

Republic Conduit

Spec Submittal Sheet

Rigid Metal Conduit – Aluminum

Republic Conduit’s Rigid Aluminum Conduit presents a lightweight, equally durable alternative to Galvite® Rigid Metal Conduit. Rigid Aluminum Conduit (RAC) also excels in applications where extra corrosion resistance and/or non-sparking/non-magnetic qualities are required.

All Republic Conduit Rigid Aluminum Conduit is manufactured in the United States.

Specifications

Architects desiring to specify Rigid Metal Conduit - Aluminum should include the following description:

Electrical conductors shall be enclosed in Republic Conduit Rigid Metal Conduit - Aluminum in accordance with the National Electrical Code (NEC). Rigid Metal Conduit – Aluminum shall be 6063 Aluminum, manufactured and produced to the following specifications:

- UL Standard for Electrical Rigid Metal Conduit - Aluminum, UL 6A, File # E337297
- ANSI Electrical Rigid Aluminum Conduit (ERAC) C80.5
- National Electric Code, Article 344

RAC (Rigid Metal Conduit - Aluminum)											
Trade Size Designator		Nominal Outside Diameter (OD)		Nominal Wall		Feet/ Bundle	Bundles/ Lift	Standard Lift			
US	Metric	in	mm	in	mm			Feet	m	Lbs	kg
1/2"	16	0.840	21.3	0.104	2.64	50	50	2,500	762.0	703	318.9
3/4"	21	1.050	26.7	0.107	2.72	50	50	2,500	762.0	935	424.1
1"	27	1.315	33.4	0.126	3.20	50	40	2,000	609.6	1,090	494.4
1 1/4"	35	1.660	42.2	0.133	3.38	50	20	1,000	304.8	716	324.8
1 1/2"	41	1.900	48.3	0.138	3.51	50	20	1,000	304.8	887	402.3
2"	53	2.375	60.3	0.146	3.71	50	9	450	137.2	533	241.8
2 1/2"	63	2.875	73.0	0.193	4.90			300	91.4	562	254.9
3"	78	3.500	88.9	0.205	5.21			200	61.0	492	223.2
3 1/2"	91	4.000	101.6	0.215	5.46			200	61.0	591	268.1
4"	103	4.500	114.3	0.225	5.72			200	61.0	700	317.5
5"	129	5.563	141.3	0.245	6.22			80	24.4	383	173.7
6"	155	6.625	168.3	0.266	6.76			60	18.3	378	171.5

- The values in feet / pound units are standard. The metric equivalents may be approximate. Conduit is always identified by its English or Metric Trade Size Designator.
- All dimensions and weights shown above are nominal.
- All sizes furnished in nominal 10' lengths when supplied with coupling. Applicable length tolerance = ±1/4" (±6.35mm) without a coupling.