

Elbows

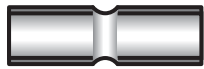
ELBOWS WITH BONDED ON PVC COUPLINGS, MALE ADAPTERS, FEMALE ADAPTERS OR STUBS



2-1/2" PVC Deep Socket Coupling



5° PVC Deep Socket Coupling



Straight PVC Deep Socket Coupling



Male Adapters (PVC or Fiberglass)



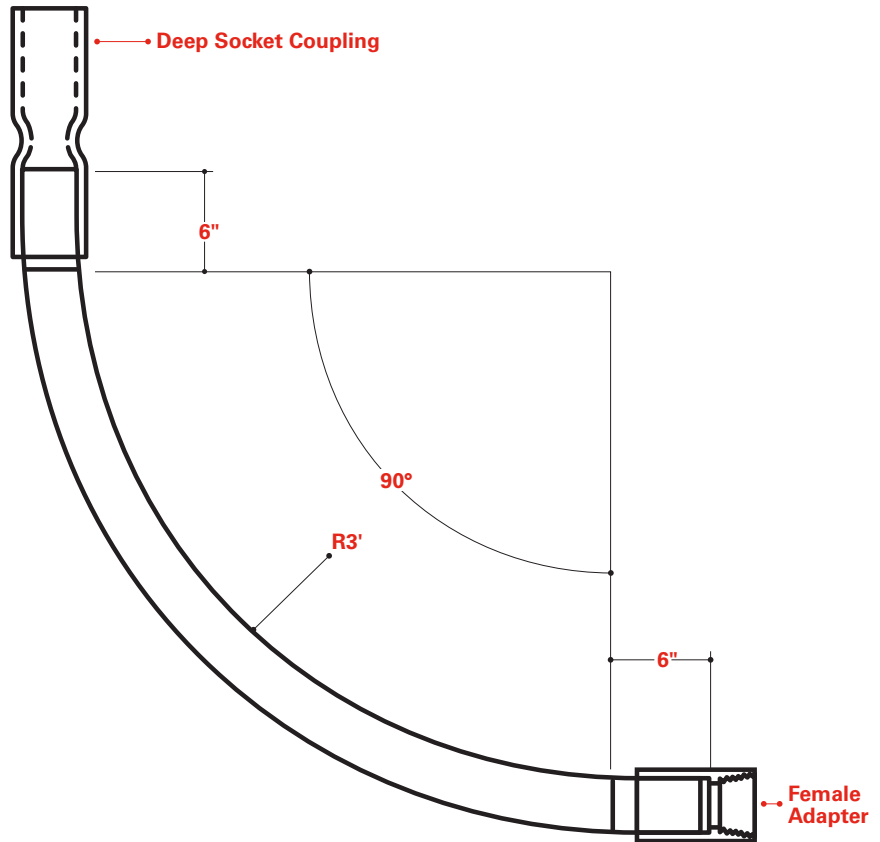
Female Adapters (PVC or Fiberglass)



PVC Stubs



Deep Socket PVC Coupling
bonded onto fiberglass elbow



Elbow with deep socket coupling and female adapter

Elbows can be supplied with one or two PVC-bonded couplings. Replace "-P" suffix with: "-1D" for one coupling or "-2D" for two couplings. Champion elbows can also be supplied with 2-1/2" or 5" PVC offset couplings to correct conduit field misalignments. Contact Champion Fiberglass for pricing and item numbers on elbows with fiberglass PVC male and female adapters.



ID 90° Standard Radius Elbows

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-90-P	20D-SW-90-P	2.14" (54)	6" (152)	9.50" (241)	0.76	(0.35)

90° x 12"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-90-P	20D-SW-90-P	2.14" (54)	6" (152)	12" (305)	0.85	(0.39)
☐	2-1/2"	SW	25B-SW-90-P	25D-SW-90-P	2.64" (67)	6" (152)	12" (305)	1.05	(0.48)

90° x 24"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-91-P	20D-SW-91-P	2.14" (54)	6" (152)	24" (610)	1.42	(0.65)
☐	2-1/2"	SW	25B-SW-91-P	25D-SW-91-P	2.64" (67)	6" (152)	24" (610)	1.75	(0.80)
☐	3"	SW	30B-SW-91-P	30D-SW-91-P	3.14" (80)	6" (152)	24" (610)	2.00	(0.91)
☐	4"	SW	40B-SW-91-P	40D-SW-91-P	4.14" (105)	6" (152)	24" (610)	2.88	(1.30)
☐	4"	HW	40B-HW-91-P	40D-HW-91-P	4.19" (106)	6" (152)	24" (610)	3.84	(1.74)

