



# PROVIDENCE PIPE PRODUCTS

## GALVANIZED RIGID CONDUIT (GRC)



### GENERAL

Providence RIGID is manufactured from high-strength steel. Produced by electric resistance welding process, the finished conduit is uniform in OD size, wall thickness, a defect free interior surface and smoothly welded seams. Providence RIGID is produced using an inline hot-dipped galvanization process for inside and outside, so that metal to metal contact and galvanic protection against corrosion are provided. Additionally, it is top-coated with a compatible organic Zinc layer to inhibit white rust and increase corrosion resistance.

The interior surface quality provides smooth continuous raceways for easy and fast wiring pulling. Its excellent ductility provides easy bending, cutting and joining to prevent waste of time and materials. No need to worry about damage to the conduit system even when through multiple 90 degree bends.

The pitch of threads conforms to the American National Standard for pipe threads, general purpose (inch), ansi/asme b1.90.1 Threads are protected after cutting by an application of molten zinc. The quality in primary bundle and master bundle NEMA standard bundle quantity. Providence RIGID is a UL listed product. Each pipe has been affixed a UL label and a manufacturer label including trade size and a bar code.

### APPLICATION

Galvanized Rigid Conduit can be installed indoors or outdoors, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations, when in accordance with NEC® 2002 Article 344. Also, it provides mechanical protection for the conductors while reducing Electro-Magnetic Field (EMF) exposure and shielding against Electro-Magnetic Interference (EMI).

Galvanized Steel Rigid Conduit is an approved equipment grounding conductor under the 2002 NEC® Section 250.118. The NEC® establishes the minimum requirements for safe electrical installation. Because of the varied environments in which electrical equipment is installed, local amendments are often added. Always Consult local codes prior to installation.

### DIMENSIONS AND WEIGHT CHART

RIGID SIZE	MASTER BUNDLE WEIGHT		MASTER BUNDLE QUANTITY		OUTSIDE DIAMETER		MIN. WALL THICKNESS		THREADS/ INCH
	In.	lbs.	ft.	Pieces	In.	mm	In.	mm	
1/2"		2050	2500	250	0.84	21.34	0.104	2.64	14
3/4"		2200	2000	200	1.05	26.67	0.107	2.72	14
1"		2020	1250	125	1.31	33.4	0.126	3.2	11½
1-1/4"		1980	900	90	1.66	42.16	0.133	3.38	11½
1-1/2"		2100	800	80	1.9	48.26	0.138	3.51	11½
2"		2120	600	60	2.38	50.33	0.146	3.71	11½
2-1/2"		2100	370	37	2.88	73.03	0.193	4.9	8
3"		2010	300	30	3.5	88.9	0.205	5.21	8
3-1/2"		2160	250	25	4	101.6	0.216	5.51	8
4"		2090	200	20	4.5	114.3	0.225	5.72	8
5"		990	70	7	5.56	141.3	0.244	6.22	8
6"		1300	70	7	6.63	168.28	0.266	6.76	8

### QUALITY YOU CAN RELY ON .



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## SUPERB OUTSIDE SURFACE

DOUBLE LAYER OF ANTI RUST COATING.

SALT SPRAY TESTED FOR SUPERIOR RESISTENCE TO CORROSION.

## SUPERB INSIDE SURFACE

ENAMEL COATING TECHNOLOGY FOR SMOOTH WIRE PULLING

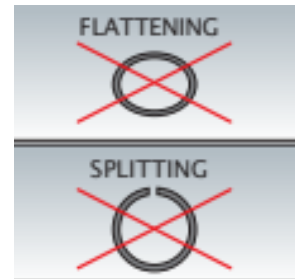
DENSE AND UNIFORM ANTI-CORROSION COATING.

SMALL AND SMOOTH INTERIOR SEAM.

## SUPERB BENDING

EXCLUSIVE MATERIAL AND PROCESS FOR OPTIMAL BENDING.

HIGH QUALITY STEEL TO ENSURE NO DAMAGE AT **ANY** BENDING ANGLE.



## SPECIFICATIONS

Providence RIGID pipe is manufactured in accordance with the latest edition of the following:

American National Standards Institute (ANSI)

American National Standard for Rigid Steel Tubing, ANSI ® C80.1

UL Standard for Rigid-Steel, UL 6