

HEADED DEVICE OPTIONS WITH HIGH STRENGTH REINFORCING BARS											
ASTM A615, A706 GRADE 60		ASTM A615 GRADE 75		ASTM A615, A706 GRADE 80		ASTM A615, A706 GRADE 100		ASTM A1035 GRADE 100		ASTM A1035 GRADE 120	
ACI 318	ASTM A970	ACI 318	ASTM A970	ACI 318	ASTM A970	ACI 318	ASTM A970		ASTM A970		ASTM A970
100% <i>f_y</i> A615, A706 Grade 60	100% <i>f_u</i> A615, A706 Grade 60	100% <i>f_y</i> A615 Grade 75	100% <i>f_u</i> A615 Grade 75	100% <i>f_y</i> A615, A706 Grade 80	100% <i>f_u</i> A615, A706 Grade 80	100% <i>f_y</i> A615, A706 Grade 100	100% <i>f_u</i> A615, A706 Grade 100	100% <i>f_y</i> A1035 Grade 100	100% <i>f_u</i> A1035 Grade 100	100% <i>f_y</i> A1035 Grade 120	100% <i>f_u</i> A1035 Grade 120
60,000 psi	80,000 psi	75,000 psi	100,000 psi	80,000 psi	100,000 psi	100,000 psi	117,000 psi	100,000 psi	150,000 psi	120,000 psi	150,000 psi
STANDARD GRIP-TWIST DOUGHNUT						GRIP-TWIST XT DOUGHNUT					
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
STANDARD BARSPLICER	BARSPLICER XP DOUGHNUT							100ksi BARSPLICER DOUGHNUT (A1035 CORROSION RESISTANT)			
✓	✓	✓	✓	✓	✓			✓		✓	
								sizes #4 - #7 (1/2" - 7/8" UNC)			
✓	✓	✓	✓	✓	✓			THIS CHART PROVIDES A GENERAL SUMMARY OF STRENGTH CAPACITIES WHEN USING BPI HEADED DEVICES ON UNCOATED REINFORCING BAR.			
✓	✓	✓*		✓*		<i>f_y</i> = Specified Yield Strength <i>f_u</i> = Specified Tensile Strength VISIT www.barsplice.com FOR ADDITIONAL DETAILS INCLUDING STATEMENTS, CONDITIONS OF USE, LIMITATIONS, TERMS AND CONDITIONS OF SALE.					
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- ACI 318 (20.2.2.4, 25.4.4.1) DOES NOT PERMIT HEADED DEVICES ON BAR ABOVE GRADE 80 OR SIZES ABOVE No. 11, HOWEVER IN-AIR TESTING CONFIRMS BPI DEVICES MEET THE EQUIVALENT STRENGTH REQUIREMENTS FOR ALL AVAILABLE SIZES ON BAR GRADES LISTED

* ZAP SCREWLOK T-LOK HEADED DEVICES MEET THE THE MINIMUM SPECIFIED YIELD (*f_y*) OF A615 GRADE 75/80 AND A706 GRADE 80 REINFORCEMENT, AS WELL AS ALL DIMENSIONAL REQUIREMENTS OF ASTM A970.

- ALL BPI HEADED DEVICES ARE AVAILABLE FOR EITHER 4 Ab OR 9 Ab NET (5 Ab OR 10 Ab GROSS) BEARING AREA INSTALLATIONS.