

REXWAY

RMC

**rigid
metal
conduit**

for cable management

**ultimate
mechanical
protection**

**for enclosed
wire conductors**



TOGETHER WE ARE BETTER





INSTEEL

In an ever changing market, **INSTEEL** has forged itself a respected industry name...
We go beyond the call of duty, get to the root of the issues and

WORK REALLY, REALLY HARD!

Never satisfied with mediocrity, we strive to achieve more, often asking
"how can we improve?" After all, if you are not passionate about it, why do it!

Do we think out of the box?

ACTUALLY, WE DON'T BELIEVE THERE IS A BOX!

Established in 1998, we have broadened our horizons and are poised, ready to face
the challenges ahead, whilst always mindful of our absolute conviction towards

INTEGRITY & RELIABILITY

INSTEEL believes that business is about relationships -
long-term relationships.

The support of our business partners
both customers and suppliers
alike, is essential to the very vision and enthusiasm at Insteel.



T O G E T H E R W E A R E B E T T E R



REXWAY RMC
Rigid Metal Conduit



Rigid Metal Conduit maximum mechanical protection

REXWAY Rigid Metal Conduit (RMC) is produced to meet the specifications laid out in ANSI C80.1 and UL 6. Manufactured from high strength mild steel strip, **REXWAY RMC** has undergone extensive mechanical impact testing and is proven to be able to withstand excessive structural abuse. Ultimately this is the heaviest and thickest walled ANSI standard conduit Insteel produces.



REXWAY RMC is hot dipped galvanised inside and out to provide superior corrosion protection. Its clean even interior reduces friction between the wall of the conduits and the wires, providing easy wire pulling during installation.

Additionally, **REXWAY RMC** couplings, elbows and nipples are available right through to 6" providing you with the complete supply solution.



Product Features

- Manufactured to meet the specifications laid out in ANSI C80.1 and UL 6.
- Highest strength steel offers longevity and value under the most demanding environments.
- The heaviest and thickest walled conduits, yet possesses superior ductility for cutting, bending and welding.
- Clean even interior facilitates smooth continuous raceways for easy wire pulling.
- Hot dipped galvanised widely regarded as the most superior galvanising protection against corrosion.
- Supplied precision threaded, with a color coded thread protector on one end and a coupling on the other.
- REXWAY RMC is supplied in standard length of 10ft (3.05m). Available from 1/2" to 6".
- REXWAY RMC Couplings, elbows and nipples are available from 1/2" to 6".

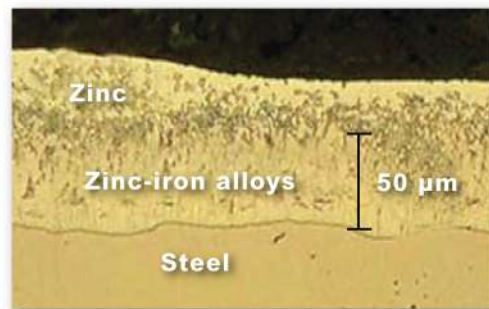


MORE ABOUT Hot Dipped Galvanising...

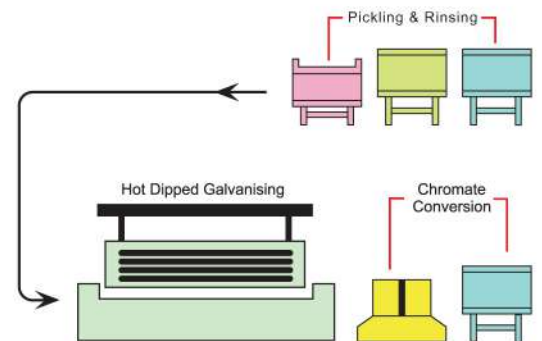
Galvanising may be defined as the process by which zinc is metallurgical bonded over an iron or steel substrate to provide protection to the base metal. The zinc coating provides protection to the substrate in two distinct ways:

- By shielding the base metal to the atmosphere.
- By providing anodic protection to the base metal.

All **REXWAY RMC** is hot dipped galvanised by dipping the cleaned and pickled bare steel conduit pipes into a molten zinc bath, kept at a consistent temperature of above 430°C. After exiting the zinc bath, an application of chromate conversion coating is added. Put simply, the zinc protects the steel and the chromate protects the zinc!



Micrograph of hot dipped galvanised coating



Application Advantages

REXWAY RMC is manufactured to ensure absolute functionality in a variety of demanding environments. Be it indoor or outdoor, exposed or concealed, dry or wet locations. Or even in hazardous locations when in accordance with National Electric Code (NEC) Article 344.

