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CONDUIT

EMT, Rigid & IMC

**PRODUCT
CATALOG
2024**

Representative Materials Company

1 (408) 883-3806

www.RepMaterials.com



Conduit Quality Control



RMC's Galvanized Rigid Conduit (GRC) and Electrical Metallic Tubing (EMT) has excellent protection, strength, and ductility for raceway systems. Manufactured with high strength steel, our conduit is free of flaking, chipping, or corrosion.

Tested & Evaluated

At RMC, we take our commitment to quality control seriously. From the moment the materials arrive at our facility to the final packaging of our conduit products, we have a thorough testing process in place. Our goal is to deliver top-quality products that meet the highest standards of excellence.

Quality Assured

Quality control procedures are in place from the time materials are received at the facility to when the finished conduit are packaged and readied for shipping.

A three step process to guarantee quality

Step 1: Rigorous Assessments

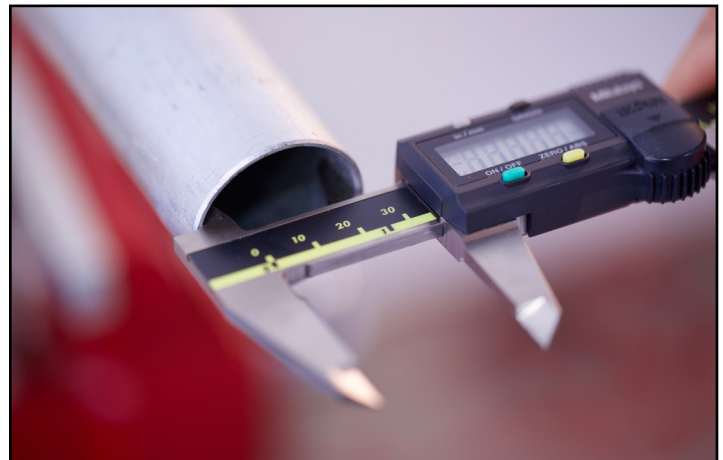
Procurement of raw materials, production, and final product delivery - every stage undergoes rigorous examination by our team of experts. We understand that all materials and processes play a crucial role in the overall performance of our conduit raceway system, that's why we meticulously scrutinize the quality of our materials and manufacturing processes.

Step 2: Intensive Research and Development

Innovation is at the core of what we do. We strive to continuously improve the quality of our products and manufacturing efficiencies to provide the highest standards in the industry. We are dedicated to improving the ease of installation and corrosion resistance of our comprehensive conduit systems through rigorous research and development efforts.

Step 3: Internal Audits

To maintain the highest level of quality control, we conduct regular internal audits. These official inspections allow us to identify areas for improvement and refine our quality control systems and best practices.



Representative Materials Company

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Electrical Metallic Tubing - (EMT) Conduit



RMC's Electrical Metallic Conduit (EMT) (UL797) has excellent protection, strength, and ductility for raceway systems. Our EMT is manufactured with high strength steel, and produced by the electrical resistance welding process which ensures continuous weld seams that are free from interior defects. We rigorously test our EMT to provide field bending without flaking, kinking or cracking.



Features

- Galvanized coating provides enhanced corrosion protection
- Greater wire capacity and less friction between wall to wire to minimize wire chafing.
- Interior Zinc Coating provides a smooth surface for faster wire pulling.

Listings

- Underwriters Laboratories Standard for EMT-Steel (UL797) file # E531582
- American National Standards Institute (ANSI® C80.3)
- National Electric Code® Article 358

Dimension and Weight Chart (EMT & Color EMT) and Packing Schedule (EMT & Color EMT)

