

FITTINGS

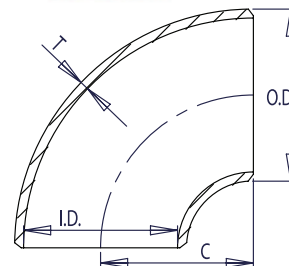
NPS ½ through 60

- Schedule **Standard (STD)**
- Schedule **Extra-Strong (XS)**
- Schedule **40**
- Schedule **80**
- Schedule **160**
- Schedule **Double Extra-Strong (XXS)**



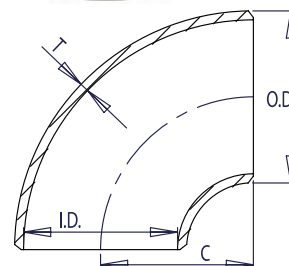
All Products Backed by the Hisea Marine Warranty

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	26.64	3.38	25	40	0.14
1 ¼	42.2	35.08	3.56	32	40	0.18
1 ½	48.3	40.94	3.68	38	40	0.23
2	60.3	52.48	3.91	51	40	0.45
2 ½	73.0	62.68	5.16	64	40	0.91
3	88.9	77.92	5.49	76	40	1.36
3 ½	101.6	90.12	5.74	89	40	1.95
4	114.3	102.26	6.02	102	40	2.77
5	141.3	128.20	6.55	127	40	4.40
6	168.3	154.08	7.11	152	40	7.57
8	219.1	202.74	8.18	203	40	14.70
10	273.0	254.46	9.27	254	40	25.54
12	323.8	304.74	9.53	305	*	36.02
14	355.6	336.54	9.53	356	30	47.17
16	406.4	387.34	9.53	406	30	58.51
18	457.0	437.94	9.53	457	*	73.94
20	508.0	488.94	9.53	508	20	95.25
24	610.0	590.94	9.53	610	20	134.72
❖ 30	762.0	742.94	9.53	762	*	213.19
❖ 36	914.0	894.94	9.53	914	*	313.88
❖ 42	1067.0	1047.94	9.53	1067	*	438.62
❖ 48	1219.0	1199.94	9.53	1219	*	607.81

**SHORT RADIUS
SCHEDULE STD**

NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
 2. All dimensions are in millimeters.
 3. For sizes larger than NPS 48 please call.
 4. All weights are in kilograms and approximated or estimated.
- * This size and thickness does not correspond to any pipe schedule number.
- ❖ In accordance with B16.9. Special Fittings paragraph 4.4.2.

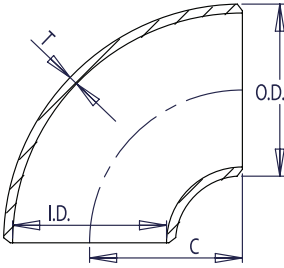
Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	24.30	4.55	25	80	0.14
1 ¼	42.2	32.50	4.85	32	80	0.27
1 ½	48.3	38.14	5.08	38	80	0.36
2	60.3	49.22	5.54	51	80	0.68
2 ½	73.0	58.98	7.01	64	80	1.18
3	88.9	73.66	7.62	76	80	1.72
3 ½	101.6	85.44	8.08	89	80	2.45
4	114.3	97.18	8.56	102	80	3.45
5	141.3	122.24	9.53	127	80	6.26
6	168.3	146.36	10.97	152	80	10.34
8	219.1	193.70	12.70	203	80	21.45
10	273.0	247.60	12.70	254	60	32.20
12	323.8	298.40	12.70	305	*	47.17
14	355.6	330.20	12.70	356	*	62.14
16	406.4	381.00	12.70	406	40	77.56
18	457.0	431.60	12.70	457	*	97.07
20	508.0	482.60	12.70	508	30	125.64
24	610.0	584.60	12.70	610	*	176.90
❖ 30	762.0	736.60	12.70	762	20	286.99
❖ 36	914.0	888.60	12.70	914	20	414.13
❖ 42	1067.0	1041.60	12.70	1067	*	589.67
❖ 48	1219.0	1193.60	12.70	1219	*	759.76

**SHORT RADIUS
SCHEDULE XS**

NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
 2. All dimensions are in millimeters.
 3. For sizes larger than NPS 48 please call.
 4. All weights are in kilograms and approximated or estimated.
- * This size and thickness does not correspond to any pipe schedule number.
- ❖ In accordance with B16.9. Special Fittings paragraph 4.4.2.

90° ELBOWS

SHORT RADIUS SCHEDULE 40

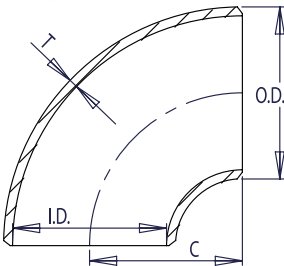


NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in millimeters.
3. For sizes larger than NPS 24 please call.
4. All weights are in kilograms and approximated or estimated.

