

P13 Position Transition Coupler, Worldwide Design



CERTIFICATIONS



FEATURES

Used to splice different diameter bars

Designed to splice two curved, bent or straight bars, when neither bar can be rotated and where the ongoing bar is NOT free to move in its axial direction

Adjustability in the female end of the coupler allows the coupler to extend out to meet the taper-threaded reinforcing bar

SPECIFICATIONS

Finish:	Plain
Coupler Adjustment:	Standard
Material:	Сталь
Design Version:	Worldwide (Globally Available Materials)

Table 1/2

Catalog Number	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL1210P13LN	12 mm, 10 mm	#4, #3		25 mm	123 mm	159 mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL1412P13LN	14 mm, 12 mm			25 mm	133 mm	172 mm
EL1410P13LN	14 mm, 10 mm			25 mm	133 mm	172 mm
EL1614P13LN	16 mm, 14 mm			30 mm	144 mm	186 mm
EL1610P13LN	16 mm, 10 mm	#5, #3		30 mm	144 mm	186 mm
EL1810P13LN	18 mm, 10 mm			35 mm	161 mm	208 mm
EL2010P13LN	20 mm, 10 mm	#6, #3		35 mm	197 mm	260 mm
EL1612P13LN	16 mm, 12 mm	#5, #4	15M, 10M	30 mm	144 mm	186 mm
EL1812P13LN	18 mm, 12 mm			35 mm	161 mm	208 mm
EL2012P13LN	20 mm, 12 mm	#6, #4	20M, 10M	35 mm	197 mm	260 mm
EL2212P13LN	22 mm, 12 mm	#7, #4		40 mm	208 mm	273 mm
EL2512P13LN	25 mm, 12 mm	#8, #4	25M, 10M	45 mm	219 mm	287 mm
EL2514P13LN	25 mm, 14 mm			45 mm	219 mm	287 mm
EL2814P13LN	28 mm, 14 mm			50 mm	228 mm	298 mm
EL1814P13LN	18 mm, 14 mm			35 mm	161 mm	208 mm
EL2014P13LN	20 mm, 14 mm			35 mm	197 mm	260 mm
EL2214P13LN	22 mm, 14 mm			40 mm	208 mm	273 mm
EL1816P13LN	18 mm, 16 mm			35 mm	161 mm	208 mm
EL2016P13LN	20 mm, 16 mm	#6, #5	20M, 15M	35 mm	197 mm	260 mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL2216P13LN	22 mm, 16 mm	#7, #5		40 mm	208 mm	273 mm
EL2516P13LN	25 mm, 16 mm	#8, #5	25M, 15M	45 mm	219 mm	287 mm
EL2816P13LN	28 mm, 16 mm	#9, #5	30M, 15M	50 mm	228 mm	298 mm
EL3016P13LN	30 mm, 16 mm			55 mm	260 mm	340 mm
EL2018P13LN	20 mm, 18 mm			35 mm	197 mm	260 mm
EL2218P13LN	22 mm, 18 mm			40 mm	208 mm	273 mm
EL2518P13LN	25 mm, 18 mm			45 mm	219 mm	287 mm
EL2818P13LN	28 mm, 18 mm			50 mm	228 mm	298 mm
EL3018P13LN	30 mm, 18 mm			55 mm	260 mm	340 mm
EL3218P13LN	32 mm, 18 mm			60 mm	247 mm	321 mm
EL2220P13LN	22 mm, 20 mm	#7, #6		40 mm	208 mm	273 mm
EL2520P13LN	25 mm, 20 mm	#8, #6	25M, 20M	45 mm	219 mm	287 mm
