

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
40	0.125	6.84	10.3	1.73
40	0.25	9.22	13.7	2.24
40	0.375	12.48	17.1	2.31
40	0.5	15.76	21.3	2.77
40	0.75	20.96	26.7	2.87
40	1	26.64	33.4	3.38
40	1.25	35.08	42.2	3.56
40	1.5	40.94	48.3	3.68
40	2	52.48	60.3	3.91
40	2.5	62.68	73	5.16
40	3	77.92	88.9	5.49
40	3.5	90.12	101.6	5.74
40	4	102.26	114.3	6.02
40	5	128.2	141.3	6.55
40	6	154.08	168.3	7.11
40	8	202.74	219.1	8.18
40	10	254.46	273	9.27
40	12	303.18	323.8	10.31
40	14	333.34	355.6	11.13
40	16	381	406.4	12.7
40	18	428.46	457	14.27
40	20	477.82	508	15.09
40	24	575.04	610	17.48
40	32	778.04	813	17.48
40	34	829.04	864	17.48
40	36	875.9	914	19.05
5	0.5	18	21.3	1.65
5	0.75	23.4	26.7	1.65
5	1	30.1	33.4	1.65
5	1.25	38.9	42.2	1.65
5	1.5	45	48.3	1.65
5	2	57	60.3	1.65
5	2.5	68.78	73	2.11
5	3	84.68	88.9	2.11

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
5	3.5	97.38	101.6	2.11
5	4	110.08	114.3	2.11
5	5	135.76	141.3	2.77
5	6	162.76	168.3	2.77
5	8	213.56	219.1	2.77
5	10	266.2	273	3.4
5	12	315.88	323.8	3.96
5	14	347.68	355.6	3.96
5	16	398.02	406.4	4.19
5	18	448.62	457	4.19
5	20	498.44	508	4.78
5	22	549.44	559	4.78
5	24	598.92	610	5.54
5	30	749.3	762	6.35
10	0.125	7.82	10.3	1.24
10	0.25	10.4	13.7	1.65
10	0.375	13.8	17.1	1.65
10	0.5	17.08	21.3	2.11
10	0.75	22.48	26.7	2.11
10	1	27.86	33.4	2.77
10	1.25	36.66	42.2	2.77
10	1.5	42.76	48.3	2.77
10	2	54.76	60.3	2.77
10	2.5	66.9	73	3.05
10	3	82.8	88.9	3.05
10	3.5	95.5	101.6	3.05
10	4	108.2	114.3	3.05
10	5	134.5	141.3	3.4
10	6	161.5	168.3	3.4
10	8	211.58	219.1	3.76
10	10	264.62	273	4.19
10	12	314.66	323.8	4.57
10	14	342.9	355.6	6.35
10	16	393.7	406.4	6.35

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
10	18	444.3	457	6.35
10	20	495.3	508	6.35
10	22	546.3	559	6.35
10	24	597.3	610	6.35
10	26	644.16	660	7.92
10	28	695.16	711	7.92
10	30	746.16	762	7.92
10	32	797.16	813	7.92
10	34	848.16	864	7.92
10	36	898.16	914	7.92
20	8	206.4	219.1	6.35
20	10	260.3	273	6.35
20	12	311.1	323.8	6.35
20	14	339.76	355.6	7.92
20	16	390.56	406.4	7.92
20	18	441.16	457	7.92
20	20	488.94	508	9.53
20	22	539.94	559	9.53
20	24	590.94	610	9.53
20	26	634.6	660	12.7
20	28	685.6	711	12.7
20	30	736.6	762	12.7
20	32	787.6	813	12.7
20	34	838.6	864	12.7
20	36	888.6	914	12.7
30	0.125	7.4	10.3	1.45
30	0.25	10	13.7	1.85
30	0.375	13.4	17.1	1.85
30	0.5	16.48	21.3	2.41
30	0.75	21.88	26.7	2.41
30	1	27.6	33.4	2.9
30	1.25	36.26	42.2	2.97
30	1.5	41.94	48.3	3.18
30	2	53.94	60.3	3.18

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
30	2.5	63.44	73	4.78
30	3	79.34	88.9	4.78
30	3.5	92.04	101.6	4.78
30	4	104.74	114.3	4.78
30	8	205.02	219.1	7.04
30	10	257.4	273	7.8
30	12	307.04	323.8	8.38
30	14	336.54	355.6	9.53
30	16	387.34	406.4	9.53
30	18	434.74	457	11.13
30	20	482.6	508	12.7
30	22	533.6	559	12.7
30	24	581.46	610	14.27
30	28	679.24	711	15.88
30	30	730.24	762	15.88
30	32	781.24	813	15.88
30	34	832.24	864	15.88
30	36	882.24	914	15.88
60	8	198.48	219.1	10.31
60	10	247.6	273	12.7
60	12	295.26	323.8	14.27
60	14	325.42	355.6	15.09
60	16	373.08	406.4	16.66
60	18	418.9	457	19.05
60	20	466.76	508	20.62
60	22	514.54	559	22.23
60	24	560.78	610	24.61
80	0.125	5.48	10.3	2.41
80	0.25	7.66	13.7	3.02
80	0.375	10.7	17.1	3.2
80	0.5	13.84	21.3	3.73
80	0.75	18.88	26.7	3.91
80	1	24.3	33.4	4.55
80	1.25	32.5	42.2	4.85

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
80	1.5	38.14	48.3	5.08
80	2	49.22	60.3	5.54
80	2.5	58.98	73	7.01
80	3	73.66	88.9	7.62
80	3.5	85.44	101.6	8.08
80	4	97.18	114.3	8.56
80	5	122.24	141.3	9.53
80	6	146.36	168.3	10.97
80	8	193.7	219.1	12.7
80	10	242.82	273	15.09
80	12	288.84	323.8	17.48
80	14	317.5	355.6	19.05
80	16	363.52	406.4	21.44
80	18	409.34	457	23.83
80	20	455.62	508	26.19
80	22	501.84	559	28.58
80	24	548.08	610	30.96
100	8	188.92	219.1	15.09
100	10	236.48	273	18.26
100	12	280.92	323.8	21.44
100	14	307.94	355.6	23.83
100	16	354.02	406.4	26.19
100	18	398.28	457	29.36
100	20	442.92	508	32.54
100	22	489.14	559	34.93
100	24	532.22	610	38.89
120	4	92.04	114.3	11.13
120	5	115.9	141.3	12.7
120	6	139.76	168.3	14.27
120	8	182.58	219.1	18.26
120	10	230.12	273	21.44
120	12	273	323.8	25.4
120	14	300.02	355.6	27.79
120	16	344.48	406.4	30.96

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
120	18	387.14	457	34.93
120	20	431.8	508	38.1
120	22	476.44	559	41.28
120	24	517.96	610	46.02
140	8	177.86	219.1	20.62
140	10	222.2	273	25.4
140	12	266.64	323.8	28.58
140	14	292.1	355.6	31.75
140	16	333.34	406.4	36.53
140	18	377.66	457	39.67
140	20	419.1	508	44.45
140	22	463.74	559	47.63
140	24	505.26	610	52.37
160	0.5	11.74	21.3	4.78
160	0.75	15.58	26.7	5.56
160	1	20.7	33.4	6.35
160	1.25	29.5	42.2	6.35
160	1.5	34.02	48.3	7.14
160	2	42.82	60.3	8.74
160	2.5	53.94	73	9.53
160	3	66.64	88.9	11.13
160	4	87.32	114.3	13.49
160	5	109.54	141.3	15.88
160	6	131.78	168.3	18.26
160	8	173.08	219.1	23.01
160	10	215.84	273	28.58
160	12	257.16	323.8	33.32
160	14	284.18	355.6	35.71
160	16	325.42	406.4	40.49
160	18	366.52	457	45.24
160	20	407.98	508	50.01
160	22	451.04	559	53.98
160	24	490.92	610	59.54
STD	0.125	6.84	10.3	1.73

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
STD	0.25	9.22	13.7	2.24
STD	0.375	12.48	17.1	2.31
STD	0.5	15.76	21.3	2.77
STD	0.75	20.96	26.7	2.87
STD	1	26.64	33.4	3.38
STD	1.25	35.08	42.2	3.56
STD	1.5	40.94	48.3	3.68
STD	2	52.48	60.3	3.91
STD	2.5	62.68	73	5.16
STD	3	77.92	88.9	5.49
STD	3.5	90.12	101.6	5.74
STD	4	102.26	114.3	6.02
STD	5	128.2	141.3	6.55
STD	6	154.08	168.3	7.11
STD	8	202.74	219.1	8.18
STD	10	254.46	273	9.27
STD	12	304.74	323.8	9.53
STD	14	336.54	355.6	9.53
STD	16	387.34	406.4	9.53
STD	18	437.94	457	9.53
STD	20	488.94	508	9.53
STD	22	539.94	559	9.53
STD	24	590.94	610	9.53
STD	26	640.94	660	9.53
STD	28	691.94	711	9.53
STD	30	742.94	762	9.53
STD	32	793.94	813	9.53
STD	34	844.94	864	9.53
STD	36	894.94	914	9.53
STD	38	945.94	965	9.53
STD	40	996.94	1016	9.53
STD	42	1047.94	1067	9.53
STD	44	1098.94	1118	9.53
STD	46	1148.94	1168	9.53

