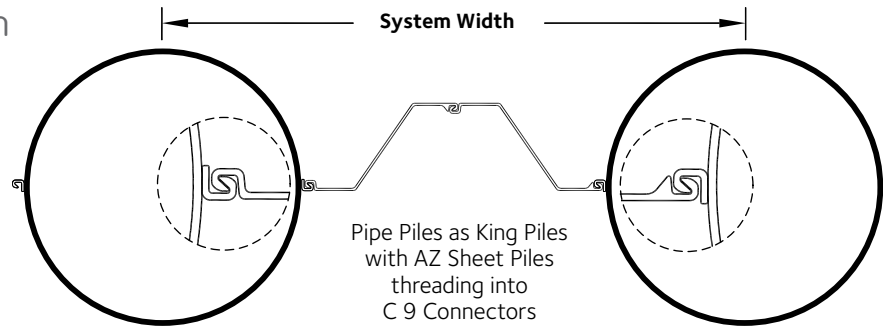


Pipe-Z

Pipe-Z Combined Wall Systems



Pipe AZ System



Pipe AZ System Combination Sample*	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft ² m ² /m			
PAZ24/AZ14-770	AZ14-770	24 609.6	0.250 6.4	63.47 94.5	87.13 2213.10	363 49530	23.5 1263.4	25.2 122.9	21.9 106.9	18.6 90.8	6.89 145.9	18.5 5.6	
PAZ24/AZ19-700	AZ19-700	24 609.6	0.375 9.5	94.71 140.9	81.62 2073.10	608 82959	38.7 2080.6	31.6 154.1	28.0 136.9	24.5 119.7	8.74 185.0	18.5 5.6	
PAZ24/AZ26-700	AZ26-700	24 609.6	0.500 12.7	125.61 186.9	81.62 2073.10	868 118464	54.0 2903.2	40.6 198.4	36.2 176.8	31.8 155.1	11.40 241.3	18.9 5.8	
PAZ24/AZ 38-700N	AZ 38-700N	24 609.6	0.625 15.9	156.17 232.4	81.62 2073.15	1212 165536	73.5 3951.6	49.8 243.0	44.4 216.8	39.0 190.7	14.09 298.2	19.8 6.0	
PAZ30/AZ14-770	AZ14-770	30 762.0	0.312 7.9	99.02 147.4	93.13 2365.50	597 81457	33.3 1790.3	28.1 137.4	25.1 122.4	22.0 107.3	7.79 165.0	20.1 6.1	
PAZ30/AZ19-700	AZ19-700	30 762.0	0.375 9.5	118.76 176.7	87.62 2225.50	836 114217	45.6 2451.6	32.7 159.7	29.4 143.6	26.1 127.6	9.11 192.8	20.1 6.1	
PAZ30/AZ26-700	AZ26-700	30 762.0	0.500 12.7	157.68 234.7	87.62 2225.50	1169 159596	62.7 3370.9	42.2 206.3	38.1 186.1	34.0 165.9	11.91 252.1	20.5 6.3	
PAZ30/AZ 38-700N	AZ 38-700N	30 762.0	0.625 15.9	196.26 292.1	87.62 2225.55	1581 215898	89.3 4801.0	51.9 253.2	46.9 228.8	41.9 204.4	14.74 311.9	21.4 6.5	
PAZ36/AZ14-770	AZ14-770	36 914.4	0.375 9.5	142.81 212.5	99.13 2517.90	989 135070	48.5 2607.5	31.7 154.9	28.8 140.8	26.0 126.7	8.88 188.0	21.6 6.6	
PAZ36/AZ19-700	AZ19-700	36 914.4	0.438 11.1	166.32 247.5	93.62 2377.90	1299 177403	62.5 3360.2	36.7 179.2	33.6 164.2	30.5 149.2	10.32 218.4	21.6 6.6	
PAZ36/AZ26-700	AZ26-700	36 914.4	0.500 12.7	189.75 282.4	93.62 2377.90	1588 216868	74.5 4005.4	43.7 213.1	39.8 194.2	35.9 175.4	12.35 261.5	22.1 6.7	
PAZ36/AZ 38-700N	AZ 38-700N	36 914.4	0.750 19.1	282.62 420.6	93.62 2377.95	2379 324804	111.9 6016.1	59.6 291.0	54.9 268.2	50.3 245.3	17.05 360.8	22.9 7.0	
PAZ42/AZ14-770	AZ14-770	42 1066.8	0.438 11.1	194.38 289.3	105.13 2670.30	1589 217005	69.1 3715.0	35.8 174.8	33.1 161.5	30.4 148.2	10.10 213.9	23.2 7.1	
PAZ42/AZ19-700	AZ19-700	42 1066.8	0.500 12.7	221.82 330.1	99.62 2530.30	1993 272215	85.4 4593.0	41.2 201.0	38.3 186.9	35.4 172.8	11.66 246.8	23.2 7.1	
PAZ42/AZ26-700	AZ26-700	42 1066.8	0.625 15.9	276.44 411.4	99.62 2530.30	2555 348961	108.1 5811.8	51.5 251.3	47.8 233.5	44.2 215.8	14.68 310.7	23.7 7.2	
PAZ42/AZ 38-700N	AZ 38-700N	42 1066.8	0.750 19.1	330.72 492.2	99.62 2530.35	3188 435375	133.1 7155.9	61.8 301.8	57.4 280.3	53.0 258.9	17.72 375.1	24.5 7.5	

* Additional combinations are available upon request.

