



SPEC SUBMITTAL SHEET

Rigid Aluminum Conduit

Penn Aluminum Rigid Aluminum Conduit (RAC) offers a durable, lightweight alternative to galvanized rigid steel conduit. Penn Aluminum RAC offers numerous benefits, including overall project cost savings and enhanced safety due to its lighter weight, reduced labor and non-corrosiveness.

All Penn Aluminum Conduit & EMT products are extruded and finished in our Murphysboro, Illinois, production facility using U.S. domestic recycled Aluminum billet, making them fully sustainable products.

Specification Data:

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

Electrical conductors shall be enclosed in Penn Aluminum 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 # E514709
- ANSI Electrical Rigid Conduit (ERAC) C80.5
- National Electrical Code, Article 344

Penn Part Number	US Trade Size	Approximate Weight per 100 feet w/ coupling (lb.)	Nominal Outside Diameter* (in.)	Nominal Inside Diameter** (in.)	Nominal Wall Thickness** (in.)	Threads/ Inch	Finished Length without Coupling*** (+/- .25 in.)	Master Bundle (Lift)		
								(ft.)	(pcs.)	(lb.)
P-012-10-RAC	1/2	28.1	0.840	0.632	0.104	14	9' 11-1/4"	2,500	250	703
P-034-10-RAC	3/4	37.4	1.050	0.836	0.107	14	9' 11-1/4"	2,500	250	935
P-100-10-RAC	1	54.5	1.315	1.063	0.126	11-1/2	9' 11"	2,000	200	1,090
P-114-10-RAC	1-1/4	71.6	1.660	1.394	0.133	11-1/2	9' 11"	1,000	100	716
P-112-10-RAC	1-1/2	88.7	1.900	1.624	0.138	11-1/2	9' 11"	1,000	100	887
P-200-10-RAC	2	118.5	2.375	2.083	0.146	11-1/2	9' 11"	450	45	533
P-212-10-RAC	2-1/2	187.5	2.875	2.489	0.193	8	9' 10-1/2"	300	30	562
P-300-10-RAC	3	246.3	3.500	3.090	0.205	8	9' 10-1/2"	200	20	492
P-312-10-RAC	3-1/2	295.6	4.000	3.570	0.215	8	9' 10-1/4"	200	20	591
P-400-10-RAC	4	350.2	4.500	4.050	0.225	8	9' 10-1/4"	200	20	700
P-500-10-RAC	5	478.9	5.563	5.073	0.245	8	9' 10"	80	8	383
P-600-10-RAC	6	630.4	6.625	6.093	0.266	8	9' 10"	60	6	378

* Applicable Tolerances - Outside Diameter 1/2" to 1-1/2": +/- 0.015"; 2" to 6": +/- 1%.
 ** For information only. Not a standards requirement.
 *** Rigid Aluminum Conduit is manufactured to produce a 10' length of conduit when a standard coupling is attached.

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