3	89	1.7	
5x1¼	3.5	3.7	
141.3x42.4	89	1.7	
5x1½	3.5	3.7	
141.3x48.3	89	1.7	
5x2	3.5	3.7	
141.3x60.3	89	1.7	
6½ODx1	4.02	4.9	
165.1x33.7	102	2.2	
6½ODx1¼	4.02	4.9	
165.1x42.4	102	2.2	
6½ODx1½	4.02	5.1	
165.1x48.3	102	2.3	
6½ODx2	4.02	5.3	
165.1x60.3	102	2.4	
6x1	4.02	4.9	
168.3x33.7	102	2.2	
6x1¼	4.02	4.9	
168.3x42.4	102	2.2	
6x1½	4.02	5.1	
168.3x48.3	102	2.3	
6x2	4.02	5.3	
168.3x60.3	102	2.4	
8x1	5	9.7	
219.1x33.7	127	4.4	
8x1¼	5	9.7	
219.1x42.4	127	4.4	
8x1½	5	9.9	
219.1x48.3	127	4.5	
8x2	5	10.1	
219.1x60.3	127	4.6	

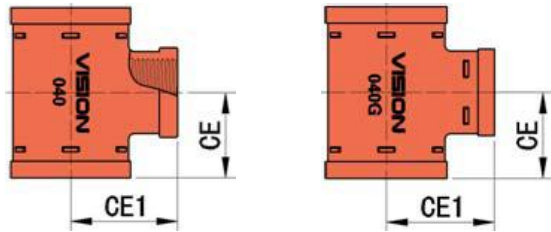


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D-1026E

Style 040, 040G

VISION



SIZE					040			040G		
Actual O.D.					CE	CE1	Approx Wgt.each	CE	CE1	Approx Wgt.each
mm	×	mm	×	mm	mm	mm	kg	mm	mm	kg
Inches		Inches		Inches	Inches	Inches	Lbs.ft	Inches	Inches	Lbs.ft
114.3	×	114.3	×	76.1	83	102	2.5	89	102	2.7
4		4		2½	3.25	4.00	5.5	3.50	4.00	6.0
				88.9	83	102	2.8	89	102	3.0
				3	3.25	4.00	6.2	3.50	4.00	6.7
165.1	×	165.1	×	76.1	83	130	4.9	108	130	5.5
6½OD		6½OD		30D	3.25	5.13	10.8	4.25	5.13	12.2
				88.9	83	130	5.1	108	130	5.7
				3	3.25	5.13	11.3	4.25	5.13	12.7
				114.3	—	—	—	108	130	5.8
				4	—	—	—	4.25	5.13	12.9
168.3	×	168.3	×	76.1	83	130	5.0	108	130	5.5
6		6		30D	3.25	5.13	11.0	4.25	5.13	12.2
				88.9	83	130	5.2	108	130	5.7
				3	3.25	5.13	11.5	4.25	5.13	12.7
				114.3	—	—	—	108	130	5.8
				4	—	—	—	4.25	5.13	12.9

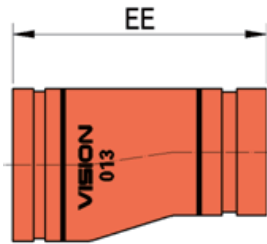


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D-1026E

Eccentric Reducer (G) Style 013

VISION



OD	EE	Approx. Fa.	Wt.
In/mm	In/mm	Lbs./kg	
2x1½	5.75	1.5	
60.3x42.4	146	0.7	
2x1½	5.75	1.5	
60.3x48.3	146	0.7	
2½x1½	6.26	2.2	
73.0x48.3	159	1	
2½x2	6.26	2.4	
73.0x60.3	159	1.1	
3ODx1½	6.26	2.2	
76.1x48.3	159	1	
3ODx2	6.26	2.4	
76.1x60.3	159	1.1	
3x2	6.26	2.8	
88.9x60.3	159	1.3	
3x2½	6.26	3.3	
88.9x73.0	159	1.5	
3x3OD	6.26	3.3	
88.9x76.1	159	1.5	
4x2½	6.77	4.6	
114.3x73.0	172	2.1	
4x3OD	6.77	4.7	
114.3x76.1	172	2.1	
4x3	6.77	5.2	
114.3x88.9	172	2.4	
5½ODx3	7.76	7	
139.7x88.9	197	3.2	
5x3	7.76	7	
141.3x88.9	197	3.2	
5x4	7.76	8.1	
141.3x114.3	197	3.7	
6x4	8.27	10.1	
168.3x114.3	210	4.6	
6x5½OD	8.27	11.4	
168.3x139.7	210	5.2	
8x5½OD	9.33	16.8	
219.1x139.7	237	7.6	
8x6	9.33	18.2	
219.1x168.3	237	8.3	
10x6	10.35	26.4	
273.0x168.3	263	12	
10x8	10.35	30.3	
273.0x219.1	263	13.7	
12x8	11.93	39.7	
323.9x219.1	303	18	
12x10	11.93	46.4	
323.9x273.0	303	21.1	



