

**BPI® BARSPLICER SYSTEM TEST DATA CONVERSION - 15M AND 20M**

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
No. 5	0.31	28,040	90,450	151%	15M	200	124.7	624	156%
No. 5	0.31	28,793	92,880	155%	15M	200	128.1	640	160%
No. 5	0.31	28,148	90,800	151%	15M	200	125.2	626	157%
No. 5	0.31	28,232	91,070	152%	15M	200	125.6	628	157%
No. 5	0.31	27,261	87,940	147%	15M	200	121.3	606	152%
No. 5	0.31	25,823	83,300	139%	15M	200	114.9	574	144%
No. 5	0.31	26,269	84,740	141%	15M	200	116.8	584	146%
No. 5	0.31	28,656	92,440	154%	15M	200	127.5	637	159%
No. 5	0.31	27,001	87,100	145%	15M	200	120.1	601	150%
No. 5	0.31	28,405	91,630	153%	15M	200	126.3	632	158%
No. 5	0.31	30,554	98,560	164%	15M	200	135.9	680	170%
No. 5	0.31	27,472	88,620	148%	15M	200	122.2	611	153%
No. 5	0.31	28,343	91,430	152%	15M	200	126.1	630	158%
No. 5	0.31	28,501	91,940	153%	15M	200	126.8	634	158%
No. 5	0.31	27,261	87,940	147%	15M	200	121.3	606	152%
No. 5	0.31	27,745	89,500	149%	15M	200	123.4	617	154%
No. 5	0.31	28,294	91,270	152%	15M	200	125.9	629	157%
No. 5	0.31	28,557	92,120	154%	15M	200	127.0	635	159%
No. 6	0.44	43,833	99,620	166%	20M	300	195.0	650	162%
No. 6	0.44	43,872	99,710	166%	20M	300	195.1	650	163%
No. 6	0.44	41,338	93,950	157%	20M	300	183.9	613	153%
No. 6	0.44	39,468	89,700	150%	20M	300	175.6	585	146%
No. 6	0.44	39,560	89,910	150%	20M	300	176.0	587	147%
No. 6	0.44	38,104	86,600	144%	20M	300	169.5	565	141%
No. 6	0.44	44,440	101,000	168%	20M	300	197.7	659	165%
No. 6	0.44	44,660	101,500	169%	20M	300	198.6	662	166%
No. 6	0.44	45,496	103,400	172%	20M	300	202.4	675	169%
No. 6	0.44	45,470	103,340	172%	20M	300	202.2	674	169%
No. 6	0.44	43,208	98,200	164%	20M	300	192.2	641	160%
No. 6	0.44	43,041	97,820	163%	20M	300	191.4	638	160%

**NOTES**

Test results are from routine testing of each heat lot of arriving coupler material, per Barsplice Products, Inc. ISO Quality System.

Reinforcing Bars, per ASTM A 615 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® BARSPLICER SYSTEM TEST DATA CONVERSION - 25M, 30M AND 35M**

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
No. 8	0.79	68,501	86,710	145%	25M	500	304.7	609	152%
No. 8	0.79	72,348	91,580	153%	25M	500	321.8	644	161%
No. 8	0.79	72,119	91,290	152%	25M	500	320.8	642	160%
No. 8	0.79	71,898	91,010	152%	25M	500	319.8	640	160%
No. 8	0.79	68,493	86,700	145%	25M	500	304.7	609	152%
No. 8	0.79	69,860	88,430	147%	25M	500	310.7	621	155%
No. 8	0.79	68,248	86,390	144%	25M	500	303.6	607	152%
No. 8	0.79	71,171	90,090	150%	25M	500	316.6	633	158%
No. 8	0.79	76,907	97,350	162%	25M	500	342.1	684	171%
No. 8	0.79	78,281	99,090	165%	25M	500	348.2	696	174%
No. 9	1.00	92,540	92,540	154%	30M	700	411.6	588	147%
No. 9	1.00	88,360	88,360	147%	30M	700	393.0	561	140%
No. 9	1.00	85,640	85,640	143%	30M	700	380.9	544	136%
No. 9	1.00	87,730	87,730	146%	30M	700	390.2	557	139%
No. 9	1.00	85,960	85,960	143%	30M	700	382.4	546	137%
No. 9	1.00	87,540	87,540	146%	30M	700	389.4	556	139%
No. 9	1.00	91,130	91,130	152%	30M	700	405.3	579	145%
No. 9	1.00	95,130	95,130	159%	30M	700	423.1	604	151%
No. 11	1.56	128,154	82,150	137%	35M	1000	570.0	570	143%
No. 11	1.56	130,322	83,540	139%	35M	1000	579.7	580	145%
No. 11	1.56	130,681	83,770	140%	35M	1000	581.3	581	145%
No. 11	1.56	133,801	85,770	143%	35M	1000	595.1	595	149%
No. 11	1.56	139,058	89,140	149%	35M	1000	618.5	619	155%
No. 11	1.56	128,622	82,450	137%	35M	1000	572.1	572	143%
No. 11	1.56	130,463	83,630	139%	35M	1000	580.3	580	145%
No. 11	1.56	127,483	81,720	136%	35M	1000	567.0	567	142%
No. 11	1.56	128,856	82,600	138%	35M	1000	573.2	573	143%

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