

Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		Outside Diameter at any Point		Class-1 0.25 Mpa			Class-2 0.40 Mpa			Class-3 0.60 Mpa			Class-4 0.80 Mpa			Class-5 1.00 Mpa			Class-6 1.25 Mpa		
	Min.	Max.	Min.	Max.	Avg. Max.	Min.	Max.	Avg. Max.	Min.	Max.	Avg. Max.	Min.	Max.	Avg. Max.	Min.	Max.	Avg. Max.	Min.	Max.	Avg. Max.	Min.	Max.
20	20.0	20.3	19.5	20.5	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.1	1.5	1.8	1.4	1.8
25	25.0	25.3	24.5	25.5	-	-	-	-	-	-	-	-	-	1.6	1.2	1.6	1.8	1.4	1.8	2.1	1.7	2.1
32	32.0	32.3	31.5	32.5	-	-	-	-	-	-	-	-	-	1.9	1.5	1.9	2.2	1.8	2.2	2.7	2.2	2.7
40	40.0	40.3	39.5	40.5	-	-	-	-	-	-	1.8	1.4	1.8	2.2	1.8	2.2	2.7	2.2	2.7	3.3	2.8	3.3
50	50.0	50.3	49.4	50.6	-	-	-	-	-	-	2.1	1.7	2.1	2.8	2.3	2.8	3.3	2.8	3.3	4.0	3.4	4.0
63	63.0	63.3	62.2	63.8	-	-	-	1.9	1.5	1.9	2.7	2.2	2.7	3.3	2.8	3.3	4.1	3.5	4.1	5.0	4.3	5.0
75	75.0	75.3	74.1	75.9	-	-	-	2.2	1.8	2.2	3.1	2.6	3.1	4.0	3.4	4.0	4.9	4.2	4.9	5.9	5.1	5.9
90	90.0	90.3	88.9	91.1	1.7	1.3	1.7	2.6	2.1	2.6	3.7	3.1	3.7	4.6	4.0	4.6	5.7	5.0	5.7	7.0	6.1	7.1
110	110.0	110.4	108.6	111.4	2.0	1.6	2.0	3.0	2.5	3.0	4.3	3.7	4.3	5.6	4.9	5.6	7.0	6.1	7.1	8.5	7.5	8.7
125	125.0	125.4	123.5	126.5	2.2	1.8	2.2	3.4	2.9	3.4	5.0	4.3	5.0	6.4	5.6	6.4	7.8	6.9	8.0	9.6	8.5	9.8
140	140.0	140.5	138.3	141.7	2.4	2.0	2.4	3.8	3.2	3.8	5.5	4.8	5.5	7.2	6.3	7.3	8.7	7.7	8.9	10.7	9.5	11.0
160	160.0	160.5	158.0	162.0	2.8	2.3	2.8	4.3	3.7	4.3	6.3	5.4	6.2	8.2	7.2	8.3	9.9	8.8	10.2	12.2	10.9	12.6
180	180.0	180.6	177.8	182.2	3.1	2.6	3.1	4.9	4.2	4.9	7.0	6.1	7.1	9.0	8.0	9.2	11.1	9.9	11.4	13.7	12.2	14.1
200	200.0	200.6	197.6	202.4	3.4	2.9	3.4	5.3	4.6	5.3	7.7	6.8	7.9	10.0	8.9	10.3	12.3	11.0	12.7	15.2	13.6	15.7
225	225.0	225.7	222.3	227.7	3.9	3.3	3.9	6.0	5.2	6.0	8.6	7.6	8.8	11.2	10.0	11.5	13.9	12.4	14.3	17.1	15.3	17.8
250	250.0	250.8	247.0	253.0	4.2	3.6	4.2	6.5	5.7	6.5	9.6	8.5	9.8	12.4	11.2	12.9	15.4	13.8	15.9	18.9	17.0	19.6
280	280.0	280.9	276.6	283.4	4.8	4.1	4.8	7.3	6.4	7.4	10.7	9.5	11.0	14.0	12.5	14.4	17.2	15.4	17.8	21.1	19.0	21.9
315	315.0	316.0	311.2	318.8	5.3	4.6	5.3	8.2	7.2	8.3	12.0	10.7	12.4	15.6	14.0	16.1	19.3	17.3	19.9	23.8	21.4	24.7
355	355.0	358.1	350.7	359.3	5.9	5.1	5.9	9.2	8.1	9.4	13.4	12.0	13.8	17.6	15.8	18.2	21.8	19.6	22.6	26.8	24.1	27.8
400	400.0	401.2	395.2	404.8	6.6	5.8	6.7	10.3	9.1	10.5	15.1	13.5	15.6	19.8	17.8	20.5	24.4	22.0	25.3	30.2	27.2	31.3
450	450.0	451.4	444.6	455.4	7.4	6.5	7.5	11.6	10.3	11.9	17.0	15.2	17.5	22.2	20.0	23.0	27.5	24.8	28.6	33.8	30.5	35.1
500	500.0	501.5	494.0	506.0	8.2	7.2	8.3	12.8	11.4	13.2	18.8	16.9	19.5	24.8	22.3	25.7	30.5	27.5	31.7	37.5	33.9	39.0
560	560.0	561.7	553.2	566.8	9.2	8.1	9.4	14.3	12.8	14.8	21.0	18.9	21.8	27.6	24.9	28.7	34.1	30.8	35.5	42.0	38.0	43.7
630	630.0	631.9	622.4	637.6	10.3	9.1	10.5	16.1	14.4	16.6	23.7	21.3	24.5	31.0	28.0	32.2	38.4	34.7	40.0	47.2	42.7	49.2