90° x 36"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-92-P	20D-SW-92-P	2.14" (54)	6" (152)	36" (914)	1.93	(1.14)
☐	2-1/2"	SW	25B-SW-92-P	25D-SW-92-P	2.64" (67)	6" (152)	36" (914)	2.38	(1.36)
☐	3"	SW	30B-SW-92-P	30D-SW-92-P	3.14" (80)	6" (152)	36" (914)	2.72	(1.59)
☐	3-1/2"	SW	35B-SW-92-P	35D-SW-92-P	3.64" (92)	6" (152)	36" (914)	3.40	(1.63)
☐	4"	SW	40B-SW-92-P	40D-SW-92-P	4.14" (105)	6" (152)	36" (914)	3.91	(1.68)
☐	4"	HW	40B-HW-92-P	40D-HW-92-P	4.19" (106)	6" (152)	36" (914)	5.21	(2.09)
☐	4-1/2"	SW	45B-SW-92-P	45D-SW-92-P	4.64" (117)	6" (152)	36" (914)	4.25	(1.86)
☐	4-1/2"	HW	45B-HW-92-P	45D-HW-92-P	4.69" (118)	6" (152)	36" (914)	5.89	(2.27)
☐	5"	SW	50B-SW-92-P	50D-SW-92-P	5.14" (131)	6" (152)	36" (914)	4.86	(2.18)
☐	5"	MW	50B-MW-92-P	50D-MW-92-P	5.19" (132)	6" (152)	36" (914)	6.45	(2.90)
☐	5"	HW	50B-HW-92-P	50D-HW-92-P	5.22" (132)	6" (152)	36" (914)	7.42	(3.34)
☐	6"	SW	60B-SW-92-P	60D-SW-92-P	6.14" (156)	6" (152)	36" (914)	5.83	(2.62)
☐	6"	MW	60B-MW-92-P	60D-MW-92-P	6.19" (157)	6" (152)	36" (914)	7.71	(3.47)
☐	6"	HW	60B-HW-92-P	60D-HW-92-P	6.22" (158)	6" (152)	36" (914)	9.02	(4.06)

90° x 48"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-93-P	20D-SW-93-P	2.14" (54)	6" (152)	48" (1,219)	2.72	(1.24)
☐	2-1/2"	SW	25B-SW-93-P	25D-SW-93-P	2.64" (67)	6" (152)	48" (1,219)	3.36	(1.53)
☐	3"	SW	30B-SW-93-P	30D-SW-93-P	3.14" (80)	6" (152)	48" (1,219)	3.84	(1.74)
☐	3-1/2"	SW	35B-SW-93-P	35D-SW-93-P	3.64" (92)	6" (152)	48" (1,219)	4.80	(2.18)
☐	4"	SW	40B-SW-93-P	40D-SW-93-P	4.14" (105)	6" (152)	48" (1,219)	5.52	(2.51)
☐	4"	HW	40B-HW-93-P	40D-HW-93-P	4.19" (106)	6" (152)	48" (1,219)	7.36	(3.34)
☐	4-1/2"	SW	45B-SW-93-P	45D-SW-93-P	4.64" (117)	6" (152)	48" (1,219)	6.00	(2.72)
☐	4-1/2"	HW	45B-HW-93-P	45D-HW-93-P	4.69" (118)	6" (152)	48" (1,219)	8.32	(3.78)
☐	5"	SW	50B-SW-93-P	50D-SW-93-P	5.14" (131)	6" (152)	48" (1,219)	6.80	(3.09)
☐	5"	MW	50B-MW-93-P	50D-MW-93-P	5.19" (132)	6" (152)	48" (1,219)	9.04	(4.10)
☐	5"	HW	50B-HW-93-P	50D-HW-93-P	5.22" (133)	6" (152)	48" (1,219)	10.56	(4.79)
☐	6"	SW	60B-SW-93-P	60D-SW-93-P	6.14" (156)	6" (152)	48" (1,219)	8.16	(3.70)
☐	6"	MW	60B-MW-93-P	60D-MW-93-P	6.19" (157)	6" (152)	48" (1,219)	10.85	(4.92)
☐	6"	HW	60B-HW-93-P	60D-HW-93-P	6.22" (158)	6" (152)	48" (1,219)	12.48	(5.66)

90° x 60"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-94-P	20D-SW-94-P	2.14" (54)	6" (152)	60" (1,524)	3.00	(1.36)
☐	2-1/2"	SW	25B-SW-94-P	25D-SW-94-P	2.64" (67)	6" (152)	60" (1,524)	3.71	(1.68)
☐	3"	SW	30B-SW-94-P	30D-SW-94-P	3.14" (80)	6" (152)	60" (1,524)	4.24	(1.93)
☐	3-1/2"	SW	35B-SW-94-P	35D-SW-94-P	3.64" (92)	6" (152)	60" (1,524)	5.30	(2.41)
☐	4"	SW	40B-SW-94-P	40D-SW-94-P	4.14" (105)	6" (152)	60" (1,524)	6.10	(2.77)
☐	4"	HW	40B-HW-94-P	40D-HW-94-P	4.19" (106)	6" (152)	60" (1,524)	8.13	(3.69)
☐	4-1/2"	SW	45B-SW-94-P	45D-SW-94-P	4.64" (117)	6" (152)	60" (1,524)	6.63	(3.01)
☐	4-1/2"	HW	45B-HW-94-P	45D-HW-94-P	4.69" (118)	6" (152)	60" (1,524)	9.19	(4.17)
☐	5"	SW	50B-SW-94-P	50D-SW-94-P	5.14" (131)	6" (152)	60" (1,524)	7.51	(3.41)
☐	5"	MW	50B-MW-94-P	50D-MW-94-P	5.19" (132)	6" (152)	60" (1,524)	9.98	(4.53)
☐	5"	HW	50B-HW-94-P	50D-HW-94-P	5.22" (132)	6" (152)	60" (1,524)	11.66	(5.29)
☐	6"	SW	60B-SW-94-P	60D-SW-94-P	6.14" (156)	6" (152)	60" (1,524)	9.01	(4.09)
☐	6"	MW	60B-MW-94-P	60D-MW-94-P	6.19" (157)	6" (152)	60" (1,524)	11.93	(5.42)
☐	6"	HW	60B-HW-94-P	60D-HW-94-P	6.22" (158)	6" (152)	60" (1,524)	13.96	(6.34)

Note: For different radii, degree and/or length for any elbows listed in this catalog, please contact Champion Fiberglass directly.

