

# Intermediate Metal Conduit Coupling

Zinc plated

ELECMAN® Intermediate Metal 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 IMC coupling is threaded.

**Zinc coating:**

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

**Certification & Standard**

**Certification:**

Manufactured to Underwriters Laboratory Safety Standards UL 1242  
UL File No.: E542214



**Standard:**

Manufactured in accordance with ANSI C80.6

**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.

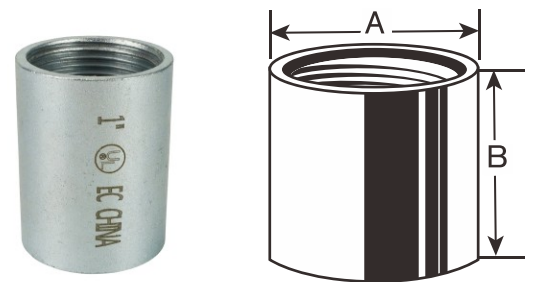


Table 1 - Dimensions of IMC Conduit Couplings

Catalog Number	Trade Size		Outside Diameter <sup>1</sup> (A)	Minimum Length (B)	Pitch Diameter		Chamfer Diameter	
	in.	mm			mm	mm	Min (mm)	Max (mm)
MRC050	1/2"	16	25.7	41.3	20.35	20.68	21.9	22.1
MRC075	3/4"	21	31.8	41.7	25.68	26.01	27.2	27.4
MRC100	1"	27	38.7	50	32.18	32.59	34.1	34.4
MRC125	1 1/4"	35	47.5	51.6	40.94	41.35	42.8	43.1
MRC150	1 1/2"	41	54.7	52.4	47.04	47.45	48.9	49.2
MRC200	2"	53	67.3	54	59.11	59.51	61	61.3
MRC250	2 1/2"	63	82.6	81	71.27	71.83	76.5	76.9
MRC300	3"	78	98.3	84.1	87.15	87.71	94.5	94.9
MRC350	3 1/2"	91	114.3	86.5	99.85	100.4	109	109.4
MRC400	4"	103	123.8	89.3	112.6	113.1	120	120.4

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.