Shanghai Vision Mechanical Joint Ltd., Co.,

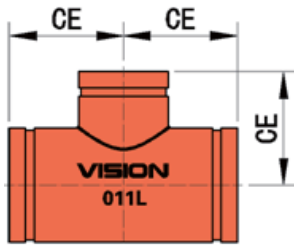
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D-1026E

Reducer Tee(G) Style 011L

VISION



OD	CE	Approx. Wt. Ea.
In/mm	In/mm	Lbs./kg
2½x1¼	3.75	4.2
73.0x42.4	95	1.9
2½x1½	3.75	4.4
73.0x48.3	95	2
3ODx1¼	3.75	4.2
76.1x42.4	95	1.9
3ODx1½	3.75	4.4
76.1x48.3	95	2
3x1½	4.25	6
88.9x48.3	108	2.7
3x2	4.25	6.2
88.9x60.3	108	2.8
4x1¼	5	11.2
114.3x42.4	127	5.1
4x1½	5	11.2
114.3x48.3	127	5.1
4x2	5	11.2
114.3x60.3	127	5.1
4x2½	5	11.2
114.3x73.0	127	5.1
4x3OD	5	11.2
114.3x76.1	127	5.1
5x2½	5.51	14.3
141.3x73.0	140	6.5
5x3	5.51	14.5
141.3x88.9	140	6.6
6½ODx3OD	6.5	25.3
165.1x76.1	165	11.5
6x2½	6.5	25.8
168.3x73.0	165	11.7
6x3OD	6.5	25.8
168.3x76.1	165	11.7
6x3	6.5	26
168.3x88.9	165	11.8
8x4	7.76	38.3
219.1x114.3	197	17.4
8x5½OD	7.76	43.6
219.1x139.7	197	19.8
8x6	7.76	47.4
219.1x168.3	197	21.5
10x6	9.02	61.2
273.0x168.3	229	27.8
10x8	9.02	63.9
273.0x219.1	229	29
12x8	10	81.5
323.9x219.1	254	37
12x10	10	83.7
323.9x273.0	254	38



Shanghai Vision Mechanical Joint Ltd., Co.,

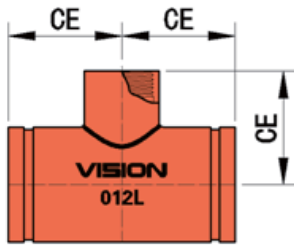
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D-1026E

Reducer Tee(T) Style 012L

VISION



OD	CE	Approx. Wt. Ea.
In/mm	In/mm	Lbs./kg
2½x1¼	3.75	4.2
73.0x42.4	95	1.9
2½x1¼	3.75	4.4
73.0x48.3	95	2
3ODx1¼	3.75	4.2
76.1x42.4	95	1.9
3ODx1¼	3.75	4.4
76.1x48.3	95	2
3x1½	4.25	6
88.9x48.3	108	2.7
3x2	4.25	6.2
88.9x60.3	108	2.8
4x1¼	5	11.2
114.3x42.4	127	5.1
4x1½	5	11.2
114.3x48.3	127	5.1
4x2	5	11.2
114.3x60.3	127	5.1
4x2½	5	11.2
114.3x73.0	127	5.1
4x3OD	5	11.2
114.3x76.1	127	5.1
5x2½	5.51	14.3
141.3x73.0	140	6.5
5x3	5.51	14.5
141.3x88.9	140	6.6
6½ODx3OD	6.5	25.3
165.1x76.1	165	11.5
6x2½	6.5	25.8
168.3x73.0	165	11.7
6x3OD	6.5	25.8
168.3x76.1	165	11.7
6x3	6.5	26
168.3x88.9	165	11.8
8x4	7.76	38.3
219.1x114.3	197	17.4
8x5½OD	7.76	43.6
219.1x139.7	197	19.8
8x6	7.76	47.4
219.1x168.3	197	21.5
10x6	9.02	61.2
273.0x168.3	229	27.8
10x8	9.02	63.9
273.0x219.1	229	29
12x8	10	81.5
323.9x219.1	254	37
12x10	10	83.7
323.9x273.0	254	38

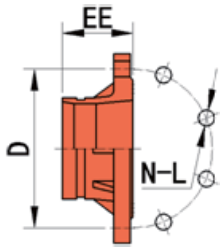


Shanghai Vision Mechanical Joint Ltd., Co.,

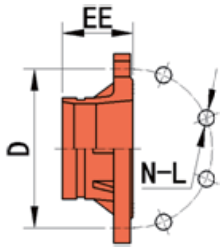
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D-1026E



