TECHNICAL DATA SHEET

Rigid Steel Conduit Coupling

Zinc plated

ELECMAN® Rigid Steel Conduit Coupling is a internally threaded steel cylinder for joining together the components of an RSC system.

Material:

Carbon steel

Type:

Conventional UL certified

Surface Finish:

Zinc plated

Electro galvanizing after the RSC coupling is threaded.

Zinc coating:

For both of the exterior surface and interior surface, the zinc coating thickness is about 8 - 12μm.

Certification & Standard

Certification:

Manufactured to Underwriters Laboratory Safety Standards UL 6

UL File No.: E499650

c UL us LISTED

Standard:

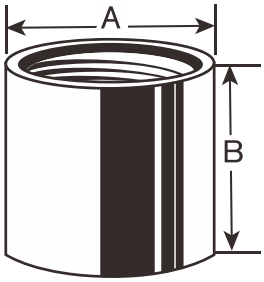
Manufactured in accordance with ANSI C80.1

Thread and Chamfer:

1. The standard of the threads is NPT.
2. All threads on the conduit will be covered when the coupling is made up "wrench tight" on conduit threads.
3. The number of threads per inch (threads per 25.4 mm), and the length of the threaded portion at each end of each length of conduit is as indicated in Table 1, and conform to ANSI/ASME B1.20.1. The thread is tapered for its entire length, and the taper is about 1 in 16.
3. Both ends of the couplings are chamfered to prevent damage to the starting thread.

Dimensions:

The outside diameter, length, pitch diameter, and chamfer diameter of couplings shall be as indicated in Table 1.



Tabel 1 - Dimensions of RSC Conduit Couplings

Catalog Number	Trade Size		Outside Diameter [1] (A)	Minimum Length (B)	Pitch Diameter		Chamfer Diameter	
	in.	mm	mm	mm	Min (mm)	Max (mm)	Min (mm)	Max (mm)
IRC050	1/2"	16	25.7	41.3	20.35	20.68	21.9	22.1
IRC075	3/4"	21	31.8	41.7	25.68	26.01	27.2	27.4
IRC100	1"	27	38.7	50.0	32.18	32.59	34.1	34.4
IRC125	1 1/4"	35	47.5	51.6	40.94	41.35	42.8	43.1
IRC150	1 1/2"	41	54.7	52.4	47.04	47.45	48.9	49.2
IRC200	2"	53	67.3	54.0	59.11	59.51	61.0	61.3
IRC250	2 1/2"	63	82.6	81.0	71.27	71.83	76.5	76.9
IRC300	3"	78	98.3	84.1	87.15	87.71	94.5	94.9
IRC350	3 1/2"	91	114.3	86.5	99.85	100.40	109.0	109.4
IRC400	4"	103	123.8	89.3	112.60	113.10	120.0	120.4
IRC500	5"	129	152.4	100.0	139.60	140.10	140.2	141.7
IRC600	6"	155	182.9	108.0	166.50	167.10	167.4	168.9

1. Outside diameter tolerances:
Plus tolerances: no requirements
Minus tolerances: for trade sizes smaller than 1-1/4 (35): -1/64 in. (-0.40 mm)
for trade sizes 1-1/4 (35) and larger: -1%
2. Chamfer angle shall be between 11 and 15 degrees.
3. All couplings shall have straight-tapped threads.

ELECMAN® ELECTRICAL SYSTEM
| HEFEI ELECMAN ELECTRICAL CO.,LTD.
| No.2310, Tower D, Weilan business port, Government district, Hefei city, 230000, China.
| www.china-elecman.com

TECHNICAL DATA SHEET

Rigid Steel Conduit Coupling

Hot dipped galvanized & Zinc plated

ELECMAN® Rigid Steel Conduit Coupling is a internally threaded steel cylinder for joining together the components of an RSC system.

Material:

Carbon steel

Type:

High corrosion resistance / UL certified

Surface Finish:

Step 1: Hot-dip galvanized
Hot dip galvanizing before threading the RSC coupling.

Step 2: Zinc plated
Electro galvanizing after the RSC coupling is threaded.

Zinc coating:

1.The zinc coating thickness of exterior surface is about 60μm.
2.The zinc coating thickness of interior surface is about 8 - 12μm.

Certification & Standard

Certification:
Manufactured to Underwriters Laboratory Safety Standards UL 6
UL File No.: E499650

c UL us LISTED

Standard:
Manufactured in accordance with ANSI C80.1

Thread and Chamfer:

1. The standard of the threads is NPT.
2. All threads on the conduit will be covered when the coupling is made up "wrench tight" on conduit threads.
3. The number of threads per inch (threads per 25.4 mm), and the length of the threaded portion at each end of each length of conduit is as indicated in Table 1, and conform to ANSI/ASME B1.20.1. The thread is tapered for its entire length, and the taper is about 1 in 16.
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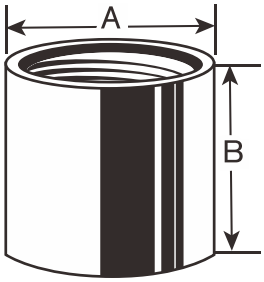

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