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe AZ System

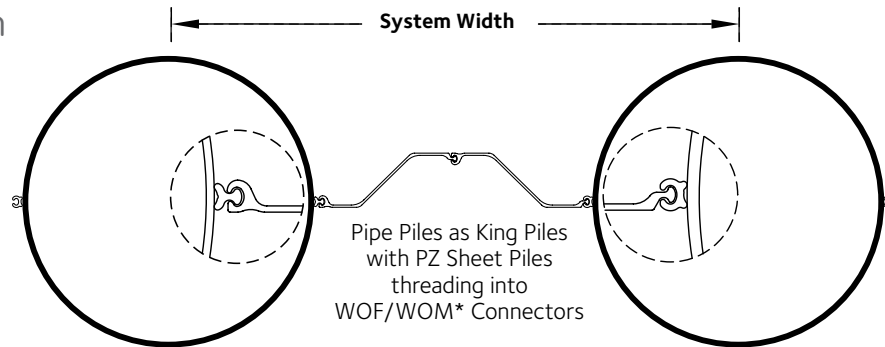
Pipe AZ System Combination Sample*	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft ² m ² /m			
PAZ48/AZ19-700	AZ19-700	48 1219.2	0.500 12.7	253.89 377.8	105.62 2682.70	2682 366235	102.6 5516.1	42.5 207.4	39.8 194.1	37.0 180.8	12.07 255.4	24.8 7.6	
PAZ48/AZ26-700	AZ26-700	48 1219.2	0.625 15.9	316.52 471.0	105.62 2682.70	3409 465486	129.1 6940.8	53.1 259.2	49.7 242.5	46.2 225.8	15.18 321.4	25.2 7.7	
PAZ48/AZ 38-700N	AZ 38-700N	48 1219.2	0.750 19.1	378.83 563.8	105.62 2682.75	4201 573708	157.3 8456.9	63.8 311.3	59.6 291.1	55.5 270.8	18.32 387.8	26.1 8.0	
PAZ54/AZ19-700	AZ19-700	54 1371.6	0.563 14.3	321.33 478.2	111.62 2835.10	3908 533601	135.6 7290.3	47.4 231.7	44.9 219.1	42.3 206.5	13.55 286.8	26.3 8.0	
PAZ54/AZ26-700	AZ26-700	54 1371.6	0.625 15.9	356.61 530.7	111.62 2835.10	4439 606154	152.0 8172.0	54.6 266.3	51.3 250.5	48.1 234.7	15.63 330.9	26.8 8.2	
PAZ54/AZ 38-700N	AZ 38-700N	54 1371.6	0.750 19.1	426.93 635.3	111.62 2835.15	5426 741019	184.0 9892.4	65.5 319.8	61.6 300.7	57.7 281.5	18.86 399.1	27.7 8.4	
PAZ60/AZ19-700	AZ19-700	60 1524.0	0.625 15.9	396.70 590.4	117.62 2987.50	5517 753432	171.9 9241.9	52.7 257.4	50.3 245.4	47.8 233.5	15.12 320.0	27.9 8.5	
PAZ60/AZ26-700	AZ26-700	60 1524.0	0.750 19.1	475.04 706.9	117.62 2987.50	6670 910802	236.5 12715.0	63.9 311.7	60.8 296.7	57.7 281.7	18.39 389.2	28.4 8.6	
PAZ60/AZ 38-700N	AZ 38-700N	60 1524.0	0.813 20.6	514.08 765.0	117.62 2987.55	7377 1007349	229.2 12322.5	71.1 346.9	67.3 328.8	63.6 310.6	20.51 434.1	29.2 8.9	
PAZ66/AZ19-700	AZ19-700	66 1676.4	0.688 17.5	480.01 714.3	123.62 3139.90	7569 1033622	220.5 11854.8	58.2 284.4	55.9 273.0	53.6 261.6	16.76 354.8	29.5 9.0	
PAZ66/AZ26-700	AZ26-700	66 1676.4	0.750 19.1	523.14 778.5	123.62 3139.90	8346 1139687	240.7 12940.8	65.4 319.4	62.5 305.1	59.6 290.8	18.87 399.4	29.9 9.1	
PAZ66/AZ 38-700N	AZ 38-700N	66 1676.4	0.813 20.6	566.19 842.6	123.62 3139.95	9183 1254014	262.2 14096.7	72.7 354.8	69.1 337.5	65.6 320.2	21.00 444.5	30.8 9.4	
PAZ72/AZ19-700	AZ19-700	72 1828.8	0.750 19.1	571.25 850.1	129.62 3292.30	10122 1382242	272.4 14645.1	64.0 312.5	61.8 301.6	59.6 290.8	18.47 390.9	31.1 9.5	
PAZ72/AZ26-700	AZ26-700	72 1828.8	0.813 20.6	618.31 920.1	129.62 3292.30	11048 1508654	294.9 15854.8	71.2 347.6	68.4 334.0	65.6 320.4	20.58 435.7	31.5 9.6	
PAZ72/AZ 38-700N	AZ 38-700N	72 1828.8	1.000 25.4	758.99 1129.5	129.62 3292.35	13606 1858024	361.8 19451.5	87.2 425.5	83.8 409.0	80.4 392.5	25.27 534.9	32.4 9.9	
PAZ78/AZ26-700	AZ26-700	78 1981.2	0.875 22.2	721.41 1073.6	135.62 3444.70	17089 2333697	395.5 21263.3	77.2 376.8	74.5 363.8	71.8 350.7	22.35 473.2	33.1 10.1	
PAZ78/AZ 38-700N	AZ 38-700N	78 1981.2	1.000 25.4	823.13 1225.0	135.62 3444.75	19578 2673522	451.0 24247.2	89.0 434.4	85.7 418.6	82.5 402.9	25.82 546.6	33.9 10.3	
PAZ84/AZ26-700	AZ26-700	84 2133.6	0.875 22.2	777.53 1157.1	141.62 3597.10	23445 3201620	477.7 25682.7	78.7 384.1	76.1 371.6	73.6 359.1	22.80 482.7	34.7 10.6	
PAZ84/AZ 38-700N	AZ 38-700N	84 2133.6	1.000 25.4	887.27 1320.4	141.62 3597.15	26815 3661766	544.3 29263.3	90.6 442.5	87.5 427.4	84.5 412.3	26.33 557.2	35.5 10.8	

* Additional combinations are available upon request.

