

TAPER THREADED GRIP-TWIST ® SYSTEM TEST DATA CONVERSION - 25M AND 35M (GRADE 550)

Lab Report & Reference No.		Bar Type	ASTM Bar Size Designation	ASTM Bar area in ²	Max Load lb	Max Stress psi	Developed Stress %fy ASTM Gr 75 (metric Gr 520)	Equivalent CSA Designation	CSA Bar Area mm ²	Max Load kN	Equivalent Max Stress CSA Gr 550 N/mm ²	Equivalent Developed Stress %fy CSA Gr 500
8T2577	8A	Black	No. 8	0.79	94,430	119,532	149%	25M	500	420.0	840	153%
	8B		No. 8	0.79	95,230	120,544	151%	25M	500	423.6	847	154%
	8C		No. 8	0.79	94,800	120,000	150%	25M	500	421.7	843	153%
11T3256	11A	Black	No. 11	1.56	177,200	113,590	142%	35M	1000	788.2	788	143%
	11B		No. 11	1.56	179,230	114,891	144%	35M	1000	797.2	797	145%
	11C		No. 11	1.56	177,289	113,647	142%	35M	1000	788.6	789	143%

NOTES

Test results are from routine testing of each heat lot of arriving Taper Threaded Grip-Twist material, per Barsplice Products, Inc. ISO Quality System.

Reinforcing Bars, per ASTM A 615 Grade 75, have a specified yield, fy = 80,000 psi (550 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

The Taper Threaded Grip-Twist system complies with CAN/CSA A23.3, Section 12.14.3.4 and 21.2.8.1(b) for use with Grade 400, 500, and 550 reinforcing bars when installed in accordance with Barsplice Swaging Instructions (SM18) and Barsplice Terms and Conditions of Sale.



R0: 21-July-2017