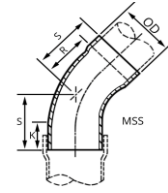
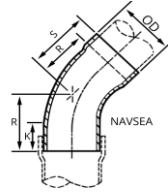


LONG RADIUS 45 DEGREE STREET ELBOW NAVSEA 802-5959353 App.B, MSS SP-119

90-10 (UNS C70600) and 70-30 (UNS C71500)
Belled End



DIMENSIONS										
NOMINAL PIPE SIZE	OD	S	R	K (Tangent)	WEIGHT (lb)				TORK P/N 90/10	TORK P/N 70/30
						S	R	K (Tangent)		
NAVSEA						MSS				
1/4	0.540	1.02	0.70	0.28	0.20	1.24	0.92	0.62	M110181	M111155
3/8	0.675	1.20	0.89	0.38	0.30	1.24	0.92	0.62	M110182	M111156
1/2	0.840	1.38	1.06	0.44	0.50	1.38	1.06	0.75	M110183	M111157
3/4	1.050	1.25	0.94	0.47	0.60	1.38	1.06	0.75	M110184	M111158
1	1.315	1.50	1.12	0.50	0.70	1.50	1.12	0.88	M110185	M111159
1 1/4	1.660	1.78	1.34	0.56	1.00	1.78	1.34	1.00	M110186	M111160
1 1/2	1.900	2.19	1.62	0.69	1.00	2.19	1.62	1.25	M110187	M111161
2	2.375	2.53	1.97	0.72	2.00	2.53	1.97	1.28	M110188	M111162
2 1/2	2.875	3.19	2.44	0.88	4.00	3.19	2.44	1.63	M110189	M111163
3	3.500	3.52	2.76	0.91	5.00	3.52	2.76	1.67	M110190	M111164
3 1/2	4.000	3.96	3.17	0.94	8.00	3.96	3.17	1.73	M110191	M111165
4	4.500	4.27	3.45	0.97	10.00	4.27	3.45	1.78	M110192	M111166
5	5.563	5.14	4.20	1.09	16.50	5.14	4.20	2.03	M110193	M111167
6	6.625	5.91	4.91	1.17	26.50	5.91	4.91	2.17	M110194	M111168
8	8.625	7.59	6.34	1.38	21.00	7.59	6.34	2.62	M110195	M111169
10	10.750	9.22	7.78	1.56	36.50	9.22	7.78	3.00	M110196	M111170
12	12.750	10.70	9.14	1.69	76.00	10.70	9.14	3.25	M110197	M111171