For technical information regarding fittings and elbows for 8", 10" and 12" conduit, please contact Champion Fiberglass directly.



ID 45° Standard Radius Elbows

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-80-P	20D-SW-80-P	2.14" (54)	6" (152)	9.50" (241)	0.55	(0.25)

45° x 12"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-80-P	20D-SW-80-P	2.14" (54)	6" (152)	12" (305)	0.60	(0.27)
☐	2-1/2"	SW	25B-SW-80-P	25D-SW-80-P	2.64" (67)	6" (152)	12" (305)	0.74	(0.34)

45° x 24"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-81-P	20D-SW-81-P	2.14" (54)	6" (152)	24" (610)	0.85	(0.39)
☐	2-1/2"	SW	25B-SW-81-P	25D-SW-81-P	2.64" (67)	6" (152)	24" (610)	1.05	(0.48)
☐	3"	SW	30B-SW-81-P	30D-SW-81-P	3.14" (80)	6" (152)	24" (610)	1.57	(0.71)
☐	3-1/2"	SW	35B-SW-81-P	35D-SW-81-P	3.64" (92)	6" (152)	24" (610)	1.96	(0.89)
☐	4"	SW	40B-SW-81-P	40D-SW-81-P	4.14" (105)	6" (152)	24" (610)	2.25	(1.02)
☐	4"	HW	40B-HW-81-P	40D-HW-81-P	4.19" (106)	6" (152)	24" (610)	3.00	(1.36)

45° x 36"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-82-P	20D-SW-82-P	2.14" (54)	6" (152)	36" (914)	1.13	(0.51)
☐	2-1/2"	SW	25B-SW-82-P	25D-SW-82-P	2.64" (67)	6" (152)	36" (914)	1.40	(0.64)
☐	3"	SW	30B-SW-82-P	30D-SW-82-P	3.14" (80)	6" (152)	36" (914)	1.60	(0.73)
☐	3-1/2"	SW	35B-SW-82-P	35D-SW-82-P	3.64" (92)	6" (152)	36" (914)	2.00	(0.91)
☐	4"	SW	40B-SW-82-P	40D-SW-82-P	4.14" (105)	6" (152)	36" (914)	2.30	(1.04)
☐	4"	HW	40B-HW-82-P	40D-HW-82-P	4.19" (106)	6" (152)	36" (914)	3.07	(1.39)
☐	4-1/2"	SW	45B-SW-82-P	45D-SW-82-P	4.64" (117)	6" (152)	36" (914)	3.65	(1.66)
☐	4-1/2"	HW	45B-HW-82-P	45D-HW-82-P	4.69" (118)	6" (152)	36" (914)	4.00	(1.82)
☐	5"	SW	50B-SW-82-P	50D-SW-82-P	5.14" (131)	6" (152)	36" (914)	2.83	(1.28)
☐	5"	MW	50B-MW-82-P	50D-MW-82-P	5.19" (132)	6" (152)	36" (914)	3.76	(1.71)
☐	5"	HW	50B-HW-82-P	50D-HW-82-P	5.22" (132)	6" (152)	36" (914)	4.33	(1.96)
☐	6"	SW	60B-SW-82-P	60D-SW-82-P	6.14" (156)	6" (152)	36" (914)	3.40	(1.54)
☐	6"	MW	60B-MW-82-P	60D-MW-82-P	6.19" (157)	6" (152)	36" (914)	4.50	(2.04)
☐	6"	HW	60B-HW-82-P	60D-HW-82-P	6.22" (158)	6" (152)	36" (914)	5.26	(2.39)

45° x 48"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-83-P	20D-SW-83-P	2.14" (54)	6" (152)	48" (1,219)	1.39	(0.63)
☐	2-1/2"	SW	25B-SW-83-P	25D-SW-83-P	2.64" (67)	6" (152)	48" (1,219)	1.72	(0.78)
☐	3"	SW	30B-SW-83-P	30D-SW-83-P	3.14" (80)	6" (152)	48" (1,219)	1.96	(0.89)
☐	3-1/2"	SW	35B-SW-83-P	35D-SW-83-P	3.64" (92)	6" (152)	48" (1,219)	2.45	(1.11)
☐	4"	SW	40B-SW-83-P	40D-SW-83-P	4.14" (105)	6" (152)	48" (1,219)	2.82	(1.28)
☐	4"	HW	40B-HW-83-P	40D-HW-83-P	4.19" (106)	6" (152)	48" (1,219)	3.76	(1.71)
☐	4-1/2"	SW	45B-SW-83-P	45D-SW-83-P	4.64" (117)	6" (152)	48" (1,219)	3.06	(1.39)
☐	4-1/2"	HW	45B-HW-83-P	45D-HW-83-P	4.69" (118)	6" (152)	48" (1,219)	4.25	(1.93)
☐	5"	SW	50B-SW-83-P	50D-SW-83-P	5.14" (131)	6" (152)	48" (1,219)	3.47	(1.58)
☐	5"	MW	50B-MW-83-P	50D-MW-83-P	5.19" (132)	6" (152)	48" (1,219)	4.61	(2.09)
☐	5"	HW	50B-HW-83-P	50D-HW-83-P	5.22" (133)	6" (152)	48" (1,219)	5.39	(2.45)
☐	6"	SW	60B-SW-83-P	60D-SW-83-P	6.14" (156)	6" (152)	48" (1,219)	4.16	(1.89)
☐	6"	MW	60B-MW-83-P	60D-MW-83-P	6.19" (157)	6" (152)	48" (1,219)	5.51	(2.50)
☐	6"	HW	60B-HW-83-P	60D-HW-83-P	6.22" (158)	6" (152)	48" (1,219)	6.45	(2.93)

