

STANDARD AND STANDARD TRANSITION COUPLERS (A12)



FEATURES:

- Designed to meet or exceed major international building code requirements, including AASHTO, ACI® 318 Type 1 & Type 2, ACI 349, ACI 359, AS3600, BS8110, Caltrans Ultimate, DIN 1045, NEN 6720, NEN 6723, NF A35-020 and Sellafeld Ltd.
- Can be used with a wide variety of international rebar grades and deformation patterns
- Taper thread design eliminates cross-threading
- Installs quickly and easily
- Slim design reduces concrete cover
- Available in sizes 10 mm - 57 mm (ASTM #3 - #18)

Standard couplers and standard transition couplers (nVent LENTON A12), part of the nVent LENTON line of concrete products from nVent, 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 for use when at least one bar is free to rotate. nVent LENTON transition couplers are intended to splice bars of different diameters and are available for single and multi-step transitions.

nVent LENTON standard couplers meet or exceed major international building code requirements including AASHTO, ACI® 318 Type 1 & Type 2, ACI 349, ACI 359, AS3600, BS8110, Caltrans Ultimate, DIN 1045, NEN 6720, NEN 6723, NF A35-020 and Sellafeld Ltd. 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.

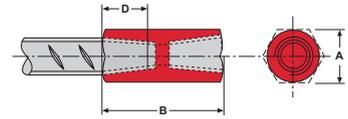
Typical Applications

- Column bar splicing: creates a continuous length of bar (shearwalls, corewalls)
- Beam bar splicing: creates a continuous length of bar
- Future extension: embedded within the concrete to structurally join the bar at a future date
- Segmental pours: positioned within the form of the first pour to allow fastening prior to the second pour

For more information, contact nVent for your nearest supplier or visit nVent.com/LENTON

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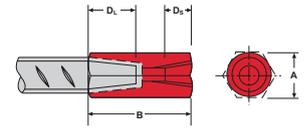
A = coupler diameter
B = length of coupler bar
D = bar engagement



Part Number	US Domestic Part Number	Rebar Size			A		B		D		Weight	
		(ASTM)	(Metric)	(Canadian)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg)	(lbs)
EL10A12N	EL10A12	#3	10	-	17*	11/16*	49	1-15/16	18	11/16	0.07	0.16
EL12A12N	EL12A12	#4	12	10M	17*	11/16*	50	1-31/32	19	3/4	0.06	0.14
EL14A12N	EL14A12		14	-	22*	7/8*	56	2-3/16	21	13/16	0.13	0.29
EL16A12N	EL16A12	#5	16	15M	22*	7/8*	61	2-13/32	24	15/16	0.13	0.28
EL18A12N	EL18A12		18	-	27*	1-1/16*	72	2-13/16	29	1-1/8	0.25	0.55
EL20A12N	EL20A12	#6	20	20M	27*	1-1/16*	87	3-13/32	35	1-3/8	0.27	0.59
EL22A12N	EL22A12	#7	22	-	30*	1-3/16*	91	3-19/32	37	1-7/16	0.35	0.78
EL25A12N	EL25A12	#8	25	25M	35	1-3/8	97	3-13/16	40	1-9/16	0.44	0.97
EL28A12N	EL28A12	#9	28	30M	40	1-1/2	101	3-31/32	42	1-5/8	0.61	1.14
EL30A12N	EL30A12		30	-	40	1-5/8	121	4-3/4	52	2-1/16	0.69	1.68
EL32A12N	EL32A12	#10	32	-	45	1-3/4	108	4-1/4	45	1-3/4	0.79	1.68
EL34A12N	EL34A12		34	-	45	1-7/8	128	5-1/32	55	2-3/16	0.89	2.38
EL36A12N	EL36A12	#11	36	35M	50	1-7/8	121	4-3/4	52	2-1/16	1.08	2.01
EL38A12N	EL38A12		38	-	55	2	124	4-7/8	53	2-1/16	1.41	2.36
EL40A12N	EL40A12		40	-	55	2-1/8	131	5-5/32	57	2-1/14	1.40	2.89
EL43TA12N	EL43TA12	#14	43	45M	60	2-1/4	158	6-7/32	66	2-5/8	2.07	3.84
EL50TA12N	EL50TA12		50	-	70	2-3/4	166	6-17/32	70	2-3/4	2.91	6.36
EL57TA12N	EL57TA12	#18	57	55M	80	3	192	7-9/16	83	3-1/8	4.45	8.27