- Reusability for future additions or replacement of circuits.
- Non-combustibility reduces hazards from fire.
- Built-in grounding capabilities eliminate the need for supplemental grounding conductors.
- Steel conduit acts as an Electromagnetic Interference (EMI) shield!





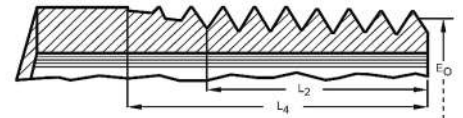
Rigid Metal Conduit

Material : Steel Hot Dipped Galvanised

Item Code	Trade Size		Nominal Outside Diameter (mm)	Nominal Wall Thickness (mm)	Approximate Weight Per Length (kgs)
	in	mm			
R050	1/2	16	21.3	2.60	3.58
R075	3/4	21	26.7	2.70	4.76
R100	1	27	33.4	3.20	6.94
R125	1-1/4	35	42.2	3.40	9.11
R150	1-1/2	41	48.3	3.50	11.29
R200	2	53	60.3	3.70	15.06
R250	2-1/2	63	73.0	4.90	23.90
R300	3	78	88.9	5.20	30.96
R350	3-1/2	91	101.6	5.50	37.69
R400	4	103	114.3	5.70	44.10
R500	5	129	141.3	6.20	59.58
R600	6	155	168.3	6.80	79.16

Outside Diameter Tolerances :

- For trade size 1/2" (16mm) through 1-1/2" (41mm) : +/- 0.015 in (+/- 0.38mm)
- For trade size 2" (53mm) through 6" (155mm) : +/- 1%



Rigid Metal Conduit Coupling

Material : Steel Hot Dipped Galvanised

Item Code	Trade Size (in)	Minimum Acceptable Length of Coupling (mm)	Pitch Diameter		Chamfer Diameter	
			Max. (mm)	Min. (mm)	Max. (mm)	Min. (mm)
RC-050	1/2	41.3	20.68	20.35	21.29	20.27
RC-075	3/4	41.7	26.01	25.68	26.62	25.60
RC-100	1	50.0	32.59	32.18	33.02	32.00
RC-125	1-1/4	51.6	41.35	40.94	41.78	40.77
RC-150	1-1/2	52.4	47.45	47.04	47.88	46.86
RC-200	2	54.0	59.51	59.11	59.94	58.93
RC-250	2-1/2	81.0	71.83	71.27	72.64	71.12
RC-300	3	84.1	87.71	87.15	88.52	87.00
RC-350	3-1/2	86.5	100.40	99.85	101.20	99.70
RC-400	4	89.3	113.10	112.60	113.90	112.40
RC-500	5	100.4	140.10	139.60	141.70	140.20
RC-600	6	108.0	167.10	166.60	168.90	167.40



RMC Nipple

Material : Hot Dipped Galvanised

Trade Size (inch)	Nipple Length									
	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"	10"	12"
1/2"	RN200-050	RN250-050	RN300-050	RN350-050	RN400-050	RN500-050	RN600-050	RN800-050	RN1000-050	RN1200-050
3/4"	RN200-075	RN250-075	RN300-075	RN350-075	RN400-075	RN500-075	RN600-075	RN800-075	RN1000-075	RN1200-075
1"	RN200-100	RN250-100	RN300-100	RN350-100	RN400-100	RN500-100	RN600-100	RN800-100	RN1000-100	RN1200-100
1-1/4"	RN200-125	RN250-125	RN300-125	RN350-125	RN400-125	RN500-125	RN600-125	RN800-125	RN1000-125	RN1200-125
1-1/2"	RN200-150	RN250-150	RN300-150	RN350-150	RN400-150	RN500-150	RN600-150	RN800-150	RN1000-150	RN1200-150
2"		RN250-200	RN300-200	RN350-200	RN400-200	RN500-200	RN600-200	RN800-200	RN1000-200	RN1200-200
2-1/2"			RN300-250	RN350-250	RN400-250	RN500-250	RN600-250	RN800-250	RN1000-250	RN1200-250
3"				RN350-300	RN400-300	RN500-300	RN600-300	RN800-300	RN1000-300	RN1200-300
3-1/2"					RN400-350	RN500-350	RN600-350	RN800-350	RN1000-350	RN1200-350
4"					RN400-400	RN500-400	RN600-400	RN800-400	RN1000-400	RN1200-400
5"						RN500-500	RN600-500	RN800-500	RN1000-500	RN1200-500
6"							RN600-600	RN800-600	RN1000-600	RN1200-600



