

LENTON Mechanical Splice Performance Matrix for ASTM® Reinforcing Steel

Grade 60 – 120 • Plain and Epoxy Coated Bars

Ultimate Tensile Strength Requirement per ACI 318	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	Undefined	Type 1	Type 2	Type 1	Type 2
	A615 = 75 ksi A706 = 75 ksi	A615 = 90 ksi A706 = 80 ksi	93.8 ksi	100 ksi	A615 = 100 ksi A706 = 100 ksi	A615 = 105 ksi A706 = 100 ksi	115 ksi	125 ksi	150 ksi	150 ksi	150 ksi
Standard Couplers	A2	A2	A2	A2	A2	A2	A22	A22/ A32K	A32K	A32K	A32K
Standard Transition Couplers	A2	A2	A2	A2	A2	A2	A12	A12**	—	—	—
LENTON FORM SAVER (FS) †	FS	FS	—	—	—	—	—	—	—	—	—
LENTON FORM SAVER (SA) Δ	SA	SA	SA	SA	SA	SA	—	—	—	—	—
Position Couplers	P9	P9	P9	P9	P9	P9	P24L	P24L	—	—	—
Weldable Couplers	C2/C3J	C2/C3J	C2/C3J	C2/C3J	C2/C3J	C2/C3J	—	—	—	—	—
LENTON INTERLOK ◇	LK	LK	LK	LK	LK	LK	—	—	—	—	—
LENTON QUICK WEDGE	ML	—	—	—	—	—	—	—	—	—	—

Definitions:

Type 1, ACI 318, Section 18.2.7.1(a)- A Type 1 mechanical splice shall develop in tension or compression, as required, at least 1.25fy of the spliced bar. (1.25fy=125% of the specified yield strength).

Type 2, ACI 318, Section 18.2.7.1(b)- A Type 2 mechanical splice shall meet the requirements of Type 1 AND shall be capable of developing the specified tensile strength of the spliced bar (fu).

1 ksi = 1,000 psi.

Notes:

* ACI 318 has not yet fully defined the performance requirements for this type and grade of reinforcing steel.

** LENTON Transition Couplers (A12) only for sizes #8 and larger.

† LENTON FORM SAVER (FS) is a friction forged reinforcing steel assembly. These assemblies are only available through Pentair Regional Manufacturing Centers (RMC).

Δ LENTON FORM SAVER (SA) is a standard coupler with a mounting plate.

◇ LENTON INTERLOK performance with HY15LM grout.

WARNING

Pentair products shall be installed and used only as indicated in Pentair's product instruction sheets and training materials. Instruction sheets are available at www.erico.pentair.com and from your Pentair customer service representative. Improper installation, misuse, misapplication or other failure to completely follow Pentair's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

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