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	26.64	3.38	25	40	0.14
1 ¼	42.2	35.08	3.56	32	40	0.18
1 ½	48.3	40.94	3.68	38	40	0.23
2	60.3	52.48	3.91	51	40	0.45
2 ½	73.0	62.68	5.16	64	40	0.91
3	88.9	77.92	5.49	76	40	1.36
3 ½	101.6	90.12	5.74	89	40	1.95
4	114.3	102.26	6.02	102	40	2.77
5	141.3	128.20	6.55	127	40	4.40
6	168.3	154.08	7.11	152	40	7.57
8	219.1	202.74	8.18	203	40	14.70
10	273.0	254.46	9.27	254	40	25.54
12	323.8	303.18	10.31	305	40	36.29
14	355.6	333.34	11.13	356	40	47.63
16	406.4	381.00	12.70	406	40	58.97
18	457.0	428.46	14.27	457	40	74.84
20	508.0	477.82	15.09	508	40	97.52
24	610.0	575.04	17.48	610	40	136.08

SHORT RADIUS SCHEDULE 80

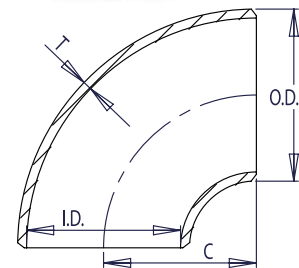


NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in millimeters.
3. All weights are in kilograms and approximated or estimated.

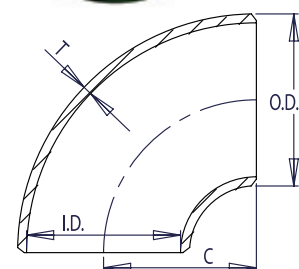
Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	24.30	4.55	25	80	0.14
1 ¼	42.2	32.50	4.85	32	80	0.27
1 ½	48.3	38.14	5.08	38	80	0.36
2	60.3	49.22	5.54	51	80	0.68
2 ½	73.0	58.98	7.01	64	80	1.18
3	88.9	73.66	7.62	76	80	1.72
3 ½	101.6	85.44	8.08	89	80	2.45
4	114.3	97.18	8.56	102	80	3.45
5	141.3	122.24	9.53	127	80	6.26
6	168.3	146.36	10.97	152	80	10.34
8	219.1	193.70	12.70	203	80	21.45
10	273.0	242.82	15.09	254	80	34.02
12	323.8	288.84	17.48	305	80	47.63
14	355.6	317.50	19.05	356	80	63.50
16	406.4	363.52	21.44	406	80	79.38
18	457.0	409.34	23.83	457	80	97.52
20	508.0	455.62	26.19	508	80	127.01
24	610.0	548.08	30.96	610	80	181.44

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	20.70	6.35	25.40	160	0.23
1 ¼	42.2	29.50	6.35	31.75	160	0.41
1 ½	48.3	34.02	7.14	38.10	160	0.68
2	60.3	42.82	8.74	50.80	160	1.32
2 ½	73.0	53.94	9.53	63.50	160	2.49
3	88.9	66.64	11.13	76.20	160	4.45
4	114.3	87.32	13.49	101.60	160	9.07
5	141.3	109.54	15.88	127.00	160	13.61
6	168.3	131.78	18.26	152.40	160	27.22
8	219.1	173.08	23.01	203.20	160	56.70
10	273.0	215.84	28.58	254.00	160	117.03
12	323.8	257.16	33.32	304.80	160	206.38
14	355.6	284.18	35.71	355.60	160	249.47
16	406.4	325.42	40.49	406.40	160	362.87
18	457.0	366.52	45.24	457.20	160	464.93
20	508.0	407.98	50.01	508.00	160	587.40
24	610.0	490.92	59.54	609.60	160	657.71

**SHORT RADIUS
SCHEDULE 160**

NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in millimeters.
3. All weights are in kilograms and approximated or estimated.

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness	Center to End	Pipe Schedule Number	Approx. Weight in Kilograms
NPS	O.D.	I.D.	T	C		
1	33.4	15.22	9.09	25.40	*	0.29
1 ¼	42.2	22.80	9.70	31.75	*	0.59
1 ½	48.3	28.00	10.15	38.10	*	0.77
2	60.3	38.16	11.07	50.80	*	1.45
2 ½	73.0	44.96	14.02	63.50	*	2.77
3	88.9	58.42	15.24	76.20	*	4.99
4	114.3	80.06	17.12	101.60	*	9.98
5	141.3	103.20	19.05	127.00	*	15.88
6	168.3	124.40	21.95	152.40	*	27.22
8	219.1	174.64	22.23	203.20	*	55.79
10	273.0	222.20	25.40	254.00	140	102.06
12	323.8	273.00	25.40	304.80	120	165.56

**SHORT RADIUS
SCHEDULE XXS**

NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
 2. All dimensions are in millimeters.
 3. All weights are in kilograms and approximated or estimated.
- * This size and thickness does not correspond to any pipe schedule number.