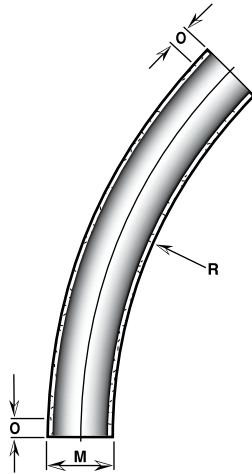


# PHENOLIC ELBOWS



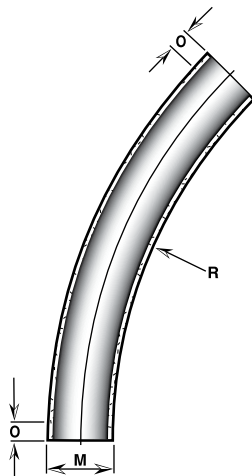
45° X 48"

Nominal Size	Type	IPS Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
¾	SW	07E-SW-83-P	1.05 (27)	6 (152)	48 (1,219)	0.69 (0.31)
1	SW	10E-SW-83-P	1.32 (33)	6 (152)	48 (1,219)	0.78 (0.35)
1¼	SW	12E-SW-83-P	1.66 (42)	6 (152)	48 (1,219)	0.94 (0.43)
1½	SW	15E-SW-83-P	1.90 (48)	6 (152)	48 (1,219)	1.35 (0.61)
2	SW	20E-SW-83-P	2.37 (60)	6 (152)	48 (1,219)	1.55 (0.70)
2½	SW	25E-SW-83-P	2.88 (73)	6 (152)	48 (1,219)	1.88 (0.85)
3	SW	30E-SW-83-P	3.50 (89)	6 (152)	48 (1,219)	2.45 (1.11)
4	SW	40E-SW-83-P	4.46 (113)	6 (152)	48 (1,219)	2.94 (1.34)
4	HW	40E-HW-83-P	4.51 (114)	6 (152)	48 (1,219)	3.96 (1.80)
5	MW	50E-MW-83-P	5.57 (141)	6 (152)	48 (1,219)	4.90 (2.23)
5	HW	50E-HW-83-P	5.60 (142)	6 (152)	48 (1,219)	5.31 (2.41)
6	MW	60E-MW-83-P	6.63 (168)	6 (152)	48 (1,219)	5.80 (2.63)
6	HW	60E-HW-83-P	6.66 (169)	6 (152)	48 (1,219)	6.66 (3.02)

Nominal Size	Type	ID Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
2	SW	20F-SW-83-P	2.14 (54)	6 (152)	48 (1,219)	1.39 (0.63)
2½	SW	25F-SW-83-P	2.64 (67)	6 (152)	48 (1,219)	1.72 (0.78)
3	SW	30F-SW-83-P	3.14 (80)	6 (152)	48 (1,219)	1.96 (0.89)
3½	SW	35F-SW-83-P	3.64 (92)	6 (152)	48 (1,219)	2.45 (1.11)
4	SW	40F-SW-83-P	4.14 (105)	6 (152)	48 (1,219)	2.82 (1.28)
4	HW	40F-HW-83-P	4.19 (106)	6 (152)	48 (1,219)	3.76 (1.71)
4½	SW	45F-SW-83-P	4.64 (117)	6 (152)	48 (1,219)	3.06 (1.39)
4½	HW	45F-HW-83-P	4.69 (118)	6 (152)	48 (1,219)	4.25 (1.93)
5	MW	50F-MW-83-P	5.19 (132)	6 (152)	48 (1,219)	4.61 (2.09)
5	HW	50F-HW-83-P	5.22 (133)	6 (152)	48 (1,219)	5.39 (2.45)
6	MW	60F-MW-83-P	6.19 (157)	6 (152)	48 (1,219)	5.51 (2.50)
6	HW	60F-HW-83-P	6.22 (158)	6 (152)	48 (1,219)	6.45 (2.93)

Nominal Size	Type	Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
¾	XW	07E-XW-83-P	1.41 (36)	6 (152)	48 (1,219)	2.53 (1.16)
1	XW	10E-XW-83-P	1.68 (43)	6 (152)	48 (1,219)	2.82 (1.28)
1¼	XW	12E-XW-83-P	2.02 (51)	6 (152)	48 (1,219)	3.40 (1.53)
1½	XW	15E-XW-83-P	2.26 (57)	6 (152)	48 (1,219)	4.89 (2.19)
2	XW	20F-XW-83-P	2.50 (65)	6 (152)	48 (1,219)	5.15 (2.34)
2½	XW	25F-XW-83-P	3.00 (76)	6 (152)	48 (1,219)	6.29 (2.85)
3	XW	30F-XW-83-P	3.50 (89)	6 (152)	48 (1,219)	7.43 (3.37)
3½	XW	35F-XW-83-P	4.00 (102)	6 (152)	48 (1,219)	8.57 (3.89)
4	XW	40F-XW-83-P	4.50 (114)	6 (152)	48 (1,219)	9.72 (4.41)
5	XW	50F-XW-83-P	5.50 (140)	6 (152)	48 (1,219)	12.01 (5.45)
6	XW	60F-XW-83-P	6.50 (165)	6 (152)	48 (1,219)	14.29 (6.49)