EL2820P13LN	28 mm, 20 mm	#9, #6	30M, 20M	50 mm	228 mm	298 mm
EL3020P13LN	30 mm, 20 mm			55 mm	260 mm	340 mm
EL3220P13LN	32 mm, 20 mm	#10, #6		60 mm	247 mm	321 mm
EL3420P13LN	34 mm, 20 mm			60 mm	278 mm	362 mm
EL3222P13LN	32 mm, 22 mm	#10, #7		60 mm	247 mm	321 mm
EL3422P13LN	34 mm, 22 mm			60 mm	278 mm	362 mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL3622P13LN	36 mm, 22 mm	#11, #7		65 mm	269 mm	349 mm
EL2522P13LN	25 mm, 22 mm	#8, #7		45 mm	219 mm	287 mm
EL2822P13LN	28 mm, 22 mm	#9, #7		50 mm	228 mm	298 mm
EL3022P13LN	30 mm, 22 mm			55 mm	260 mm	340 mm
EL3225P13LN	32 mm, 25 mm	#10, #8		60 mm	247 mm	321 mm
EL3425P13LN	34 mm, 25 mm			60 mm	278 mm	362 mm
EL3625P13LN	36 mm, 25 mm	#11, #8	35M, 25M	65 mm	269 mm	349 mm
EL3825P13LN	38 mm, 25 mm	#12, #8		70 mm	276 mm	357 mm
EL4025P13LN	40 mm, 25 mm			70 mm	288 mm	374 mm
EL2825P13LN	28 mm, 25 mm	#9, #8	30M, 25M	50 mm	228 mm	298 mm
EL3025P13LN	30 mm, 25 mm			55 mm	260 mm	340 mm
EL3028P13LN	30 mm, 28 mm			55 mm	260 mm	340 mm
EL3228P13LN	32 mm, 28 mm	#10, #9		60 mm	247 mm	321 mm
EL3428P13LN	34 mm, 28 mm			60 mm	278 mm	362 mm
EL3628P13LN	36 mm, 28 mm	#11, #9	35M, 30M	65 mm	269 mm	349 mm
EL3828P13LN	38 mm, 28 mm	#12, #9		70 mm	276 mm	357 mm
EL4028P13LN	40 mm, 28 mm			70 mm	288 mm	374 mm
EL4032P13LN	40 mm, 32 mm			70 mm	288 mm	374 mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL50T32P13LN	50 mm, 32 mm			90 mm	355 mm	454 mm
EL3230P13LN	32 mm, 30 mm			60 mm	247 mm	321 mm
EL3432P13LN	34 mm, 32 mm			60 mm	278 mm	362 mm
EL3632P13LN	36 mm, 32 mm	#11, #10		65 mm	269 mm	349 mm
EL3832P13LN	38 mm, 32 mm			70 mm	276 mm	357 mm
EL3430P13LN	34 mm, 30 mm			60 mm	278 mm	362 mm
EL3630P13LN	36 mm, 30 mm			65 mm	269 mm	349 mm
EL3634P13LN	36 mm, 34 mm			65 mm	269 mm	349 mm
EL3830P13LN	38 mm, 30 mm			70 mm	276 mm	357 mm
EL3836P13LN	38 mm, 36 mm	#12, #11		70 mm	276 mm	357 mm
EL4030P13LN	40 mm, 30 mm			70 mm	288 mm	374 mm
EL4036P13LN	40 mm, 36 mm			70 mm	288 mm	374 mm
EL50T36P13LN	50 mm, 36 mm			90 mm	355 mm	454 mm
EL3834P13LN	38 mm, 34 mm			70 mm	276 mm	357 mm
EL4038P13LN	40 mm, 38 mm			70 mm	288 mm	374 mm
EL50T38P13LN	50 mm, 38 mm			90 mm	355 mm	454 mm
EL4034P13LN	40 mm, 34 mm			70 mm	288 mm	374 mm
EL50T34P13LN	50 mm, 34 mm			90 mm	355 mm	454 mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)
EL50T40P13LN	50 mm, 40 mm			90 mm	355 mm	454 mm