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
STD	48	1199.94	1219	9.53
XS	0.125	5.48	10.3	2.41
XS	0.25	7.66	13.7	3.02
XS	0.375	10.7	17.1	3.2
XS	0.5	13.84	21.3	3.73
XS	0.75	18.88	26.7	3.91
XS	1	24.3	33.4	4.55
XS	1.25	32.5	42.2	4.85
XS	1.5	38.14	48.3	5.08
XS	2	49.22	60.3	5.54
XS	2.5	58.98	73	7.01
XS	3	73.66	88.9	7.62
XS	3.5	85.44	101.6	8.08
XS	4	97.18	114.3	8.56
XS	5	122.24	141.3	9.53
XS	6	146.36	168.3	10.97
XS	8	193.7	219.1	12.7
XS	10	247.6	273	12.7
XS	12	298.4	323.8	12.7
XS	14	330.2	355.6	12.7
XS	16	381	406.4	12.7
XS	18	431.6	457	12.7
XS	20	482.6	508	12.7
XS	22	533.6	559	12.7
XS	24	584.6	610	12.7
XS	26	634.6	660	12.7
XS	28	685.6	711	12.7
XS	30	736.6	762	12.7
XS	32	787.6	813	12.7
XS	34	838.6	864	12.7
XS	36	888.6	914	12.7
XS	38	939.6	965	12.7
XS	40	990.6	1016	12.7
XS	42	1041.6	1067	12.7

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
XS	44	1092.6	1118	12.7
XS	46	1142.6	1168	12.7
XS	48	1193.6	1219	12.7
XXS	0.5	6.36	21.3	7.47
XXS	0.75	11.06	26.7	7.82
XXS	1	15.22	33.4	9.09
XXS	1.25	22.8	42.2	9.7
XXS	1.5	28	48.3	10.15
XXS	2	38.16	60.3	11.07
XXS	2.5	44.96	73	14.02
XXS	3	58.42	88.9	15.24
XXS	4	80.06	114.3	17.12
XXS	5	103.2	141.3	19.05
XXS	6	124.4	168.3	21.95
XXS	8	174.64	219.1	22.23
XXS	10	222.2	273	25.4
XXS	12	273	323.8	25.4
5S	0.5	18	21.3	1.65
5S	0.75	23.4	26.7	1.65
5S	1	30.1	33.4	1.65
5S	1.25	38.9	42.2	1.65
5S	1.5	45	48.3	1.65
5S	2	57	60.3	1.65
5S	2.5	68.78	73	2.11
5S	3	84.68	88.9	2.11
5S	3.5	97.38	101.6	2.11
5S	4	110.08	114.3	2.11
5S	5	135.76	141.3	2.77
5S	6	162.76	168.3	2.77
5S	8	213.56	219.1	2.77
5S	10	266.3	273.1	3.4
5S	12	315.98	323.9	3.96
5S	14	347.68	355.6	3.96
5S	16	398.02	406.4	4.19

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
5S	18	448.62	457	4.19
5S	20	498.44	508	4.78
5S	22	549.44	559	4.78
5S	24	598.92	610	5.54
5S	30	749.3	762	6.35
10S	0.125	7.82	10.3	1.24
10S	0.25	10.4	13.7	1.65
10S	0.375	13.8	17.1	1.65
10S	0.5	17.08	21.3	2.11
10S	0.75	22.48	26.7	2.11
10S	1	27.86	33.4	2.77
10S	1.25	36.66	42.2	2.77
10S	1.5	42.76	48.3	2.77
10S	2	54.76	60.3	2.77
10S	2.5	66.9	73	3.05
10S	3	82.8	88.9	3.05
10S	3.5	95.5	101.6	3.05
10S	4	108.2	114.3	3.05
10S	5	134.5	141.3	3.4
10S	6	161.5	168.3	3.4
10S	8	211.58	219.1	3.76
10S	10	264.72	273.1	4.19
10S	12	314.76	323.9	4.57
10S	14	346.04	355.6	4.78
10S	16	396.84	406.4	4.78
10S	18	447.44	457	4.78
10S	20	496.92	508	5.54
10S	22	547.92	559	5.54
10S	24	597.3	610	6.35
10S	30	746.16	762	7.92
40S	0.125	6.84	10.3	1.73
40S	0.25	9.22	13.7	2.24
40S	0.375	12.48	17.1	2.31
40S	0.5	15.76	21.3	2.77

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
40S	0.75	20.96	26.7	2.87
40S	1	26.64	33.4	3.38
40S	1.25	35.08	42.2	3.56
40S	1.5	40.94	48.3	3.68
40S	2	52.48	60.3	3.91
40S	2.5	62.68	73	5.16
40S	3	77.92	88.9	5.49
40S	3.5	90.12	101.6	5.74
40S	4	102.26	114.3	6.02
40S	5	128.2	141.3	6.55
40S	6	154.08	168.3	7.11
40S	8	202.74	219.1	8.18
40S	10	254.56	273.1	9.27
40S	12	304.84	323.9	9.53
40S	14	336.54	355.6	9.53
40S	16	387.34	406.4	9.53
40S	18	437.94	457	9.53
40S	20	488.94	508	9.53
40S	24	590.94	610	9.53
80S	0.125	5.48	10.3	2.41
80S	0.25	7.66	13.7	3.02
80S	0.375	10.7	17.1	3.2
80S	0.5	13.84	21.3	3.73
80S	0.75	18.88	26.7	3.91
80S	1	24.3	33.4	4.55
80S	1.25	32.5	42.2	4.85
80S	1.5	38.14	48.3	5.08
80S	2	49.22	60.3	5.54
80S	2.5	58.98	73	7.01
80S	3	73.66	88.9	7.62
80S	3.5	85.44	101.6	8.08
80S	4	97.18	114.3	8.56
80S	5	122.24	141.3	9.53
80S	6	146.36	168.3	10.97

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
80S	8	193.7	219.1	12.7
80S	10	247.7	273.1	12.7
80S	12	298.5	323.9	12.7
80S	14	330.2	355.6	12.7
80S	16	381	406.4	12.7
80S	18	431.6	457	12.7
80S	20	482.6	508	12.7
80S	24	584.6	610	12.7
40D1527	0.125	6.8326	10.287	1.7272
40D1527	0.25	9.2456	13.716	2.2352
40D1527	0.375	12.5222	17.145	2.3114
40D1527	0.5	15.7988	21.336	2.7686
40D1527	0.75	20.9296	26.67	2.8702
40D1527	1	26.6446	33.401	3.3782
40D1527	1.25	33.528	40.64	3.556
40D1527	1.5	40.894	48.26	3.683
40D1527	2	52.5018	60.325	3.9116
40D1527	2.5	62.7126	73.025	5.1562
40D1527	3	77.9272	88.9	5.4864
40D1527	3.5	90.1192	101.6	5.7404
40D1527	4	102.2604	114.3	6.0198
40D1527	5	128.1938	141.3002	6.5532
40D1527	6	154.051	168.275	7.112
40D1527	8	202.7174	219.075	8.1788
40D1527	10	254.508	273.05	9.271
40D1527	12	303.2252	323.85	10.3124
80D1527	0.125	5.461	10.287	2.413
80D1527	0.25	7.6708	13.716	3.0226
80D1527	0.375	10.7442	17.145	3.2004
80D1527	0.5	13.8684	21.336	3.7338
80D1527	0.75	18.8468	26.67	3.9116
80D1527	1	24.3078	33.401	4.5466
80D1527	1.25	30.9372	40.64	4.8514
80D1527	1.5	38.1	48.26	5.08