Nominal Size	Type	IPS Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
¾	SW	07E-SW-84-P	1.05 (27)	6 (152)	60 (1,524)	0.85 (0.39)
1	SW	10E-SW-84-P	1.32 (33)	6 (152)	60 (1,524)	0.95 (0.43)
1¼	SW	12E-SW-84-P	1.66 (42)	6 (152)	60 (1,524)	1.15 (0.52)
1½	SW	15E-SW-84-P	1.90 (48)	6 (152)	60 (1,524)	1.65 (0.75)
2	SW	20E-SW-84-P	2.37 (60)	6 (152)	60 (1,524)	1.90 (0.86)
2½	SW	25E-SW-84-P	2.88 (73)	6 (152)	60 (1,524)	2.30 (1.04)
3	SW	30E-SW-84-P	3.50 (89)	6 (152)	60 (1,524)	3.00 (1.36)
4	SW	40E-SW-84-P	4.46 (113)	6 (152)	60 (1,524)	3.60 (1.63)
4	HW	40E-HW-84-P	4.51 (115)	6 (152)	60 (1,524)	4.85 (2.20)
5	MW	50E-MW-84-P	5.57 (141)	6 (152)	60 (1,524)	6.00 (2.72)
5	HW	50E-HW-84-P	5.60 (142)	6 (152)	60 (1,524)	6.50 (2.95)
6	MW	60E-MW-84-P	6.63 (168)	6 (152)	60 (1,524)	7.10 (3.22)
6	HW	60E-HW-84-P	6.66 (169)	6 (152)	60 (1,524)	8.15 (3.70)



45° X 60"

Nominal Size	Type	ID Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
2	SW	20F-SW-84-P	2.14 (54)	6 (152)	60 (1,524)	1.70 (0.77)
2½	SW	25F-SW-84-P	2.64 (67)	6 (152)	60 (1,524)	2.10 (0.95)
3	SW	30F-SW-84-P	3.14 (80)	6 (152)	60 (1,524)	2.40 (1.09)
3½	SW	35F-SW-84-P	3.64 (92)	6 (152)	60 (1,524)	3.00 (1.36)
4	SW	40F-SW-84-P	4.14 (105)	6 (152)	60 (1,524)	3.45 (1.57)
4	HW	40F-HW-84-P	4.19 (106)	6 (152)	60 (1,524)	4.60 (2.09)
4½	SW	45F-SW-84-P	4.64 (117)	6 (152)	60 (1,524)	3.75 (1.70)
4½	HW	45F-HW-84-P	4.69 (118)	6 (152)	60 (1,524)	5.20 (2.36)
5	MW	50F-MW-84-P	5.19 (132)	6 (152)	60 (1,524)	5.65 (2.57)
5	HW	50F-HW-84-P	5.22 (132)	6 (152)	60 (1,524)	6.60 (3.00)
6	MW	60F-MW-84-P	6.19 (157)	6 (152)	60 (1,524)	6.75 (3.07)
6	HW	60F-HW-84-P	6.22 (158)	6 (152)	60 (1,524)	7.90 (3.59)

Nominal Size	Type	Item No.	M	O-Tangent (min)	R - Radius (min)	Weight lbs kg
¾	XW	07E-XW-84-P	1.41 (36)	6 (152)	60 (1,524)	3.01 (1.38)
1	XW	10E-XW-84-P	1.68 (43)	6 (152)	60 (1,524)	3.35 (1.53)
1¼	XW	12E-XW-84-P	2.02 (51)	6 (152)	60 (1,524)	4.04 (1.82)
1½	XW	15E-XW-84-P	2.26 (57)	6 (152)	60 (1,524)	5.81 (2.61)
2	XW	20F-XW-84-P	2.50 (65)	6 (152)	60 (1,524)	6.30 (2.86)
2½	XW	25F-XW-84-P	3.00 (76)	6 (152)	60 (1,524)	7.70 (3.50)
3	XW	30F-XW-84-P	3.50 (89)	6 (152)	60 (1,524)	9.10 (4.13)
3½	XW	35F-XW-84-P	4.00 (102)	6 (152)	60 (1,524)	10.50 (4.77)
4	XW	40F-XW-84-P	4.50 (114)	6 (152)	60 (1,524)	11.90 (5.40)
5	XW	50F-XW-84-P	5.50 (140)	6 (152)	60 (1,524)	14.70 (6.67)
6	XW	60F-XW-84-P	6.50 (165)	6 (152)	60 (1,524)	17.50 (7.94)