

**REXWAY**

**BS** **british standard  
conduit &  
fittings**

*f o r c a b l e m a n a g e m e n t*

**complete  
solution**

**maximum  
corrosion  
protection**

**ease of  
installation**



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 BS

British Standard  
Conduit & Fittings



## ***Steel conduit system for cable management***

**REXWAY** electrical steel conduit system are designed specifically with global specifications in mind ensuring absolute functionality in a variety of demanding environments. A well-designed electrical conduit system provides mechanical protection and electrical safety to persons and property with the capacity for future expansion and changing conditions.

### ***Why steel?***

- Built-in grounding/earthing capabilities eliminate the need for supplemental grounding conductors.
- Physical protection from strength.
- Reusability for future additions or replacement of circuits.
- Non-combustibility reduces hazards from fire.
- Chemical compatibility with concrete.
- Good dissipation of heat.
- It's recyclable!
- Steel conduit acts as an Electromagnetic Interference (EMI) shield!

### ***More about EMI....***

EMI from everyday electrical distribution systems cause problems to today's sensitive equipment. From distortion of images on computers, to disruption of vital communication links, such problems can impact from the irritating to the catastrophic! Steel cable management systems "are the most effective" in reducing EMI levels for encased power-distribution circuits, reducing the field levels by up to 95% \*\* (in 60-Hz systems). While steel may not be the least expensive type of conduit available, it is the most cost effective approach in the long term, to controlling the impact of EMI.

For just this reason, the Federal Aviation Administration (FAA) has recommended the use of steel conduit to overcome problems at locations where control, communications and airfield-lighting cable either cross or run parallel to each other.

[\*\*Research carried out by Georgia Institute of Technology, USA sponsored by the Steel Tube Institute (STI) ]





## Why **REXWAY**?

### ***Easy Wire Pulling and Pushing***

A significant market differentiator in choosing steel conduit systems is the internal friction of the walls in contact with the wires. The higher the friction, the shorter the distance wires can be pushed or pulled.

Every care is taken to ensure **REXWAY** conduit systems are clean and even. Notably, the conduit's internal beads are well controlled, and the fittings interiors are debris free, and sharp edges removed. The interior of **REXWAY** conduit systems are functional in their grounding/earthing capabilities and the ever essential even, clean interior reduces friction for easy wire pulling and pushing. This really minimizes problematic snagging.

### ***Precise Threading Minimizes Installation Time***

**REXWAY** conduit and fittings precise thread ensures a clean, smooth, perpendicular finish. This ensures a straight coupling position resulting in a continuous conduit line. The perpendicular thread finish facilitates easy fitting of conduit accessories which minimizes installation times.

### ***Accurate Field Bending, Cutting, Threading & Reaming***

Cutting, threading and bending of **REXWAY** conduits can easily be done in the field or shop using a variety of standard equipment. Cutting leaves a sharp edge or burrs on the inside of the conduits and must be removed by reaming. This is to avoid cutting into the insulation when the conductors are pulled into it.

**Anode Cathodic Protection:**

The electrochemical relationship between zinc and steel in the presence of an electrolyte, like moisture, means that if the galvanised coating is ever compromised down to the bare steel, then the electrons in the zinc will "sacrifice" themselves to prevent corrosion. "Flash" rust will occur on the surface, but then the corrosion stops. Over time zinc from the top layer will flow into a cut up to 1/4" in the coating to "heal" it.

**Zinc Patina Protection:**

The zinc patina is a hard, thin film that forms on the galvanised coating when it reacts with the oxygen, moisture and carbon dioxide in the air (this is the dull grey surface that is associated with HDG finish). This film acts as a barrier for the galvanised coating and must wear off before the galvanised coating begins to wear.

