

SIW CLASSIC
PC STRAND

Low Relaxation

Standard		Nominal Diameter	Diameter Tolerance	Normal Area	Unit Weight	Weight Tolerance	Pitch	Minimum Breaking Load	Minimum Yield Load			Minimum Elongation	Straightness	1,000-HR. Relaxation		MOE							
		Grade Mpa	mm.	mm.	mm. ²	kg./1,000m.	%	kN.	kN.			%		(% Max.)		Gpa or kN/mm2							
									0.1%	0.2%	at 1.0% extension												
> 2% diff QC & QO	TIS 420 - 1997	1 720	9.30	-	51.60	405.00	+4/-2	12-18	88.8	72.8	75.4	-	3.5	≤ 25 mm. of 1 m.	80% Fm	4.5	-						
			10.80	-	69.70	546.00	+4/-2	12-18	120.0	98.4	102.0	-	3.5			4.5							
			12.40	-	92.90	729.00	+4/-2	12-18	160.0	131.0	136.0	-	3.5			4.5							
			15.20	-	139.00	1101.00	+4/-2	12-18	239.0	196.0	203.0	-	3.5			4.5							
		1 860	9.50	-	54.80	432.00	+4/-2	12-18	102.0	83.6	86.6	-	3.5		4.5								
11.10			-	74.20	580.00	+4/-2	12-18	138.0	113.0	117.0	-	3.5	4.5										
12.70			-	98.70	774.00	+4/-2	12-18	184.0	151.0	156.0	-	3.5	4.5										
15.20			-	139.00	1101.00	+4/-2	12-18	259.0	212.0	220.0	-	3.5	4.5										
> 3% diff QC & QO			AS/NZS 4672 - 2007	1 720	9.30	-	51.60	405.00	+4/-2	12-18	88.8	72.8	75.4		-	3.5		≤ 25 mm. of 1 m.	80% Fm	3.5	185 - 205		
				1 850	9.50	-	55.00	432.00	+4/-2	12-18	102.0	83.6	86.6		-	3.5				3.5			
	1 870	11.10		-	73.90	580.00	+4/-2	12-18	138.0	113.0	117.0	-	3.5	3.5									
	1 720	12.40		-	92.90	729.00	+4/-2	12-18	160.0	131.0	136.0	-	3.5	3.5									
	1 870	12.70		-	98.70	774.0	+4/-2	12-18	184.0	151.0	156.0	-	3.5	3.5									
	1 840	12.90		-	100.00	785.0	+4/-2	12-18	186.0	158.0	165.0	-	3.5	3.5									
	1 750	15.20		-	143.00	1122.0	+4/-2	12-18	250.0	205.0	212.0	-	3.5	3.5									
	1 830	15.20		-	143.00	1122.0	+4/-2	12-18	261.0	214.0	222.0	-	3.5	3.5									
	1 780	18.00		-	190.00	1492.0	+4/-2	12-18	338.0	277.0	287.0	-	3.5	3.5									
	1 830	18.00		-	190	1492	+4/-2	12-18	353.0	289.0	300.0	-	3.5	3.5									
	ASTM A416 - 2015	1 725	7.9	+/-0.4	37.00	294.0	-	12-16	64.5	-	-	58.1	3.5	-	80% Fm	3.5	-						
			9.5	+/-0.4	52.00	405.0	-	12-16	89	-	-	80.1	3.5			3.5							
			11.1	+/-0.4	69.70	548.0	-	12-16	120	-	-	108.1	3.5			3.5							
			12.7	+/-0.4	92.90	730.0	-	12-16	160	-	-	144.1	3.5			3.5							
			15.2	+/-0.4	139.00	1090.0	-	12-16	240	-	-	216.2	3.5			3.5							
		1 860	9.53	+0.65/-0.15	55.0	430	-	12-16	102	-	-	92.1	3.5			3.5							
			11.1	+0.65/-0.15	74.2	580	-	12-16	138	-	-	124.1	3.5			3.5							
			12.7	+0.65/-0.15	98.7	780	-	12-16	184	-	-	165.3	3.5			3.5							
			15.2	+0.65/-0.15	140.0	1100	-	12-16	261	-	-	234.6	3.5			3.5							
			15.7	+0.65/-0.15	150.0	1200	-	12-16	279	-	-	251.4	3.5			3.5							
			17.8	+0.65/-0.15	190.0	1500	-	12-16	353	-	-	318.0	3.5			3.5							
