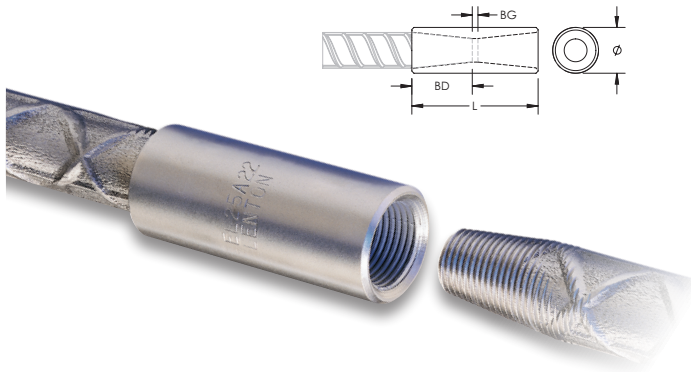


Standard Couplers (A32K)

HIGH STRENGTH AND CORROSION RESISTANT FOR USE WITH ASTM A1035 REINFORCING STEEL (GRADES 100 AND 120)



FEATURES

- High strength and corrosion resistant for use with ASTM A1035 reinforcing steel (Grades 100 and 120)
- ChromX® 9000 materials provide for a unique combination of strength and corrosion resistance
- 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 taper coupler families
- Slim design reduces concrete cover
- Installs quickly and easily
- Available in sizes ASTM #4–#14 (12mm–43mm). Other sizes available upon request

The A32K family of standard couplers is designed for use on ChromX® 2000, 4000 and 9000 Series reinforcing steels. The couplers are produced from ChromX 9000 Series steel which is manufactured to the ASTM A1035 specification. The ChromX 9000 material specification provides for a ductile, high strength coupler that has improved corrosion resistance. The performance of the spliced connection is designed to meet the bars' ultimate tensile strength of 150KSI (1034MPa) when connected with ASTM A1035 Grade 100 or 120.

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. Product is produced from 100% U.S. Domestic Steel and is currently available from #4 through #14 (12mm through 43mm). Other sizes are available upon request.

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					
EL12A32K	12 mm	#4	10M	0.75"	1.96"	0.73"	0.50"	0.2 lb
EL16A32K	16 mm	#5	15M	1.00"	2.41"	0.96"	0.49"	0.4 lb
EL20A32K	20 mm	#6	20M	1.25"	3.41"	1.37"	0.67"	0.8 lb
EL22A32K	22 mm	#7	—	1.25"	3.60"	1.46"	0.68"	0.8 lb
EL25A32K	25 mm	#8	25M	1.50"	3.80"	1.57"	0.66"	1.2 lb
EL28A32K	28 mm	#9	30M	1.50"	3.97"	1.65"	0.67"	1.1 lb
EL32A32K	32 mm	#10	—	1.75"	4.23"	1.78"	0.67"	1.6 lb
EL36A32K	36 mm	#11	35M	2.00"	4.76"	2.04"	0.68"	2.5 lb
EL40A32K	40 mm	—	—	2.25"	5.17"	2.25"	0.67"	3.5 lb
EL43TA32K	43 mm	#14	45M	2.25"	6.22"	2.60"	1.02"	3.8 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*	
	Type 1	Type 2	Type 1	Type 2	Type 1	Type 2	Undefined	Type 1	Type 2	Type 1	Type 2	
Ultimate Tensile Strength Requirement per ACI 318	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) [†]	FS	FS	–	–	–	–	–	–	–	–	–	
nVent LENTON Form Saver (SA) ^Δ	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(f): 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.

† nVent LENTON Form Saver (FS) is a friction forged reinforcing steel assembly. These assemblies are only available through nVent Regional Manufacturing Centers (RMC)

Δ nVent LENTON Form Saver (SA) is a standard coupler with a mounting plate.



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

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