		A1 ^{SW}					A2 ^{SW}				
Nominal Size	OD	EE	D	D1	N-L	Approx Wgt.each	EE	D	D1	N-L	Approx Wgt.each
mm	mm	mm	mm	mm	mm	kg	mm	mm	mm	mm	kg
Inches	Inches	Inches	Inches	Inches	Inches	Lbs.ft	Inches	Inches	Inches	Inches	Lbs.ft
32	42.4	102	115	88.9	4-Φ16	1.5	102	135	98.4	4-Φ19.05	2.2
1¼	1.660	4.00	4.53	3.50	4-Φ0.630	3.3	4.00	5.31	3.87	4-Φ0.75	4.8
40	48.3	102	125	98.4	4-Φ16	1.8	102	155	114.3	4-Φ22.23	3.1
1½	1.900	4.00	4.92	3.87	4-Φ0.630	3.9	4.00	6.10	4.50	4-Φ0.875	6.9
50	60.3	102	150	120.7	4-Φ19	2.8	102	165	127.0	8-Φ22.23	3.7
2	2.375	4.00	5.91	4.75	4-Φ0.748	6.2	4.00	6.50	5.00	8-Φ0.875	8.2
80	88.9	102	190	152.4	4-Φ19	5.2	102	210	168.3	8-Φ22.23	7.5
3	3.500	4.00	7.48	6.00	4-Φ0.748	11.4	4.00	8.27	6.63	8-Φ0.875	16.5
100	114.3	152	230	190.5	8-Φ19	8.3	152	255	200.0	8-Φ22.23	12.4
4	4.500	6.00	9.06	7.50	8-Φ0.748	18.4	6.00	10.04	7.87	8-Φ0.875	27.4
150	168.3	152	280	241.3	8-Φ22	12.5	152	320	269.9	12-Φ22.23	21.5
6	6.625	6.00	11.02	9.50	8-Φ0.866	27.5	6.00	12.60	10.63	12-Φ0.875	47.5
200	219.1	152	335	295	8-Φ23	18.8	152	380	330.2	12-Φ25.4	31.9
8	8.625	6.00	13.19	11.61	8-Φ0.906	41.3	6.00	14.96	13.00	12-Φ1	70.3
250	273.0	203	405	362	12-Φ25	27.1	203	445	387.4	16-Φ28.58	45.7
10	10.750	8.00	15.94	14.25	8-Φ0.984	59.8	8.00	17.52	15.25	16-Φ1.125	100.8
300	323.9	203	485	431.8	12-Φ25	40	203	520	450.8	16-Φ31.75	66.3
12	12.750	8.00	19.09	17.00	12-Φ0.984	88.2	8.00	20.47	17.75	16-Φ1.250	146.2



		D2				
Nominal Size	OD	EE	D	D1	N-L	Approx Wgt.each
mm	mm	mm	mm	mm	mm	kg
Inches	Inches	Inches	Inches	Inches	Inches	Lbs.ft
32	42.4	60	135	100	4-Φ18	1.1
1¼	1.660	2.36	5.31	3.94	4-Φ0.71	0.04
40	48.3	60	145	110	4-Φ18	1.2
1½	1.900	2.36	5.71	4.33	4-Φ0.71	0.05
50	60.3	70	160	125	4-Φ18	1.5
2	2.375	2.76	6.30	4.92	4-Φ0.71	0.02
65	76.1	70	180	145	8-Φ18	2.4
3OD	3.000	2.76	7.09	5.71	4-Φ0.71	0.09
80	88.9	70	195	160	8-Φ18	2.7
3	3.500	2.76	7.68	6.30	8-Φ0.71	0.11
100	108.0	80	215	180	8-Φ18	3.2
4¼OD	4.250	3.15	8.46	7.09	8-Φ0.71	0.13
100	114.3	80	215	180	8-Φ18	3.4
4	4.500	3.15	8.46	7.09	8-Φ0.71	0.13
125	133.0*	80	245	210	8-Φ18	4.1
5¼OD	5.250	3.15	8.46	8.27	8-Φ0.71	0.16
125	139.7	80	245	210	8-Φ18	4.2
5½OD	5.500	3.15	8.46	8.27	8-Φ0.71	0.17
150	159.0	100	280	240	8-Φ23	5.7
6¼OD	6.250	3.94	11.02	9.45	8-Φ0.91	0.22
150	165.1	100	280	240	8-Φ23	5.8
6½OD	6.500	3.94	11.02	9.45	8-Φ0.91	0.23
150	168.3	100	280	240	8-Φ23	5.8
6	6.625	3.94	11.02	9.45	8-Φ0.91	0.23
200	219.1	100	335	295	12-Φ23	8.8
8	8.625	3.94	13.19	11.61	12-Φ0.91	0.35
250	273.0	100	405	355	12-Φ25	12.6
10	10.750	3.94	15.94	13.78	12-Φ0.98	0.50
300	323.9	100	460	410	12-Φ25	14.9
12	12.750	3.94	18.11	16.14	12-Φ0.98	0.59