			> 2% diff QC & QO	ASTM A886 - 2012	1 725	7.90 - Indent	+/-0.4	37.40	294	-	12-16	64.5	-			-		58.1	3.5	-	80% Fm	3.5	-
						9.50 - Indent	+/-0.4	51.60	405	-	12-16	89.0	-			-		80.1	3.5			3.5	
						11.10 - Indent	+/-0.4	69.70	548	-	12-16	120.1	-			-		108.2	3.5			3.5	
12.70 - Indent	+/-0.4	92.90				730	-	12-16	160.3	-	-	144.3	3.5	3.5									
15.20 - Indent	+/-0.4	139.40				1094	-	12-16	240.5	-	-	216.5	3.5	3.5									
1 860	7.90 - Indent	+0.65/-0.15			39.90	313	-	12-16	74.3	-	-	66.9	3.5		3.5								
	9.50 - Indent	+0.65/-0.15			54.80	432	-	12-16	101.9	-	-	91.7	3.5		3.5								
	11.10 - Indent	+0.65/-0.15			74.20	582	-	12-16	138.0	-	-	124.2	3.5		3.5								
	12.70 - Indent	+0.65/-0.15			98.70	775	-	12-16	183.6	-	-	165.2	3.5		3.5								
	15.20 - Indent	+0.65/-0.15			140.00	1102	-	12-16	260.4	-	-	234.4	3.5		3.5								
> 2% diff QC & QO	BS 5896 - 2012	Y1670S7 Y1770S7 Y1770S7 Y1770S7 Y1770S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7 Y1860S7	15.20	-	139.0	1,086.0	+2/-2	14-18	232- 267	204.0	-	-	3.5	≤ 25 mm. of 1 m.	80% Fma	4.5	195						
			9.30	-	52.0	406.1	+2/-2	14-18	92- 106	81.0	-	-	3.5			4.5							
			11.00	-	70.0	546.7	+2/-2	14-18	124- 143	109.0	-	-	3.5			4.5							
			12.50	-	93.0	726.3	+2/-2	14-18	165- 190	145.0	-	-	3.5			4.5							
			15.70	-	150.0	1,172.0	+2/-2	14-18	266- 306	234.0	-	-	3.5			4.5							
			8.00	-	38.0	296.8	+2/-2	14-18	70.7- 81.3	62.2	-	-	3.5			4.5							
			9.30	-	52.0	406.1	+2/-2	14-18	96.7- 111	85.1	-	-	3.5			4.5							
			9.60	-	55.0	429.6	+2/-2	14-18	102- 117	89.8	-	-	3.5			4.5							
			11.30	-	75.0	585.8	+2/-2	14-18	140- 161	123.0	-	-	3.5			4.5							
			12.50	-	93.0	726.3	+2/-2	14-18	173- 199	152.0	-	-	3.5			4.5							
			12.90	-	100.0	781.0	+2/-2	14-18	186- 214	164.0	-	-	3.5			4.5							
			15.20	-	139.0	1,086.0	+2/-2	14-18	259- 298	228.0	-	-	3.5			4.5							
			15.70	-	150.0	1,172.0	+2/-2	14-18	279- 321	246.0	-	-	3.5			4.5							
			> 3% diff QC & QO	prEN 10138 - 2012	Y1770S7	9.30	-	52.0	406.1	+2/-2	14-18	92.0 - 106.0	81.0			-		-	3.5	≤ 25 mm. of 1 m.	70% Fma	2.5	195
11.00	-	70.0				546.7	+2/-2	14-18	124.0-143.0	109.0	-	-	3.5	2.5									
12.50	-	93.0				726.3	+2/-2	14-18	165.0-190.0	145.0	-	-	3.5	2.5									
12.90	-	100.0				781.0	+2/-2	14-18	177.0 - 204.0	156.0	-	-	3.5	2.5									
15.20	-	139.0				1,086.0	+2/-2	14-18	246.0-283.0	216.0	-	-	3.5	2.5									
Y1860S7	15.70	-			150.0	1,172.0	+2/-2	14-18	266.0-306.0	234.0	-	-	3.5		2.5								
	9.30	-			52.0	406.1	+2/-2	14-18	96.7-111.0	85.1	-	-	3.5		2.5								
	9.60	-			55.0	429.6	+2/-2	14-18	102.0-117.0	89.8	-	-	3.5		2.5								