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
80D1527	2	49.2506	60.325	5.5372
80D1527	2.5	59.0042	73.025	7.0104
80D1527	3	73.66	88.9	7.62
80D1527	3.5	85.4456	101.6	8.0772
80D1527	4	97.1804	114.3	8.5598
80D1527	5	122.2502	141.3002	9.525
80D1527	6	146.3294	168.275	10.9728
80D1527	8	193.675	219.075	12.7
80D1527	10	242.9256	273.05	15.0622
80D1527	12	288.9504	323.85	17.4498
ABSD2680	8	196.85	239.014	21.082
ABSD2680	10	247.65	298.45	25.4
ABSD2680	12	298.45	357.378	29.464
ABSD2680	15	374.65	447.548	36.449
PVCD2680	8	196.85	239.014	21.082
PVCD2680	10	247.65	298.45	25.4
PVCD2680	12	298.45	357.378	29.464
PVCD2680	15	374.65	447.548	36.449
DR25C900	4	112.14	121.9	4.88
DR25C900	6	161.28	175.3	7.01
DR25C900	8	211.52	229.9	9.19
DR25C900	10	259.34	281.9	11.28
DR25C900	12	308.48	335.3	13.41
DR18C900	4	108.34	121.9	6.78
DR18C900	6	155.84	175.3	9.73
DR18C900	8	204.34	229.9	12.78
DR18C900	10	250.56	281.9	15.67
DR18C900	12	298.06	335.3	18.62
DR14C900	4	104.48	121.9	8.71
DR14C900	6	150.26	175.3	12.52
DR14C900	8	197.08	229.9	16.41
DR14C900	10	241.62	281.9	20.14
DR14C900	12	287.4	335.3	23.95
CIDR51C905	18	475.9	495.3	9.7

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
CIDR51C905	20	527.06	548.6	10.77
CIDR51C905	24	629.6	655.3	12.85
CIDR51C905	30	780.94	812.8	15.93
CIDR51C905	36	934.64	972.8	19.08
CIDR51C905	42	1086	1130.3	22.15
CIDR51C905	48	1239.7	1290.3	25.3
CIDR41C905	14	369.66	388.6	9.47
CIDR41C905	16	420.46	442	10.77
CIDR41C905	18	471.12	495.3	12.09
CIDR41C905	20	521.82	548.6	13.39
CIDR41C905	24	623.34	655.3	15.98
CIDR41C905	30	773.18	812.8	19.81
CIDR41C905	36	925.36	972.8	23.72
CIDR41C905	42	1075.18	1130.3	27.56
CIDR41C905	48	1227.36	1290.3	31.47
CIDR325C905	14	364.68	388.6	11.96
CIDR325C905	16	414.82	442	13.59
CIDR325C905	18	464.82	495.3	15.24
CIDR325C905	20	514.82	548.6	16.89
CIDR325C905	24	614.96	655.3	20.17
CIDR325C905	30	762.76	812.8	25.02
CIDR325C905	36	912.96	972.8	29.92
CIDR325C905	42	1060.76	1130.3	34.77
CIDR325C905	48	1210.9	1290.3	39.7
CIDR25C905	14	357.52	388.6	15.54
CIDR25C905	16	406.64	442	17.68
CIDR25C905	18	455.68	495.3	19.81
CIDR25C905	20	504.7	548.6	21.95
CIDR25C905	24	602.88	655.3	26.21
CIDR25C905	30	747.78	812.8	32.51
CIDR25C905	36	894.98	972.8	38.91
CIDR25C905	42	1039.88	1130.3	45.21
CIDR25C905	48	1187.08	1290.3	51.61
CIDR21C905	14	351.58	388.6	18.51

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
CIDR21C905	16	399.9	442	21.05
CIDR21C905	18	448.1	495.3	23.6
CIDR21C905	20	496.32	548.6	26.14
CIDR21C905	24	592.86	655.3	31.22
CIDR21C905	30	735.38	812.8	38.71
CIDR21C905	36	880.14	972.8	46.33
CIDR18C905	14	345.42	388.6	21.59
CIDR18C905	16	392.88	442	24.56
CIDR18C905	18	440.28	495.3	27.51
CIDR18C905	20	487.64	548.6	30.48
CIDR18C905	24	582.5	655.3	36.4
CIDR18C905	30	722.48	812.8	45.16
CIDR14C905	14	333.08	388.6	27.76
CIDR14C905	16	378.86	442	31.57
CIDR14C905	18	424.54	495.3	35.38
IPSDR21	14	321.76	355.6	16.92
IPSDR21	16	367.7	406.4	19.35
IPSDR21	18	413.66	457.2	21.77
IPSDR21	20	459.64	508	24.18
IPSDR21	24	551.54	609.6	29.03
IPSDR21	30	689.46	762	36.27
IPSDR21	36	827.32	914.4	43.54
IPSDR26	14	328.26	355.6	13.67
IPSDR26	16	375.16	406.4	15.62
IPSDR26	18	422.04	457.2	17.58
IPSDR26	20	468.94	508	19.53
IPSDR26	24	562.72	609.6	23.44
IPSDR26	30	703.38	762	29.31
IPSDR26	36	844.04	914.4	35.18
IPSDR325	14	333.76	355.6	10.92
IPSDR325	16	381.4	406.4	12.5
IPSDR325	18	429.06	457.2	14.07
IPSDR325	20	476.76	508	15.62
IPSDR325	24	572.1	609.6	18.75

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
IPSDR325	30	715.12	762	23.44
IPSDR325	36	858.12	914.4	28.14
IPSDR41	14	338.28	355.6	8.66
IPSDR41	16	386.58	406.4	9.91
IPSDR41	18	434.9	457.2	11.15
IPSDR41	20	483.2	508	12.4
IPSDR41	24	579.88	609.6	14.86
IPSDR41	30	724.82	762	18.59
IPSDR41	36	869.8	914.4	22.3
PS115F679	18	440.9186	475.0054	17.0434
PS115F679	21	519.811	559.9938	20.0914
PS115F679	24	584.835	629.9962	22.5806
PS115F679	27	659.1046	710.0062	25.4508
PS115F679	30	754.4816	812.8	29.1592
PS115F679	36	903.0716	972.82	34.8742
PS115F679	42	1049.2232	1130.3	40.5384
PS115F679	48	1197.7624	1290.32	46.2788
PS115F679	54	1357.1728	1462.024	52.4256
PS115F679	60	1452.626	1564.894	56.134
PS75F679	18	445.3382	475.0054	14.8336
PS75F679	21	524.9926	559.9938	17.5006
PS75F679	24	590.6262	629.9962	19.685
PS75F679	27	665.607	710.0062	22.1996
PS75F679	30	762	812.8	25.4
PS75F679	36	912.0124	972.82	30.4038
PS75F679	42	1059.6372	1130.3	35.3314
PS75F679	48	1209.6496	1290.32	40.3352
PS75F679	54	1370.6348	1462.024	45.6946
PS75F679	60	1467.0532	1564.894	48.9204
PS46F679	18	449.6562	475.0054	12.6746
PS46F679	21	530.1234	559.9938	14.9352
PS46F679	24	596.4174	629.9962	16.7894
PS46F679	27	672.1602	710.0062	18.923
PS46F679	30	769.4676	812.8	21.6662

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
PS46F679	36	920.9532	972.82	25.9334
PS46F679	42	1070.0004	1130.3	30.1498
PS46F679	48	1221.486	1290.32	34.417
PS46F679	54	1384.046	1462.024	38.989
PS46F679	60	1481.4296	1564.894	41.7322
PVCD2665	1.25	35.052	42.164	3.556
PVCD2665	1.5	40.894	48.26	3.683
PVCD2665	2	52.5018	60.325	3.9116
PVCD2665	3	77.9272	88.9	5.4864
PVCD2665	4	102.2604	114.3	6.0198
PVCD2665	6	154.051	168.275	7.112
PVCD2665	8	202.7174	219.075	8.1788
PVCD2665	10	254.508	273.05	9.271
PVCD2665	12	303.2252	323.85	10.3124
PVCD2665	14	333.756	355.6	10.922
PVCD2665	16	381	406.4	12.7
PVCD2665	18	428.6504	457.2	14.2748
PVCD2665	20	477.8756	508	15.0622
PVCD2665	24	574.7004	609.6	17.4498
40D1785	0.125	6.8326	10.287	1.7272
40D1785	0.25	9.2456	13.716	2.2352
40D1785	0.375	12.5222	17.145	2.3114
40D1785	0.5	15.7988	21.336	2.7686
40D1785	0.75	20.9296	26.67	2.8702
40D1785	1	26.6446	33.401	3.3782
40D1785	1.25	35.052	42.164	3.556
40D1785	1.5	40.894	48.26	3.683
40D1785	2	52.5018	60.325	3.9116
40D1785	2.5	62.7126	73.025	5.1562
40D1785	3	77.9272	88.9	5.4864
40D1785	3.5	90.1192	101.6	5.7404
40D1785	4	102.2604	114.3	6.0198
40D1785	5	128.1938	141.3002	6.5532
40D1785	6	154.051	168.275	7.112

