

Aluminum Rigid Metal Conduit (RMC), Elbows and Couplings

Aluminum Rigid Metal Conduit, Elbows and Couplings

- Aluminum Rigid Metal Conduit is light weight and is approximately one-third the weight of steel.
- Corrosion Resistant aluminum resists most corrosive atmospheres in industrial environments
- Easy to Install. No special tools needed to cut, bend or thread
- Low Maintenance. Doesn't leave discoloring streaks or stains
- Stock couplings and elbows in 45° and 90°

FEATURES & SPECIFICATIONS

Codes & Standards Compliance

Alloy

Allied Rigid Aluminum Conduits and Fittings are all manufactured of 6063 alloy in temper designation T-1 to ensure maximum performance in electrical installations.



Standards

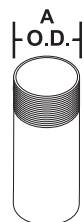
Allied Rigid Aluminum Conduit is listed by Underwriters' Laboratories to UL 6A, "Standard for Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel" and is manufactured to ANSI C80.5 (Replaces Federal specification WWC- 540C).

Thread Protectors

Color-Coded end caps keep threads clean and sharp and help provide trade size recognition. Even sizes are blue; 1/2 trade sizes are black; and 1/4 trade sizes are red.

Aluminum Rigid Metal Conduit (RMC) Weights and Dimensions

Trade Size	Metric Designator	Approx. Wt. Per 100 Ft.		Outside Diameter ¹ (A)		Nominal Wall Thickness		Quantity In Master Bundle*	
		lb.	kg.	in.	mm.	in.	mm.	ft.	m.
1/2	16	28.1	12.7	0.840	21.3	.104	2.64	2500	762.5
3/4	21	37.4	17.0	1.050	26.7	.107	2.72	2500	762.5
1	27	54.5	24.7	1.315	33.4	.126	3.20	2000	610.0
1-1/4	35	71.6	32.5	1.660	42.2	.133	3.38	1000	304.8
1-1/2	241	88.7	40.2	1.900	48.3	.138	3.51	1000	304.8
2	53	118.5	53.8	2.375	60.3	.146	3.71	450	137.2
2-1/2	63	187.5	85.0	2.875	73.0	.193	4.90	300	91.5
3	78	246.3	111.7	3.500	88.9	.205	5.21	200	61.0
3-1/2	91	295.6	134.1	4.000	101.6	.215	5.46	200	61.0
4	103	350.2	155.8	4.500	114.3	.225	5.72	200	61.0
5	129	478.9	217.2	5.563	141.3	.245	6.22	80	23.4
6	155	630.4	285.9	6.625	168.3	.266	6.76	60	18.3



NOTE: ¹Tolerances: 1/2 to 1-1/2 trade sizes +/- 0.15 in. 2 to 6 trade sizes +/- 1%

*Each length of conduit with coupling attached will be nominally 10 feet

Project Information

Company Name: _____

Address: _____

City: _____

State & Zip: _____

Phone: _____

Project Name: _____

City: _____

State: _____

NOTE: Special orders are non-cancelable, non-returnable and non-refundable.

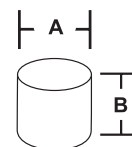
Aluminum • Rigid Metal Elbows and Couplings

Allied Tube & Conduit®, the leading manufacturer of steel conduit and tubing, also offers a broad line of rigid aluminum conduit, elbows and couplings. Allied aluminum rigid conduit combines light weight and corrosion resistance to provide a full-line of easy to install, low maintenance conduit whenever specifications call for aluminum. The complementary line of aluminum accessories ensures end to end system installation.

Weights and Dimensions

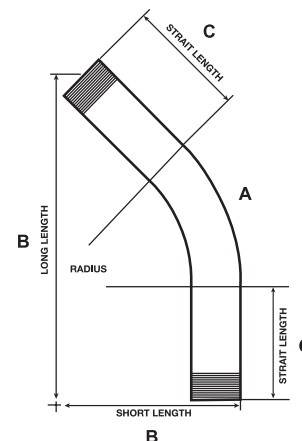
Aluminum Couplings

Trade Size	Metric Designator	Approx. Wt. Per 100 Pieces		Nominal Outside Diameter (A)		Minimum Acceptable Length (B)		Standard Package
		lb.	kg.	in.	mm.	in.	mm.	
1/2	16	6.1	2.8	1.08	27.4	1-5/8	41.3	100
3/4	21	9.1	4.1	1.33	33.8	1-41/64	41.7	50
1	27	12.5	5.7	1.56	39.6	1-31/32	50.0	30
1-1/4	35	18.9	8.6	1.95	49.6	2-1/32	51.6	25
1-1/2	41	23.3	10.6	2.22	56.4	2-1/16	52.4	25
2	53	34.6	15.7	2.75	69.8	2-1/8	54.0	15
2-1/2	63	68.3	31.0	3.28	83.3	3-3/16	81.0	20
3	78	91.4	41.5	3.94	96.8	3-5/16	84.1	15
3-1/2	91	108.0	49.0	4.44	112.8	3-13/32	86.5	12
4	103	142.0	64.4	5.00	127.0	3-33/64	89.3	12
5	129	241.9	109.7	6.30	158.0	3-61/64	100.4	8
6	155	321.0	145.6	7.39	185.7	4-1/4	108.0	6



Aluminum 45° Elbows

Trade Size	Metric Designator	Approx. Wt. Per 100 Pieces		Nominal Dimensions							
		lb.	kg.	Radius (A)		Long Length (B)		Short Length (B)		Length Straight (C)	
				in.	mm.	in.	mm.	in.	mm.	in.	mm.
1/2	16	22	10	4.00	102	8.25	210	4.00	102	1.19	30.23
3/4	21	33	15	4.50	114	9.25	235	4.25	108	1.19	30.23
1	27	56	25	5.75	146	11.00	279	5.00	127	1.50	38.10
1-1/4	35	87	39	7.25	184	12.75	324	6.00	152	1.50	38.10
1-1/2	41	124	56	8.25	210	14.50	368	7.00	178	1.75	44.45
2	53	197	89	9.50	241	18.00	457	8.00	203	1.75	44.45



Aluminum 90° Elbows

Trade Size	Metric Designator	Approx. Wt. Per 100 Pieces		Nominal Dimensions					
		lb.	kg.	Radius (A)		Long Length (B)		Length Straight (C)	
				in.	mm.	in.	mm.	in.	mm.
1/2	16	25	11	4	102	6.25	159	1.50	38.1
3/4	21	38	17	4.5	114	7.50	191	1.50	38.1
1	27	64	29	5.75	146	8.50	216	1.88	47.6
1-1/4	35	100	45	7.25	184	10.75	273	2.00	50.8
1-1/2	41	143	65	8.25	210	12.00	305	2.00	50.8
2	53	227	103	9.5	241	14.00	356	2.00	50.8
2-1/2	63	403	183	10.5	267	15.75	400	3.00	76.2
3	78	643	292	13	330	18.00	457	3.13	79.4
3-1/2	91	869	394	15	381	21.00	533	3.25	82.6
4	103	1127	511	16	406	22.50	572	3.38	85.7
5	129	2208	1002	24	610	35.00	889	3.63	95.1
6	155	3462	1570	30	762	42.00	1067	3.75	95.3

