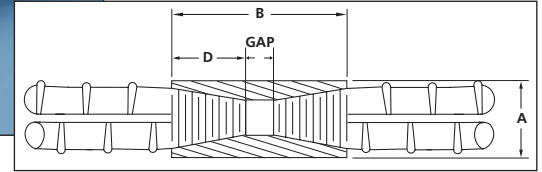


Standard A12 Mechanical Rebar Splice

Features

- One of the slimmest, most reliable couplers available today
- Installs quickly, accelerating construction schedules
- Permits rebar from multiple sources for maximum cost savings
- Threading at the fabrication shop eliminates installation equipment problems at the jobsite
- Taper-thread design eliminates cross-threading problems
- Excellent for future extension applications
- Approved by major building codes and agencies around the world



Description

LENTON® standard A12 couplers are typically specified to provide continuity and structural integrity in either columns or beams in reinforced concrete construction. The coupler is machined to have a taper thread at both ends, creating a mechanical butt splice of two sections of reinforcing steel. LENTON A12 couplers are designed to be used where at least one bar is free to rotate (approximately four revolutions). The reinforcing bars can be easily threaded directly on the job site with small and portable threading equipment. The system installs using a typical pipe wrench. Contact ERICO® for your nearest supplier.

Splice Performance

The assembled connection meets ACI®-318, BS 8110 and DIN 1045 full-tension splice requirements and many other international standards. The splices also exceed Type 1 and Type 2 splice requirements.

Typical Applications

New Reinforced Concrete Construction:

- 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.

Rebar size designation Metric (mm)	Part No.	Art. No.	A mm	B mm	D mm	Weight kg
10	EL10A12	150000	17*	48	18	0.07
12	EL12A12	150010	17*	49	18	0.06
14	EL14A12	150020	22*	55	21	0.13
16	EL16A12	150030	22*	61	24	0.13
18	EL18A12	150040	27*	71	29	0.24
20	EL20A12	150050	27*	88	36	0.27
22	EL22A12	150060	33	91	38	0.40
25	EL25A12	150070	33	96	41	0.36
28	EL28A12	150080	37	101	43	0.46
30	EL30A12	150090	37	121	53	0.51
32	EL32A12	150100	42	107	46	0.61
34	EL34A12	150110	41	128	56	0.64
36	EL36A12	150120	46	121	53	0.78
38	EL38A12	150130	52	124	54	1.19
40	EL40A12	150140	52	131	58	1.13
43	EL43A12	150150	58	155	68	1.86
50	EL50A12	150160	64	163	71	2.00
57	EL57A12	150170	75	189	84	3.39

*Use hex material (measured across the flats), others use round material

The LENTON® system is available in several styles to meet virtually any design need. Applications include standard bar-to-bar connections, precaging applications, hooked bar applications, closure pours, precast connections, rebar terminations and anchorages, transition splices, segmental construction and connections to structural steel.

LENTON Splices:

- Provide structural integrity and continuity
- Develop splice strength independent of concrete quality
- Provide ductility independent of concrete condition
- Offer strength during man-made, seismic or other natural events
- Offer superior cyclic performance

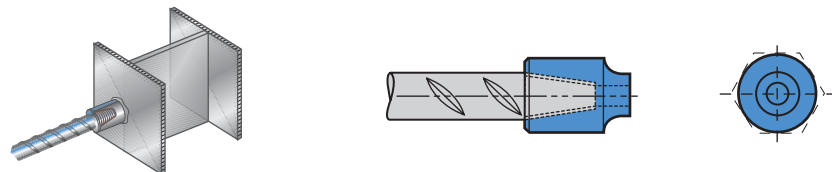
LENTON Position Couplers

LENTON P14 position couplers splice two curved, bent or straight bars when neither bar can be rotated and where the on-going bar is free to move in its axial direction. A typical application for position couplers is splicing pile cages. The P14 position couplers can be supplied in two pieces for application against form work. The female parallel thread is corrosion protected and is provided with a plastic screw-in protection cap.



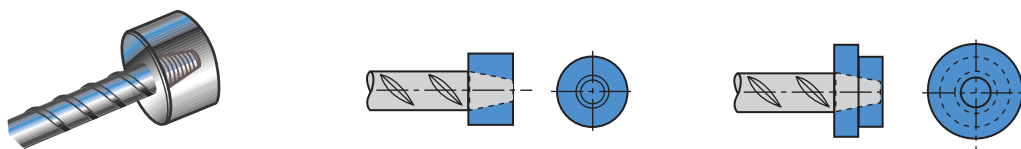
LENTON Weldable Couplers

LENTON weldable couplers provide a quick and easy solution for connecting reinforcing bar to structural steel sections or plates. Similar to the standard coupler, the weldable coupler is internally taper threaded on one end with the other end prepared for welding. These couplers are machined from weldable grades of materials such as A.I.S.I. 1018, 1030, 1035 or St 52.5, depending on rebar size. The couplers are usually arc welded to the structural steel in a fabricating shop. The design of the weld, the selection of electrode and other relevant choices depend on the chemical and physical properties of the structural steel to which the couplers are welded.



LENTON® TERMINATOR

LENTON TERMINATOR provides an alternative to hooked rebar or an anchor or stop nut for rebar passing through a pile plank or structural steel element. The front face of the coupler is generously designed to carry the full tension load of the rebar when the anchor is bearing against concrete or structural steel.



Please contact ERICO for available coupler sizes.

Recognized product approvals:

Austria: MA35 MA35B/B 558/99 Czechia: 01-329 France: AFCAB M97 / 01 Germany: Z-1.5-148 Hong Kong: Hong Kong Building Dept.
Hungary: EMI A-2165-2002 Sweden: SITAC 5573 / 93 Switzerland: EMPA / EPFL / SIA 162 The Netherlands: Komo/Kiwa K7045
Poland: ITB AT-15-4313/2002 Slovakia: A9.6/01/0248/O/O04 United Kingdom: Cares TA1-c-K5003 United States: ICBO® 3967

WARNING

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

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