

Datos dimensionales de ISO 4427

PE 100

ISO 4427 Pipe Series		S 3.2			S 4			S 5			S 6,3			Nominal Size DN (mm)
ASTM F714 DR		DR 7.4			DR 9			DR 11			DR 13.6			
Nominal Pressure PE 100		PN = 25 bar			PN = 20 bar			PN = 16 bar			PN = 12,5 bar			
Nominal Size DN (mm)	Equiv Size (in)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Nominal Size DN (mm)
20	0.79	3.0	13.6	0.168	2.3	15.12	0.140	2.3	15.76	0.130	1.8	16.88	0.104	20
25	0.98	3.5	17.60	0.241	3.0	18.64	0.211	2.3	20.12	0.167	2.0	20.76	0.147	25
32	1.26	4.4	22.70	0.388	3.6	24.37	0.327	3.0	25.64	0.278	2.4	26.91	0.227	32
40	1.57	5.5	28.30	0.607	4.5	30.46	0.511	3.7	32.16	0.430	3.0	33.64	0.355	40
50	1.97	6.9	35.40	0.952	5.6	38.13	0.796	4.6	40.25	0.668	3.7	42.16	0.548	50
63	2.48	8.6	44.80	1.498	7.1	47.95	1.271	5.8	50.70	1.062	4.7	53.04	0.877	63
75	2.95	10.3	53.20	2.134	8.4	57.19	1.791	6.8	60.58	1.485	5.6	63.13	1.244	75
90	3.54	12.3	63.90	3.060	10.1	68.59	2.584	8.2	72.62	2.148	6.7	75.80	1.787	90
110	4.33	15.1	78.00	4.589	12.3	83.92	3.848	10.0	88.80	3.200	8.1	92.83	2.643	110
125	4.92	17.1	88.70	5.909	14.0	95.32	4.977	11.4	100.83	4.147	9.2	105.50	3.412	125
140	5.51	19.2	99.30	7.428	15.7	106.72	6.250	12.7	113.08	5.177	10.3	118.16	4.278	140
160	6.30	21.9	113.60	9.686	17.9	122.05	8.146	14.6	129.05	6.799	11.8	134.98	5.600	160
180	7.09	24.6	127.80	12.243	20.1	137.39	10.293	16.4	145.23	8.593	13.3	151.80	7.100	180
200	7.87	27.4	141.90	15.146	22.4	152.51	12.741	18.2	161.42	10.593	14.7	168.84	8.724	200
225	8.86	30.8	159.70	19.157	25.2	171.58	16.125	20.5	181.54	13.426	16.6	189.81	11.079	225
250	9.84	34.2	177.50	23.637	27.9	190.85	19.846	22.7	201.88	16.525	18.4	210.99	13.648	250
280	11.02	38.3	198.80	29.648	31.3	213.64	24.931	25.4	226.15	20.711	20.6	236.33	17.114	280
315	12.40	43.1	223.60	37.533	35.2	240.38	31.544	28.6	254.37	26.234	23.2	265.82	21.682	315
355	13.98	48.5	252.20	47.610	39.7	270.84	40.090	32.2	286.74	33.290	26.1	299.67	27.493	355
400	15.75	54.7	284.00	60.494	44.7	305.24	50.866	36.3	323.04	42.284	29.4	337.67	34.896	400
450	17.72	61.5	319.60	76.523	50.3	343.36	64.392	40.9	363.29	53.589	33.1	379.83	44.196	450
500	19.69	67.6	356.70	93.618	55.8	381.70	79.385	45.4	403.75	66.102	36.8	421.98	54.594	500
560	22.05	75.7	399.50	117.419	62.5	427.50	99.587	50.8	452.30	82.847	41.2	472.66	68.458	560
630	24.80	85.1	449.60	148.517	70.3	480.96	126.020	57.2	508.74	104.937	46.3	531.84	86.556	630
710	27.95	95.9	506.70	188.619	79.3	541.88	160.186	64.5	573.26	133.347	52.2	599.34	109.975	710
800	31.50				89.3	610.68	203.267	72.6	646.09	169.137	58.8	675.34	139.586	800
900	35.43							81.7	726.80	214.123	66.2	759.66	176.786	900
1000	39.37							90.2	808.78	262.834	72.5	846.30	215.368	1000
1200	47.24							109.09		381.156	88.2	1013.02	314.069	1200
1400	55.12							127.28		518.827	102.9	1181.85	427.482	1400