Close Length Nipple

Material : Steel
Electro-Galvanised

Item Code	Size (in)
RNP-050E	1/2" X 1-1/8"
RNP-075E	3/4" X 1-3/8"
RNP-100E	1" X 1-1/2"
RNP-125E	1-1/4" X 1-5/8"
RNP-150E	1-1/2" X 1-3/4"
RNP-200E	2" X 2"
RNP-250E	2-1/2" X 2-1/2"
RNP-300E	3" X 2-5/8"
RNP-350E	3-1/2" X 2-3/4"
RNP-400E	4" X 2-7/8"
RNP-500E	5" X 3"
RNP-600E	6" X 3-1/8"



45° Elbow

Material : Steel
Hot Dipped Galvanised

Item Code	Size (in)
RE45-050	1/2"
RE45-075	3/4"
RE45-100	1"
RE45-125	1-1/4"
RE45-150	1-1/2"
RE45-200	2"
RE45-250	2-1/2"
RE45-300	3"
RE45-350	3-1/2"
RE45-400	4"
RE45-500	5"
RE45-600	6"



90° Elbow

Material : Steel
Hot Dipped Galvanised

Item Code	Size (in)
RE90-050	1/2"
RE90-075	3/4"
RE90-100	1"
RE90-125	1-1/4"
RE90-150	1-1/2"
RE90-200	2"
RE90-250	2-1/2"
RE90-300	3"
RE90-350	3-1/2"
RE90-400	4"
RE90-500	5"
RE90-600	6"



Conduit Clamp

Material : Steel
Hot Dipped Galvanised Electro-Galvanised

Item Code	Item Code	Size (in)
RCL-050	RCL-050E	1/2"
RCL-075	RCL-075E	3/4"
RCL-100	RCL-100E	1"
RCL-125	RCL-125E	1-1/4"
RCL-150	RCL-150E	1-1/2"
RCL-200	RCL-200E	2"
RCL-250	RCL-250E	2-1/2"
RCL-300	RCL-300E	3"
RCL-400	RCL-400E	4"
RCL-600	RCL-600E	6"



Locknut

Material : Steel
Hot Dipped Galvanised Electro-Galvanised

Item Code	Item Code	Size (in)
RL-050	RL-050E	1/2"
RL-075	RL-075E	3/4"
RL-100	RL-100E	1"
RL-125	RL-125E	1-1/4"
RL-150	RL-150E	1-1/2"
RL-200	RL-200E	2"
RL-250	RL-250E	2-1/2"
RL-300	RL-300E	3"
RL-400	RL-400E	4"
RL-600	RL-600E	6"



One Hole Strap

Material : Steel
Hot Dipped Galvanised Electro-Galvanised

Item Code	Item Code	Size (in)
R1S-050	R1S-050E	1/2"
R1S-075	R1S-075E	3/4"
R1S-100	R1S-100E	1"
R1S-125	R1S-125E	1-1/4"
R1S-150	R1S-150E	1-1/2"
R1S-200	R1S-200E	2"
R1S-250	R1S-250E	2-1/2"
R1S-300	R1S-300E	3"
R1S-400	R1S-400E	4"
R1S-600	R1S-600E	6"



Two Holes Strap

Material : Steel
Hot Dipped Galvanised Electro-Galvanised

Item Code	Item Code	Size (in)
R2S-050	R2S-050E	1/2"
R2S-075	R2S-075E	3/4"
R2S-100	R2S-100E	1"
R2S-125	R2S-125E	1-1/4"
R2S-150	R2S-150E	1-1/2"
R2S-200	R2S-200E	2"
R2S-250	R2S-250E	2-1/2"
R2S-300	R2S-300E	3"
R2S-400	R2S-400E	4"
R2S-600	R2S-600E	6"



Ground Bushing - Insulated

Material : Malleable Iron
Hot Dipped Galvanised

Item Code	Size (in)
RGB-050	1/2"
RGB-075	3/4"
RGB-100	1"
RGB-125	1-1/4"
RGB-150	1-1/2"
RGB-200	2"
RGB-250	2-1/2"
RGB-300	3"
RGB-400	4"
RGB-600	6"



Conduit Bushing - Insulated

Material : Malleable Iron
Hot Dipped Galvanised

Item Code	Size (in)
RBU-050	1/2"
RBU-075	3/4"
RBU-100	1"
RBU-125	1-1/4"
RBU-150	1-1/2"
RBU-200	2"
RBU-250	2-1/2"
RBU-300	3"
RBU-400	4"
RBU-600	6"