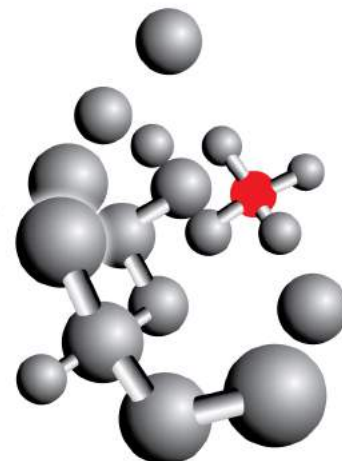
**Chromate Protection:**

Even though zinc provides excellent rust corrosion protection, the surface of steel coated with it does not remain bright and stain-free. To avoid staining and delay the formation of white corrosion during storage or in service, galvanised items are usually given a protective film of chromate conversion coating post hot dipped galvanising. The chromate coating is also beneficial as a base for paints in that it forms a barrier between the paint and the zinc, dramatically reducing any reaction or erosion that may occur in its absence. Put simply, the zinc protects the steel and the chromate protects the zinc! Zinc coating also need to comply to set standards to ensure adhesion and flexibility as the finished product will most likely undergo bending during installation.

## Superior Galvanising...

Galvanising is the practice by which zinc is metallurgically bonded over a steel substrate to provide protection to the base metal. Hot dipped galvanising is widely regarded as offering the most superior of corrosion protection available because the zinc coating is very difficult to compromise. The zinc coating provides protection to the steel in two distinct ways:

- I. By shielding the base metal from the atmosphere
- II. By providing anodic protection.

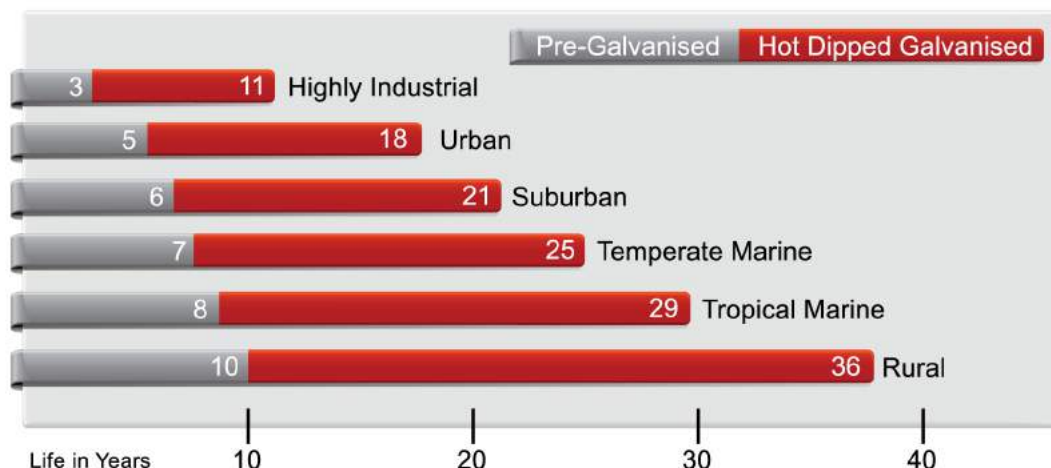


**Galvanising** is the chosen finish for most of **REXWAY** conduits and fittings products due to its superior protective advantage. Our galvanised products are manufactured in the following manner:

- **Hot Dipped Galvanising** – by immersing the finished products into a molten zinc bath of 430°C. This is the preferred galvanising process for more demanding environments such as heavy industries like oil and gas, underground, airport and seaports.
- **Pre-Galvanised** coils and sheets that have been zinc coated by a hot dipped process is used to manufacture **REXWAY** conduits and fittings. In the case of conduits, steel strip from a coil is fed through a continuous zinc coater that cleans, fluxes and coats the steel with molten zinc. After cooling, the steel is recoiled and thereafter manufactured into conduit.
- **Electro Galvanising** is the process whereby zinc is electrochemically applied to the finished steel products.

