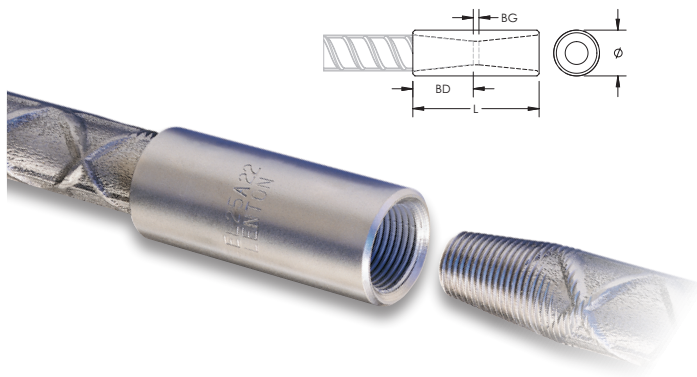


# Standard Couplers (A22)

## HIGH STRENGTH FOR USE WITH ASTM A615 GRADE 100 REINFORCING STEEL



### FEATURES

- High Strength for use with ASTM A615 Grade 100 Reinforcing Steel
- Designed to splice the same diameter bars where one bar can be rotated and the bar is not restricted in its axial direction
- Taper thread design eliminates cross threading
- The taper threading on the bar is the same for all nVent LENTON tapercoupler families
- Slim design reduces concrete cover
- Installs quickly and easily
- Available in sizes ASTM #7–#18 (22mm–57mm). Other sizes available upon request

The A22 coupler was engineered to address the building requirements for ASTM A615 grade 100 (700MPa) reinforcing steel. The A22 family of standard couplers was specifically designed for use in applications that require a high strength mechanical coupler. The performance of the spliced connection is designed to meet the bars' specified ultimate tensile strength of 115ksi (792MPa). Product is produced from 100% U.S. Domestic Steel and currently available from #7 through #18 (22mm through 57mm). Other coupler sizes are available upon request.

nVent LENTON Standard Couplers are typically specified to provide continuity and structural integrity in reinforced concrete structures. The couplers are machined to have taper threads at both ends, creating a mechanical butt splice of two sections of reinforcing steel. nVent LENTON standard couplers are designed to splice the same diameter bars when at least one bar is free to rotate. They are one of the slimmest couplers available and the tapered thread makes them one of the most reliable, easy-to-install and cost-effective systems on the market.

### Typical Applications

**Column bar, beam bar, shear wall and core wall splicing:** creates a continuous length of bar

**Segmental pours:** positioned within the form of the first pour to allow fastening prior to the second pour

See back page for assistance in identifying the best nVent LENTON coupler family for your application.

Part Number	Rebar Size			Diameter Ø	Length L	Bar Depth BD	Bar Gap BG	Unit Weight
	Metric	US	Canada					
EL22A22	22 mm	#7	—	1.25"	3.60"	1.46"	0.68"	0.8 lb
EL25A22	25 mm	#8	—	1.50"	3.80"	1.57"	0.66"	1.2 lb
EL28A22	28 mm	#9	30M	1.75"	3.97"	1.65"	0.67"	1.8 lb
EL32A22	32 mm	#10	—	1.88"	4.23"	1.78"	0.67"	2.1 lb
EL36A22	36 mm	#11	35M	2.25"	4.76"	2.04"	0.68"	3.6 lb
EL43TA22	43 mm	#14	45M	2.50"	6.22"	2.60"	1.02"	5.4 lb
EL57TA22	57 mm	#18	55M	3.25"	7.57"	3.28"	1.01"	10.8 lb

## Grade 60 – 120 • Plain and Epoxy Coated 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*	
Ultimate Tensile Strength Requirement per ACI 318	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	A32K	A32K	A32K	A32K		
Standard Transition Couplers	A2	A2	A2	A2	A2	A2	A12	—	—	—	—		
nVent LENTON Form Saver (FS) <sup>†</sup>	FS	FS	—	—	—	—	—	—	—	—	—		
nVent LENTON Form Saver (SA) <sup>Δ</sup>	SA	SA	SA	SA	SA	SA	—	—	—	—	—		
Position Couplers	P9	P9	P9	P9	P9	P9	P24L	—	—	—	—		
Weldable Couplers	C2/C3J	C2/C3J	C2/C3J	C2/C3J	C2/C3J	C2/C3J	—	—	—	—	—		
nVent LENTON Interlok	LK	LK	—	—	—	—	—	—	—	—	—		
nVent LENTON Lock S-Series	S1	S1 A706 Only	—	—	—	—	—	—	—	—	—		
nVent LENTON Lock B-Series	B1	B1	B1	—	—	—	—	—	—	—	—		
nVent LENTON Quick Wedge	ML	—	—	—	—	—	—	—	—	—	—		

**Definitions:**

Type 1, ACI 318, Section 18.2.7.1(e): 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 = 1000 psi.

**Notes:**

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

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

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



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