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A = coupler diameter
B = length of coupler bar
D_L = large bar engagement
D_S = small bar engagement



Part Number	US Domestic Part Number	Rebar Size			A		B		DL = Large Bar		DS = Small Bar		Weight	
		(ASTM)	(Metric)	(Canadian)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg)	(lbs)
EL1612A12N	EL1612A12	#5/#4	16/12	15M/10M	22*	7/8*	61	2-13/32	24	15/16	19	3/4	0.14	0.31
EL1614A12N	EL1614A12		16/14		22*	7/8*	64	2-1/2	24	15/16	21	13/16	0.14	0.31
EL2016A12N	EL2016A12	#6/#5	20/16	20M/15M	27*	1-1/16*	80	3-5/32	35	1-3/8	24	15/16	0.27	0.59
EL2220A12N	EL2220A12	#7/#6	22/20		30*	1-3/16*	95	3-3/4	37	1-7/16	35	1-3/8	0.38	0.84
EL2520A12N	EL2520A12	#8/#6	25/20	25M/20M	35	1-3/8	98	3-27/32	40	1-9/16	35	1-3/8	0.50	1.10
EL2522A12N	EL2522A12	#8/#7	25/22		35	1-3/8	100	3-15/16	40	1-9/16	37	1-7/16	0.49	1.09
EL2820A12N	EL2820A12	#9/#6	28/20	30M/20M	40	1-1/2	101	3-31/32	42	1-5/8	35	1-3/8	0.69	1.33
EL2825A12N	EL2825A12	#9/#8	28/25	30M/25M	40	1-1/2	105	4-1/8	42	1-5/8	40	1-9/16	0.67	1.27
EL3225A12N	EL3225A12	#10/#8	32/25		45	1-3/4	109	4-9/32	45	1-3/4	40	1-9/16	0.91	1.94
EL3228A12N	EL3228A12	#10/#9	32/28		45	1-3/4	111	4-11/32	45	1-3/4	42	1-5/8	0.88	1.87
EL3632A12N	EL3632A12	#11/#10	36/32		50	1-7/8	120	4-23/32	52	2-1/16	45	1-3/4	1.15	2.18
EL4032A12N	EL4032A12		40/32		55	2-1/8	126	4-31/32	57	2-1/14	45	1-3/4	1.50	3.13
EL43T36A12N	EL43T36A12	#14/#11	43/36	45M/35M	60	2-1/4	148	5-13/16	66	2-5/8	52	2-1/16	2.10	3.97
EL50T32A12N	EL50T32A12		50/32		70	2-3/4	147	5-25/32	70	2-3/4	45	1-3/4	3.00	6.57
EL50T40A12N	EL50T40A12		50/40		70	2-3/4	158	6-3/16	70	2-3/4	57	2-1/14	3.09	6.76
EL57T36A12N	EL57T36A12	#18/#11	57/36	55M/35M	80	3	167	6-9/16	83	3-1/8	52	2-1/16	4.51	8.59
EL57T43TA12N	EL57T43TA12	#18/#14	57/43	55M/45M	80	3	185	7-1/4	83	3-1/8	66	2-5/8	4.87	9.24

*Hex material (measured across the flats), others use round material.
Additional multi-step transitions available upon request.

Dimensions are typical.

Metric dimensions (mm, kg) represent product produced from metric material diameters.

Imperial dimensions (in, lbs) represent product produced from imperial material diameters.

Refer to complete installation instructions provided with the product or available at nVent.com/LENTON prior to commencing installation.



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WARNING: nVent products shall be installed and used only as indicated in nVent 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 instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

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