### COMPARISON OF HOT DIPPED GALVANISED AND PRE-GALVANISED COATING IN VARIOUS ENVIRONMENTS

Anticipated Life Of Zinc Coating in Various Atmospheric Environments



Note:  
 1. Pre-Galvanised Zinc (ASTM A525 Coating Designation G90)  
 2. Hot Dipped Galvanised After Fabrication ASTM A123 (Formerly A386)



## Cable Capacity Guideline for Conduit

### What is the factor rating of a cable or wire?

Cable (or wire) resistance creates heat in operating circuits. This heat is a potential fire ignition hazard. Skinny wires have a lower allowable current ("ampacity") than fat wires, due to their greater resistance per unit length, and consequently greater heat generation per unit current.

The factor rating of a cable (or wire) depends on its ability to lose the heat produced in it by the current it carries and this depends to some extent on the way it is installed. A cable clipped to a surface will more easily be able to dissipate heat than a similar cable which is installed with others in a conduit. Because of this, cables installed in groups with others like, in a conduit are allowed to carry less current.

The following tables serve as a guideline calculation for the number of various sizes of single-core p.v.c insulated cables that can run through different sizes and lengths of steel conduit.

### 1 To determine Cable Capacities for Straight Runs not exceeding 3 meters in length

- From Table 1 below, obtain the cable factor for each type of cable being used.
- Sum up the cable factors and compare the conduit factors given in Table 2.
- The conduit sizes which will accommodate the selected cables are the size with a conduit factor equal to or greater than the sum of the selected cable factors.

### 2 To determine Cable Capacities for Straight Runs exceeding 3 meters in length or, runs of any length incorporating bends

- From Table 3 below, obtain the cable factor for each type of cable being used.
- Sum up the cable factors and compare the conduit factors given in Table 4.
- The conduit sizes which will accommodate the selected tables are the size with a conduit factor equal to, or greater than the sum of the selected cable factors.



**Table 1**  
Cable factors for short straight runs

Type of Conductor	Conductor cross-sectional area (mm <sup>2</sup> )	Cable Factor
Solid	1	22
	1.5	27
	2.5	39
Stranded	1.5	31
	2.5	43
	4	58
	6	88
	10	146

**Table 2**  
Conduit factors for short straight runs

Conduit OD (mm)	Conduit Factor
16	290
20	460
25	800
32	1400

**Table 3**  
Cable factors for long straight runs, or runs incorporating bends

Type of Conductor	Conductor cross-sectional area (mm <sup>2</sup> )	Cable Factor
Solid or Stranded	1	16
	1.5	22
	2.5	30
	4	43
	6	58
	10	105

**Table 4**  
Conduit factors for runs incorporating bends

Length of run Meters	CONDUIT DIAMETER, MM																			
	Straight				One bend				Two bends				Three bends				Four bends			
	16	20	25	32	16	20	25	32	16	20	25	32	16	20	25	32	16	20	25	32
1	Covered in Tables 1 and 2				188	303	543	947	177	286	514	900	158	256	463	818	130	213	388	692
1.5					182	294	528	923	167	270	487	857	143	233	422	750	111	182	333	600
2					177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529
2.5					171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474
3					167	270	487	857	143	233	422	750	111	182	333	600				
3.5	179	290	521	911	162	263	475	837	136	222	404	720	103	169	311	563				
4	177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529				
4.5	174	282	507	889	154	250	452	800	125	204	373	667	91	149	275	500				
5	171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474				
6	167	270	487	857	143	233	422	750	111	182	333	600								
7	162	263	475	837	136	222	404	720	103	169	311	563								
8	158	256	463	818	130	213	388	692	97	159	292	529								
9	154	250	452	800	125	204	373	667	91	149	275	500								
10	150	244	442	783	120	196	358	643	86	141	260	474								





Manufactured in accordance with  
**BS 31 / BS 4568-1 / BS EN 50086-2-1 /  
 BS EN 61386-21** where applicable.  
 Threaded both ends. One end fitted with  
 coupling and the other protected by thread  
 protector.



