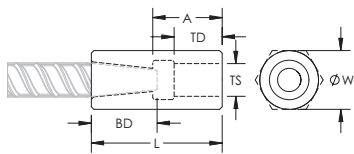


S13 Metric Parallel Bolt Coupler, Plain, Worldwide Design



- Provides continuity between reinforcing bar and ISO® 965 metric all-thread rod or bolts
- May be used to anchor load-bearing equipment to foundations, columns or walls
- Machined from non-weldable grades of material, but can be tack welded



Material: Steel

Finish: Plain

Design Version: Worldwide (Globally Available Materials)

Part Number	Rebar Size, Metric (mm)	Rebar Size, US	Rebar Size, Canada (M)	W (mm)	Ø (mm)	L (mm)	A (mm)	BD (mm)	TS	TD (mm)	Unit Weight (kg)	Certifications
EL10S13N	10	#3	-	17	-	53	28	18	M12	14	0.07	ITB
EL12S13AN	12	#4	10	-	45	86	61	19	M30	33	1.02	-
EL12S13N	12	#4	10	22	-	58	33	19	M16	19	0.12	ITB
EL14S13N	14	-	-	27	-	63	35	21	M18	21	0.12	ITB
EL16S13N	16	#5	15	27	-	68	37	24	M20	23	0.21	ITB
EL18S13N	18	-	-	-	35	75	39	29	M22	25	0.40	ITB
EL20S13AN	20	#6	20	-	35	83	39	35	M22	25	0.43	-
EL20S13BN	20	#6	20	-	35	81	37	35	M20	23	0.44	-
EL20S13N	20	#6	20	-	35	98	55	35	M24	27	0.48	ITB
EL22S13N	22	#7	-	-	40	104	58	37	M27	31	0.67	ITB
EL25S13AN	25	#8	25	-	45	103	55	40	M24	27	0.90	-
EL25S13BN	25	#8	25	-	45	85	37	40	M20	24	0.80	-
EL25S13N	25	#8	25	-	45	110	61	40	M30	33	0.90	ITB
EL28S13N	28	#9	30	-	50	115	64	42	M33	37	1.16	ITB
EL30S13N	30	-	-	-	55	128	67	52	M36	40	1.62	-
EL32S13AN	32	#10	-	-	55	115	61	45	M30	33	1.54	-
EL32S13N	32	#10	-	-	55	125	70	45	M39	43	1.42	ITB
EL34S13N	34	-	-	-	55	134	70	55	M39	43	1.52	-
EL36S13N	36	#11	35	-	65	134	73	52	M42	46	2.34	-
EL38S13N	38	#12	-	-	65	139	77	53	M45	49	2.26	-
EL40S13AN	40	-	-	-	65	146	80	57	M48	52	2.18	-
EL40S13BN	40	-	-	-	65	133	67	57	M36	40	2.41	-
EL40S13CN	40	-	-	-	65	127	61	57	M30	33	2.44	-

Part Number	Rebar Size, Metric (mm)	Rebar Size, US	Rebar Size, Canada (M)	W (mm)	Ø (mm)	L (mm)	A (mm)	BD (mm)	TS	TD (mm)	Unit Weight (kg)	Certifications
EL40S13M33N	40	-	-	-	64	160	74	57	M33	42	2.90	-
EL40S13N	40	-	-	-	65	143	77	57	M45	49	2.28	ITB
EL50TS13M33N	50	-	-	-	64	160	74	70	M33	42	2.40	-
EL50TS13N	50	-	-	-	85	171	88	70	M56	60	4.83	-

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, BS EN 1992-1-1, BS EN 1992-2, CAN/CSA - N287.2/.3/.4, DIN EN 1992-1-1, Eurocode 2, IBC Type 1 (125% Specified Yield), IBC Type 2 (Specified Tensile), ISO 15835, NEN EN 1992-1-1, NF A 35-020-1, NF EN 1992-1-1, ÖNORM EN 1992-1-1, Sellafeld Ltd. Std. ES_0_3110, US Army Corps of Engineers

Bolt-to-Coupler Capacity (kN)

Part Number	Grade 4.8	Grade 5.8	Grade 8.8	Grade 10.9	Grade 12.9
EL10S13N	33.7	42.1	67.4	67.7	67.7
EL12S13AN	224.2	280.3	448.5	526.3	526.3
EL12S13N	62.7	78.3	109.8	109.8	109.8
EL14S13N	77.0	79.9	79.9	79.9	79.9
EL16S13N	97.9	122.4	162.0	162.0	162.0
EL18S13N	121.4	151.7	242.7	267.9	267.9
EL20S13AN	121.4	151.7	242.7	303.4	356.8
EL20S13BN	97.9	122.4	195.8	244.8	289.4
EL20S13N	141.0	176.3	282.0	332.3	332.3
EL22S13N	183.8	229.7	367.5	449.9	449.9
EL25S13AN	141.0	176.3	282.0	352.5	422.9
EL25S13BN	97.9	122.4	195.8	244.8	293.8
EL25S13N	224.2	280.3	448.5	560.5	560.5
EL28S13N	277.4	346.8	554.8	621.2	621.2
EL30S13N	326.7	408.4	653.4	669.9	669.9
EL32S13AN	224.2	280.3	448.5	560.6	672.7
EL32S13N	390.3	487.9	780.6	783.8	783.8
EL34S13N	390.3	487.9	780.6	783.8	783.8
EL36S13N	448.4	560.5	896.7	1120.9	1197.1
EL38S13N	522.4	653.0	1044.8	1054.8	1054.8
EL40S13AN	589.3	736.6	1178.5	1312.4	1312.4
EL40S13BN	326.7	408.4	653.4	816.7	980.1
EL40S13CN	224.2	280.3	448.5	560.6	672.7
EL40S13M33N	522.4	653.0	1044.8	1054.8	1054.8
EL40S13N	522.4	653.0	1044.8	1054.8	1054.8
EL50TS13M33N	812.0	1015.0	1624.0	2030.0	2168.3
EL50TS13N	812.0	1015.0	1624.0	2030.0	2168.3

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.
Coupler supplied without bolt.

Bolt may be replaced by threaded rod of same class/grade.

All calculations based on a minimum bolt engagement equal to Thread Depth (TD).

System Capacity based on bolt to coupler connection. For rebar to coupler connection, refer to applicable building codes and approvals or contact your nVent LENTON representative.

ISO is a registered trademark of International Organization for Standardization.

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.erico.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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