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
40D1785	8	202.7174	219.075	8.1788
40D1785	10	254.508	273.05	9.271
40D1785	12	303.2252	323.85	10.3124
40D1785	14	333.4004	355.6	11.0998
40D1785	16	381	406.4	12.7
40D1785	18	428.6504	457.2	14.2748
40D1785	20	477.8756	508	15.0622
40D1785	24	574.7004	609.6	17.4498
80D1785	0.125	5.461	10.287	2.413
80D1785	0.25	7.6708	13.716	3.0226
80D1785	0.375	10.7442	17.145	3.2004
80D1785	0.5	13.8684	21.336	3.7338
80D1785	0.75	18.8468	26.67	3.9116
80D1785	1	24.3078	33.401	4.5466
80D1785	1.25	32.4612	42.164	4.8514
80D1785	1.5	38.1	48.26	5.08
80D1785	2	49.2506	60.325	5.5372
80D1785	2.5	59.0042	73.025	7.0104
80D1785	3	73.66	88.9	7.62
80D1785	3.5	85.4456	101.6	8.0772
80D1785	4	97.1804	114.3	8.5598
80D1785	5	122.2502	141.3002	9.525
80D1785	6	146.3294	168.275	10.9728
80D1785	8	193.675	219.075	12.7
80D1785	10	242.9256	273.05	15.0622
80D1785	12	288.9504	323.85	17.4498
80D1785	14	317.5	355.6	19.05
80D1785	16	363.5756	406.4	21.4122
80D1785	18	409.6004	457.2	23.7998
80D1785	20	455.6252	508	26.1874
80D1785	24	547.7256	609.6	30.9372
120D1785	0.5	12.7	21.336	4.318
120D1785	0.75	18.034	26.67	4.318
120D1785	1	23.241	33.401	5.08

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
120D1785	1.25	31.242	42.164	5.461
120D1785	1.5	36.83	48.26	5.715
120D1785	2	47.625	60.325	6.35
120D1785	2.5	57.785	73.025	7.62
120D1785	3	71.12	88.9	8.89
120D1785	3.5	83.82	101.6	8.89
120D1785	4	92.1004	114.3	11.0998
120D1785	5	115.9002	141.3002	12.7
120D1785	6	139.7254	168.275	14.2748
120D1785	8	182.6006	219.075	18.2372
120D1785	10	230.2256	273.05	21.4122
120D1785	12	273.05	323.85	25.4
DR135D2241	0.125	7.239	10.287	1.524
DR135D2241	0.25	10.668	13.716	1.524
DR135D2241	0.375	14.097	17.145	1.524
DR135D2241	0.5	18.1864	21.336	1.5748
DR135D2241	0.75	22.7076	26.67	1.9812
DR135D2241	1	28.4734	33.401	2.4638
DR135D2241	1.25	35.9156	42.164	3.1242
DR135D2241	1.5	41.0972	48.26	3.5814
DR135D2241	2	51.3842	60.325	4.4704
DR135D2241	2.5	62.2046	73.025	5.4102
DR135D2241	3	75.7428	88.9	6.5786
DR135D2241	3.5	86.5632	101.6	7.5184
DR135D2241	4	97.3836	114.3	8.4582
DR135D2241	5	120.3706	141.3002	10.4648
DR135D2241	6	143.3322	168.275	12.4714
DR17D2241	0.75	23.5204	26.67	1.5748
DR17D2241	1	29.4894	33.401	1.9558
DR17D2241	1.25	37.1856	42.164	2.4892
DR17D2241	1.5	42.5704	48.26	2.8448
DR17D2241	2	53.213	60.325	3.556
DR17D2241	2.5	64.4398	73.025	4.2926
DR17D2241	3	78.4352	88.9	5.2324

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR17D2241	3.5	89.662	101.6	5.969
DR17D2241	4	100.838	114.3	6.731
DR17D2241	5	124.6886	141.3002	8.3058
DR17D2241	6	148.463	168.275	9.906
DR17D2241	8	193.2686	219.075	12.9032
DR17D2241	10	240.9444	273.05	16.0528
DR17D2241	12	285.75	323.85	19.05
DR17D2241	14	313.7916	355.6	20.9042
DR17D2241	16	358.5972	406.4	23.9014
DR17D2241	18	403.4028	457.2	26.8986
DR17D2241	20	448.2592	508	29.8704
DR17D2241	24	537.8704	609.6	35.8648
DR17D2241	30	672.338	762	44.831
DR17D2241	36	806.8056	914.4	53.7972
DR21D2241	0.75	23.622	26.67	1.524
DR21D2241	1	30.2006	33.401	1.6002
DR21D2241	1.25	38.1508	42.164	2.0066
DR21D2241	1.5	43.688	48.26	2.286
DR21D2241	2	54.5846	60.325	2.8702
DR21D2241	2.5	66.0654	73.025	3.4798
DR21D2241	3	80.4164	88.9	4.2418
DR21D2241	3.5	91.948	101.6	4.826
DR21D2241	4	103.4288	114.3	5.4356
DR21D2241	5	127.8382	141.3002	6.731
DR21D2241	6	152.2222	168.275	8.0264
DR21D2241	8	198.247	219.075	10.414
DR21D2241	10	247.0912	273.05	12.9794
DR21D2241	12	293.0652	323.85	15.3924
DR21D2241	14	321.7672	355.6	16.9164
DR21D2241	16	367.6904	406.4	19.3548
DR21D2241	18	413.6644	457.2	21.7678
DR21D2241	20	459.6384	508	24.1808
DR21D2241	24	551.5356	609.6	29.0322
DR21D2241	30	689.4576	762	36.2712

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR21D2241	36	827.3288	914.4	43.5356
DR26D2241	1	30.353	33.401	1.524
DR26D2241	1.25	38.9128	42.164	1.6256
DR26D2241	1.5	44.5516	48.26	1.8542
DR26D2241	2	55.7022	60.325	2.3114
DR26D2241	2.5	67.437	73.025	2.794
DR26D2241	3	82.042	88.9	3.429
DR26D2241	3.5	93.7768	101.6	3.9116
DR26D2241	4	105.5116	114.3	4.3942
DR26D2241	5	130.429	141.3002	5.4356
DR26D2241	6	155.321	168.275	6.477
DR26D2241	8	202.2094	219.075	8.4328
DR26D2241	10	252.0696	273.05	10.4902
DR26D2241	12	298.958	323.85	12.446
DR26D2241	14	328.2696	355.6	13.6652
DR26D2241	16	375.158	406.4	15.621
DR26D2241	18	422.0464	457.2	17.5768
DR26D2241	20	468.9348	508	19.5326
DR26D2241	24	562.7116	609.6	23.4442
DR26D2241	30	703.3768	762	29.3116
DR26D2241	36	844.042	914.4	35.179
DR325D2241	1.25	39.116	42.164	1.524
DR325D2241	1.5	45.212	48.26	1.524
DR325D2241	2	56.6166	60.325	1.8542
DR325D2241	2.5	68.5546	73.025	2.2352
DR325D2241	3	83.4136	88.9	2.7432
DR325D2241	3.5	95.3516	101.6	3.1242
DR325D2241	4	107.2896	114.3	3.5052
DR325D2241	5	132.6134	141.3002	4.3434
DR325D2241	6	157.9118	168.275	5.1816
DR325D2241	8	205.613	219.075	6.731
DR325D2241	10	256.2352	273.05	8.4074
DR325D2241	12	303.9364	323.85	9.9568
DR325D2241	14	333.756	355.6	10.922

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR325D2241	16	381.4064	406.4	12.4968
DR325D2241	18	429.0568	457.2	14.0716
DR325D2241	20	476.758	508	15.621
DR325D2241	24	572.1096	609.6	18.7452
DR325D2241	30	715.1116	762	23.4442
DR325D2241	36	858.1136	914.4	28.1432
DR41D2241	3	84.582	88.9	2.159
DR41D2241	3.5	96.6216	101.6	2.4892
DR41D2241	4	108.712	114.3	2.794
DR41D2241	5	134.3914	141.3002	3.4544
DR41D2241	6	160.0454	168.275	4.1148
DR41D2241	8	208.407	219.075	5.334
DR41D2241	10	259.7404	273.05	6.6548
DR41D2241	12	308.0512	323.85	7.8994
DR41D2241	14	338.2772	355.6	8.6614
DR41D2241	16	386.588	406.4	9.906
DR41D2241	18	434.8988	457.2	11.1506
DR41D2241	20	483.2096	508	12.3952
DR41D2241	24	579.882	609.6	14.859
DR41D2241	30	724.8144	762	18.5928
DR41D2241	36	869.7976	914.4	22.3012
DR64D2241	4	110.744	114.3	1.778
DR64D2241	5	136.8806	141.3002	2.2098
DR64D2241	6	162.9918	168.275	2.6416
DR64D2241	8	212.217	219.075	3.429
DR64D2241	10	264.5156	273.05	4.2672
DR64D2241	12	313.7408	323.85	5.0546
DR21D2241CTS	1	25.527	28.575	1.524
DR21D2241CTS	1.25	31.623	34.925	1.651
DR21D2241CTS	1.5	37.3634	41.275	1.9558
DR21D2241CTS	2	48.8442	53.975	2.5654
DR17D2241CTS	0.75	19.177	22.225	1.524
DR17D2241CTS	1	25.2222	28.575	1.6764
DR17D2241CTS	1.25	30.8102	34.925	2.0574