**BS 4568-1 / BS EN 50086-2-1 / BS EN 61386-21**  
 Class 4 Finish / Heavy Protection  
 Hot Dipped Galvanised Inside and Outside  
 3.75 Meter Length  
 Wall Thickness Tolerance :  $\pm 0.15\text{mm}$

Item Code	Outside Diameter	Nominal Wall Thickness (mm)	Approximate Weight Per Length (kgs)
C-RX-B020H	20mm	1.60	2.722
C-RX-B025H	25mm	1.60	3.462
C-RX-B032H	32mm	1.60	4.631

**BS 31**  
 Class 4 Finish / Heavy Protection  
 Hot Dipped Galvanised Inside and Outside  
 3.75 Meter Length  
 Wall Thickness Tolerance :  $\pm 0.15\text{mm}$

Item Code	Outside Diameter	Nominal Wall Thickness (mm)	Approximate Weight Per Length (kgs)
C-RX-B038H	1-1/2"(38mm)	1.83	6.138
C-RX-B050H	2"(50mm)	2.03	9.155

## REXWAY Compliance Standards

### Steel Conduits

- BS 31
- BS 4568-1
- BS EN 50086-1
- BS EN 50086-2-1
- BS EN 61386-21

### Fittings & Accessories

- BS 31
- BS 4568-2
- BS EN 50086-1
- BS EN 50086-2-1
- BS EN 61386-21

### Flexible Conduit

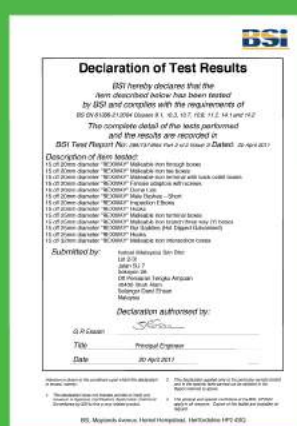
- BS 731
- BS EN 50086-2-3
- BS EN 61386-23

### Switch & Socket Boxes

- BS 4662

\*Also Available

- a) Rigid Metal Conduit To ANSI C80.1
- b) Intermediate Metal Tubing To ANSI C80.6
- c) Electrical Metallic Tubing To ANSI C80.3







**REXWAY** conduit boxes are custom manufactured from malleable iron. Malleable iron after casting is subjected to annealing which is a controlled heating and cooling exercise – among other reactions, this process removes carbon from the casting. It is the presence of carbon in cast iron which causes its brittleness and removing an amount makes the casting stronger or more “malleable”.

Malleable and cast iron look very similar, thus the choice between malleable and cast iron is often based on economy rather than properties. In the application of conduit fittings it is important that they do not crack when faced with any external impact because it will compromise the entire cable management systems grounding conductor and EMI shielding capabilities as well as leave the encased circuit damaged or exposed!

**REXWAY** malleable cast iron conduit boxes have many distinct advantages:

- Fittings retain good impact resistance, even at low temperatures, and
- Fittings possess high wear resistance.

After casting, annealing and cooling, **REXWAY** conduit boxes are hot dipped galvanised in a molten zinc bath. HDG is widely regarded as offering the most superior of corrosion protection available because the zinc coating is very difficult to compromise.

The strictest quality control ensures **REXWAY** malleable cast iron conduit boxes are all precision threaded. This ensures a straight continuous conduit line. The perpendicular thread finish also facilitates minimum installation times.



*Sand Casting Process*





## BOXES - CIRCULAR

- 60.3mm internal diameter x 25mm deep for 20mm and 28mm deep for 25mm. 81mm internal diameter x 38mm deep for 32mm. 81mm internal diameter x 48mm deep for 1-1/2". 81mm Internal diameter x 62.5mm deep for 2".
- Tapped M4 at 50.8mm centres for 20mm & 25mm. Tapped M4 at 71.5mm centres for 32mm, 1-1/2" and 2". With tapped hold in base for earthing screw.
- Supplied without covers or fixing screws.