Table 2/2

Catalog Number	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1 (BG1)	Bar Gap 2 (BG2)	Coupler Body (CB)	Certifications
EL1210P13LN	19mm	18mm	86mm	122mm	75mm	nVent LENTON EPD - Product Specific, Kontrollrådet, ITB, DIBt, RISE
EL1412P13LN	21mm	19mm	93mm	132mm	82mm	DIBt, RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB
EL1410P13LN	21mm	18mm	94mm	133mm	82mm	nVent LENTON EPD - Product Specific, Kontrollrådet, ITB
EL1614P13LN	24mm	21mm	99mm	141mm	89mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, DIBt, RISE
EL1610P13LN	24mm	18mm	102mm	144mm	89mm	nVent LENTON EPD - Product Specific, Kontrollrådet, ITB
EL1810P13LN	29mm	18mm	114mm	161mm	101mm	nVent LENTON EPD - Product Specific, ITB
EL2010P13LN	35mm	18mm	144mm	207mm	126mm	nVent LENTON EPD - Product Specific, Kontrollrådet, ITB

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL1612P13LN	24mm	19mm	101mm	143mm	89mm	RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB
EL1812P13LN	29mm	19mm	113mm	160mm	101mm	nVent LENTON EPD - Product Specific, ITB
EL2012P13LN	35mm	19mm	143mm	206mm	126mm	ITB, RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet
EL2212P13LN	37mm	19mm	152mm	217mm	132mm	ITB, nVent LENTON EPD - Product Specific
EL2512P13LN	40mm	19mm	160mm	228mm	140mm	ITB, RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet
EL2514P13LN	40mm	21mm	158mm	226mm	140mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, RISE
EL2814P13LN	42mm	21mm	165mm	235mm	147mm	nVent LENTON EPD - Product Specific, ITB
EL1814P13LN	29mm	21mm	111mm	158mm	101mm	nVent LENTON EPD - Product Specific, ITB
EL2014P13LN	35mm	21mm	141mm	204mm	126mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, RISE

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL2214P13LN	37mm	21mm	150mm	215mm	132mm	nVent LENTON EPD - Product Specific, ITB
EL1816P13LN	29mm	24mm	108mm	155mm	101mm	nVent LENTON EPD - Product Specific, ITB
EL2016P13LN	35mm	24mm	138mm	201mm	126mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, DIBt, RISE
EL2216P13LN	37mm	24mm	147mm	212mm	132mm	ITB, nVent LENTON EPD - Product Specific
EL2516P13LN	40mm	24mm	155mm	223mm	140mm	ITB, RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet
EL2816P13LN	42mm	24mm	162mm	232mm	147mm	ITB, nVent LENTON EPD - Product Specific
EL3016P13LN	52mm	24mm	184mm	264mm	169mm	nVent LENTON EPD - Product Specific
EL2018P13LN	35mm	29mm	133mm	196mm	126mm	ITB, nVent LENTON EPD - Product Specific
EL2218P13LN	37mm	29mm	142mm	207mm	132mm	nVent LENTON EPD - Product Specific, ITB
EL2518P13LN	40mm	29mm	150mm	218mm	140mm	nVent LENTON EPD - Product Specific, ITB
EL2818P13LN	42mm	29mm	157mm	227mm	147mm	nVent LENTON EPD - Product Specific, ITB
EL3018P13LN	52mm	29mm	179mm	259mm	169mm	nVent LENTON EPD - Product Specific

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL3218P13LN	45mm	29mm	173mm	247mm	156mm	ITB, nVent LENTON EPD - Product Specific
EL2220P13LN	37mm	35mm	136mm	201mm	132mm	nVent LENTON EPD - Product Specific, ITB
EL2520P13LN	40mm	35mm	144mm	212mm	140mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, DIBt, RISE
EL2820P13LN	42mm	35mm	151mm	221mm	147mm	ITB, nVent LENTON EPD - Product Specific
EL3020P13LN	52mm	35mm	173mm	253mm	169mm	nVent LENTON EPD - Product Specific
EL3220P13LN	45mm	35mm	167mm	241mm	156mm	nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet, ITB, RISE
EL3420P13LN	55mm	35mm	188mm	272mm	177mm	nVent LENTON EPD - Product Specific
EL3222P13LN	45mm	37mm	165mm	239mm	156mm	ITB, nVent LENTON EPD - Product Specific
EL3422P13LN	55mm	37mm	186mm	270mm	177mm	nVent LENTON EPD - Product Specific
EL3622P13LN	52mm	37mm	180mm	260mm	172mm	nVent LENTON EPD - Product Specific
EL2522P13LN	40mm	37mm	142mm	210mm	140mm	ITB, nVent LENTON EPD - Product Specific