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR17D2241CTS	1.5	36.3982	41.275	2.4384
DR17D2241CTS	2	47.625	53.975	3.175
DR135D2241CTS	0.5	12.827	15.875	1.524
DR135D2241CTS	0.75	18.923	22.225	1.651
DR135D2241CTS	1	24.3586	28.575	2.1082
DR135D2241CTS	1.25	29.7434	34.925	2.5908
DR135D2241CTS	1.5	35.179	41.275	3.048
DR135D2241CTS	2	45.9994	53.975	3.9878
DR11D2241CTS	0.5	12.827	15.875	1.524
DR11D2241CTS	0.75	18.161	22.225	2.032
DR11D2241CTS	1	23.3934	28.575	2.5908
DR11D2241CTS	1.25	28.575	34.925	3.175
DR11D2241CTS	1.5	33.7566	41.275	3.7592
DR11D2241CTS	2	44.1706	53.975	4.9022
DR21D2241PIP	15	351.6376	388.62	18.4912
DR26D2241PIP	15	358.7496	388.62	14.9352
DR26D2241PIP	18	438.4802	475.0054	18.2626
DR26D2241PIP	21	516.9154	559.9938	21.5392
DR26D2241PIP	24	581.533	629.9962	24.2316
DR26D2241PIP	27	655.3962	710.0062	27.305
DR325D2241PIP	6	146.3548	155.956	4.8006
DR325D2241PIP	8	194.5132	207.264	6.3754
DR325D2241PIP	10	243.1288	259.08	7.9756
DR325D2241PIP	12	291.7444	310.896	9.5758
DR325D2241PIP	15	364.6932	388.62	11.9634
DR325D2241PIP	18	445.7954	475.0054	14.605
DR325D2241PIP	21	525.5514	559.9938	17.2212
DR325D2241PIP	24	591.2358	629.9962	19.3802
DR325D2241PIP	27	666.3182	710.0062	21.844
DR35D2241PIP	15	366.4204	388.62	11.0998
DR35D2241PIP	18	447.8782	475.0054	13.5636
DR35D2241PIP	21	527.9898	559.9938	16.002
DR35D2241PIP	24	593.979	629.9962	18.0086
DR35D2241PIP	27	669.417	710.0062	20.2946

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR41D2241PIP	6	148.336	155.956	3.81
DR41D2241PIP	8	197.1548	207.264	5.0546
DR41D2241PIP	10	246.4308	259.08	6.3246
DR41D2241PIP	12	295.7068	310.896	7.5946
DR41D2241PIP	15	369.6716	388.62	9.4742
DR41D2241PIP	18	451.8406	475.0054	11.5824
DR41D2241PIP	21	532.6634	559.9938	13.6652
DR41D2241PIP	24	599.2622	629.9962	15.367
DR41D2241PIP	27	675.3606	710.0062	17.3228
DR51D2241PIP	6	149.86	155.956	3.048
DR51D2241PIP	8	199.136	207.264	4.064
DR51D2241PIP	10	248.92	259.08	5.08
DR51D2241PIP	12	298.704	310.896	6.096
DR51D2241PIP	15	373.38	388.62	7.62
DR51D2241PIP	18	456.4126	475.0054	9.2964
DR51D2241PIP	21	538.0482	559.9938	10.9728
DR51D2241PIP	24	605.3074	629.9962	12.3444
DR51D2241PIP	27	682.1678	710.0062	13.9192
DR81D2241PIP	6	152.0952	155.956	1.9304
DR81D2241PIP	8	202.1332	207.264	2.5654
DR81D2241PIP	10	252.6792	259.08	3.2004
DR81D2241PIP	12	303.2252	310.896	3.8354
DR81D2241PIP	15	379.0188	388.62	4.8006
S40F441IPS	0.25	9.2456	13.716	2.2352
S40F441IPS	0.375	12.5222	17.145	2.3114
S40F441IPS	0.5	15.7988	21.336	2.7686
S40F441IPS	0.75	20.9296	26.67	2.8702
S40F441IPS	1	26.6446	33.401	3.3782
S40F441IPS	1.25	35.052	42.164	3.556
S40F441IPS	1.5	40.894	48.26	3.683
S40F441IPS	2	52.5018	60.325	3.9116
S40F441IPS	2.5	62.7126	73.025	5.1562
S40F441IPS	3	77.9272	88.9	5.4864
S40F441IPS	3.5	90.1192	101.6	5.7404

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
S40F441IPS	4	102.2604	114.3	6.0198
S40F441IPS	5	128.1938	141.3002	6.5532
S40F441IPS	6	154.051	168.275	7.112
S40F441IPS	8	202.7174	219.075	8.1788
S40F441IPS	10	254.508	273.05	9.271
S40F441IPS	12	303.2252	323.85	10.3124
S40F441IPS	14	333.4004	355.6	11.0998
S40F441IPS	16	381	406.4	12.7
S80F441IPS	0.25	7.6708	13.716	3.0226
S80F441IPS	0.375	10.7442	17.145	3.2004
S80F441IPS	0.5	13.8684	21.336	3.7338
S80F441IPS	0.75	18.8468	26.67	3.9116
S80F441IPS	1	24.3078	33.401	4.5466
S80F441IPS	1.25	32.4612	42.164	4.8514
S80F441IPS	1.5	38.1	48.26	5.08
S80F441IPS	2	49.2506	60.325	5.5372
S80F441IPS	2.5	59.0042	73.025	7.0104
S80F441IPS	3	73.66	88.9	7.62
S80F441IPS	3.5	85.4456	101.6	8.0772
S80F441IPS	4	97.1804	114.3	8.5598
S80F441IPS	5	122.2502	141.3002	9.525
S80F441IPS	6	146.3294	168.275	10.9728
S80F441IPS	8	193.675	219.075	12.7
S80F441IPS	10	242.9256	273.05	15.0622
S80F441IPS	12	288.9504	323.85	17.4498
S80F441IPS	14	317.5	355.6	19.05
S80F441IPS	16	363.5756	406.4	21.4122
S40F441SI	8	9.22	13.7	2.24
S40F441SI	10	12.48	17.1	2.31
S40F441SI	15	15.76	21.3	2.77
S40F441SI	20	20.96	26.7	2.87
S40F441SI	25	26.64	33.4	3.38
S40F441SI	32	35.08	42.2	3.56
S40F441SI	40	40.94	48.3	3.68

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
S40F441SI	50	52.48	60.3	3.91
S40F441SI	65	62.68	73	5.16
S40F441SI	80	77.92	88.9	5.49
S40F441SI	90	90.12	101.6	5.74
S40F441SI	100	102.26	114.3	6.02
S40F441SI	125	128.2	141.3	6.55
S40F441SI	150	154.08	168.3	7.11
S40F441SI	200	202.74	219.1	8.18
S40F441SI	250	254.56	273.1	9.27
S40F441SI	300	303.28	323.9	10.31
S40F441SI	350	333.4	355.6	11.1
S40F441SI	400	381	406.4	12.7
S80F441SI	8	7.66	13.7	3.02
S80F441SI	10	10.7	17.1	3.2
S80F441SI	15	13.84	21.3	3.73
S80F441SI	20	18.88	26.7	3.91
S80F441SI	25	24.3	33.4	4.55
S80F441SI	32	32.5	42.2	4.85
S80F441SI	40	38.14	48.3	5.08
S80F441SI	50	49.22	60.3	5.54
S80F441SI	65	58.98	73	7.01
S80F441SI	80	73.66	88.9	7.62
S80F441SI	90	85.44	101.6	8.08
S80F441SI	100	97.18	114.3	8.56
S80F441SI	125	122.26	141.3	9.52
S80F441SI	150	146.36	168.3	10.97
S80F441SI	200	193.7	219.1	12.7
S80F441SI	250	242.98	273.1	15.06
S80F441SI	300	289	323.9	17.45
S80F441SI	350	317.5	355.6	19.05
S80F441SI	400	364.12	406.4	21.14
DR325F2619SI	4	107.28	114.3	3.51
DR325F2619SI	5	132.6	141.3	4.35
DR325F2619SI	6	157.92	168.28	5.18

