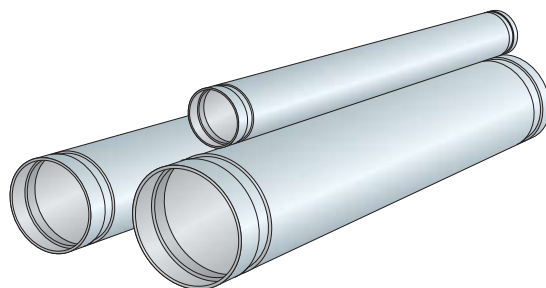


Pipe Conversion Table Wall Thickness



Pipe Size		Conversion Table Wall Thickness - mm inches								
Nominal DN In.	O.D. mm In.	Pipe ANSI B36.10						Pipe DIN Norm		
		Sch. 5	Sch. 10	Sch. 20	Sch. 30	Sch. 40	Sch. 80	DIN 2440	DIN 2448	DIN 2458
20	26.9	1.65	2.77	—	—	2.87	3.91	2.65	2.3	2
¾	1.050	0.06	0.11	—	—	0.11	0.15	0.10	0.09	0.08
25	33.4	1.65	2.77	—	—	3.38	4.55	3.25	2.6	2
1	1.315	0.06	0.11	—	—	0.13	0.18	0.13	0.10	0.08
32	42.4	1.65	2.77	—	—	3.56	4.83	3.25	2.6	2.3
1¼	1.660	0.06	0.11	—	—	0.14	0.19	0.13	0.10	0.09
40	48.3	1.65	2.77	—	—	3.68	5.08	3.25	2.6	2.3
1½	1.900	0.06	0.11	—	—	0.14	0.20	0.13	0.10	0.09
50	60.3	1.65	2.77	—	—	3.91	5.54	3.65	2.9	2.6
2	2.375	0.06	0.11	—	—	0.15	0.22	0.14	0.11	0.10
65	73.0	2.11	3.05	—	—	5.16	7.01	—	—	—
2½	2.875	0.08	0.12	—	—	0.20	0.28	—	—	—
65	76.1	—	—	—	—	—	—	3.65	2.9	2.6
76,1mm	3.000	—	—	—	—	—	—	0.14	0.11	0.10
80	88.9	2.11	3.05	—	—	5.49	7.61	4.05	3.2	2.9
3	3.500	0.08	0.12	—	—	0.22	0.30	0.16	0.13	0.11
100	108.0	—	—	—	—	—	—	—	3.6	2.9
108.0mm	4.252	—	—	—	—	—	—	—	0.14	0.11
100	114.3	2.11	3.05	—	—	6.02	8.56	4.5	3.6	3.2
4	4.500	0.08	0.12	—	—	0.24	0.34	0.18	0.14	0.13
125	133.0	—	—	—	—	—	—	—	4	3.6
133.0mm	5.236	—	—	—	—	—	—	—	0.16	0.14
125	139.7	—	—	—	—	—	—	4.85	—	—
139,7mm	5.500	—	—	—	—	—	—	0.19	—	—
125	141.3	2.77	3.4	—	—	6.55	9.53	—	—	—
5	5.563	0.11	0.13	—	—	0.26	0.38	—	—	—
150	159.0	—	—	—	—	—	—	—	4.5	4
159.0mm	6.260	—	—	—	—	—	—	—	0.18	0.16
150	165.1	—	—	—	—	—	—	4.85	4.5	4
165,1mm	6.500	—	—	—	—	—	—	0.19	0.18	0.16
150	168.3	2.77	3.4	—	—	7.11	10.97	—	—	4.5
6	6.625	0.11	0.13	—	—	0.28	0.43	—	—	0.18
200	219.1	2.77	3.76	6.35	7.04	8.18	12.7	—	6.3	4.5
8	8.625	0.11	0.15	0.25	0.28	0.32	0.50	—	0.25	0.18
250	273.0	3.4	4.19	6.35	7.8	9.27	15.06	—	6.3	5
10	10.750	0.13	0.16	0.25	0.31	0.36	0.59	—	0.25	0.20
300	323.9	3.96	4.57	6.35	8.38	10.31	17.45	—	7.1	5.6
12	12.750	0.16	0.18	0.25	0.33	0.41	0.69	—	0.28	0.22

Global Pipe Size Designations

GRINNELL product data is utilised worldwide and all technical data is shown in both metric and imperial terms. The following chart shows a comparison between typical metric and IPS pipe sizes.