ELECTRICAL METALLIC TUBING (EMT)																	
ITEM #	TRADE SIZE		NOMINAL WT. PER 100FT (30.5M)		NOMINAL OUTSIDE DIAMETER		NOMINAL WALL THICKNESS		COLOR TAPE	QUANTITY IN BUNDLE		QUANTITY PER LIFT				WEIGHT/LIFT	
	U.S.	Metric	Lbs.	Kg.	in.	mm.	in.	mm.		Feet	Meters	PCS	BD's	Feet	Meters	Lbs.	Kg.
EMTCT05	1/2	16	30	13.5	0.706	17.93	0.042	1.07	Black	100	30.5	-	70	7000	2134	2083	945
EMTCT07	3/4	21	46	20.7	0.922	23.42	0.049	1.24	Red	100	30.5	-	50	5000	1524	2282	1,035
EMTCT10	1	27	67	30.6	1.163	29.54	0.057	1.45	Blue	100	30.5	-	30	3000	914	2024	918
EMTCT12	1-1/4	35	101	45.6	1.510	38.35	0.065	1.65	Red	50	15.2	-	40	2000	610	2011	912
EMTCT15	1-1/2	41	116	52.8	1.740	44.20	0.065	1.65	Black	50	15.2	-	30	1500	457	1746	792
EMTCT20	2	53	148	67.2	2.197	55.80	0.065	1.65	Blue	30	9.14	-	40	1200	366	1777	806
EMTCT25	2-1/2	63	216	97.9	2.875	73.03	0.072	1.83	Black	-	-	61	-	610	186	1316	597
EMTCT30	3	78	265	120.0	3.500	88.90	0.072	1.83	Blue	-	-	51	-	510	155	1349	612
EMTCT35	3-1/2	91	348	158.0	4.000	101.60	0.083	2.11	Black	-	-	37	-	370	113	1290	585
EMTCT40	4	103	392	178.0	4.500	114.30	0.083	2.11	Blue	-	-	30	-	300	91	1179	534

Notes: 1. Applicable tolerances - Length: 10ft. ± 1/4". Outside Diameter: 1/2"-2" ± 0.005"; 2 1/2" ± 0.010"; 3" ± 0.015"; 3 1/2"-4" ± 0.020".



Galvanized Rigid Conduit - (GRC)



RMC's Galvanized Rigid Conduit (GRC) (UL6) has excellent protection, strength, and ductility for raceway systems. Our rigid conduit is manufactured from high strength hot-dipped galvanized steel and produced by the electrical resistance welding process which ensures continuous weld seams that will not split or crack at the weld and are free from interior defects. Our precision threaded ends ensure fast assembly in the field.



Features

- Rigid conduit provides exceptional physical protection, reduces exposure to EMF and shields against electromagnetic interference.
- Hot dipped galvanized coating provides enhanced corrosion protection.
- Impact-resistant and non-combustible.

Listings

- Underwriters Laboratories Standard for rigid conduit (UL6) file # E531580
- American National Standards Institute (ANSI® C80.1)
- National Electric Code® Article 344

Dimension and Weight Chart and Packing Schedule (GRC)

GALVANIZED RIGID CONDUIT (GRC)																	
PART NUMBER	TRADE SIZE		NOMINAL WT. PER 100FT (30.5M)		NOMINAL OUTSIDE DIAMETER		NOMINAL WALL THICKNESS		COLOR TAPE	QUANTITY IN BUNDLE		QUANTITY PER LIFT				WEIGHT/LIFT	
	U.S.	Metric	Lbs.	Kg.	in.	mm.	in.	mm.		Feet	Meters	PCS	BD's	Feet	Meters	Lbs.	Kg.
RMCCT05	1/2	16	82	37.2	0.840	21.3	0.104	2.60	Black	100	30.5	-	25	2500	762	2050	930
RMCCT07	3/4	21	109	49.4	1.050	26.7	0.107	2.70	Red	50	15.2	-	40	2000	610	2178	988
RMCCT10	1	27	161	73.0	1.315	33.4	0.126	3.20	Blue	50	15.2	-	25	1250	381	2013	913
RMCCT12	1-1/4	35	218	98.9	1.660	42.2	0.133	3.40	Red	-	-	90	-	900	274	1962	890
RMCCT15	1-1/2	41	263	119	1.900	48.3	0.138	3.50	Black	-	-	80	-	800	244	2099	952
RMCCT20	2	53	350	159	2.375	60.3	0.146	3.70	Blue	-	-	60	-	600	183	2103	954
RMCCT25	2-1/2	63	559	254	2.875	73.0	0.193	4.90	Black	-	-	37	-	370	113	2072	940
RMCCT30	3	78	727	330	3.500	88.9	0.205	5.20	Blue	-	-	30	-	300	91	2183	990
RMCCT35	3-1/2	91	880	399	4.000	101.6	0.215	5.50	Black	-	-	25	-	250	76	2200	998
RMCCT40	4	103	1030	467	4.500	114.3	0.225	5.70	Blue	-	-	20	-	200	61	2059	934
RMCCT50	5	129	1400	635	5.563	141.3	0.245	6.20	Blue	-	-	15	-	150	46	2101	953
RMCCT60	6	155	1840	835	6.625	168.3	0.266	6.80	Blue	-	-	10	-	100	30	1841	835