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR325F2619SI	8	205.62	219.08	6.73
DR325F2619SI	10	256.23	273.05	8.41
DR325F2619SI	12	303.93	323.85	9.96
DR325F2619SI	14	333.7	355.6	10.95
DR325F2619SI	16	381.4	406.4	12.5
DR325F2619SI	18	429.06	457.2	14.07
DR325F2619SI	20	476.76	508	15.62
DR325F2619SI	22	524.4	558.8	17.2
DR325F2619SI	24	572.1	609.6	18.75
DR325F2619SI	26	619.76	660.4	20.32
DR325F2619SI	28	667.42	711.2	21.89
DR325F2619SI	30	715.12	762	23.44
DR325F2619SI	32	762.76	812.8	25.02
DR325F2619SI	34	810.46	863.6	26.57
DR325F2619SI	36	858.12	914.4	28.14
DR325F2619SI	42	1001.16	1066.8	32.82
DR325F2619SI	48	1144.16	1219.2	37.52
DR325F2619SI	54	1287.18	1371.6	42.21
DR325F2619SI	63	1501.76	1600.2	49.22
DR325F2619SI	65	1549.4	1651	50.8
DR26F2619SI	4	105.52	114.3	4.39
DR26F2619SI	5	130.44	141.3	5.43
DR26F2619SI	6	155.32	168.28	6.48
DR26F2619SI	8	202.22	219.08	8.43
DR26F2619SI	10	252.07	273.05	10.49
DR26F2619SI	12	298.95	323.85	12.45
DR26F2619SI	14	328.26	355.6	13.67
DR26F2619SI	16	375.16	406.4	15.62
DR26F2619SI	18	422.04	457.2	17.58
DR26F2619SI	20	467.56	508	20.22
DR26F2619SI	22	515.82	558.8	21.49
DR26F2619SI	24	562.72	609.6	23.44
DR26F2619SI	26	609.6	660.4	25.4
DR26F2619SI	28	656.48	711.2	27.36

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR26F2619SI	30	703.38	762	29.31
DR26F2619SI	32	750.26	812.8	31.27
DR26F2619SI	34	797.16	863.6	33.22
DR26F2619SI	36	844.04	914.4	35.18
DR26F2619SI	42	984.76	1066.8	41.02
DR26F2619SI	48	1125.42	1219.2	46.89
DR26F2619SI	54	1266.08	1371.6	52.76
DR26F2619SI	63	1477.1	1600.2	61.55
DR26F2619SI	65	1524	1651	63.5
DR21F2619SI	2.5	66.07	73.03	3.48
DR21F2619SI	3	80.42	88.9	4.24
DR21F2619SI	4	103.42	114.3	5.44
DR21F2619SI	5	127.84	141.3	6.73
DR21F2619SI	6	152.28	168.28	8
DR21F2619SI	8	198.2	219.08	10.44
DR21F2619SI	10	247.05	273.05	13
DR21F2619SI	12	293.01	323.85	15.42
DR21F2619SI	14	321.72	355.6	16.94
DR21F2619SI	16	367.7	406.4	19.35
DR21F2619SI	18	413.66	457.2	21.77
DR21F2619SI	20	459.64	508	24.18
DR21F2619SI	22	505.56	558.8	26.62
DR21F2619SI	24	551.54	609.6	29.03
DR21F2619SI	26	597.5	660.4	31.45
DR21F2619SI	28	643.48	711.2	33.86
DR21F2619SI	30	689.4	762	36.3
DR21F2619SI	32	735.38	812.8	38.71
DR21F2619SI	34	781.36	863.6	41.12
DR21F2619SI	36	827.32	914.4	43.54
DR21F2619SI	42	965.2	1066.8	50.8
DR21F2619SI	48	1103.08	1219.2	58.06
DR21F2619SI	54	1241	1371.6	65.3
DR21F2619SI	63	1447.8	1600.2	76.2
DR21F2619SI	65	1493.78	1651	78.61

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR17F2619SI	2	53.21	60.33	3.56
DR17F2619SI	2.5	64.45	73.03	4.29
DR17F2619SI	3	78.44	88.9	5.23
DR17F2619SI	4	100.84	114.3	6.73
DR17F2619SI	5	124.68	141.3	8.31
DR17F2619SI	6	148.46	168.28	9.91
DR17F2619SI	8	193.32	219.08	12.88
DR17F2619SI	10	240.95	273.05	16.05
DR17F2619SI	12	285.75	323.85	19.05
DR17F2619SI	14	313.74	355.6	20.93
DR17F2619SI	16	358.6	406.4	23.9
DR17F2619SI	18	403.4	457.2	26.9
DR17F2619SI	20	448.26	508	29.87
DR17F2619SI	22	493.06	558.8	32.87
DR17F2619SI	24	537.88	609.6	35.86
DR17F2619SI	26	582.72	660.4	38.84
DR17F2619SI	28	627.54	711.2	41.83
DR17F2619SI	30	672.34	762	44.83
DR17F2619SI	32	717.2	812.8	47.8
DR17F2619SI	34	762	863.6	50.8
DR17F2619SI	36	806.8	914.4	53.8
DR17F2619SI	42	941.28	1066.8	62.76
DR17F2619SI	48	1075.74	1219.2	71.73
DR17F2619SI	54	1210.26	1371.6	80.67
DR135F2619SI	0.5	18.18	21.34	1.58
DR135F2619SI	0.75	22.71	26.67	1.98
DR135F2619SI	1	28.48	33.4	2.46
DR135F2619SI	1.25	35.92	42.16	3.12
DR135F2619SI	1.5	41.1	48.26	3.58
DR135F2619SI	2	51.39	60.33	4.47
DR135F2619SI	2.5	62.21	73.03	5.41
DR135F2619SI	3	75.74	88.9	6.58
DR135F2619SI	4	97.38	114.3	8.46
DR135F2619SI	5	120.36	141.3	10.47

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR135F2619SI	6	143.34	168.28	12.47
DR135F2619SI	8	186.62	219.08	16.23
DR135F2619SI	10	232.61	273.05	20.22
DR135F2619SI	12	275.89	323.85	23.98
DR135F2619SI	14	302.92	355.6	26.34
DR135F2619SI	16	346.2	406.4	30.1
DR135F2619SI	18	389.48	457.2	33.86
DR135F2619SI	20	432.76	508	37.62
DR135F2619SI	22	476	558.8	41.4
DR135F2619SI	24	519.28	609.6	45.16
DR135F2619SI	26	562.56	660.4	48.92
DR135F2619SI	28	605.84	711.2	52.68
DR135F2619SI	30	649.12	762	56.44
DR135F2619SI	32	692.4	812.8	60.2
DR135F2619SI	34	735.64	863.6	63.98
DR135F2619SI	36	778.92	914.4	67.74
DR135F2619SI	42	908.76	1066.8	79.02
DR11F2619SI	0.5	17.48	21.34	1.93
DR11F2619SI	0.75	21.85	26.67	2.41
DR11F2619SI	1	27.3	33.4	3.05
DR11F2619SI	1.25	34.48	42.16	3.84
DR11F2619SI	1.5	39.48	48.26	4.39
DR11F2619SI	2	49.35	60.33	5.49
DR11F2619SI	2.5	59.77	73.03	6.63
DR11F2619SI	3	72.74	88.9	8.08
DR11F2619SI	4	93.52	114.3	10.39
DR11F2619SI	5	115.6	141.3	12.85
DR11F2619SI	6	137.7	168.28	15.29
DR11F2619SI	8	179.26	219.08	19.91
DR11F2619SI	10	223.41	273.05	24.82
DR11F2619SI	12	264.97	323.85	29.44
DR11F2619SI	14	290.94	355.6	32.33
DR11F2619SI	16	332.48	406.4	36.96
DR11F2619SI	18	374.1	457.2	41.55