### Terminal

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L101	20	100
RX-L301	25	100
RX-L501	32	50
RX-L701	1-1/2"	20
RX-L901	2"	20



### Angle

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L102	20	100
RX-L302	25	100
RX-L502	32	50
RX-L702	1-1/2"	20
RX-L902	2"	20



### Through

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L103	20	100
RX-L303	25	100
RX-L503	32	50
RX-L703	1-1/2"	20
RX-L903	2"	20



### Tee

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L104	20	100
RX-L304	25	100
RX-L504	32	50
RX-L704	1-1/2"	20
RX-L904	2"	10



### Intersection

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L105	20	100
RX-L305	25	100
RX-L505	32	50
RX-L705	1-1/2"	10
RX-L905	2"	10



### Branch Two Way (U)

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L106	20	100
RX-L306	25	100
RX-L506	32	50



### Twin Through Way (H)

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L107	20	100
RX-L307	25	100
RX-L507	32	50



### Branch Three Way (Y)

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L109	20	100
RX-L309	25	100
RX-L509	32	50





## Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L120	20	100
RX-L320	25	100
RX-L520	32	50



## Terminal With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L121	20	100
RX-L321	25	100
RX-L521	32	50



## Angle With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L122	20	100
RX-L322	25	100
RX-L522	32	50



## Through With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L123	20	100
RX-L323	25	100
RX-L523	32	50



## Tee With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L124	20	100
RX-L324	25	100
RX-L524	32	50



## Intersection With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L125	20	100
RX-L325	25	100
RX-L525	32	50



## Branch Two Way (U) With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L126	20	100
RX-L326	25	100
RX-L526	32	50



## Twin Through Way (H) With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L127	20	100
RX-L327	25	100
RX-L527	32	50



## Branch Three Way (Y) With Back Outlet

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L129	20	100
RX-L329	25	100
RX-L529	32	50



## BOXES - LOOPING IN



### Looping In Box

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Hole (mm)	Pcs/Carton
RX-L110-1	20	120
RX-L110-2	20	120
RX-L110-3	20	120
RX-L110-4	20	120
RX-L125-1	25	100
RX-L125-2	25	100

## RINGS



### Circular Box Extension Ring

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Height (mm)	Pcs/Carton
RX-L111-13	13	300
RX-L111-16	16	300
RX-L111-20	20	300
RX-L111-25	25	200
RX-L111-32	32	120
RX-L111-38	1-1/2"	120

\*For Circular Box of 20mm & 25mm

## RUBBER GASKETS



### Rubber Gasket For Circular Box

Item Code	Size (mm)	Pcs/Carton
RX-B191	20 & 25	2,500
RX-B199	32, 1-1/2", 2"	500

## COVERS



### Circular Box Cover

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C291	20 & 25	500
RX-C299	32, 1-1/2", 2"	250

Material : Steel  
Pre-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C191	20 & 25	500
RX-C199	32, 1-1/2", 2"	250



### Hook

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-D148	20 & 25	300



### Ball & Socket, Earthed

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-D149	20	200
RX-D150	25	200



### Dome Lid

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-D146	20	300
RX-D145	25	300



## COUPLING



### Coupling

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C140	20	1,000
RX-C141	25	500
RX-C142	32	400
RX-C143	1-1/2"	300
RX-C144	2"	100



### Expansion Coupling

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C208S	20	200
RX-C258S	25	200
RX-C328S	32	50
RX-C388S	1-1/2"	100
RX-C508S	2"	50



### Flange Coupling With Lead Washer & Long Male Bush

Material  
: Steel - size 20mm & 25mm  
(for Flange Coupling & Lead Washer)  
: Malleable Iron - size 32mm  
(for Flange Coupling & Lead Washer)  
: Brass (Long Male Bush)  
Hot Dipped Galvanised  
(for Flange Coupling & Lead Washer)

