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

Lab Report & Reference No.		ASTM Bar Size Designation	ASTM Bar area in²	Max Load lb	Max Stress psi	Developed Stress %fy ASTM Gr 60 (metric Gr 420)	Equivalent CSA Designation	CSA Bar Area mm²	Max Load kN	Equivalent Max Stress CSA Gr 400 N/mm²	Equivalent Developed Stress %fy CSA Gr 400
5T7022	5A	**No. 5**	0.31	37,510	121,000	**202%**	**15M**	200	166.8	834	**209%**
	5B	**No. 5**	0.31	37,010	119,387	**199%**	**15M**	200	164.6	823	**206%**
5T7396	5A	**No. 5**	0.31	34,950	112,742	**188%**	**15M**	200	155.5	777	**194%**
	5B	**No. 5**	0.31	34,700	111,935	**187%**	**15M**	200	154.3	772	**193%**
5T7480	5A	**No. 5**	0.31	37,640	121,419	**202%**	**15M**	200	167.4	837	**209%**
	5B	**No. 5**	0.31	37,170	119,903	**200%**	**15M**	200	165.3	827	**207%**
5T7484	5A	**No. 5**	0.31	36,160	116,645	**194%**	**15M**	200	160.8	804	**201%**
	5B	**No. 5**	0.31	36,070	116,355	**194%**	**15M**	200	160.4	802	**201%**
6T3374	6A	**No. 6**	0.44	48,800	110,909	**185%**	**20M**	300	217.1	724	**181%**
6T4336	6A	**No. 6**	0.44	45,650	103,750	**173%**	**20M**	300	203.1	677	**169%**
6T4419	6A	**No. 6**	0.44	50,490	114,750	**191%**	**20M**	300	224.6	749	**187%**
	6B	**No. 6**	0.44	50,550	114,886	**191%**	**20M**	300	224.8	749	**187%**
	6C	**No. 6**	0.44	50,650	115,114	**192%**	**20M**	300	225.3	751	**188%**
6T4429	6A	**No. 6**	0.44	47,990	109,068	**182%**	**20M**	300	213.5	712	**178%**
	6B	**No. 6**	0.44	45,010	102,295	**170%**	**20M**	300	200.2	667	**167%**
	6C	**No. 6**	0.44	47,690	108,386	**181%**	**20M**	300	212.1	707	**177%**

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/mm²).
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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R0: 12-July-17