ISO 4427 Pipe Series		S 8			S 10			S 12,5			S 16			Nominal Size DN (mm)
ASTM F714 DR		DR 17			DR 21			DR 26			DR 33			
Nominal Pressure PE 100		PN = 10 bar			PN = 8 bar			PN = 6 bar			PN = 5 bar			
Nominal Size DN (mm)	Equiv Size (in)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	Minimum Wall (mm)	Average ID (mm)	Weight (kg/m)	
20	0.79	1.500	17.510	0.088	1.200	17.980	0.072	0.600	18.720	0.037	0.610	18.720	0.037	20
25	0.98	1.800	21.880	0.133	1.400	22.480	0.105	0.800	23.390	0.062	0.760	23.390	0.059	25
32	1.26	1.900	27.760	0.183	1.500	28.770	0.146	1.000	29.940	0.099	0.970	29.940	0.096	32
40	1.57	2.300	34.910	0.277	1.900	35.760	0.231	1.200	37.430	0.149	1.210	37.430	0.150	40
50	1.97	2.900	43.640	0.437	2.300	44.910	0.351	2.000	45.760	0.307	1.520	46.790	0.236	50
63	2.48	3.700	54.940	0.702	3.000	56.640	0.576	2.500	57.700	0.484	1.910	58.950	0.373	63
75	2.95	4.500	65.460	1.016	3.500	67.370	0.801	2.900	68.850	0.669	2.270	70.180	0.528	75
90	3.54	5.400	78.550	1.463	4.300	80.880	1.180	3.500	82.580	0.969	2.730	84.220	0.763	90
110	4.33	6.600	96.010	2.185	5.300	98.760	1.777	4.200	101.100	1.423	3.330	102.930	1.137	110
125	4.92	7.400	109.310	2.787	6.000	112.280	2.286	4.800	114.820	1.847	3.790	116.970	1.471	125
140	5.51	8.300	122.400	3.501	6.700	125.800	2.860	5.400	128.550	2.327	4.240	131.010	1.843	140
160	6.30	9.500	139.860	4.579	7.700	143.680	3.755	6.200	146.860	3.054	4.850	149.720	2.410	160
180	7.09	10.700	157.320	5.801	8.600	161.770	4.721	6.900	165.370	3.825	5.450	168.440	3.046	180
200	7.87	11.900	174.770	7.169	9.600	179.650	5.854	7.700	183.680	4.742	6.060	187.150	3.764	200
225	8.86	13.400	196.590	9.081	10.800	202.100	7.409	8.600	206.770	5.960	6.820	210.550	4.765	225
250	9.84	14.800	218.620	11.148	11.900	224.770	9.074	9.600	229.650	7.391	7.580	233.940	5.885	250
280	11.02	16.600	244.810	14.004	13.400	251.590	11.441	10.700	257.320	9.228	8.480	262.010	7.374	280
315	12.40	18.700	275.360	17.746	15.000	283.200	14.412	12.100	289.350	11.738	9.700	294.440	9.484	315
355	13.98	21.100	310.270	22.564	16.900	319.170	18.300	13.600	326.170	14.870	10.900	331.890	12.012	355
400	15.75	23.700	349.760	28.563	19.100	359.510	23.300	15.300	367.560	18.851	12.300	373.920	15.273	400
450	17.72	26.700	393.400	36.198	21.500	404.420	29.506	17.200	413.540	23.842	13.800	420.740	19.279	450
500	19.69	29.700	437.040	44.734	23.900	449.330	36.443	19.100	459.510	29.418	15.300	467.560	23.751	500
560	22.05	33.200	489.620	56.016	26.700	503.400	45.605	21.400	514.630	36.915	17.200	523.540	29.901	560
630	24.80	37.400	550.710	70.984	30.000	566.400	57.650	24.100	578.910	46.767	19.300	589.080	37.749	630
710	27.95	42.100	620.750	90.058	33.900	638.130	73.407	27.200	652.340	59.482	21.800	663.780	48.050	710
800	31.50	47.400	699.510	114.254	38.100	719.230	92.972	30.600	735.130	75.405	24.500	748.060	60.852	800
900	35.43	53.300	787.000	144.539	42.900	809.050	117.765	34.400	827.070	95.368	27.600	841.490	77.117	900
1000	39.37	59.300	874.280	178.663	47.700	898.880	145.486	38.200	919.020	117.673	30.600	935.130	95.006	1000
1200	47.24	70.600	1056.050	246.197	57.200	1078.740	209.361	45.900	1102.690	169.662	36.700	1122.200	136.737	1200
1400	55.12	82.400	1225.310	347.728	66.700	1258.600	284.828	53.500	1286.580	230.722	42.900	1309.050	186.465	1400