45° x 60"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-84-P	20D-SW-84-P	2.14" (54)	6" (152)	60" (1,524)	1.70	(0.77)
☐	2-1/2"	SW	25B-SW-84-P	25D-SW-84-P	2.64" (67)	6" (152)	60" (1,524)	2.10	(0.95)
☐	3"	SW	30B-SW-84-P	30D-SW-84-P	3.14" (80)	6" (152)	60" (1,524)	2.40	(1.09)
☐	3-1/2"	SW	35B-SW-84-P	35D-SW-84-P	3.64" (92)	6" (152)	60" (1,524)	3.00	(1.36)
☐	4"	SW	40B-SW-84-P	40D-SW-84-P	4.14" (105)	6" (152)	60" (1,524)	3.45	(1.57)
☐	4"	HW	40B-HW-84-P	40D-HW-84-P	4.19" (106)	6" (152)	60" (1,524)	4.60	(2.09)
☐	4-1/2"	SW	45B-SW-84-P	45D-SW-84-P	4.64" (117)	6" (152)	60" (1,524)	3.75	(1.70)
☐	4-1/2"	HW	45B-HW-84-P	45D-HW-84-P	4.69" (118)	6" (152)	60" (1,524)	5.20	(2.36)
☐	5"	SW	50B-SW-84-P	50D-SW-84-P	5.14" (131)	6" (152)	60" (1,524)	4.25	(1.93)
☐	5"	MW	50B-MW-84-P	50D-MW-84-P	5.19" (132)	6" (152)	60" (1,524)	5.65	(2.57)
☐	5"	HW	50B-HW-84-P	50D-HW-84-P	5.22" (132)	6" (152)	60" (1,524)	6.60	(3.00)
☐	6"	SW	60B-SW-84-P	60D-SW-84-P	6.14" (156)	6" (152)	60" (1,524)	5.10	(2.32)
☐	6"	MW	60B-MW-84-P	60D-MW-84-P	6.19" (157)	6" (152)	60" (1,524)	6.75	(3.07)
☐	6"	HW	60B-HW-84-P	60D-HW-84-P	6.22" (158)	6" (152)	60" (1,524)	7.90	(3.59)



ID 30° Standard Radius Elbows

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-70-P	20D-SW-70-P	2.14" (54)	6" (152)	9.50" (241)	0.48	(0.22)

30° x 12"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-70-P	20D-SW-70-P	2.14" (54)	6" (152)	12" (305)	0.54	(0.25)
☐	2-1/2"	SW	25B-SW-70-P	25D-SW-70-P	2.64" (67)	6" (152)	12" (305)	0.67	(0.30)

30° x 24"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-71-P	20D-SW-71-P	2.14" (54)	6" (152)	24" (610)	0.68	(0.31)
☐	2-1/2"	SW	25B-SW-71-P	25D-SW-71-P	2.64" (67)	6" (152)	24" (610)	0.84	(0.38)
☐	3"	SW	30B-SW-71-P	30D-SW-71-P	3.14" (80)	6" (152)	24" (610)	0.96	(0.44)
☐	3-1/2"	SW	35B-SW-71-P	35D-SW-71-P	3.64" (92)	6" (152)	24" (610)	1.20	(0.54)
☐	4"	SW	40B-SW-71-P	40D-SW-71-P	4.14" (105)	6" (152)	24" (610)	1.38	(0.63)
☐	4"	HW	40B-HW-71-P	40D-HW-71-P	4.19" (106)	6" (152)	24" (610)	1.84	(0.84)

30° x 36"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-72-P	20D-SW-72-P	2.14" (54)	6" (152)	36" (914)	0.85	(0.39)
☐	2-1/2"	SW	25B-SW-72-P	25D-SW-72-P	2.64" (67)	6" (152)	36" (914)	1.05	(0.48)
☐	3"	SW	30B-SW-72-P	30D-SW-72-P	3.14" (80)	6" (152)	36" (914)	1.20	(0.55)
☐	3-1/2"	SW	35B-SW-72-P	35D-SW-72-P	3.64" (92)	6" (152)	36" (914)	1.50	(0.68)
☐	4"	SW	40B-SW-72-P	40D-SW-72-P	4.14" (105)	6" (152)	36" (914)	1.73	(0.79)
☐	4"	HW	40B-HW-72-P	40D-HW-72-P	4.19" (106)	6" (152)	36" (914)	2.30	(1.04)
☐	4-1/2"	SW	45B-SW-72-P	45D-SW-72-P	4.64" (117)	6" (152)	36" (914)	1.88	(0.85)
☐	4-1/2"	HW	45B-HW-72-P	45D-HW-72-P	4.69" (118)	6" (152)	36" (914)	2.60	(1.18)
☐	5"	SW	50B-SW-72-P	50D-SW-72-P	5.14" (131)	6" (152)	36" (914)	2.13	(0.97)
☐	5"	MW	50B-MW-72-P	50D-MW-72-P	5.19" (132)	6" (152)	36" (914)	2.83	(1.28)
☐	5"	HW	50B-HW-72-P	50D-HW-72-P	5.22" (132)	6" (152)	36" (914)	3.25	(1.48)
☐	6"	SW	60B-SW-72-P	60D-SW-72-P	6.14" (156)	6" (152)	36" (914)	2.56	(1.16)
☐	6"	MW	60B-MW-72-P	60D-MW-72-P	6.19" (157)	6" (152)	36" (914)	3.38	(1.54)
☐	6"	HW	60B-HW-72-P	60D-HW-72-P	6.22" (158)	6" (152)	36" (914)	3.96	(1.80)

