

**Conduit is used to protect and support electrical wires.**

**Both rigid conduit and intermediate metallic conduit are threaded and accept couplings, nuts, and bushings et cetera directly.**

**RIGID CONDUIT AND KNOCKOUT SIZES**

ALL SIZES ARE INCHES		INSIDE DIAMETER (ID)	OUTSIDE DIAMETER (OD)		KNOCKOUT SIZE
TRADE SIZE	THREADS PER INCH	NOMINAL (1)	NOMINAL	MAXIMUM (2)	NOMINAL (3)
1/4	18	.364	.540	-	.575
3/8	18	.493	.675	-	.718
1/2	14	.632	.840	.855	.875
3/4	14	.836	1.050	1.066	1.109
1	11-1/2	1.063	1.315	1.331	1.375
1-1/4	11-1/2	1.394	1.660	1.676	1.734
1-1/2	11-1/2	1.624	1.900	1.916	1.984
2	11-1/2	2.083	2.375	2.399	2.469
2-1/2	8	2.489	2.875	2.904	2.969
3	8	3.090	3.500	3.535	3.594
3-1/2	8	3.570	4.000	4.040	4.123
4	8	4.050	4.500	4.545	4.641
4-1/2	8	4.506	5.000	5.050	5.109
5	8	5.073	5.563	5.619	5.719
6	8	6.093	6.625	6.691	6.813

(1)U.L. Table NAE.3.

(2)Maximum Outside Diameter Per ANSI C80.1-1977.

(3)Dimensions for trade sizes of 1/4 through 1-1/4 are from Table 20.2 of ANSI/UL 514-1978.  
Sizes 1/2 " thru 6" per proposed revision to NEMA Engineering Bulletin No. 71, Aug. 1976.

4

8

4.206

4.466

4.476

U.L. Proposed Dimensions for Intermediate Metallic Conduit - Type I.  
 IMC Threads and Knockout Sizes are the same as Rigid Metal Conduit.  
 Standard rigid threaded conduit fittings can be used with I.M.C.

**Electrical metallic tubing is not threaded, and must be connected to junction boxes and the like with conduit connectors that secure to the tubing by means of a set screw or collet and nut; then the connectors have integrated shoulders and threads that secure to the box with a nut.**

#### ELECTRICAL METALLIC TUBING (EMT)

ALL SIZES ARE INCHES TRADE SIZE	INSIDE DIAMETER (ID)	WALL THICKNESS	OUTSIDE DIAMETER (OD)	
	NOMINAL	NOMINAL	NOMINAL	TOLERANCE
3/8	.493	.042	.577	+/- .005
1/2	.622	.042	.706	+/- .005
3/4	.824	.049	.922	+/- .005
1	1.049	.057	1.163	+/- .005
1-1/4	1.380	.065	1.510	+/- .005
1-1/2	1.610	.065	1.740	+/- .005
2	2.067	.065	2.197	+/- .005
* 2-1/2	2.731	.072	* 2.875	+/- .010
* 3	3.356	.072	* 3.500	+/- .015
* 3-1/2	3.834	.083	* 4.000	+/- .020
* 4	4.334	.083	* 4.500	+/- .020

\*These sizes of EMT have the same nominal outside diameter as the corresponding size rigid conduit.  
 EMT is sometimes called "thin-wall conduit".

Electrical metallic tubing is not threaded, and must be connected to junction boxes and the like with conduit connectors that secure to the tubing by means of a set screw or collet and nut; then the connectors have integrated shoulders and threads that secure to the box with a nut.

	<b>5</b>	<b>6.350</b>	<b>.975</b>
	<b>6</b>	<b>7.475</b>	<b>.975</b>

**INTERMEDIATE METALLIC CONDUIT (IMC)**

ALL SIZES ARE INCHES		INSIDE DIAMETER (ID)	OUTSIDE DIAMETER (OD)	
TRADE SIZE	THREADS PER INCH	NOMINAL	NOMINAL	MAXIMUM
<b>1/2</b>	14	<b>.675</b>	<b>.815</b>	<b>.820</b>
<b>3/4</b>	14	<b>.879</b>	<b>1.029</b>	<b>1.034</b>
<b>1</b>	11-1/2	<b>1.120</b>	<b>1.290</b>	<b>1.295</b>
<b>1-1/4</b>	11-1/2	<b>1.468</b>	<b>1.638</b>	<b>1.645</b>
<b>1-1/2</b>	11-1/2	<b>1.703</b>	<b>1.883</b>	<b>1.890</b>
<b>2</b>	11-1/2	<b>2.170</b>	<b>2.360</b>	<b>2.367</b>
<b>2-1/2</b>	8	<b>2.597</b>	<b>2.857</b>	<b>2.867</b>
<b>3</b>	8	<b>3.216</b>	<b>3.476</b>	<b>3.486</b>
<b>3-1/2</b>	8	<b>3.711</b>	<b>3.971</b>	<b>3.981</b>
<b>4</b>	8	<b>4.206</b>	<b>4.466</b>	<b>4.476</b>

U.L. Proposed Dimensions for Intermediate Metallic Conduit - Type I.  
 IMC Threads and Knockout Sizes are the same as Rigid Metal Conduit.  
 Standard rigid threaded conduit fittings can be used with I.M.C.

All sizes/measurements are to be checked against your local current code- HNA