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR11F2619SI	20	415.64	508	46.18
DR11F2619SI	22	457.2	558.8	50.8
DR11F2619SI	24	498.76	609.6	55.42
DR11F2619SI	26	540.3	660.4	60.05
DR11F2619SI	28	586.74	711.2	62.23
DR11F2619SI	30	623.46	762	69.27
DR11F2619SI	32	665.02	812.8	73.89
DR11F2619SI	34	706.58	863.6	78.51
DR11F2619SI	36	748.14	914.4	83.13
DR9F2619SI	0.5	16.62	21.34	2.36
DR9F2619SI	0.75	20.73	26.67	2.97
DR9F2619SI	1	25.98	33.4	3.71
DR9F2619SI	1.25	32.82	42.16	4.67
DR9F2619SI	1.5	37.54	48.26	5.36
DR9F2619SI	2	46.91	60.33	6.71
DR9F2619SI	2.5	56.83	73.03	8.1
DR9F2619SI	3	69.14	88.9	9.88
DR9F2619SI	4	88.9	114.3	12.7
DR9F2619SI	5	109.9	141.3	15.7
DR9F2619SI	6	130.9	168.28	18.69
DR9F2619SI	8	170.42	219.08	24.33
DR9F2619SI	10	212.39	273.05	30.33
DR9F2619SI	12	251.87	323.85	35.99
DR9F2619SI	14	276.56	355.6	39.52
DR9F2619SI	16	316.08	406.4	45.16
DR9F2619SI	18	355.6	457.2	50.8
DR9F2619SI	20	395.12	508	56.44
DR9F2619SI	22	434.64	558.8	62.08
DR9F2619SI	24	474.12	609.6	67.74
DR9F2619SI	26	513.64	660.4	73.38
DR9F2619SI	28	553.16	711.2	79.02
DR9F2619SI	30	592.68	762	84.66
DR73F2619SI	0.5	15.5	21.34	2.92
DR73F2619SI	0.75	19.35	26.67	3.66

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR73F2619SI	1	24.26	33.4	4.57
DR73F2619SI	1.25	30.62	42.16	5.77
DR73F2619SI	1.5	35.06	48.26	6.6
DR73F2619SI	2	43.81	60.33	8.26
DR73F2619SI	2.5	53.03	73.03	10
DR73F2619SI	3	64.56	88.9	12.17
DR73F2619SI	4	83	114.3	15.65
DR73F2619SI	5	102.58	141.3	19.36
DR73F2619SI	6	122.16	168.28	23.06
DR73F2619SI	8	159.04	219.08	30.02
DR73F2619SI	10	198.23	273.05	37.41
DR73F2619SI	12	235.11	323.85	44.37
DR73F2619SI	14	258.16	355.6	48.72
DR73F2619SI	16	295.04	406.4	55.68
DR73F2619SI	18	331.92	457.2	62.64
DR73F2619SI	20	368.8	508	69.6
DR73F2619SI	22	405.68	558.8	76.56
DR73F2619SI	24	442.56	609.6	83.52
DR7F2619SI	0.5	15.24	21.34	3.05
DR7F2619SI	0.75	19.05	26.67	3.81
DR7F2619SI	1	23.84	33.4	4.78
DR7F2619SI	1.25	30.12	42.16	6.02
DR7F2619SI	1.5	34.5	48.26	6.88
DR7F2619SI	2	43.11	60.33	8.61
DR7F2619SI	2.5	52.17	73.03	10.43
DR7F2619SI	3	63.5	88.9	12.7
DR7F2619SI	4	81.64	114.3	16.33
DR7F2619SI	5	100.92	141.3	20.19
DR7F2619SI	6	120.22	168.28	24.03
DR7F2619SI	8	156.5	219.08	31.29
DR7F2619SI	10	195.03	273.05	39.01
DR7F2619SI	12	231.35	323.85	46.25
DR7F2619SI	14	254	355.6	50.8
DR7F2619SI	16	290.28	406.4	58.06

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR7F2619SI	18	326.6	457.2	65.3
DR7F2619SI	20	362.86	508	72.57
DR7F2619SI	22	399.14	558.8	79.83
DR7F2619SI	24	435.4	609.6	87.1
DR325F2619IPS	4	107.2896	114.3	3.5052
DR325F2619IPS	5	132.6134	141.3002	4.3434
DR325F2619IPS	6	157.9118	168.275	5.1816
DR325F2619IPS	8	205.613	219.075	6.731
DR325F2619IPS	10	256.2352	273.05	8.4074
DR325F2619IPS	12	303.9364	323.85	9.9568
DR325F2619IPS	14	333.7052	355.6	10.9474
DR325F2619IPS	16	381.4064	406.4	12.4968
DR325F2619IPS	18	429.0568	457.2	14.0716
DR325F2619IPS	20	476.758	508	15.621
DR325F2619IPS	22	524.4084	558.8	17.1958
DR325F2619IPS	24	572.1096	609.6	18.7452
DR325F2619IPS	26	619.76	660.4	20.32
DR325F2619IPS	28	667.4104	711.2	21.8948
DR325F2619IPS	30	715.1116	762	23.4442
DR325F2619IPS	32	762.762	812.8	25.019
DR325F2619IPS	34	810.4632	863.6	26.5684
DR325F2619IPS	36	858.1136	914.4	28.1432
DR325F2619IPS	42	1001.1664	1066.8	32.8168
DR325F2619IPS	48	1144.1684	1219.2	37.5158
DR325F2619IPS	54	1287.1704	1371.6	42.2148
DR325F2619IPS	63	1501.7496	1600.2	49.2252
DR325F2619IPS	65	1549.4	1651	50.8
DR26F2619IPS	4	105.5116	114.3	4.3942
DR26F2619IPS	5	130.429	141.3002	5.4356
DR26F2619IPS	6	155.321	168.275	6.477
DR26F2619IPS	8	202.2094	219.075	8.4328
DR26F2619IPS	10	252.0696	273.05	10.4902
DR26F2619IPS	12	298.958	323.85	12.446
DR26F2619IPS	14	328.2696	355.6	13.6652

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR26F2619IPS	16	375.158	406.4	15.621
DR26F2619IPS	18	422.0464	457.2	17.5768
DR26F2619IPS	20	468.9348	508	19.5326
DR26F2619IPS	22	515.8232	558.8	21.4884
DR26F2619IPS	24	562.7116	609.6	23.4442
DR26F2619IPS	26	609.6	660.4	25.4
DR26F2619IPS	28	656.4884	711.2	27.3558
DR26F2619IPS	30	703.3768	762	29.3116
DR26F2619IPS	32	750.2652	812.8	31.2674
DR26F2619IPS	34	797.1536	863.6	33.2232
DR26F2619IPS	36	844.042	914.4	35.179
DR26F2619IPS	42	984.758	1066.8	41.021
DR26F2619IPS	48	1125.4232	1219.2	46.8884
DR26F2619IPS	54	1266.0884	1371.6	52.7558
DR26F2619IPS	63	1477.1116	1600.2	61.5442
DR26F2619IPS	65	1524	1651	63.5
DR21F2619IPS	2.5	66.0654	73.025	3.4798
DR21F2619IPS	3	80.4164	88.9	4.2418
DR21F2619IPS	4	103.4288	114.3	5.4356
DR21F2619IPS	5	127.8382	141.3002	6.731
DR21F2619IPS	6	152.273	168.275	8.001
DR21F2619IPS	8	198.1962	219.075	10.4394
DR21F2619IPS	10	247.0404	273.05	13.0048
DR21F2619IPS	12	293.0144	323.85	15.4178
DR21F2619IPS	14	321.7164	355.6	16.9418
DR21F2619IPS	16	367.6904	406.4	19.3548
DR21F2619IPS	18	413.6644	457.2	21.7678
DR21F2619IPS	20	459.6384	508	24.1808
DR21F2619IPS	22	505.5616	558.8	26.6192
DR21F2619IPS	24	551.5356	609.6	29.0322
DR21F2619IPS	26	597.5096	660.4	31.4452
DR21F2619IPS	28	643.4836	711.2	33.8582
DR21F2619IPS	30	689.4068	762	36.2966
DR21F2619IPS	32	735.3808	812.8	38.7096