Reducing Bushing

Material : Steel
Electro-Galvanised

Item Code	Size (in)
RRB20-15E	3/4"-1/2"
RRB25-15E	1"-1/2"
RRB25-20E	1" - 3/4"
RRB32-15E	1-1/4"-1/2"
RRB32-20E	1-1/4"-3/4"
RRB32-25E	1-1/4"-1"
RRB40-15E	1-1/2"-1/2"
RRB40-20E	1-1/2"-3/4"
RRB40-25E	1-1/2"-1"
RRB40-32E	1-1/2"-1-1/4"
RRB50-15E	2"-1/2"
RRB50-20E	2"-3/4"
RRB50-25E	2"-1"
RRB50-32E	2"-1-1/4"
RRB50-40E	2"-1-1/2"



Female To Female Union

Material : Steel
Hot Dipped Galvanised

Item Code	Size (in)
RUF-050	1/2"
RUF-075	3/4"
RUF-100	1"
RUF-125	1-1/4"
RUF-150	1-1/2"
RUF-200	2"



Female To Male Union

Material : Steel
Hot Dipped Galvanised

Item Code	Size (in)
RUFM-050	1/2"
RUFM-075	3/4"
RUFM-100	1"
RUFM-125	1-1/4"
RUFM-150	1-1/2"
RUFM-200	2"



Conduit Body-Type LL

Material : Ferrous
Hot Dipped Galvanised

Item Code	Size (in)
RB7L-050F	1/2"
RB7L-075F	3/4"
RB7L-100F	1"
RB7L-125F	1-1/4"
RB7L-150F	1-1/2"
RB7L-200F	2"
RB7L-250F	2-1/2"
RB7L-300F	3"
RB7L-400F	4"



Conduit Body-Type LR

Material : Ferrous
Hot Dipped Galvanised

Item Code	Size (in)
RB7R-050F	1/2"
RB7R-075F	3/4"
RB7R-100F	1"
RB7R-125F	1-1/4"
RB7R-150F	1-1/2"
RB7R-200F	2"
RB7R-250F	2-1/2"
RB7R-300F	3"
RB7R-400F	4"



Conduit Body-Type LB

Material : Ferrous
Hot Dipped Galvanised

Item Code	Size (in)
RB7B-050F	1/2"
RB7B-075F	3/4"
RB7B-100F	1"
RB7B-125F	1-1/4"
RB7B-150F	1-1/2"
RB7B-200F	2"
RB7B-250F	2-1/2"
RB7B-300F	3"
RB7B-400F	4"



Conduit Body-Type T

Material : Ferrous
Hot Dipped Galvanised

Item Code	Size (in)
RB7T-050F	1/2"
RB7T-075F	3/4"
RB7T-100F	1"
RB7T-125F	1-1/4"
RB7T-150F	1-1/2"
RB7T-200F	2"
RB7T-250F	2-1/2"
RB7T-300F	3"
RB7T-400F	4"



Conduit Body-Type C

Material : Ferrous
Hot Dipped Galvanised

Item Code	Size (in)
RB7C-050F	1/2"
RB7C-075F	3/4"
RB7C-100F	1"
RB7C-125F	1-1/4"
RB7C-150F	1-1/2"
RB7C-200F	2"
RB7C-250F	2-1/2"
RB7C-300F	3"
RB7C-400F	4"

Flexible Conduit With PVC Sheath

Material : Steel Core (for Flexible Conduit), PVC (for Sheath)
Electro-Galvanised (for Flexible Conduit)

Item Code	Size (in)	Meter / Roll
AFC-050E	1/2"	100
AFC-075E	3/4"	50
AFC-100E	1"	50
AFC-125E	1-1/4"	25
AFC-150E	1-1/2"	25
AFC-200E	2"	20
AFC-250E	2-1/2"	20
AFC-300E	3"	10
AFC-400E	4"	10
AFC-500E	5"	5
AFC-600E	6"	5



Male Connector

Material : Die Cast Zinc

Item Code	Size (in)
AN-050Z	1/2"
AN-075Z	3/4"
AN-100Z	1"
AN-125Z	1-1/4"
AN-150Z	1-1/2"
AN-200Z	2"
AN-250Z	2-1/2"
AN-300Z	3"
AN-400Z	4"



Female Connector

Material : Die Cast Zinc

Item Code	Size (in)
ANF-050Z	1/2"
ANF-075Z	3/4"
ANF-100Z	1"
ANF-125Z	1-1/4"
ANF-150Z	1-1/2"
ANF-200Z	2"
ANF-250Z	2-1/2"
ANF-300Z	3"
ANF-400Z	4"



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