Nominal Size (DN)		Outside Diameter (OD)								
mm (Metric)	Inches (Imperial)	mm (Specification Reference)	DIN mm	BS mm	ISO mm	JIS mm	ANSI Inches	GB China mm	India	
									IS 1239	IS 3589
15	1/2	21.3mm	DN 15	DN 15	DN 15	21.7mm	1/2	DN 15	DN 15	–
20	3/4	26.7mm	26.9mm	DN 20	DN 20	27.2mm	3/4	DN 20	DN 20	–
25	1	33.4mm	33.7mm	DN 25	DN 25	34mm	1	DN 25	DN 25	–
32	1-1/4	42.2mm	42.4mm	DN 32	DN 32	42.7mm	1 1/4	DN 32	DN 32	–
40	1-1/2	48.3mm	DN 40	DN 40	DN 40	48.6mm	1 1/2	DN 40	DN 40	–
50	2	60.3mm	DN 50	DN 50	DN 50	60.5mm	2	DN 50	DN 50	–
65	2-1/2	73.1mm	–	–	–	–	2 1/2	–	–	–
		76.1mm BS/ISO	76.1mm	76.1mm	76.1mm	76.3mm	–	76.1mm **	76.1mm	–
80	3	88.9mm	DN 80	DN 80	DN 80	DN 80	3	DN 80	DN 80	–
90	3-1/2	101.6mm	–	–	–	–	–	–	–	–
100	4	108mm China (& old DIN)	DIN 133mm	–	–	–	–	108mm **	–	–
		114.3mm	DN 100	DN 100	DN 101	DN 100	4	DN 100	DN 100	–
127mm	–	127mm	–	–	–	–	–	–	–	–
125	5	133mm China	–	–	–	–	–	133mm **	–	–
		139.7mm BS/ISO	DN 125	139.7mm	139.7mm	139.8mm	–	139.7mm	139.7mm	–
		141.3mm	–	–	–	–	5	–	–	–
152.4mm	–	152.4mm	–	–	–	–	–	–	–	–
150	6	159mm China	–	–	–	–	–	159mm	–	–
		165.1mm JIS/BS	–	165.1mm	–	165.2mm	–	–	165.1mm	–
		168.3mm	DN 150	–	DN 150	–	6	DN 150	–	DN 150
175	–	193.7mm	–	–	–	–	–	–	–	193.7mm
203.2mm	–	203.2mm	–	–	–	–	–	–	–	–
200	8	216.3mm JIS	–	–	–	216.3mm	–	–	–	–
		219.1mm	DN 200	DN 200	DN 200	–	8	DN 200	DN 200	DN 200
254mm	–	254mm	–	–	–	–	–	–	–	–
250	10	267.4mm JIS	–	–	–	267.4mm	–	–	–	–
		273mm	DN 250	DN 250	DN 250	–	10	DN 250	DN 250	DN 250
304.8mm	–	304.8mm	–	–	–	–	–	–	–	–
300	12	318.5mm JIS	–	–	–	318.5mm	–	–	–	–
		323.9mm	DN 300	DN 300	DN 300	–	12	–	–	–

IMPORTANT NOTE:

Nominal designations are used where the actual OD of the pipe matches the ANSI size. Otherwise both the nominal and actual OD are listed.

China sizes are listed as actual OD in mm.

** China sizes are tubing sizes.