

Rigid Aluminum Conduit

Submittal Sheet



Wheatland Tube's rigid aluminum conduit is a lightweight wiring solution for industrial, corrosive and explosive environments. Made from a marine-grade alloy, Wheatland Tube's RAC provides extra protection to cables and conductors against sparking, magnetism and rust. Plus, it's easy to cut, bend and thread on the job, saving you time and money on installation. Wheatland Tube's RAC is available in 10' and 15' lengths and trade sizes ½-6.

Listing

Wheatland Tube's rigid aluminum conduit is UL® Listed to UL-6A and CSA certified to CSA C22.2, No. 45.2. It is manufactured in accordance with ANSI® C80.5 and federal specification WW-C-54-c.



Locations

Wheatland Tube's rigid aluminum conduit provides lightweight, nonmagnetic wiring solutions for dry, wet, exposed, concealed or hazardous locations that comply with the National Electrical Code® (NEC).

Testing

Wheatland Tube's rigid aluminum conduit is regularly tested for weld strength, bendability and consistency of all dimensions.

Threading


Wheatland Tube's rigid aluminum conduit is threaded on both ends. Each piece includes a coupling on one end and a color-coded thread protector on the other.

SUBMITTAL INFORMATION

PROJECT: _____ CONTRACTOR: _____ DATE: _____

ENGINEER: _____ SPECIFICATION REFERENCE: _____ SYSTEM TYPE: _____

LOCATIONS: _____ COMMENTS: _____

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RIGID ALUMINUM CONDUIT WEIGHTS AND DIMENSIONS

TRADE SIZE	THREADS/INCH	ACCEPTABLE LENGTH* OF FINISHED CONDUIT WITHOUT COUPLING		WEIGHT OF 10 UNIT LENGTHS WITH COUPLINGS	NOMINAL OUTSIDE DIAMETER**		NOMINAL INSIDE DIAMETER***		NOMINAL WALL THICKNESS***	
		ft.	+/- 0.25 in.	lbs.	in.	mm	in.	mm	in.	mm
½	14	9	11¼	28.1	0.840	21.34	0.632	16.05	0.104	2.64
¾	14	9	11¼	37.4	1.050	26.67	0.836	21.23	0.107	2.72
1	11½	9	11	54.5	1.315	33.40	1.063	27.00	0.126	3.20
1¼	11½	9	11	71.6	1.660	42.16	1.394	35.41	0.133	3.38
1½	11½	9	11	88.7	1.900	48.26	1.624	41.25	0.138	3.51
2	11½	9	11	118.5	2.375	60.33	2.083	52.91	0.146	3.71
2½	8	9	10½	187.5	2.875	73.03	2.489	63.22	0.193	4.90
3	8	9	10½	246.3	3.500	88.90	3.090	78.49	0.205	5.21
3½	8	9	10¼	295.6	4.000	101.60	3.570	90.68	0.215	5.46
4	8	9	10¼	350.2	4.500	114.30	4.050	102.87	0.225	5.72
5	8	9	10	478.9	5.563	141.30	5.073	128.85	0.245	6.22
6	8	9	10	630.4	6.625	168.28	6.093	154.76	0.266	6.76

* Rigid aluminum conduit is manufactured to produce a 10' (3.05 m) length of conduit when a standard coupling is attached.

** Applicable tolerances: Outside diameter ½-1½: ± 0.015" (16-41: ± 0.38 mm), 2-6 (53-155): ± 1%".

*** For information only; not a standards requirement.

RIGID ALUMINUM CONDUIT PACKAGING

TRADE SIZE	THREAD PROTECTOR COLOR	QUANTITY/BUNDLE		QUANTITY/LIFT		WEIGHT/LIFT	
		ft.	Pieces	Bundles	ft.	lbs.	
½	Black	100	—	25	2500	703	
¾	Red	100	—	25	2500	935	
1	Blue	100	—	20	2000	1090	
1¼	Red	—	100	—	1000	716	
1½	Black	—	100	—	1000	887	
2	Blue	—	45	—	450	533	
2½	Black	—	30	—	300	563	
3	Blue	—	20	—	200	493	
3½	Black	—	20	—	200	591	
4	Blue	—	20	—	200	700	
5	Blue	—	8	—	80	383	
6	Blue	—	6	—	60	378	

A formal industry packaging standard for aluminum conduit does not exist.

WEL-060520



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