Item Code	Size (mm)	Pcs/Carton
RX-C220	20	200
RX-C225	25	200
RX-C232	32	100



### Coupling with Earthing Lug

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C320	20	1,000
RX-C325	25	500
RX-C332	32	400



### Short Nipple

Material : Steel  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-B2033S	20	1,000
RX-B2536S	25	750
RX-B3243S	32	500



### Long Nipple 300mm Long

Material : Steel  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-BD20300	20	100
RX-BD25300	25	75
RX-BD32300	32	50



## BENDS



### Inspection Elbow

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C121	20	100
RX-C221	25	100
RX-C321	32	50



### Inspection Bend

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C122	20	100
RX-C222	25	100
RX-C322	32	50



### Inspection Tee

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C123	20	100
RX-C223	25	100
RX-C323	32	50



### 90° Normal Bend, Internal Thread

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-C124	20	100
RX-C224	25	60
RX-C324	32	50
RX-C424	1-1/2"	40
RX-C524	2"	20

## PLUGS



### Stopping Plug Hexagonal Head

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-MI120H	20	1,000
RX-MI125H	25	500
RX-MI132H	32	500



### Stopping Plug Slotted Head

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-BS120R	20	2,000
RX-BS125R	25	1,000
RX-BS132R	32	500



## SADDLES



### Half Saddle

Material : Steel Plate  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPH20HS	20	2,000
RX-SPH25HS	25	2,000
RX-SPH32HS	32	1,500



### Plain Saddle

Material : Steel Plate  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPO20HS	20	2,000
RX-SPO25HS	25	1,500
RX-SPO32HS	32	1,000



### Bar Saddle

Material : Steel Plate  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPS20HS	20	1,000
RX-SPS25HS	25	1,000
RX-SPS32HS	32	500
RX-SPS38HS	1-1/2"	400
RX-SPS50HS	2"	200

Material : Steel Plate  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPH20	20	2,000
RX-SPH25	25	2,000
RX-SPH32	32	1,500

Material : Steel Plate  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPO20	20	2,000
RX-SPO25	25	1,500
RX-SPO32	32	1,000

Material : Steel Plate  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SPS20	20	1,000
RX-SPS25	25	1,000
RX-SPS32	32	500
RX-SPS38	1-1/2"	400
RX-SPS50	2"	200



### Distance Saddle

Material : Steel Plate  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SP20	20	500
RX-SP25	25	300
RX-SP32	32	200
RX-SP38	1-1/2"	160
RX-SP50	2"	120

## REDUCERS



### Reducer

Material : Malleable Iron  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-M401H	20 x 25	1,000
RX-M402H	25 x 32	500
RX-M403H	20 x 32	500

## LOCKNUTS



### Hexagonal Locknut-Light

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L181S	20 x 3 (t)	3,000
RX-L182S	25 x 3 (t)	2,000
RX-L183S	32 x 3 (t)	1,500
RX-L187S	1-1/2" x 3 (t)	1,000
RX-L188S	2" x 3 (t)	500

### Hexagonal Locknut-Heavy

Material : Steel  
Hot Dipped Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L184S	20 x 6 (t)	2,000
RX-L185S	25 x 6 (t)	1,000
RX-L186S	32 x 6 (t)	1,000
RX-L189S	1-1/2" x 6 (t)	1,000
RX-L190S	2" x 6 (t)	500

### Locking Ring

Material : Steel  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-SLR20EG	20	5,000
RX-SLR25EG	25	3,000
RX-SLR32EG	32	2,000

Material : Steel Plate  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L181EG	20 x 3 (t)	3,000
RX-L182EG	25 x 3 (t)	2,000
RX-L183EG	32 x 3 (t)	1,500
RX-L187EG	1-1/2" x 3 (t)	1,000
RX-L188EG	2" x 3 (t)	500