Notes: 1. Applicable tolerances - Length: 10ft. ± 1/4". Outside Diameter: 1/2" ± 0.015"; 2 1/2"-4" ± 0.025"; 5"-6" ± 1"



Intermediate Metallic Conduit - (IMC)



RMC's Intermediate Metal Conduit (IMC) (UL1242) is slightly more flexible than Rigid conduit, which makes it easier to bend and maneuver during installation but despite the thinner wall material IMC maintains excellent protection, strength and ductility for raceway systems. Our IMC conduit is manufactured from high strength hot-dipped galvanized steel and produced by the electrical resistance welding process.



Features

- IMC conduit provides exceptional physical protection, reduces exposure to EMF and shields against electromagnetic interference.
- Hot dipped galvanized coating provides enhanced corrosion protection.
- Impact-resistant and non-combustible.

Listings

- Underwriters Laboratories Standard for rigid conduit (UL-1242) file # E531579
- American National Standards Institute (ANSI® C80.6)
- National Electric Code® Article 344

Dimension and Weight Chart and Packing Schedule (GRC)

INTERMEDIATE METAL CONDUIT (IMC)																	
PART NUMBER	TRADE SIZE		NOMINAL WT. PER 100FT (30.5M)		NOMINAL OUTSIDE DIAMETER		NOMINAL WALL THICKNESS		COLOR TAPE	QUANTITY IN BUNDLE		QUANTITY PER LIFT				WEIGHT/LIFT	
	U.S.	Metric	Lbs.	Kg.	in.	mm.	in.	mm.		Feet	Meters	PCS	BD's	Feet	Meters	Lbs.	Kg.
IMCCT05	1/2	16	62	28.12	0.815	20.70	0.078	1.197	Yellow	100	30.5	350	25	3500	762	2170	703
IMCCT07	3/4	21	84	38.10	1.029	26.14	0.083	2.10	Green	50	15.2	250	40	2500	610	2100	762
IMCCT10	1	27	119	53.98	1.290	32.77	0.093	2.35	Orange	50	15.2	170	25	1700	381	2023	675
IMCCT12	1-1/4	35	158	71.67	1.638	41.59	0.095	2.41	Green	-	-	135	-	1350	274	2133	645
IMCCT15	1-1/2	41	194	88.00	1.883	47.82	0.100	2.54	Yellow	-	-	110	-	1100	244	2134	704
IMCCT20	2	53	256	116.12	2.360	59.93	0.105	2.67	Orange	-	-	80	-	800	183	2048	697
IMCCT25	2-1/2	63	441	200.04	2.857	72.57	0.150	3.81	Yellow	-	-	37	-	370	113	1632	740
IMCCT30	3	78	543	246.30	3.476	88.29	0.150	3.81	Orange	-	-	30	-	300	91	1629	739
IMCCT35	3-1/2	91	629	285.31	3.971	100.86	0.150	3.81	Yellow	-	-	24	-	240	76	1510	714
IMCCT40	4	103	700	317.52	4.466	113.44	0.150	3.81	Orange	-	-	24	-	240	61	1680	635

Notes: 1. Applicable tolerances - Length: 10ft. ± 1/4". Outside Diameter: 1/2" ± 0.015"; 2 1/2"-4" ± 0.025"; 5"-6" ± 1"



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