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe PZ System



Pipe PZ System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft ² m ² /m			
PPZ24/PZ22	PZ22	24 609.6	0.250 6.4	63.47 94.5	70.36 1787.14	277 37840	23.1 1241.5	26.5 129.2	23.3 113.9	20.2 98.7	7.23 153.0	15.2 4.6	
PPZ24/PZ27	PZ27	24 609.6	0.500 12.7	125.61 186.9	62.36 1583.94	597 81513	49.7 2674.3	41.9 204.5	38.3 187.2	34.8 169.9	11.69 247.4	15.2 4.6	
PPZ24/PZ35	PZ35	24 609.6	0.625 15.9	156.17 232.4	71.64 1819.54	754 102935	62.8 3377.1	50.1 244.8	45.3 221.3	40.5 197.9	14.19 300.4	17.0 5.2	
PPZ24/PZ40	PZ40	24 609.6	0.750 19.1	186.41 277.4	65.73 1669.54	970 132528	80.9 4348.0	60.0 293.1	54.8 267.7	49.6 242.3	17.05 360.9	17.0 5.2	
PPZ30/PZ22	PZ22	30 762.0	0.375 9.5	118.76 176.7	76.36 1939.54	650 88820	43.4 2331.2	33.1 161.5	30.2 147.4	27.3 133.3	9.21 195.0	16.8 5.1	
PPZ30/PZ27	PZ27	30 762.0	0.500 12.7	157.68 234.7	68.36 1736.34	982 134116	65.5 3520.1	43.8 214.1	40.6 198.3	37.4 182.5	12.32 260.7	16.8 5.1	
PPZ30/PZ35	PZ35	30 762.0	0.625 15.9	196.26 292.1	77.64 1971.94	1173 160140	78.2 4203.2	52.5 256.1	48.0 234.5	43.6 212.9	14.92 315.7	18.6 5.7	
PPZ30/PZ40	PZ40	30 762.0	0.750 19.1	234.51 349.0	71.73 1821.94	1503 205283	100.2 5388.0	63.1 307.8	58.3 284.6	53.5 261.3	17.99 380.8	18.6 5.7	
PPZ36/PZ22	PZ22	36 914.4	0.375 9.5	142.81 212.5	82.36 2091.94	1015 138647	56.4 3032.5	34.2 166.8	31.5 153.8	28.8 140.7	9.57 202.6	18.4 5.6	
PPZ36/PZ27	PZ27	36 914.4	0.500 12.7	189.75 282.4	74.36 1888.74	1507 205802	83.7 4501.4	45.5 222.1	42.5 207.5	39.5 193.0	12.84 271.8	18.4 5.6	
PPZ36/PZ35	PZ35	36 914.4	0.625 15.9	236.35 351.7	83.64 2124.34	1755 239651	97.5 5241.7	54.4 265.8	50.3 245.8	46.2 225.7	15.54 328.9	20.2 6.1	
PPZ36/PZ40	PZ40	36 914.4	0.750 19.1	282.62 420.6	77.73 1974.34	2241 306035	124.5 6693.7	65.6 320.3	61.2 298.9	56.8 277.4	18.78 397.6	20.2 6.1	
PPZ42/PZ22	PZ22	42 1066.8	0.375 9.5	166.86 248.3	88.36 2244.34	1485 202723	70.7 3800.6	35.1 171.4	32.6 159.3	30.1 147.1	9.88 209.2	20.0 6.1	
PPZ42/PZ27	PZ27	42 1066.8	0.500 12.7	221.82 330.1	80.36 2041.14	2178 297486	103.7 5577.2	46.9 228.9	44.1 215.4	41.4 202.0	13.29 281.3	20.0 6.1	
PPZ42/PZ35	PZ35	42 1066.8	0.625 15.9	276.44 411.4	89.64 2276.74	2510 342802	119.5 6426.7	56.2 274.2	52.3 255.5	48.5 236.8	16.07 340.2	21.7 6.6	
PPZ42/PZ40	PZ40	42 1066.8	0.750 19.1	330.72 492.2	83.73 2126.74	3195 436237	152.1 8178.4	67.8 331.0	63.7 311.1	59.6 291.2	19.46 412.0	21.7 6.6	

† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe PZ System

Pipe PZ System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft m ² /m			
PPZ48/PZ22	PZ22	48 1219.2	0.500 12.7	253.89 377.8	94.36 2396.74	2716 370858	113.2 6083.6	43.9 214.6	41.6 203.2	39.3 191.8	12.51 264.7	21.5 6.6	
PPZ48/PZ27	PZ27	48 1219.2	0.563 14.3	285.25 424.5	86.36 2193.54	3354 457988	139.7 7512.9	52.4 256.0	49.9 243.5	47.3 231.0	14.96 316.6	21.5 6.6	
PPZ48/PZ35	PZ35	48 1219.2	0.625 15.9	316.52 471.0	95.64 2429.14	3446 470594	143.6 7719.7	57.7 281.6	54.1 264.0	50.5 246.5	16.54 350.2	23.3 7.1	
PPZ48/PZ40	PZ40	48 1219.2	0.750 19.1	378.83 563.8	89.73 2279.14	4371 596950	182.1 9792.5	69.7 340.3	65.9 321.7	62.1 303.1	20.05 424.5	23.3 7.1	
PPZ54/PZ22	PZ22	54 1371.6	0.563 14.3	321.33 478.2	100.36 2549.14	4068 555488	150.7 8099.9	49.4 241.1	47.2 230.4	45.0 219.7	14.13 299.0	23.1 7.0	
PPZ54/PZ27	PZ27	54 1371.6	0.625 15.9	356.61 530.7	92.36 2345.94	4921 672064	182.3 9799.7	58.3 284.6	55.9 272.9	53.5 261.3	16.71 353.7	23.1 7.0	
PPZ54/PZ35	PZ35	54 1371.6	0.750 19.1	426.93 635.3	101.64 2581.54	5413 739139	200.5 10777.8	67.3 328.6	63.9 312.1	60.5 295.6	19.40 410.6	24.9 7.6	
PPZ54/PZ40	PZ40	54 1371.6	0.875 22.2	496.92 739.5	95.73 2431.54	6662 909698	246.7 13264.8	80.1 391.3	76.6 373.8	73.0 356.4	23.15 489.9	24.9 7.6	
PPZ60/PZ27	PZ27	60 1524.0	0.625 15.9	396.70 590.4	98.36 2498.34	6336 865217	211.2 11354.6	59.6 291.1	57.4 280.2	55.1 269.2	17.13 362.6	24.7 7.5	
PPZ60/PZ35	PZ35	60 1524.0	0.750 19.1	475.04 706.9	107.64 2733.94	6983 953571	232.8 12514.1	68.9 336.5	65.7 320.9	62.5 305.3	19.89 421.1	26.4 8.1	
PPZ60/PZ40	PZ40	60 1524.0	1.000 25.4	630.71 938.6	101.73 2583.94	9706 1325482	323.5 17394.8	91.2 445.2	87.8 428.8	84.5 412.4	26.42 559.2	26.4 8.1	
PPZ66/PZ27	PZ27	66 1676.4	0.688 17.5	480.01 714.3	104.36 2650.74	8714 1189907	264.0 14196.0	65.8 321.2	63.7 310.8	61.5 300.5	18.96 401.3	26.2 8.0	
PPZ66/PZ35	PZ35	66 1676.4	0.875 22.2	609.16 906.5	113.64 2886.34	10168 1388561	308.1 16566.0	79.4 387.8	76.4 373.1	73.4 358.3	23.00 486.9	28.0 8.5	
PPZ66/PZ40	PZ40	66 1676.4	1.000 25.4	694.85 1034.1	107.73 2736.34	12195 1665330	369.5 19868.0	93.3 455.3	90.1 439.8	86.9 424.4	27.05 572.5	28.0 8.5	
PPZ72/PZ27	PZ27	72 1828.8	0.750 19.1	571.25 850.1	110.36 2803.14	11645 1590222	323.5 17390.9	72.1 352.2	70.1 342.4	68.1 332.6	20.84 441.2	27.8 8.5	
PPZ72/PZ35	PZ35	72 1828.8	0.875 22.2	665.29 990.1	119.64 3038.74	12540 1712378	348.3 18726.8	81.1 395.9	78.2 381.9	75.3 367.9	23.51 497.5	29.6 9.0	
PPZ72/PZ40	PZ40	72 1828.8	1.000 25.4	758.99 1129.5	113.73 2888.74	15003 2048761	416.7 22405.6	95.1 464.4	92.1 449.7	89.1 435.0	27.61 584.4	29.6 9.0	
PPZ78/PZ35	PZ35	78 1981.2	0.813 20.6	670.42 997.7	125.64 3191.14	14147 1931849	362.7 19501.8	77.7 379.4	75.0 366.0	72.2 352.7	22.53 476.8	31.2 9.5	
PPZ78/PZ40	PZ40	78 1981.2	1.000 25.4	823.13 1225.0	119.73 3041.14	18133 2476190	464.9 24996.9	96.8 472.5	93.9 458.5	91.1 444.6	28.12 595.1	31.2 9.5	
PPZ84/PZ35	PZ35	84 2133.6	0.875 22.2	777.53 1157.1	131.64 3343.54	18118 2474144	431.4 23192.2	83.9 409.8	81.3 397.0	78.7 384.3	24.37 515.8	32.7 10.0	
PPZ84/PZ40	PZ40	84 2133.6	1.000 25.4	887.27 1320.4	125.73 3193.54	21588 2947950	514.0 27633.6	98.3 479.8	95.6 466.5	92.8 453.3	28.57 604.8	32.7 10.0	

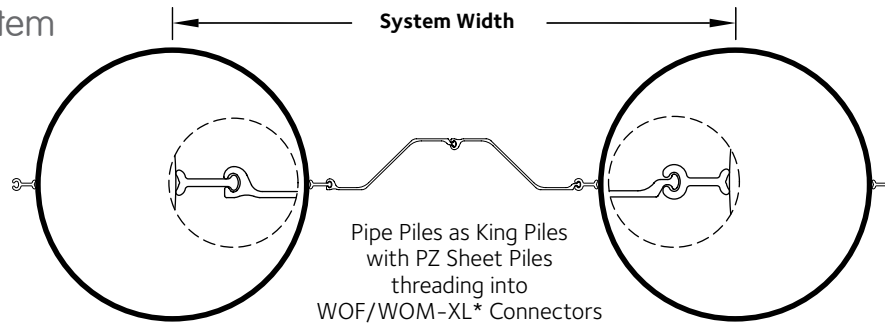
† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe PZ-XL System