Material : Steel  
Electro-Galvanised

Item Code	Size (mm)	Pcs/Carton
RX-L184EG	20 x 6 (t)	2,000
RX-L185EG	25 x 6 (t)	1,000
RX-L186EG	32 x 6 (t)	1,000
RX-L189EG	1-1/2" x 6 (t)	1,000
RX-L190EG	2" x 6 (t)	500

## BUSHES



### Male Bush - Short

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-BB120S	20	2,000
RX-BB125S	25	1,000
RX-BB132S	32	1,000
RX-BB138S	1-1/2"	500
RX-BB150S	2"	250

### Male Bush - Long

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-BB120L	20	2,000
RX-BB125L	25	1,000
RX-BB132L	32	500
RX-BB138L	1-1/2"	300
RX-BB150L	2"	200

### Female Bush

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-B272	20	3,000
RX-B273	25	3,000
RX-B274	32	1,500
RX-B275	1-1/2"	500
RX-B276	2"	500



## FLEXIBLE CONDUIT



### Flexible Conduit With PVC

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

Item Code	Size (mm)	Meter/Roll
RX-KSPS20-50M	20	50
RX-KSPS25-50M	25	50
RX-KSPS32-25M	32	25
RX-KSPS38-25M	1-1/2"	25
RX-KSPS50-25M	2"	25



### Flexible Conduit Low Smoke Zero Halogen

Material : Steel Core (for Flexible Conduit)  
Low Smoke Zero Halogen (for Sheath)  
Electro-Galvanised (for Flexible Conduit)

Item Code	Size (mm)	Meter/Roll
RX-KSLH20-50M	20	50
RX-KSLH25-50M	25	50
RX-KSLH32-25M	32	25
RX-KSLH38-25M	1-1/2"	25
RX-KSLH50-25M	2"	25

\* Also tested to IEC 60754-1, IEC 61034-2 & IEC 60695-2-11



### Flexible Conduit Without PVC

Material : Steel Core  
Electro-Galvanised

Item Code	Size (mm)	Meter/Roll
RX-KSM20-50M	20	50
RX-KSM25-50M	25	50
RX-KSM32-25M	32	25
RX-KSM38-25M	1-1/2"	25
RX-KSM50-25M	2"	25



### Flexible Conduit Liquidtight

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

Item Code	Size (mm)	Meter/Roll
RX-KSLT20-50M	20	50
RX-KSLT25-50M	25	50
RX-KSLT32-25M	32	25
RX-KSLT38-25M	1-1/2"	25
RX-KSLT50-25M	2"	25

## ADAPTORS



### Male Adaptor With Screw

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-BB20MS	20 x 20	1,000
RX-BB25MS	25 x 25	400
RX-BB32MS	32 x 32	200
RX-BB38MS	1-1/2" x 1-1/2"	160
RX-BB50MS	2" x 2"	80



### Female Adaptor With Screw

Material : Brass

Item Code	Size (mm)	Pcs/Carton
RX-BB20FS	20 x 20	1,000
RX-BB25FS	25 x 25	400
RX-BB32FS	32 x 32	200
RX-BB38FS	1-1/2" x 1-1/2"	160
RX-BB50FS	2" x 2"	80



### IP65 Waterproof Straight Male Connector

Material : Nickel Plated Brass

Item Code	Size (mm)	Pcs/Carton
RX-N20MW	20	200
RX-N25MW	25	150
RX-N32MW	32	100
RX-N38MW	1-1/2"	100
RX-N50MW	2"	50



### Fixed Two Part Male Adaptor

Material : Nickel Plated Brass

Item Code	Size (mm)	Pcs/Carton
RX-N20MFX	20	500
RX-N25MFX	25	350
RX-N32MFX	32	200
RX-N40MFX	1-1/2"	100
RX-N50MFX	2"	50



### Swivel Two Part Male Adaptor

Material : Nickel Plated Brass

Item Code	Size (mm)	Pcs/Carton
RX-N20MSV	20	500
RX-N25MSV	25	350
RX-N32MSV	32	200
RX-N40MSV	1-1/2"	100
RX-N50MSV	2"	50