	11.30	-			75.0	585.8	+2/-2	14-18	140.0-161.0	123.0	-	-	3.5		2.5								
	12.50	-			93.0	726.3	+2/-2	14-18	173.0-199.0	152.0	-	-	3.5		2.5								
	12.90	-			100.0	781.0	+2/-2	14-18	186.0-214.0	164.0	-	-	3.5		2.5								
	15.20	-			139.0	1,086.0	+2/-2	14-18	259.0-298.0	228.0	-	-	3.5		2.5								
	15.70	-			150.0	1,172.0	+2/-2	14-18	279.0-321.0	246.0	-	-	3.5		2.5								
	JIS G 3536 - 2014	SWPR7AL 1 720 SWPR7BL 1 860			9.30	+0.4/-0.2	51.61	405.0	-	12-18	88.8	-	75.5		-	3.5	-	70% Fm	2.5		-		
10.80			+0.4/-0.2	69.68	546.0	-	12-18	120.0	-	102.0	-	3.5	2.5										
12.40			+0.4/-0.2	92.90	729.0	-	12-18	160.0	-	136.0	-	3.5	2.5										
15.20			+0.4/-0.2	138.70	1,101.0	-	12-18	240.0	-	204.0	-	3.5	2.5										
SWPR7BL 1 860			9.50	+0.4/-0.2	54.84	432.0	-	12-18	102.0	-	86.8	-	3.5		2.5								
			11.10	+0.4/-0.2	74.19	580.0	-	12-18	138.0	-	118.0	-	3.5		2.5								
			12.70	+0.4/-0.2	98.71	774.0	-	12-18	183.0	-	156.0	-	3.5		2.5								
			15.20	+0.4/-0.2	138.70	1,101.0	-	12-18	261.0	-	222.0	-	3.5		2.5								
LNEC E 453 - 2011	1 860 1 860 1 860 1 860 1 860 1 860 1 770 1 860	9.30	-	52.00	406.1	+2/-2	14-18	96.7 - 111	-	-	-	3.5	≤ 25 mm. of 1 m.	70% Fma	2.5	185 - 205							
		11.30	-	75.00	585.8	+2/-2	14-18	140 - 160	83.0	-	-	3.5			2.5								
		12.50	-	93.00	726.3	+2/-2	14-18	173 - 199	120.0	-	-	3.5			2.5								
		13.00	-	102.00	796.9	+2/-2	14-18	190 - 219	149.0	-	-	3.5			2.5								
		15.20	-	139.00	1,086.0	+2/-2	14-18	259 - 298	160.0	-	-	3.5			2.5								
		15.30	-	140.00	1,093.0	+2/-2	14-18	260 - 299	224.0	-	-	3.5			2.5								
		15.70	-	150.00	1,172.0	+2/-2	14-18	266 - 306	228.0	-	-	3.5			2.5								
		15.70	-	150.00	1,172.0	+2/-2	14-18	279 - 321	240.0	-	-	3.5			2.5								
XP A35 - 045 - 3	1 860 1 860 1 860 1 860 1 860	9.30	-	52.00	406.12	+2/-2	mm:130-167	96.7	-	-	-	3.5	≤ 25 mm.	80% Fma	4.5	-							
		12.50	-	93.00	726.33	+2/-2	175-225	173.0	-	-	-	3.5			4.5								
		12.90	-	100.00	781.00	+2/-2	181-232	186.0	-	-	-	3.5			4.5								
		15.20	-	139.00	1,085.59	+2/-2	213-274	259.0	-	-	-	3.5			4.5								
		15.70	-	150.00	1,171.50	+2/-2	220-283	279.0	-	-	-	3.5			4.5								
MS 1138 - 4 2007	1 860 1 860 1 860	9.50	-	54.80	432.00	+4/-2	12-18	102.00	-	86.60	-	3.5	≤ 25 mm. of 1 m.		4.5	-							
		12.70	-	98.70	774.00	+4/-2	12-18	184.00	-	156.00	-	3.5			4.5								
		15.20	-	139.00	1,101.00	+4/-2	12-18	259.00	-	220.00	-	3.5			4.5								
		SNI 1154-2011	KBjP P7 R A (LR grade 1725) KBjP P7 R B (LR grade 1860)	6.35	+/- 0.41	23.22	182	-	12-16	40.0	-	-			36		3.5	-	70% Fm	2.5	-		
7.94	+/- 0.41			37.42	294	-	12-16	64.5	-	-	58.1	3.5	2.5										
9.53	+/- 0.41			51.61	405	-	12-16																