Pipe PZ-XL System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft ² m ² /m			
PPZ24/PZ22	PZ22	24 609.6	0.250 6.4	63.47 94.5	75.10 1907.54	260 35452	21.6 1163.1	24.8 121.0	21.9 106.7	18.9 92.4	6.77 143.3	15.2 4.6	
PPZ24/PZ27	PZ27	24 609.6	0.500 12.7	125.61 186.9	67.10 1704.34	555 75755	46.2 2485.4	38.9 190.1	35.6 174.0	32.3 157.9	10.86 229.9	15.2 4.6	
PPZ24/PZ35	PZ35	24 609.6	0.625 15.9	156.17 232.4	76.38 1939.94	707 96547	58.9 3167.6	47.0 229.6	42.5 207.6	38.0 185.7	13.31 281.8	17.0 5.2	
PPZ24/PZ40	PZ40	24 609.6	0.750 19.1	186.41 277.4	70.47 1789.94	905 123614	75.4 4055.6	56.0 273.4	51.1 249.7	46.3 226.0	15.90 336.6	17.0 5.2	
PPZ30/PZ22	PZ22	30 762.0	0.375 9.5	118.76 176.7	81.10 2059.94	612 83629	40.8 2195.0	31.1 152.0	28.4 138.8	25.7 125.5	8.67 183.6	16.8 5.1	
PPZ30/PZ27	PZ27	30 762.0	0.500 12.7	157.68 234.7	73.10 1856.74	918 125420	61.2 3291.9	41.0 200.2	38.0 185.4	35.0 170.7	11.52 243.8	16.8 5.1	
PPZ30/PZ35	PZ35	30 762.0	0.625 15.9	196.26 292.1	82.38 2092.34	1105 150926	73.7 3961.3	49.4 241.4	45.3 221.0	41.1 200.6	14.06 297.6	18.6 5.7	
PPZ30/PZ40	PZ40	30 762.0	0.750 19.1	234.51 349.0	76.47 1942.34	1410 192559	94.0 5054.0	59.1 288.8	54.7 266.9	50.2 245.1	16.87 357.2	18.6 5.7	
PPZ36/PZ22	PZ22	36 914.4	0.375 9.5	142.81 212.5	87.10 2212.34	960 131102	53.3 2867.5	32.3 157.7	29.8 145.4	27.3 133.1	9.05 191.6	18.4 5.6	
PPZ36/PZ27	PZ27	36 914.4	0.500 12.7	189.75 282.4	79.10 2009.14	1417 193470	78.7 4231.6	42.8 208.7	40.0 195.1	37.2 181.5	12.07 255.6	18.4 5.6	
PPZ36/PZ35	PZ35	36 914.4	0.625 15.9	236.35 351.7	88.38 2244.74	1661 226797	92.3 4960.6	51.5 251.5	47.6 232.6	43.7 213.6	14.70 311.2	20.2 6.1	
PPZ36/PZ40	PZ40	36 914.4	0.750 19.1	282.62 420.6	82.47 2094.74	2112 288446	117.3 6107.0	61.8 301.9	57.7 281.7	53.6 261.5	17.70 374.7	20.2 6.1	
PPZ42/PZ22	PZ22	42 1066.8	0.375 9.5	166.86 248.3	93.10 2364.74	1409 192401	67.1 3607.1	33.3 162.7	31.0 151.2	28.6 139.6	9.38 198.5	20.0 6.1	
PPZ42/PZ27	PZ27	42 1066.8	0.500 12.7	221.82 330.1	85.10 2161.54	2057 280916	98.0 5266.5	44.3 216.1	41.7 203.4	39.1 190.8	12.55 265.7	20.0 6.1	
PPZ42/PZ35	PZ35	42 1066.8	0.625 15.9	276.44 411.4	94.38 2397.14	2384 325585	113.5 6104.0	53.3 260.4	49.7 242.7	46.1 224.9	15.27 323.1	21.7 6.6	
PPZ42/PZ40	PZ40	42 1066.8	0.750 19.1	330.72 492.2	88.47 2247.14	3023 412864	144.0 7740.3	64.2 313.3	60.3 294.5	56.4 275.6	18.42 389.9	21.7 6.6	

† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe PZ-XL System

Pipe PZ-XL System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft ⁴ cm ⁴ /m	in ³ /ft ³ cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft ² cm ² /m	ft ² /ft ² m ² /m			
PPZ48/PZ22	PZ22	48 1219.2	0.500 12.7	253.89 377.8	99.10 2517.14	2586 353120	107.7 5792.7	41.8 204.3	39.6 193.5	37.4 182.6	11.91 252.0	21.5 6.6	
PPZ48/PZ27	PZ27	48 1219.2	0.563 14.3	285.25 424.5	91.10 2313.94	3179 434158	132.5 7122.0	49.7 242.7	47.3 230.8	44.9 219.0	14.18 300.1	21.5 6.6	
PPZ48/PZ35	PZ35	48 1219.2	0.625 15.9	316.52 471.0	100.38 2549.54	3283 448372	136.8 7355.2	54.9 268.3	51.5 251.6	48.1 234.9	15.76 333.6	23.3 7.1	
PPZ48/PZ40	PZ40	48 1219.2	0.750 19.1	378.83 563.8	94.47 2399.54	4152 566999	173.0 9301.2	66.2 323.2	62.6 305.6	59.0 287.9	19.05 403.2	23.3 7.1	
PPZ54/PZ22	PZ22	54 1371.6	0.563 14.3	321.33 478.2	105.10 2669.54	3884 530436	143.9 7734.6	47.2 230.2	45.1 220.0	43.0 209.8	13.49 285.6	23.1 7.0	
PPZ54/PZ27	PZ27	54 1371.6	0.625 15.9	356.61 530.7	97.10 2466.34	4681 639257	173.4 9321.3	55.5 270.7	53.2 259.6	50.9 248.5	15.90 336.5	23.1 7.0	
PPZ54/PZ35	PZ35	54 1371.6	0.750 19.1	426.93 635.3	106.38 2701.94	5171 706204	191.5 10297.5	64.3 314.0	61.1 298.2	57.8 282.4	18.53 392.3	24.9 7.6	
PPZ54/PZ40	PZ40	54 1371.6	0.875 22.2	496.92 739.5	100.47 2551.94	6347 866780	235.1 12639.0	76.4 372.8	73.0 356.2	69.6 339.6	22.05 466.8	24.9 7.6	
PPZ60/PZ27	PZ27	60 1524.0	0.625 15.9	396.70 590.4	103.10 2618.74	6045 825439	201.5 10832.6	56.9 277.8	54.7 267.3	52.6 256.8	16.34 345.9	24.7 7.5	
PPZ60/PZ35	PZ35	60 1524.0	0.750 19.1	475.04 706.9	112.38 2854.34	6688 913349	222.9 11986.2	66.0 322.3	62.9 307.3	59.9 292.4	19.05 403.3	26.4 8.1	
PPZ60/PZ40	PZ40	60 1524.0	1.000 25.4	630.71 938.6	106.47 2704.34	9274 1266472	309.1 16620.4	87.1 425.4	83.9 409.8	80.7 394.1	25.24 534.3	26.4 8.1	
PPZ66/PZ27	PZ27	66 1676.4	0.688 17.5	480.01 714.3	109.10 2771.14	8335 1138210	252.6 13579.2	62.9 307.2	60.9 297.3	58.9 287.4	18.14 383.9	26.2 8.0	
PPZ66/PZ35	PZ35	66 1676.4	0.875 22.2	609.16 906.5	118.38 3006.74	9761 1332960	295.8 15902.7	76.3 372.3	73.4 358.2	70.5 344.0	22.08 467.4	28.0 8.5	
PPZ66/PZ40	PZ40	66 1676.4	1.000 25.4	694.85 1034.1	112.47 2856.74	11681 1595145	354.0 19030.6	89.3 436.1	86.3 421.3	83.3 406.5	25.91 548.4	28.0 8.5	
PPZ72/PZ27	PZ27	72 1828.8	0.750 19.1	571.25 850.1	115.10 2923.54	11165 1524734	310.2 16674.7	69.2 337.7	67.2 328.3	65.3 318.9	19.99 423.0	27.8 8.5	
PPZ72/PZ35	PZ35	72 1828.8	0.875 22.2	665.29 990.1	124.38 3159.14	12062 1647118	335.0 18013.1	78.0 380.8	75.2 367.3	72.5 353.8	22.61 478.6	29.6 9.0	
PPZ72/PZ40	PZ40	72 1828.8	1.000 25.4	758.99 1129.5	118.47 3009.14	14403 1966790	400.1 21509.1	91.3 445.8	88.4 431.7	85.5 417.6	26.50 561.0	29.6 9.0	
PPZ78/PZ35	PZ35	78 1981.2	0.813 20.6	670.42 997.7	130.38 3311.54	13632 1861614	349.5 18792.8	74.9 365.6	72.2 352.7	69.6 339.9	21.71 459.5	31.2 9.5	
PPZ78/PZ40	PZ40	78 1981.2	1.000 25.4	823.13 1225.0	124.47 3161.54	17442 2381893	447.2 24045.0	93.1 454.5	90.3 441.1	87.6 427.7	27.04 572.4	31.2 9.5	
PPZ84/PZ35	PZ35	84 2133.6	0.875 22.2	777.53 1157.1	136.38 3463.94	17488 2388150	416.4 22386.1	81.0 395.5	78.5 383.2	76.0 370.9	23.52 497.9	32.7 10.0	
PPZ84/PZ40	PZ40	84 2133.6	1.000 25.4	887.27 1320.4	130.47 3313.94	20803 2840850	495.3 26629.7	94.7 462.4	92.1 449.6	89.5 436.8	27.53 582.8	32.7 10.0	

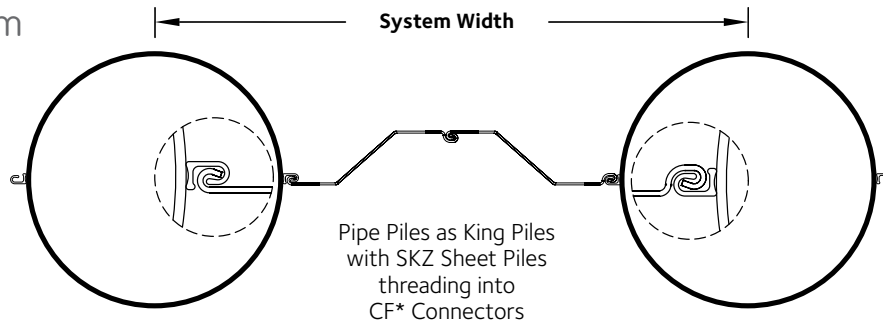
† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe SKZ System