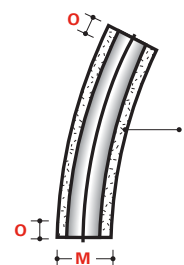
30° x 48"

	NOMINAL		ID ITEM NO		M		O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT			
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND					LBS	KG		
☐	2"	SW	20B-SW-73-P	20D-SW-73-P	2.14"	(54)	6"	(152)	48"	(1,219)	1.05	(0.48)
☐	2-1/2"	SW	25B-SW-73-P	25D-SW-73-P	2.64"	(67)	6"	(152)	48"	(1,219)	1.30	(0.59)
☐	3"	SW	30B-SW-73-P	30D-SW-73-P	3.14"	(80)	6"	(152)	48"	(1,219)	1.48	(0.67)
☐	3-1/2"	SW	35B-SW-73-P	35D-SW-73-P	3.64"	(92)	6"	(152)	48"	(1,219)	1.85	(0.84)
☐	4"	SW	40B-SW-73-P	40D-SW-73-P	4.14"	(105)	6"	(152)	48"	(1,219)	2.13	(0.97)
☐	4"	HW	40B-HW-73-P	40D-HW-73-P	4.19"	(106)	6"	(152)	48"	(1,219)	2.84	(1.29)
☐	4-1/2"	SW	45B-SW-73-P	45D-SW-73-P	4.64"	(117)	6"	(152)	48"	(1,219)	2.31	(1.05)
☐	4-1/2"	HW	45B-HW-73-P	45D-HW-73-P	4.69"	(118)	6"	(152)	48"	(1,219)	3.21	(1.46)
☐	5"	SW	50B-SW-73-P	50D-SW-73-P	5.14"	(131)	6"	(152)	48"	(1,219)	2.62	(1.19)
☐	5"	MW	50B-MW-73-P	50D-MW-73-P	5.19"	(132)	6"	(152)	48"	(1,219)	3.48	(1.58)
☐	5"	HW	50B-HW-73-P	50D-HW-73-P	5.22"	(133)	6"	(152)	48"	(1,219)	4.07	(1.85)
☐	6"	SW	60B-SW-73-P	60D-SW-73-P	6.14"	(156)	6"	(152)	48"	(1,219)	3.14	(1.42)
☐	6"	MW	60B-MW-73-P	60D-MW-73-P	6.19"	(157)	6"	(152)	48"	(1,219)	4.16	(1.89)
☐	6"	HW	60B-MW-73-P	60D-MW-73-P	6.22"	(158)	6"	(152)	48"	(1,219)	4.87	(2.21)

30° x 60"

	NOMINAL		ID ITEM NO		M		O-TANGENT (MIN)		R-RADIUS (MIN)		WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND							LBS	KG
☐	2"	SW	20B-SW-74-P	20D-SW-74-P	2.14"	(54)	6"	(152)	60"	(1,524)	1.22	(0.55)
☐	2-1/2"	SW	25B-SW-74-P	25D-SW-74-P	2.64"	(67)	6"	(152)	60"	(1,524)	1.51	(0.69)
☐	3"	SW	30B-SW-74-P	30D-SW-74-P	3.14"	(80)	6"	(152)	60"	(1,524)	1.72	(0.78)
☐	3-1/2"	SW	35B-SW-74-P	35D-SW-74-P	3.64"	(92)	6"	(152)	60"	(1,524)	2.15	(0.98)
☐	4"	SW	40B-SW-74-P	40D-SW-74-P	4.14"	(105)	6"	(152)	60"	(1,524)	2.47	(1.12)
☐	4"	HW	40B-HW-74-P	40D-HW-74-P	4.19"	(106)	6"	(152)	60"	(1,524)	3.30	(1.50)
☐	4-1/2"	SW	45B-SW-74-P	45D-SW-74-P	4.64"	(117)	6"	(152)	60"	(1,524)	2.69	(1.22)
☐	4-1/2"	HW	45B-HW-74-P	45D-HW-74-P	4.69"	(118)	6"	(152)	60"	(1,524)	3.73	(1.69)
☐	5"	SW	50B-SW-74-P	50D-SW-74-P	5.14"	(131)	6"	(152)	60"	(1,524)	3.05	(1.39)
☐	5"	MW	50B-MW-74-P	50D-MW-74-P	5.19"	(132)	6"	(152)	60"	(1,524)	4.05	(1.84)
☐	5"	HW	50B-HW-74-P	50D-HW-74-P	5.22"	(132)	6"	(152)	60"	(1,524)	4.73	(2.15)
☐	6"	SW	60B-SW-74-P	60D-SW-74-P	6.14"	(156)	6"	(152)	60"	(1,524)	3.66	(1.66)
☐	6"	MW	60B-MW-74-P	60D-MW-74-P	6.19"	(157)	6"	(152)	60"	(1,524)	4.84	(2.20)
☐	6"	HW	60B-HW-74-P	60D-HW-74-P	6.22"	(158)	6"	(152)	60"	(1,524)	5.66	(2.57)
☐	6"	MW	60B-MW-74-P	60D-MW-74-P	6.63"	(168)	6"	(152)	60"	(1,524)	5.09	(2.31)
☐	6"	HW	60B-HW-74-P	60D-HW-74-P	6.66"	(169)	6"	(152)	60"	(1,524)	5.84	(2.65)

