

RepublicConduit

Aluminum Rigid Conduit

Simplify Installation, Save Time, Spend Less

Aluminum Rigid Conduit from Republic Conduit™ is best suited for applications requiring light weight, non-magnetic products, or for installations requiring highly corrosion-resistant products. Republic's Aluminum Rigid Conduit is manufactured from 6063 aluminum alloy, T-1 temper (former designation T-42), with tight material standards that exceed the industry requirement for 6063. This product meets all National Electric Code (NEC) – Article 500 Hazardous Area requirements.

Features and Benefits

Consistent Quality – Republic's Aluminum Rigid Conduit is light weight, corrosion-resistant, non-toxic and non-combustible pipe, ideal for jobs in a tough environment. While it is specifically manufactured to be non-sparking and non-magnetic, it also reduces the amount of power lost during a voltage drop.

Lower Life-Cycle Costs – the conduit resists cracking, flaking, peeling, and damage from impact and fire. Its physical and mechanical properties ensure that the pipe has an extended shelf life, great for usage or storage without degradation in quality.

System Grounding and Electromagnetic Interference Shielding – our Aluminum Rigid Conduit not only protects people from the harmful effects of faulty wiring, but also protects any nearby electric / electronic equipment from being damaged by the electromagnetic fields.

Trade sizes range from 1/2" to 6".

Conduit is manufactured in the U.S.

Available Sizes

Republic's Aluminum Rigid Conduit is provided with a color coded thread protector on one end and a coupling on the other, so you can find the right tube for the job quickly and easily.

Inventories of our products are maintained by leading electrical distributors throughout North America. Contact our Agent in your area today or visit www.republicconduit.com for more information.



Weights and Dimensions**

Trade Size Designator		Outside Diameter (OD)*		Nominal Inside Diameter (ID)*		Acceptable Length of Finished Conduit Without Coupling			Nominal Weight per 100 Feet		Feet per Bundle	Standard Lifts				Threads per Inch	Thread Protectors Color
US	Metric	IN	mm	IN	mm	ft	IN (±1/4")	mm (±6 mm)	LBS	kg		Length		Weight			
												FEET	m	LBS	kg		
1/2	16	0.840	21.34	0.622	15.80	9	11 1/4	3030	28.1	12.75	100	2500	762	703	319	14	Black
3/4	21	1.050	26.67	0.824	20.93	9	11 1/4	3030	37.4	16.96	100	2500	762	935	424	14	Red
1	27	1.315	33.40	1.049	26.64	9	11	3025	54.5	24.72	100	2000	610	1090	494	11 1/2	Blue
1 1/4	35	1.660	42.16	1.380	35.05	9	11	3025	71.6	32.48	50	1000	305	716	325	11 1/2	Red
1 1/2	41	1.900	48.26	1.610	40.89	9	11	3025	88.7	40.23	50	1000	305	887	402	11 1/2	Black
2	53	2.375	60.33	2.067	52.50	9	11	3025	118.5	53.75	50	450	137	533	242	11 1/2	Blue
2 1/2	63	2.875	73.03	2.469	62.71	9	10 1/2	3010	187.5	85.05		300	91	562	255	8	Black
3	78	3.500	88.90	3.068	77.93	9	10 1/2	3010	246.3	111.72		200	61	492	223	8	Blue
3 1/2	91	4.000	101.60	3.548	90.12	9	10 1/4	3005	295.6	134.08		200	61	591	268	8	Black
4	103	4.500	114.30	4.026	102.26	9	10 1/4	3005	350.2	158.85		200	61	700	318	8	Blue
5	129	5.563	141.30	5.047	128.19	9	10	2995	478.9	217.23		80	24	383	174	8	Blue
6	155	6.625	168.28	6.065	154.05	9	10	2995	630.4	285.95		60	18	378	172	8	Blue

*For information only. Not a Standards requirement.

Specifications

- Underwriters Laboratories (UL) Standard for Electrical Rigid Metal Conduit – Aluminum Bronze & Stainless Steel, UL 6A
- Federal Specification WW-C-540c
- American National Standard Institute C80.5
- National Electric Code (2002) Section 250.118(2) recognizes Rigid Metal Conduit as an equipment grounding conductor

For more information, visit www.republicconduit.com.



**All orders are subject to Republic Conduit's Terms and Conditions, a copy of which is available upon request.

www.republicconduit.com

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