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR21F2619IPS	34	781.3548	863.6	41.1226
DR21F2619IPS	36	827.3288	914.4	43.5356
DR21F2619IPS	42	965.2	1066.8	50.8
DR21F2619IPS	48	1103.0712	1219.2	58.0644
DR21F2619IPS	54	1240.9932	1371.6	65.3034
DR21F2619IPS	63	1447.8	1600.2	76.2
DR21F2619IPS	65	1493.774	1651	78.613
DR17F2619IPS	2	53.213	60.325	3.556
DR17F2619IPS	2.5	64.4398	73.025	4.2926
DR17F2619IPS	3	78.4352	88.9	5.2324
DR17F2619IPS	4	100.838	114.3	6.731
DR17F2619IPS	5	124.6886	141.3002	8.3058
DR17F2619IPS	6	148.463	168.275	9.906
DR17F2619IPS	8	193.3194	219.075	12.8778
DR17F2619IPS	10	240.9444	273.05	16.0528
DR17F2619IPS	12	285.75	323.85	19.05
DR17F2619IPS	14	313.7408	355.6	20.9296
DR17F2619IPS	16	358.5972	406.4	23.9014
DR17F2619IPS	18	403.4028	457.2	26.8986
DR17F2619IPS	20	448.2592	508	29.8704
DR17F2619IPS	22	493.0648	558.8	32.8676
DR17F2619IPS	24	537.8704	609.6	35.8648
DR17F2619IPS	26	582.7268	660.4	38.8366
DR17F2619IPS	28	627.5324	711.2	41.8338
DR17F2619IPS	30	672.338	762	44.831
DR17F2619IPS	32	717.1944	812.8	47.8028
DR17F2619IPS	34	762	863.6	50.8
DR17F2619IPS	36	806.8056	914.4	53.7972
DR17F2619IPS	42	941.2732	1066.8	62.7634
DR17F2619IPS	48	1075.7408	1219.2	71.7296
DR17F2619IPS	54	1210.2592	1371.6	80.6704
DR135F2619IPS	0.5	18.1864	21.336	1.5748
DR135F2619IPS	0.75	22.7076	26.67	1.9812
DR135F2619IPS	1	28.4734	33.401	2.4638

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR135F2619IPS	1.25	35.9156	42.164	3.1242
DR135F2619IPS	1.5	41.0972	48.26	3.5814
DR135F2619IPS	2	51.3842	60.325	4.4704
DR135F2619IPS	2.5	62.2046	73.025	5.4102
DR135F2619IPS	3	75.7428	88.9	6.5786
DR135F2619IPS	4	97.3836	114.3	8.4582
DR135F2619IPS	5	120.3706	141.3002	10.4648
DR135F2619IPS	6	143.3322	168.275	12.4714
DR135F2619IPS	8	186.6138	219.075	16.2306
DR135F2619IPS	10	232.6132	273.05	20.2184
DR135F2619IPS	12	275.8948	323.85	23.9776
DR135F2619IPS	14	302.9204	355.6	26.3398
DR135F2619IPS	16	346.202	406.4	30.099
DR135F2619IPS	18	389.4836	457.2	33.8582
DR135F2619IPS	20	432.7652	508	37.6174
DR135F2619IPS	22	475.996	558.8	41.402
DR135F2619IPS	24	519.2776	609.6	45.1612
DR135F2619IPS	26	562.5592	660.4	48.9204
DR135F2619IPS	28	605.8408	711.2	52.6796
DR135F2619IPS	30	649.1224	762	56.4388
DR135F2619IPS	32	692.404	812.8	60.198
DR135F2619IPS	34	735.6348	863.6	63.9826
DR135F2619IPS	36	778.9164	914.4	67.7418
DR135F2619IPS	42	908.7612	1066.8	79.0194
DR11F2619IPS	0.5	17.4752	21.336	1.9304
DR11F2619IPS	0.75	21.844	26.67	2.413
DR11F2619IPS	1	27.305	33.401	3.048
DR11F2619IPS	1.25	34.4932	42.164	3.8354
DR11F2619IPS	1.5	39.4716	48.26	4.3942
DR11F2619IPS	2	49.3522	60.325	5.4864
DR11F2619IPS	2.5	59.7662	73.025	6.6294
DR11F2619IPS	3	72.7456	88.9	8.0772
DR11F2619IPS	4	93.5228	114.3	10.3886
DR11F2619IPS	5	115.5954	141.3002	12.8524

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR11F2619IPS	6	137.6934	168.275	15.2908
DR11F2619IPS	8	179.2478	219.075	19.9136
DR11F2619IPS	10	223.4184	273.05	24.8158
DR11F2619IPS	12	264.9728	323.85	29.4386
DR11F2619IPS	14	290.9316	355.6	32.3342
DR11F2619IPS	16	332.486	406.4	36.957
DR11F2619IPS	18	374.0912	457.2	41.5544
DR11F2619IPS	20	415.6456	508	46.1772
DR11F2619IPS	22	457.2	558.8	50.8
DR11F2619IPS	24	498.7544	609.6	55.4228
DR11F2619IPS	26	540.3088	660.4	60.0456
DR11F2619IPS	28	581.914	711.2	64.643
DR11F2619IPS	30	623.4684	762	69.2658
DR11F2619IPS	32	665.0228	812.8	73.8886
DR11F2619IPS	34	706.5772	863.6	78.5114
DR11F2619IPS	36	748.1316	914.4	83.1342
DR9F2619IPS	0.5	16.6116	21.336	2.3622
DR9F2619IPS	0.75	20.7264	26.67	2.9718
DR9F2619IPS	1	25.9842	33.401	3.7084
DR9F2619IPS	1.25	32.8168	42.164	4.6736
DR9F2619IPS	1.5	37.5412	48.26	5.3594
DR9F2619IPS	2	46.9138	60.325	6.7056
DR9F2619IPS	2.5	56.8198	73.025	8.1026
DR9F2619IPS	3	69.1388	88.9	9.8806
DR9F2619IPS	4	88.9	114.3	12.7
DR9F2619IPS	5	109.9058	141.3002	15.6972
DR9F2619IPS	6	130.8862	168.275	18.6944
DR9F2619IPS	8	170.4086	219.075	24.3332
DR9F2619IPS	10	212.3948	273.05	30.3276
DR9F2619IPS	12	251.8664	323.85	35.9918
DR9F2619IPS	14	276.5552	355.6	39.5224
DR9F2619IPS	16	316.0776	406.4	45.1612
DR9F2619IPS	18	355.6	457.2	50.8
DR9F2619IPS	20	395.1224	508	56.4388

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR9F2619IPS	22	434.6448	558.8	62.0776
DR9F2619IPS	24	474.1164	609.6	67.7418
DR9F2619IPS	26	513.6388	660.4	73.3806
DR9F2619IPS	28	553.1612	711.2	79.0194
DR9F2619IPS	30	592.6836	762	84.6582
DR73F2619IPS	0.5	15.494	21.336	2.921
DR73F2619IPS	0.75	19.3548	26.67	3.6576
DR73F2619IPS	1	24.257	33.401	4.572
DR73F2619IPS	1.25	30.6324	42.164	5.7658
DR73F2619IPS	1.5	35.052	48.26	6.604
DR73F2619IPS	2	43.815	60.325	8.255
DR73F2619IPS	2.5	53.0098	73.025	10.0076
DR73F2619IPS	3	64.5668	88.9	12.1666
DR73F2619IPS	4	83.0072	114.3	15.6464
DR73F2619IPS	5	102.5906	141.3002	19.3548
DR73F2619IPS	6	122.1486	168.275	23.0632
DR73F2619IPS	8	159.0294	219.075	30.0228
DR73F2619IPS	10	198.2216	273.05	37.4142
DR73F2619IPS	12	235.1024	323.85	44.3738
DR73F2619IPS	14	258.1656	355.6	48.7172
DR73F2619IPS	16	295.0464	406.4	55.6768
DR73F2619IPS	18	331.9272	457.2	62.6364
DR73F2619IPS	20	368.808	508	69.596
DR73F2619IPS	22	405.6888	558.8	76.5556
DR73F2619IPS	24	442.5696	609.6	83.5152
DR7F2619IPS	0.5	15.24	21.336	3.048
DR7F2619IPS	0.75	19.05	26.67	3.81
DR7F2619IPS	1	23.8506	33.401	4.7752
DR7F2619IPS	1.25	30.1244	42.164	6.0198
DR7F2619IPS	1.5	34.4932	48.26	6.8834
DR7F2619IPS	2	43.1038	60.325	8.6106
DR7F2619IPS	2.5	52.1462	73.025	10.4394
DR7F2619IPS	3	63.5	88.9	12.7
DR7F2619IPS	4	81.6356	114.3	16.3322

schedule	NPS, dimensionless	Inner diameter, mm	Outer diameter, mm	Thickness, mm
DR7F2619IPS	5	100.9142	141.3002	20.193
DR7F2619IPS	6	120.2182	168.275	24.0284
DR7F2619IPS	8	156.4894	219.075	31.2928
DR7F2619IPS	10	195.0212	273.05	39.0144
DR7F2619IPS	12	231.3432	323.85	46.2534
DR7F2619IPS	14	254	355.6	50.8
DR7F2619IPS	16	290.2712	406.4	58.0644
DR7F2619IPS	18	326.5932	457.2	65.3034
DR7F2619IPS	20	362.8644	508	72.5678
DR7F2619IPS	22	399.1356	558.8	79.8322
DR7F2619IPS	24	435.4068	609.6	87.0966