



Galvite® Rigid Steel Conduit (GRC)

Galvite® Rigid Steel Conduit (GRC) is manufactured from high-quality, flat-rolled steel. Produced by the electric resistance welding (ERW) process, the finished tube is uniform in OD size, wall thickness, rigidity and ductility.

The use of quality steel, carefully controlled processing, modern equipment and experienced personnel all contribute to this product's reputation for quality.

Galvite® Rigid Steel Conduit offers the highest available strength, rigidity, ductility, system safety and protection. It's suitable for the most demanding industrial/ commercial building and construction service, indoors or outdoors.

Special Product Features

The outstanding performance of Galvite® Rigid Steel Conduit results from the use of quality steel and care and attention in the manufacturing process. Features include:

- Hot-dipped galvanized inside and out. Its tightly adhering finish makes it ideal for severe bending.
- No "burnt" or hard spots in the metal. Welds are smooth, strong and sound. The inside surface is smooth and free from burrs and rough spots, making wire pulling easy.
- Ease of forming and joining. Threads are metallized with zinc to provide added corrosion protection. The ductility and formability of this product make bending, cutting and threading easier, providing economy of installation.



Specifications

Architects desiring to specify *Galvite*[®] Rigid Steel Tubing should include the following description: "Electrical conductors shall be enclosed in *Galvite*[®] Rigid Steel Conduit in accordance with the National Electrical Code. Rigid steel conduit shall be mild steel, manufactured, hot-dipped galvanized and produced to the following specifications:

- American National Standards Institute – American National Standard for Electrical Rigid Steel Conduit (ERSC) ANSI, C80.1
- Underwriters Laboratories Standard for Electrical Rigid Metal Conduit - Steel, UL 6
- National Electric Code, 2002 Article 344 (1999 NEC, Article 346)
- Federal Specification WW-C-581 (Class 1 Type A)
The above specification may still be referenced, however the federal government has canceled it and has adopted the UL 6 standard.

The Benefits of Steel Conduit

here are a number of advantages to the use of steel conduit:

- Simple installation
- EMI shielding
- System grounding
- Physical and mechanical protection
- Chemical compatibility with concrete
- Fire resistance
- Impact resistance
- Lower life-cycle costs
- Complete recyclability
- Manufactured for long life



Product Availability

Galvite[®] Rigid Steel Conduit is manufactured in standard trade sizes through 6". Please refer to the chart on the reverse side of this data sheet for complete dimension and weight information. Inventories of our Rigid Steel Conduit are maintained by leading distributors throughout North America.

Galvite[®] Rigid Steel Conduit is manufactured in 10' lengths with a coupling on one end. It is supplied with color-coded end caps for easier identification and thread protection, as shown in the chart on the reverse side.

No Hassle Quality Guarantee

If at any time within one year of the date of shipment of our Conduit™ products from our facilities, you are not satisfied with the quality of the electrical conduit products purchased from Conduit™, we will promptly replace the material – free of charge. This guarantee applies to all of our electrical conduit products except where environmental conditions preclude one year of service life.

Galvite® Rigid Steel Conduit Dimensions and Weights Chart

The values stated in feet/pound units are to be the standard. The metric equivalents may be approximate.

Trade Size Designator		Outside Diameter		Nominal Inside Diameter		Nominal Weight Per 100 Feet		Feet Per Bundle	Standard Lifts		Weight		Threads Per In.
US	Metric	IN	mm	IN	mm	LBS	KG		Length				
									FEET	M	LBS.	KG	
1/2	16	.840	21.34	.622	15.80	82	37.2	100	2500	762.50	2050	929.7	14
3/4	21	1.050	26.67	.824	20.93	109	49.4	50	2000	610.0	2180	988.7	14
1	27	1.315	33.40	1.049	26.64	161	73.0	50	1250	381.3	2013	912.9	11.5
1-1/4	35	1.660	42.16	1.380	35.05	218	98.9	-	900	274.5	1962	889.8	11.5
1-1/2	41	1.900	48.26	1.610	40.89	263	119.3	-	800	244.0	2104	954.2	11.5
2	53	2.375	60.33	2.067	52.50	350	158.7	-	600	183.0	2100	952.4	11.5
2-1/2	63	2.875	73.03	2.469	62.71	559	253.5	-	370	112.9	2068	937.9	8
3	78	3.500	88.90	3.068	77.93	727	329.7	-	300	91.5	2181	989.1	8
3-1/2	91	4.000	101.60	3.548	90.12	880	399.1	-	250	76.3	2200	997.7	8
4	103	4.500	114.30	4.026	102.26	1030	467.1	-	200	61.0	2060	934.2	8
5	129	5.563	141.30	5.047	128.19	1400	634.9	-	150	45.8	2100	952.4	8
6	155	6.625	168.28	6.065	154.05	1840	834.5	-	100	30.5	1840	834.5	8

Conduit is furnished in nominal 10' lengths with both ends threaded.

Applicable length tolerance: length = ±1/4" (±6.35 mm) - without coupling.

A coupling is screwed on one end and a thread protector is on the other.

Conduit is always identified by its English or Metric Trade Size Designator.

All dimensions and weights shown above are nominal.

OUTSIDE DIAMETER:

For trade sizes through 2": ±0.015" (±0.38 mm)

For trade size 2-1/2" through 4": ±0.025" (±0.64 mm)

For trade size 5" through 6": ± 1%

Rigid Conduit Color Code–Bundle Tape Chart

PRODUCT	SIZE, IN.	COLOR CODE	METHOD
Rigid Steel Conduit	1/4 sizes	Red	End Caps
	1/2 sizes	Black	End Caps
	1 sizes	Blue	End Caps

To learn more about B-I-A please visit us at our
WEB site: www.BiaGmbH.com