22-1/2° elbows



ID 22-1/2° Standard Radius Elbows

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-60-P	20D-SW-60-P	2.14" (54)	6" (152)	9.50" (241)	0.45	(0.20)

22-1/2° x 12"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-60-P	20D-SW-60-P	2.14" (54)	6" (152)	12" (305)	0.48	(0.22)
☐	2-1/2"	SW	25B-SW-60-P	25D-SW-60-P	2.64" (67)	6" (152)	12" (305)	0.60	(0.27)

22-1/2° x 24"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-61-P	20D-SW-61-P	2.14" (54)	6" (152)	24" (610)	0.60	(0.27)
☐	2-1/2"	SW	25B-SW-61-P	25D-SW-61-P	2.64" (67)	6" (152)	24" (610)	0.74	(0.34)
☐	3"	SW	30B-SW-61-P	30D-SW-61-P	3.14" (80)	6" (152)	24" (610)	0.85	(0.38)
☐	3-1/2"	SW	35B-SW-61-P	35D-SW-61-P	3.64" (92)	6" (152)	24" (610)	1.06	(0.48)
☐	4"	SW	40B-SW-61-P	40D-SW-61-P	4.14" (105)	6" (152)	24" (610)	1.22	(0.55)
☐	4"	HW	40B-HW-61-P	40D-HW-61-P	4.19" (106)	6" (152)	24" (610)	1.62	(0.74)

22-1/2° x 36"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-62-P	20D-SW-62-P	2.14" (54)	6" (152)	36" (914)	0.71	(0.32)
☐	2-1/2"	SW	25B-SW-62-P	25D-SW-62-P	2.64" (67)	6" (152)	36" (914)	0.88	(0.40)
☐	3"	SW	30B-SW-62-P	30D-SW-62-P	3.14" (80)	6" (152)	36" (914)	1.00	(0.45)
☐	3-1/2"	SW	35B-SW-62-P	35D-SW-62-P	3.64" (92)	6" (152)	36" (914)	1.25	(0.57)
☐	4"	SW	40B-SW-62-P	40D-SW-62-P	4.14" (105)	6" (152)	36" (914)	1.44	(0.65)
☐	4"	HW	40B-HW-62-P	40D-HW-62-P	4.19" (106)	6" (152)	36" (914)	1.92	(0.87)
☐	4-1/2"	SW	45B-SW-62-P	45D-SW-62-P	4.64" (117)	6" (152)	36" (914)	1.56	(0.71)
☐	4-1/2"	HW	45B-HW-62-P	45D-HW-62-P	4.69" (118)	6" (152)	36" (914)	2.17	(0.99)
☐	5"	SW	50B-SW-62-P	50D-SW-62-P	5.14" (131)	6" (152)	36" (914)	1.77	(0.80)
☐	5"	MW	50B-MW-62-P	50D-MW-62-P	5.19" (132)	6" (152)	36" (914)	2.36	(1.07)
☐	5"	HW	50B-HW-62-P	50D-HW-62-P	5.22" (132)	6" (152)	36" (914)	2.71	(1.23)
☐	6"	SW	60B-SW-62-P	60D-SW-62-P	6.14" (156)	6" (152)	36" (914)	2.13	(0.97)
☐	6"	MW	60B-MW-62-P	60D-MW-62-P	6.19" (157)	6" (152)	36" (914)	2.82	(1.28)
☐	6"	HW	60B-HW-62-P	60D-HW-62-P	6.22" (158)	6" (152)	36" (914)	3.30	(1.50)

22-1/2° x 48"

	NOMINAL		ID ITEM NO		M		O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT			
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND					LBS	KG		
☐	2"	SW	20B-SW-63-P	20D-SW-63-P	2.14"	(54)	6"	(152)	48"	(1,219)	0.85	(0.50)
☐	2-1/2"	SW	25B-SW-63-P	25D-SW-63-P	2.64"	(67)	6"	(152)	48"	(1,219)	1.05	(0.64)
☐	3"	SW	30B-SW-63-P	30D-SW-63-P	3.14"	(80)	6"	(152)	48"	(1,219)	1.20	(0.77)
☐	3-1/2"	SW	35B-SW-63-P	35D-SW-63-P	3.64"	(92)	6"	(152)	48"	(1,219)	1.50	(0.77)
☐	4"	SW	40B-SW-63-P	40D-SW-63-P	4.14"	(105)	6"	(152)	48"	(1,219)	1.73	(0.95)
☐	4"	HW	40B-HW-63-P	40D-HW-63-P	4.19"	(106)	6"	(152)	48"	(1,219)	2.30	(1.23)
☐	4-1/2"	SW	45B-SW-63-P	45D-SW-63-P	4.64"	(117)	6"	(152)	48"	(1,219)	1.88	(1.73)
☐	4-1/2"	HW	45B-HW-63-P	45D-HW-63-P	4.69"	(118)	6"	(152)	48"	(1,219)	2.60	(2.00)
☐	5"	SW	50B-SW-63-P	50D-SW-63-P	5.14"	(131)	6"	(152)	48"	(1,219)	2.13	(1.23)
☐	5"	MW	50B-MW-63-P	50D-MW-63-P	5.19"	(132)	6"	(152)	48"	(1,219)	2.83	(1.59)
☐	5"	HW	50B-HW-63-P	50D-HW-63-P	5.22"	(133)	6"	(152)	48"	(1,219)	3.30	(1.86)
☐	6"	SW	60B-SW-63-P	60D-SW-63-P	6.14"	(156)	6"	(152)	48"	(1,219)	2.00	(0.91)
☐	6"	MW	60B-MW-63-P	60D-MW-63-P	6.19"	(157)	6"	(152)	48"	(1,219)	2.84	(1.29)
☐	6"	HW	60B-HW-63-P	60D-HW-63-P	6.22"	(158)	6"	(152)	48"	(1,219)	3.26	(1.48)
☐	6"	HW	60B-HW-63-P	60D-HW-63-P	6.66"	(170)	6"	(152)	48"	(1,219)	3.26	(1.48)