Pipe SKZ System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter in mm	Wall Thickness in mm	Pipe Weight lb/ft kg/m	System Width in mm	System Inertia in ⁴ /ft cm ⁴ /m	Section Modulus in ³ /ft cm ³ /m	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area in ² /ft cm ² /m	Both Sides of Wall ft ² /ft m ² /m	
								100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²			
PSKZ24/SKZ20	SKZ20	24 609.6	0.250 6.4	63.47 94.5	86.86 2206.24	348 47533	29.0 1559.5	24.1 117.8	21.1 102.8	18.0 87.8	6.51 137.9	21.5 6.5	
PSKZ24/SKZ22	SKZ22	24 609.6	0.375 9.5	94.71 140.9	86.86 2206.24	444 60606	37.0 1988.4	29.3 143.0	26.0 127.2	22.8 111.3	7.98 168.9	21.5 6.5	
PSKZ24/SKZ24	SKZ24	24 609.6	0.438 11.1	110.20 164.0	86.86 2206.24	509 69461	42.4 2278.9	33.1 161.7	29.5 144.2	26.0 126.8	9.13 193.3	21.5 6.5	
PSKZ24/SKZ25	SKZ25	24 609.6	0.500 12.7	125.61 186.9	86.86 2206.24	563 76873	46.9 2522.1	36.3 177.0	32.5 158.6	28.7 140.1	10.09 213.5	21.5 6.5	
PSKZ30/SKZ20	SKZ20	30 762.0	0.375 9.5	118.76 176.7	92.86 2358.64	650 88828	43.4 2331.5	29.7 145.1	26.8 131.0	24.0 117.0	8.19 173.4	23.1 7.0	
PSKZ30/SKZ22	SKZ22	30 762.0	0.438 11.1	138.26 205.8	92.86 2358.64	738 100762	49.2 2644.7	33.0 161.2	30.0 146.4	27.0 131.6	9.12 193.0	23.1 7.0	
PSKZ30/SKZ24	SKZ24	30 762.0	0.500 12.7	157.68 234.7	92.86 2358.64	837 114278	55.8 2999.4	37.1 181.2	33.8 164.9	30.4 148.5	10.35 219.0	23.1 7.0	
PSKZ30/SKZ25	SKZ25	30 762.0	0.625 15.9	196.26 292.1	92.86 2358.64	1001 136752	66.8 3589.3	43.0 210.2	39.5 192.9	36.0 175.6	12.12 256.5	23.1 7.0	
PSKZ36/SKZ20	SKZ20	36 914.4	0.375 9.5	142.81 212.5	98.86 2511.04	954 130338	53.0 2850.8	30.8 150.5	28.1 137.3	25.4 124.2	8.55 181.1	24.6 7.5	
PSKZ36/SKZ22	SKZ22	36 914.4	0.438 11.1	166.32 247.5	98.86 2511.04	1092 149157	60.7 3262.4	34.4 168.1	31.6 154.2	28.7 140.3	9.57 202.5	24.6 7.5	
PSKZ36/SKZ24	SKZ24	36 914.4	0.500 12.7	189.75 282.4	98.86 2511.04	1241 169402	68.9 3705.2	38.8 189.2	35.6 173.9	32.5 158.5	10.86 229.9	24.6 7.5	
PSKZ36/SKZ25	SKZ25	36 914.4	0.625 15.9	236.35 351.7	98.86 2511.04	1504 205437	83.6 4493.4	45.3 221.2	42.0 205.0	38.7 188.7	12.81 271.2	24.6 7.5	
PSKZ42/SKZ20	SKZ20	42 1066.8	0.438 11.1	194.38 289.3	104.86 2663.44	1550 211606	73.8 3967.1	35.0 170.7	32.4 158.3	29.9 145.9	9.80 207.4	26.2 8.0	
PSKZ42/SKZ22	SKZ22	42 1066.8	0.500 12.7	221.82 330.1	104.86 2663.44	1752 239194	83.4 4484.3	38.8 189.5	36.1 176.4	33.4 163.2	10.88 230.4	26.2 8.0	
PSKZ42/SKZ24	SKZ24	42 1066.8	0.625 15.9	276.44 411.4	104.86 2663.44	2154 294136	102.6 5514.4	46.5 226.8	43.5 212.4	40.5 197.9	13.16 278.5	26.2 8.0	
PSKZ42/SKZ25	SKZ25	42 1066.8	0.750 19.1	330.72 492.2	104.86 2663.44	2541 347003	121.0 6505.5	53.5 261.3	50.4 246.0	47.2 230.7	15.25 322.9	26.2 8.0	

† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Pipe SKZ System

Pipe SKZ System Combination Sample†	Sheet Pile Section	PROPERTIES OF PIPE PILE			PROPERTIES OF COMBINED WALL							COATING	
		Outside Diameter	Wall Thickness	Pipe Weight	System Width	System Inertia	Section Modulus	WEIGHT (Sheet Pile Length/Pipe Length)			Cross Sectional Area		Both Sides of Wall
								100%	80%	60%			
in mm	in mm	lb/ft kg/m	in mm	in ⁴ /ft cm ⁴ /m	in ³ /ft cm ³ /m	100% lb/ft ² kg/m ²	80% lb/ft ² kg/m ²	60% lb/ft ² kg/m ²	in ² /ft cm ² /m	ft ² /ft m ² /m			
PSKZ48/SKZ20	SKZ20	48 1219.2	0.500 12.7	253.89 377.8	110.86 2815.84	2408 328887	100.4 5395.1	39.5 192.9	37.1 181.2	34.7 169.4	11.16 236.2	27.8 8.5	
PSKZ48/SKZ22	SKZ22	48 1219.2	0.625 15.9	316.52 471.0	110.86 2815.84	2963 404597	123.5 6637.1	47.0 229.3	44.4 216.9	41.9 204.5	13.31 281.7	27.8 8.5	
PSKZ48/SKZ24	SKZ24	48 1219.2	0.750 19.1	378.83 563.8	110.86 2815.84	3519 480558	146.6 7883.2	55.0 268.7	52.2 255.0	49.4 241.3	15.70 332.3	27.8 8.5	
PSKZ48/SKZ25	SKZ25	48 1219.2	0.875 22.2	440.80 656.0	110.86 2815.84	4059 554282	169.1 9092.6	62.5 305.3	59.6 290.8	56.6 276.4	17.93 379.5	27.8 8.5	
PSKZ54/SKZ20	SKZ20	54 1371.6	0.563 14.3	321.33 478.2	116.86 2968.24	3585 489604	132.8 7139.2	44.4 216.8	42.1 205.7	39.8 194.5	12.62 267.2	29.3 8.9	
PSKZ54/SKZ22	SKZ22	54 1371.6	0.625 15.9	356.61 530.7	116.86 2968.24	3963 541226	146.8 7891.9	48.7 237.6	46.3 225.8	43.8 214.1	13.83 292.8	29.3 8.9	
PSKZ54/SKZ24	SKZ24	54 1371.6	0.750 19.1	426.93 635.3	116.86 2968.24	4715 643836	174.6 9388.1	57.1 279.0	54.5 266.0	51.8 253.0	16.35 346.0	29.3 8.9	
PSKZ54/SKZ25	SKZ25	54 1371.6	0.875 22.2	496.92 739.5	116.86 2968.24	5448 744018	201.8 10848.9	65.1 317.8	62.3 304.0	59.5 290.3	18.70 395.9	29.3 8.9	
PSKZ60/SKZ20	SKZ20	60 1524.0	0.625 15.9	396.70 590.4	122.86 3120.64	5136 701371	171.2 9204.4	49.6 242.2	47.4 231.6	45.3 221.0	14.17 299.9	30.9 9.4	
PSKZ60/SKZ22	SKZ22	60 1524.0	0.750 19.1	475.04 706.9	122.86 3120.64	6109 834171	203.6 10947.1	57.9 282.5	55.6 271.3	53.3 260.1	16.56 350.5	30.9 9.4	
PSKZ60/SKZ24	SKZ24	60 1524.0	0.875 22.2	553.04 823.0	122.86 3120.64	7078 966589	235.9 12684.9	66.7 325.5	64.1 313.1	61.6 300.8	19.17 405.7	30.9 9.4	
PSKZ60/SKZ25	SKZ25	60 1524.0	1.000 25.4	630.71 938.6	122.86 3120.64	8029 1096386	267.6 14388.3	75.0 366.0	72.3 353.0	69.6 339.9	21.63 457.8	30.9 9.4	

† Additional combinations are available upon request.

* Covered by one or more patents owned by PilePro, LLC (www.pilepro.com)

Pipe-Z

Pipe-Z Combined Wall Systems

Available Steel Grades

SPIRALWELD PIPE		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
A 252 Grade 1	30	205
A 252 Grade 2	35	240
A 252 Grade 3	45	310
A 252 Grade 3 (Mod)*	50-80	345-555
A 588	50	345
A 690	50	345
A 572	50	345
A 709	50	345
A 1011/1018	50	345
Abrasion Resistant	Brinell Hardness - 190	

*Availability is dependent on pipe diameter and thickness.

ROLLED & WELDED PIPE					
ASTM	YIELD STRENGTH		ASTM	YIELD STRENGTH	
	(ksi)	(MPa)		(ksi)	(MPa)
A 36	36	250	A 572 Grade 42	42	290
A 252 Grade 1	30	205	A 572 Grade 50	50	345
A 252 Grade 2	35	240	A 572 Grade 55	55	380
A 252 Grade 3	45	310	A 572 Grade 60	60	415
A 252 Grade 3 (Mod)	50	345	A 572 Grade 65	65	450
A 516 Grade 55	30	205	A 588	50	345
A 516 Grade 60	32	220			
A 516 Grade 65	35	240			
A 516 Grade 70	38	260			

Additional grades available upon request.

AZ SHEET PILES		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
A 328	39	270
A 572 Grade 42	42	290
A 572 Grade 50	50	345
A 572 Grade 55	55	380
A 572 Grade 60	60	415
A 572 Grade 65	65	450
A 690	50	345
A 690**	57	390

PZ SHEET PILES		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
A 328	39	270
A 572 Grade 50	50	345
A 572 Grade 60	60	415
A 572 Grade 65	65	450
A 588	50	345
A 690	50	345

SKZ SHEET PILES		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
A 572 Grade 50	50	345
A 572 Grade 55	55	380
A 572 Grade 60	60	415
A 572 Grade 65 [†]	65	450
A 572 Grade 65 (Mod) ^{††}	80	555
A 690	50	345

**Not available for AZ 36-700N and larger. [†] Not available for thickness ≥ 0.375 " (9.525mm). ^{††} Not available for thicknesses > 0.276 " (7.0mm).

C9 CONNECTORS		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
S 355 GP	51	355
A 690	50	345

WOF/WOM CONNECTORS [†]		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
S355 GP		
S430 GP		
A572 Gr. 50/60		
A690		

WOF/WOM-XL CONNECTORS [†]		
ASTM	YIELD STRENGTH	
	(ksi)	(MPa)
S355 GP		
S430 GP		
A572 Gr. 50/60		
A690		