



R5_03-11-2020

MECHANICAL SPLICE OPTIONS WITH HIGH STRENGTH REINFORCING BARS

ASTM A615, A706 GRADE 60		ASTM A615 GRADE 75		ASTM A615, A706 GRADE 80			ASTM A615 GRADE 100	ASTM A1035 GRADE 100		ASTM A1035 GRADE 120	
TYPE 1	TYPE 2	TYPE 1	TYPE 2	TYPE 1	TYPE 2 (A706)	TYPE 2 (A615)	TYPE 2	TYPE 1	TYPE 2	TYPE 1	TYPE 2
125% Fy A615, A706 Grade 60	100% Fu A615, A706 Grade 60	125% Fy A615 Grade 75	100% Fu A615 Grade 75	125% Fy A615, A706 Grade 80	100% Fu A706 Grade 80	100% Fu A615 Grade 80	100% Fu A615 Grade 100	125% Fy A1035 Grade 100	100% Fu A1035 Grade 100	125% Fy A1035 Grade 120	100% Fu A1035 Grade 120
75,000 psi	A615 = 90,000 psi A706 = 80,000 psi	93,750 psi	100,000 psi	100,000 psi	A706 = 100,000 psi	A615 = 105,000 psi	115,000 psi	125,000 psi	150,000 psi	150,000 psi	150,000 psi

MINIMUM STRENGTH
REQUIREMENT, ACI 318

GRIP-TWIST®
SYSTEM

HIGH STRENGTH
TAPER THREADED
COUPLERS,
SHOP SWAGED BY
BP2600 PRESS

STANDARD
TAPER THREADED GRIP-TWIST

GRIP-TWIST 'XT'

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

ZAP
SCREWLOK®
SYSTEM

SHEAR SCREW
COUPLERS,
FIELD INSTALLED BY
IMPACT WRENCH

ZAP
'SL'

ZAP
SCREWLOK
TYPE 2

ZAP SCREWLOK
'FX'

ZAP SCREWLOK
'FXT'

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

BPI®
BARSPLICER
SYSTEM

THREADED
STEEL COUPLERS,
BARSPLICE SHOP
THREADED REBAR

STD
BARSPLICER

BARSPLICER XP

100KSI BARSPLICER
(CORROSION RESISTANT)

[available substitution for Grade 75 & 80 Type 1 & 2]

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

[sizes #4 - #7 (1/2" - 7/8" UNC)]

THIS CHART PROVIDES A GENERAL
SUMMARY OF STRENGTH
CAPACITIES ONLY WITH UNCOATED
REINFORCING BAR & COUPLERS.

BARGRIP® XL

SWAGED
COUPLERS,
INSTALLED BY
FIELD PRESS

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Fy = Specified Yield Strength Fu = Specified Tensile Strength

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