

Rigid and intermediate metal conduit fittings

Threaded (ERICKSON®) couplings for threaded rigid metal conduit and intermediate metal conduit



—
674 Series
675AL Series

Application

- To couple and effectively bond threaded ends of rigid metal conduit/intermediate metal conduit where neither length of conduit can be rotated

Features

- Malleable Iron/steel/copper-free aluminum construction
- Free-fitting threads ensure easy assembly
- Permits conduit coupling without rotating either conduit
- Provides rigid in-line coupling with high quality grounding; will not loosen under vibration
- Suitable for concrete-tight application.
- Capable of carrying ground fault currents up to 10,000 amps RMS (½ in. through 1½ in. size) and up to 20,000 amps RMS (2 in. and above) (duration of fault current 3 cycles) (674 series tested)

Standard material

674 Series

- Bushing and body: malleable iron
- Ring: steel up to 2 in. or malleable iron

675AL Series

- Bushing and body: aluminum
- Ring: aluminum

Standard finish

- 674 Series: Electro zinc plated and chromate coated
- 675AL Series: Degreased

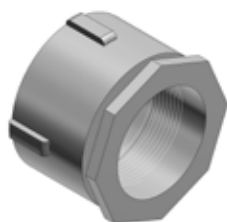
Range

- 674 Series: ⅜ in. through 6 in. conduit
- 675AL Series: ½ in. through 6 in. conduit
- All straight pipe threads (NPS)

Conformity

- UL 514B
- CSA C22.2 No. 18.3
- NEMA FB1
- ANSI C80.4
- NFPA 70-2008 (ANSI)
- Federal Specification W-F-408
- Federal Standard H-28 (Threads)

With an ERICKSON coupling, a conduit run may be completed when neither conduit can be turned. A conduit run may also be broken without taking down the whole run. Conduit joined with ERICKSON couplings is rigid and in line, and vibration will not loosen the connections.



ERICKSON couplings



Diagram	Cat. no.		Dimensions (in.)		
	Mal. iron	Alum.*	Size (in.)	A	B
	674	—	⅜	1 ⅛	1 ⅛
	675	675AL	½	1 15/32	1 ¼
	676	676AL	¾	1 9/16	1 13/32
	677	677AL	1	1 29/32	1 5/8
	678	678AL	1 ¼	2 3/8	1 13/16
	679	679AL	1 ½	2 5/8	1 31/32
	680-TB	680AL	2	3 7/32	2 7/32
	681	681AL	2 ½	3 3/32	2 11/16
	682	682AL	3	4 7/16	2 29/32
	683	683AL	3 ½	5	3
	684	684AL	4	5 ½	3 3/16
	685	685AL†	4 ½	6 ¼	3 15/32
	686	686AL	5	6 25/32	3 ¾
	687	687AL	6	8	4 1/32

* Copper-free aluminum (less than 0.4% copper)

UL Listed and CSA Certified concrete-tight

† Not CSA Certified