

**BPI® STAINLESS BARSPLICER SYSTEM (TYPE 303) TEST DATA CONVERSION - 15M AND 20M (GRADE 400)**

Lab Report & Reference No.		ASTM Bar Size Designation	ASTM Bar area in <sup>2</sup>	Max Load lb	Max Stress psi	Developed Stress %fy ASTM Gr 60 (metric Gr 420)	Equivalent CSA Designation	CSA Bar Area mm <sup>2</sup>	Max Load kN	Equivalent Max Stress CSA Gr 400 N/mm <sup>2</sup>	Equivalent Developed Stress %fy CSA Gr 400
5T7022	5A	<b>No. 5</b>	0.31	37,510	121,000	<b>202%</b>	<b>15M</b>	200	166.8	834	<b>209%</b>
	5B	<b>No. 5</b>	0.31	37,010	119,387	<b>199%</b>	<b>15M</b>	200	164.6	823	<b>206%</b>
5T7396	5A	<b>No. 5</b>	0.31	34,950	112,742	<b>188%</b>	<b>15M</b>	200	155.5	777	<b>194%</b>
	5B	<b>No. 5</b>	0.31	34,700	111,935	<b>187%</b>	<b>15M</b>	200	154.3	772	<b>193%</b>
5T7480	5A	<b>No. 5</b>	0.31	37,640	121,419	<b>202%</b>	<b>15M</b>	200	167.4	837	<b>209%</b>
	5B	<b>No. 5</b>	0.31	37,170	119,903	<b>200%</b>	<b>15M</b>	200	165.3	827	<b>207%</b>
5T7484	5A	<b>No. 5</b>	0.31	36,160	116,645	<b>194%</b>	<b>15M</b>	200	160.8	804	<b>201%</b>
	5B	<b>No. 5</b>	0.31	36,070	116,355	<b>194%</b>	<b>15M</b>	200	160.4	802	<b>201%</b>
5T9017	5A	<b>No. 5</b>	0.31	35,860	115,677	<b>193%</b>	<b>15M</b>	200	159.5	798	<b>199%</b>
6T3374	6A	<b>No. 6</b>	0.44	48,800	110,909	<b>185%</b>	<b>20M</b>	300	217.1	724	<b>181%</b>
6T4336	6A	<b>No. 6</b>	0.44	45,650	103,750	<b>173%</b>	<b>20M</b>	300	203.1	677	<b>169%</b>
6T4419	6A	<b>No. 6</b>	0.44	50,490	114,750	<b>191%</b>	<b>20M</b>	300	224.6	749	<b>187%</b>
	6B	<b>No. 6</b>	0.44	50,550	114,886	<b>191%</b>	<b>20M</b>	300	224.8	749	<b>187%</b>
	6C	<b>No. 6</b>	0.44	50,650	115,114	<b>192%</b>	<b>20M</b>	300	225.3	751	<b>188%</b>
6T4429	6A	<b>No. 6</b>	0.44	47,990	109,068	<b>182%</b>	<b>20M</b>	300	213.5	712	<b>178%</b>
	6B	<b>No. 6</b>	0.44	45,010	102,295	<b>170%</b>	<b>20M</b>	300	200.2	667	<b>167%</b>
	6C	<b>No. 6</b>	0.44	47,690	108,386	<b>181%</b>	<b>20M</b>	300	212.1	707	<b>177%</b>
6T6397	6A	<b>No. 6</b>	0.44	48,680	110,636	<b>184%</b>	<b>20M</b>	300	216.5	722	<b>180%</b>
	6B	<b>No. 6</b>	0.44	48,960	111,273	<b>185%</b>	<b>20M</b>	300	217.8	726	<b>181%</b>

**NOTES**

Test results are from routine testing of each heat lot of arriving Stainless Barsplicer material, per Barsplice Products, Inc. ISO Quality System. Reinforcing Bars, per ASTM A 955 Grade 60, have a specified yield, fy = 60,000 psi (420 N/mm<sup>2</sup>). See Lab reports for stress versus displacement curves (stress versus cross-head position). Load rates per ASTM A 370. ASTM = American Society for Testing and Materials CSA = Canadian Standards Association

BPI® STAINLESS BARSPLICER SYSTEM (TYPE 303) TEST DATA CONVERSION - 25M (GRADE 400)											
Lab Report & Reference No.		ASTM Bar Size Designation	ASTM Bar area in <sup>2</sup>	Max Load lb	Max Stress psi	Developed Stress %fy ASTM Gr 60 (metric Gr 420)	Equivalent CSA Designation	CSA Bar Area mm <sup>2</sup>	Max Load kN	Equivalent Max Stress CSA Gr 400 N/mm <sup>2</sup>	Equivalent Developed Stress %fy CSA Gr 400
8T1799	8A	<b>No. 8</b>	0.79	82,040	103,848	<b>173%</b>	<b>25M</b>	510	364.9	716	<b>179%</b>
	8B	<b>No. 8</b>	0.79	81,870	103,633	<b>173%</b>	<b>25M</b>	510	364.2	714	<b>179%</b>
8T4060	8A	<b>No. 8</b>	0.79	87,233	110,422	<b>184%</b>	<b>25M</b>	510	388.0	761	<b>190%</b>
	8B	<b>No. 8</b>	0.79	83,217	105,338	<b>176%</b>	<b>25M</b>	510	370.1	726	<b>181%</b>

**NOTES**

Test results are from routine testing of each heat lot of arriving Stainless Barsplicer material, per Barsplice Products, Inc. ISO Quality System. Reinforcing Bars, per ASTM A 955 Grade 60, have a specified yield, fy = 60,000 psi (420 N/mm<sup>2</sup>).

See Lab reports for stress versus displacement curves (stress versus cross-head position).

Load rates per ASTM A 370.

ASTM = American Society for Testing and Materials  
CSA = Canadian Standards Association

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