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL2822P13LN	42mm	37mm	149mm	219mm	147mm	nVent LENTON EPD - Product Specific, ITB
EL3022P13LN	52mm	37mm	171mm	251mm	169mm	nVent LENTON EPD - Product Specific
EL3225P13LN	45mm	40mm	162mm	236mm	156mm	ITB, RISE, nVent LENTON EPD - Product Specific, Kontrollrådet, Kontrollrådet
EL3425P13LN	55mm	40mm	183mm	267mm	177mm	nVent LENTON EPD - Product Specific
EL3625P13LN	52mm	40mm	177mm	257mm	172mm	nVent LENTON EPD - Product Specific
EL3825P13LN	53mm	40mm	183mm	264mm	175mm	nVent LENTON EPD - Product Specific
EL4025P13LN	57mm	40mm	191mm	277mm	184mm	nVent LENTON EPD - Product Specific, Kontrollrådet
EL2825P13LN	42mm	40mm	146mm	216mm	147mm	nVent LENTON EPD - Product Specific, ITB, DIBt
EL3025P13LN	52mm	40mm	168mm	248mm	169mm	nVent LENTON EPD - Product Specific
EL3028P13LN	52mm	42mm	166mm	246mm	169mm	nVent LENTON EPD - Product Specific
EL3228P13LN	45mm	42mm	160mm	234mm	156mm	nVent LENTON EPD - Product Specific, ITB, DIBt
EL3428P13LN	55mm	42mm	181mm	265mm	177mm	nVent LENTON EPD - Product Specific
EL3628P13LN	52mm	42mm	175mm	255mm	172mm	nVent LENTON EPD - Product Specific

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL3828P13LN	53mm	42mm	181mm	262mm	175mm	nVent LENTON EPD - Product Specific
EL4028P13LN	57mm	42mm	189mm	275mm	184mm	ITB, nVent LENTON EPD - Product Specific
EL4032P13LN	57mm	45mm	186mm	272mm	184mm	nVent LENTON EPD - Product Specific, Kontrollrådet, ITB, DIBt, RISE
EL50T32P13LN	70mm	45mm	240mm	339mm	224mm	nVent LENTON EPD - Product Specific
EL3230P13LN	45mm	52mm	150mm	224mm	156mm	nVent LENTON EPD - Product Specific
EL3432P13LN	55mm	45mm	178mm	262mm	177mm	nVent LENTON EPD - Product Specific
EL3632P13LN	52mm	45mm	172mm	252mm	172mm	nVent LENTON EPD - Product Specific
EL3832P13LN	53mm	45mm	178mm	259mm	175mm	nVent LENTON EPD - Product Specific
EL3430P13LN	55mm	52mm	171mm	255mm	177mm	nVent LENTON EPD - Product Specific
EL3630P13LN	52mm	52mm	165mm	245mm	172mm	nVent LENTON EPD - Product Specific
EL3634P13LN	52mm	55mm	162mm	242mm	172mm	nVent LENTON EPD - Product Specific
EL3830P13LN	53mm	52mm	171mm	252mm	175mm	nVent LENTON EPD - Product Specific
EL3836P13LN	53mm	52mm	171mm	252mm	175mm	nVent LENTON EPD - Product Specific

CatalogNumber	Bar Depth 1 (BD1)	Bar Depth 2 (BD2)	Bar Gap 1(BG1)	Bar Gap 2(BG2)	Coupler Body (CB)	Certifications
EL4030P13LN	57mm	52mm	179mm	265mm	184mm	nVent LENTON EPD - Product Specific
EL4036P13LN	57mm	52mm	179mm	265mm	184mm	nVent LENTON EPD - Product Specific
EL50T36P13LN	70mm	52mm	233mm	332mm	224mm	nVent LENTON EPD - Product Specific
EL3834P13LN	53mm	55mm	168mm	249mm	175mm	nVent LENTON EPD - Product Specific
EL4038P13LN	57mm	53mm	178mm	264mm	184mm	nVent LENTON EPD - Product Specific
EL50T38P13LN	70mm	53mm	232mm	331mm	224mm	nVent LENTON EPD - Product Specific
EL4034P13LN	57mm	55mm	176mm	262mm	184mm	nVent LENTON EPD - Product Specific
EL50T34P13LN	70mm	55mm	230mm	329mm	224mm	nVent LENTON EPD - Product Specific
EL50T40P13LN	70mm	57mm	228mm	327mm	224mm	CARES, nVent LENTON EPD - Product Specific

Designed to Meet: AASHTO;ABNT NBR 8548:1984;ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);ACI 349;ACI 359;AS3600

ADDITIONAL PRODUCT DETAILS

Bar dimensions and weights listed may vary by region. Coupler sizes not shown may be available by special order. Contact your nVent LENTON representative for more information.

DIAGRAMS



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 www.nvent.com 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 death and/or void your warranty.

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