

Georgia Institute of Technology, Atlanta, GA undertook the research and in 1994 published their findings in a report that updated the grounding data developed by Eustace Soares, some 40 years earlier, and answered the questions of compliance with NEC® Article 250.

- “Modeling and Testing of Steel EMT, IMC, and Rigid (GRC) Conduit” Study, Part I.

- Part II, Contains Appendices of Test Results.

You can download or view the study at, www.steelconduit.org

Hot-Dip Galvanized

Rigid Metal Conduit - Steel (RMC)

Weights and Dimensions

Trade Size	Metric Designator	Threads Per Inch	Acceptable Length of Finished Conduit without Coupling			Weight 10 Unit Lengths with Couplings		Nominal Outside Diameter*		Nominal Inside Diameter*		Nominal Wall Thickness*	
			ft.	(+/- 1/4 in.) in.	(+/- 6 mm) mm	lb	kg	in.	mm	in.	mm	in.	mm
½	16	14	9	11¼	3030	82	37.20	0.840	21.34	0.632	16.05	.104	2.64
¾	21	14	9	11¼	3030	109	49.44	1.050	26.67	0.836	21.23	.107	2.72
1	27	11½	9	11	3025	161	73.03	1.315	33.40	1.063	27.00	.126	3.20
1¼	35	11½	9	11	3025	218	98.88	1.660	42.16	1.394	35.41	.133	3.38
1½	41	11½	9	11	3025	263	119.30	1.900	48.26	1.624	41.25	.138	3.51
2	53	11½	9	11	3025	350	158.76	2.375	60.33	2.083	52.91	.146	3.71
2½	63	8	9	10½	3010	559	253.56	2.875	73.03	2.489	63.22	.193	4.90
3	78	8	9	10½	3010	727	329.77	3.500	88.90	3.090	78.49	.205	5.21
3½	91	8	9	10¼	3005	880	399.17	4.000	101.60	3.570	90.68	.215	5.46
4	103	8	9	10¼	3005	1030	467.21	4.500	114.30	4.050	102.87	.225	5.72
5	129	8	9	10	2995	1400	635.04	5.563	141.30	5.073	128.85	.245	6.22
6	155	8	9	10	2995	1840	834.62	6.625	168.28	6.093	154.76	.266	6.76

*For information only, not a UL 6 requirement.

Rigid Steel Conduit is manufactured to the lengths shown above, so when a straight-tapped coupling Wheatland trade sizes 3 through 6 are UL Listed for use with directional boring equipment.

Packaging

Trade Size	Metric Designator	Threads Protectors Color	Quantity Per Bundle		Quantity Per Lift				Weight Per Lift		Volume Per Lift	
			Feet	Meters	Pieces	Bundles	Feet	Meters	Pounds	Kilograms	Cu. Feet	Cu. m
½	16	Black	100	30.5	---	25	2,500	762	2050	929.9	19.4	0.6
¾	21	Red	50	15.2	---	40	2,000	610	2180	988.8	26.7	0.8
1	27	Blue	50	15.2	---	25	1,250	381	2013	913.1	22.2	0.6
1¼	35	Red	---	---	90	---	900	274	1962	889.9	28.3	0.8
1½	41	Black	---	---	80	---	800	244	2104	954.4	27.2	0.8
2	53	Blue	---	---	60	---	600	183	2100	952.6	36.1	1.0
2½	63	Black	---	---	37	---	370	113	2068	938.0	35.0	1.0
3	78	Blue	---	---	30	---	300	91	2181	989.3	41.5	1.2
3½	91	Black	---	---	25	---	250	76	2200	997.9	43.3	1.2
4	103	Blue	---	---	20	---	200	61	2060	934.4	48.6	1.4
5	129	Blue	---	---	15	---	150	46	2100	952.5	52.1	1.5
6	155	Blue	---	---	10	---	100	30	1840	834.6	43.8	1.2

The quantity per Lift conforms to the National Electrical Manufacturers Association Standards Publication RN-2 Packaging of Master Bundles for Steel Rigid Conduit, Intermediate Metal Conduit (IMC), and Electrical Metallic Tubing.