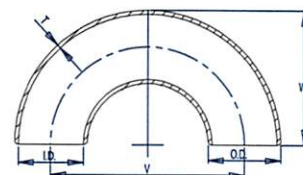


180° RETURN BENDS

LONG RADIUS SCHEDULE STD

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	V	W		
1/2	21.3	15.76	2.77	76	48	40	0.15
3/4	26.7	20.96	2.87	76	51	40	0.15
1	33.4	26.64	3.38	76	56	40	0.34
1 1/4	42.2	35.08	3.56	95	70	40	0.50
1 1/2	48.3	40.94	3.68	114	83	40	0.73
2	60.3	52.48	3.91	152	106	40	1.45
2 1/2	73.0	62.68	5.16	190	132	40	2.77
3	88.9	77.92	5.49	229	159	40	4.26
3 1/2	101.6	90.12	5.74	267	184	40	5.81
4	114.3	102.26	6.02	305	210	40	7.94
5	141.3	128.20	6.55	381	262	40	13.29
6	168.3	154.08	7.11	457	313	40	21.32
8	219.1	202.74	8.18	610	414	40	39.46
10	273.0	254.46	9.27	762	518	40	74.39
12	323.8	304.74	9.53	914	619	*	107.50
14	355.6	336.54	9.53	1067	711	30	141.07
16	406.4	387.34	9.53	1219	813	30	185.06
18	457.0	437.94	9.53	1372	914	*	233.15
20	508.0	488.94	9.53	1524	1016	20	288.48
24	610.0	590.94	9.53	1829	1219	20	411.86



WELDBEND NOTES

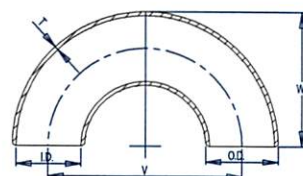
1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in millimeters.
3. For bevel detail see page 107.
4. For dimensional tolerances see page 108.
5. For sizes larger than NPS 24 please call.
6. All weights are in kilograms and approximated or estimated.

* This size and thickness does not correspond to any pipe schedule number.

FITTINGS

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to Center	Back to Face	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	V	W		
1/2	21.3	13.84	3.73	76	48	80	0.20
3/4	26.7	18.88	3.91	76	51	80	0.24
1	33.4	24.30	4.55	76	56	80	0.44
1 1/4	42.2	32.50	4.85	95	70	80	0.73
1 1/2	48.3	38.14	5.08	114	83	80	1.00
2	60.3	49.22	5.54	152	106	80	1.86
2 1/2	73.0	58.98	7.01	190	132	80	3.49
3	88.9	73.66	7.62	229	159	80	5.62
3 1/2	101.6	85.44	8.08	267	184	80	7.76
4	114.3	97.18	8.56	305	210	80	10.93
5	141.3	122.24	9.53	381	262	80	18.91
6	168.3	146.36	10.97	457	313	80	30.93
8	219.1	193.70	12.70	610	414	60	63.50
10	273.0	247.60	12.70	762	518	*	98.43
12	323.8	298.40	12.70	914	619	*	141.07
14	355.6	330.20	12.70	1067	711	40	181.44
16	406.4	381.00	12.70	1219	813	*	244.94
18	457.0	431.60	12.70	1372	914	30	311.16
20	508.0	482.60	12.70	1524	1016	*	381.02
24	610.0	584.60	12.70	1829	1219	*	548.84

LONG RADIUS SCHEDULE XS



WELDBEND NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in millimeters.
3. For bevel detail see page 107.
4. For dimensional tolerances see page 108.
5. For sizes larger than NPS 24 please call.
6. All weights are in kilograms and approximated or estimated.

* This size and thickness does not correspond to any pipe schedule number.