22-1/2° x 60"

	NOMINAL		ID ITEM NO		M		O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT			
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND					LBS	KG		
☐	2"	SW	20B-SW-64-P	20D-SW-64-P	2.14"	(54)	6"	(152)	60"	(1,524)	0.99	(0.45)
☐	2-1/2"	SW	25B-SW-64-P	25D-SW-64-P	2.64"	(67)	6"	(152)	60"	(1,524)	1.23	(0.56)
☐	3"	SW	30B-SW-64-P	30D-SW-64-P	3.14"	(80)	6"	(152)	60"	(1,524)	1.40	(0.64)
☐	3-1/2"	SW	35B-SW-64-P	35D-SW-64-P	3.64"	(92)	6"	(152)	60"	(1,524)	1.75	(0.80)
☐	4"	SW	40B-SW-64-P	40D-SW-64-P	4.14"	(105)	6"	(152)	60"	(1,524)	2.01	(0.91)
☐	4"	HW	40B-HW-64-P	40D-HW-64-P	4.19"	(106)	6"	(152)	60"	(1,524)	2.68	(1.22)
☐	4-1/2"	SW	45B-SW-64-P	45D-SW-64-P	4.64"	(117)	6"	(152)	60"	(1,524)	2.19	(0.99)
☐	4-1/2"	HW	45B-HW-64-P	45D-HW-64-P	4.69"	(118)	6"	(152)	60"	(1,524)	3.03	(1.38)
☐	5"	SW	50B-SW-64-P	50D-SW-64-P	5.14"	(131)	6"	(152)	60"	(1,524)	2.48	(1.13)
☐	5"	MW	50B-MW-64-P	50D-MW-64-P	5.19"	(132)	6"	(152)	60"	(1,524)	3.30	(1.50)
☐	5"	HW	50B-HW-64-P	50D-HW-64-P	5.22"	(132)	6"	(152)	60"	(1,524)	3.85	(1.75)
☐	6"	SW	60B-SW-64-P	60D-SW-64-P	6.14"	(156)	6"	(152)	60"	(1,524)	2.98	(1.35)
☐	6"	MW	60B-MW-64-P	60D-MW-64-P	6.19"	(157)	6"	(152)	60"	(1,524)	3.94	(1.79)
☐	6"	HW	60B-HW-64-P	60D-HW-64-P	6.22"	(158)	6"	(152)	60"	(1,524)	4.61	(2.09)



ID 11-1/4° Standard Radius Elbows

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-50-P	20D-SW-50-P	2.14" (54)	6" (152)	9.50" (241)	0.39	(0.18)

11-1/4° x 12"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-50-P	20D-SW-50-P	2.14" (54)	6" (152)	12" (305)	0.40	(0.18)
☐	2-1/2"	SW	25B-SW-50-P	25D-SW-50-P	2.64" (67)	6" (152)	12" (305)	0.49	(0.22)

11-1/4° x 24"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-51-P	20D-SW-51-P	2.14" (54)	6" (152)	24" (610)	0.48	(0.22)
☐	2-1/2"	SW	25B-SW-51-P	25D-SW-51-P	2.64" (67)	6" (152)	24" (610)	0.60	(0.27)
☐	3"	SW	30B-SW-51-P	30D-SW-51-P	3.14" (80)	6" (152)	24" (610)	0.68	(0.25)
☐	3-1/2"	SW	35B-SW-51-P	35D-SW-51-P	3.64" (92)	6" (152)	24" (610)	0.86	(0.39)
☐	4"	SW	40B-SW-51-P	40D-SW-51-P	4.14" (105)	6" (152)	24" (610)	0.98	(0.45)
☐	4"	HW	40B-HW-51-P	40D-HW-51-P	4.19" (106)	6" (152)	24" (610)	1.48	(0.67)

11-1/4° x 36"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-52-P	20D-SW-52-P	2.14" (54)	6" (152)	36" (914)	0.54	(0.25)
☐	2-1/2"	SW	25B-SW-52-P	25D-SW-52-P	2.64" (67)	6" (152)	36" (914)	0.67	(0.30)
☐	3"	SW	30B-SW-52-P	30D-SW-52-P	3.14" (80)	6" (152)	36" (914)	0.76	(0.35)
☐	3-1/2"	SW	35B-SW-52-P	35D-SW-52-P	3.64" (92)	6" (152)	36" (914)	0.95	(0.43)
☐	4"	SW	40B-SW-52-P	40D-SW-52-P	4.14" (105)	6" (152)	36" (914)	1.09	(0.50)
☐	4"	HW	40B-HW-52-P	40D-HW-52-P	4.19" (106)	6" (152)	36" (914)	1.46	(0.66)
☐	4-1/2"	SW	45B-SW-52-P	45D-SW-52-P	4.64" (117)	6" (152)	36" (914)	1.19	(0.54)
☐	4-1/2"	HW	45B-HW-52-P	45D-HW-52-P	4.69" (118)	6" (152)	36" (914)	1.65	(0.75)
☐	5"	SW	50B-SW-52-P	50D-SW-52-P	5.14" (131)	6" (152)	36" (914)	1.34	(0.61)
☐	5"	MW	50B-MW-52-P	50D-MW-52-P	5.19" (132)	6" (152)	36" (914)	1.78	(0.81)
☐	5"	HW	50B-HW-52-P	50D-HW-52-P	5.22" (132)	6" (152)	36" (914)	2.05	(0.93)
☐	6"	SW	60B-SW-52-P	60D-SW-52-P	6.14" (156)	6" (152)	36" (914)	1.61	(0.73)
☐	6"	MW	60B-MW-52-P	60D-MW-52-P	6.19" (157)	6" (152)	36" (914)	2.13	(0.97)
☐	6"	HW	60B-HW-52-P	60D-HW-52-P	6.22" (158)	6" (152)	36" (914)	2.50	(1.00)

11-1/4° x 48"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-53-P	20D-SW-53-P	2.14" (54)	6" (152)	48" (1,219)	0.62	(0.36)
☐	2-1/2"	SW	25B-SW-53-P	25D-SW-53-P	2.64" (67)	6" (152)	48" (1,219)	0.77	(0.45)
☐	3"	SW	30B-SW-53-P	30D-SW-53-P	3.14" (80)	6" (152)	48" (1,219)	0.88	(0.55)
☐	3-1/2"	SW	35B-SW-53-P	35D-SW-53-P	3.64" (92)	6" (152)	48" (1,219)	1.10	(0.55)
☐	4"	SW	40B-SW-53-P	40D-SW-53-P	4.14" (105)	6" (152)	48" (1,219)	1.27	(0.64)
☐	4"	HW	40B-HW-53-P	40D-HW-53-P	4.19" (106)	6" (152)	48" (1,219)	1.69	(0.86)
☐	4-1/2"	SW	45B-SW-53-P	45D-SW-53-P	4.64" (117)	6" (152)	48" (1,219)	1.38	(0.73)
☐	4-1/2"	HW	45B-HW-53-P	45D-HW-53-P	4.69" (118)	6" (152)	48" (1,219)	1.91	(0.95)
☐	5"	SW	50B-SW-53-P	50D-SW-53-P	5.14" (131)	6" (152)	48" (1,219)	1.56	(0.86)
☐	5"	MW	50B-MW-53-P	50D-MW-53-P	5.19" (132)	6" (152)	48" (1,219)	2.07	(1.14)
☐	5"	HW	50B-HW-53-P	50D-HW-53-P	5.22" (133)	6" (152)	48" (1,219)	2.42	(1.27)
☐	6"	SW	60B-SW-53-P	60D-SW-53-P	6.14" (156)	6" (152)	48" (1,219)	2.31	(1.05)
☐	6"	MW	60B-MW-53-P	60D-MW-53-P	6.19" (157)	6" (152)	48" (1,219)	3.34	(1.52)
☐	6"	HW	60B-HW-53-P	60D-HW-53-P	6.22" (158)	6" (152)	48" (1,219)	4.36	(1.98)

11-1/4° x 60"

	NOMINAL		ID ITEM NO		M	O-TANGENT (MIN)	R-RADIUS (MIN)	WEIGHT	
	SIZE	TYPE	BELOW GROUND	ABOVE GROUND				LBS	KG
☐	2"	SW	20B-SW-54-P	20D-SW-54-P	2.14" (54)	6" (152)	60" (1,524)	0.68	(0.31)
☐	2-1/2"	SW	25B-SW-54-P	25D-SW-54-P	2.64" (67)	6" (152)	60" (1,524)	0.84	(0.38)
☐	3"	SW	30B-SW-54-P	30D-SW-54-P	3.14" (80)	6" (152)	60" (1,524)	0.96	(0.44)
☐	3-1/2"	SW	35B-SW-54-P	35D-SW-54-P	3.64" (92)	6" (152)	60" (1,524)	1.20	(0.55)
☐	4"	SW	40B-SW-54-P	40D-SW-54-P	4.14" (105)	6" (152)	60" (1,524)	1.38	(0.63)
☐	4"	HW	40B-HW-54-P	40D-HW-54-P	4.19" (106)	6" (152)	60" (1,524)	1.84	(0.83)
☐	4-1/2"	SW	45B-SW-54-P	45D-SW-54-P	4.64" (117)	6" (152)	60" (1,524)	1.50	(0.68)
☐	4-1/2"	HW	45B-HW-54-P	45D-HW-54-P	4.69" (118)	6" (152)	60" (1,524)	2.08	(0.94)
☐	5"	SW	50B-SW-54-P	50D-SW-54-P	5.14" (131)	6" (152)	60" (1,524)	1.70	(0.77)
☐	5"	MW	50B-MW-54-P	50D-MW-54-P	5.19" (132)	6" (152)	60" (1,524)	2.26	(1.03)
☐	5"	HW	50B-HW-54-P	50D-HW-54-P	5.22" (132)	6" (152)	60" (1,524)	2.64	(1.20)
☐	6"	SW	60B-SW-54-P	60D-SW-54-P	6.14" (156)	6" (152)	60" (1,524)	2.04	(0.93)
☐	6"	MW	60B-MW-54-P	60D-MW-54-P	6.19" (157)	6" (152)	60" (1,524)	2.70	(1.23)
☐	6"	HW	60B-HW-54-P	60D-HW-54-P	6.22" (158)	6" (152)	60" (1,524)	3.16	(1.44)