### Liquidtight Fixed Male Connector

Material : Die Cast Zinc

Item Code	Size (mm)	Pcs/Carton
RX-N20MLF	20	600
RX-N25MLF	25	360
RX-N32MLF	32	180
RX-N38MLF	1-1/2"	100
RX-N50MLF	2"	50



## BS 4662

# SWITCH & SOCKET BOXES

## One Gang

Material : Steel Plate  
Pre-Galvanised

Item Code	Size (mm) (L x W x H x T)	Knockout's	Pcs/Carton
RX-P12510	72 x 72 x 25 x 1.0	12 x 20mm	200
RX-P12512	72 x 72 x 25 x 1.2	12 x 20mm	200
RX-P13510	72 x 72 x 35 x 1.0	7 x 20mm, 4 x 25mm	200
RX-P13512	72 x 72 x 35 x 1.2	7 x 20mm, 4 x 25mm	200
RX-P14710	72 x 72 x 47 x 1.0	10 x 20mm, 1 x 25mm	100
RX-P14712	72 x 72 x 47 x 1.2	10 x 20mm, 1 x 25mm	100

\*All above come with one brass earth terminal, one adjustable and three fixed lugs  
\*Other specifications and thickness can be supplied upon request



## Two Gang

Material : Steel Plate  
Pre-Galvanised

Item Code	Size (mm) (L x W x H x T)	Knockout's	Pcs/Carton
RX-P22510	132 x 72 x 25 x 1.0	16 x 20mm	100
RX-P22512	132 x 72 x 25 x 1.2	16 x 20mm	100
RX-P23510	132 x 72 x 35 x 1.0	13 x 20mm, 3 x 25mm	100
RX-P23512	132 x 72 x 35 x 1.2	13 x 20mm, 3 x 25mm	100
RX-P24710	132 x 72 x 47 x 1.0	10 x 20mm, 6 x 25mm	100
RX-P24712	132 x 72 x 47 x 1.2	10 x 20mm, 6 x 25mm	100

\*All above come with one brass earth terminal, one adjustable and one fixed lug  
\*Other specifications and thickness can be supplied upon request



## BS 4568-2 / BS EN 50086-1 / BS EN 50086-2-1 / BS EN 61386-21

# ADAPTABLE BOXES

## Adaptable Box With Screw & Cover

Material : Steel Plate  
Pre-Galvanised

Item Code	Size (mm) (L x W x H)	Pcs/Carton
RX-KB075-37-SC	75 x 75 x 37.5	100
RX-KB075-50-SC	75 x 75 x 50	100
RX-KB100-37-SC	100 x 100 x 37.5	100
RX-KB100-50-SC	100 x 100 x 50	80
RX-KB100-75-SC	100 x 100 x 75	60
RX-KB150-75-SC	150 x 150 x 75	20
RX-KB150-100-SC	150 x 150 x 100	20
RX-KB225-75-SC	225 x 225 x 75	10
RX-KB225-100-SC	225 x 225 x 100	5
RX-KB300-100-SC	300 x 300 x 100	5



## TOOLS

### Die Set

Item Code	Description	Sets/Carton
RX-DS2025	One complete 20mm & 25mm Die Set contains: <ul style="list-style-type: none"> <li>• 1 x Die for 20mm</li> <li>• 1 x Die for 25mm</li> <li>• 1 x Die Guide for 20mm</li> <li>• 1 x Die Guide for 25mm</li> <li>• 1 x Die Stock per set with detachable handle</li> </ul>	20
RX-DS0032	One complete 32mm Die Set contains: <ul style="list-style-type: none"> <li>• 1 x Die for 32mm</li> <li>• 1 x Die Guide for 32mm</li> <li>• 1 x Die Stock per set with detachable handle</li> </ul>	6



### Conduit Bender

Item Code	Description	Set/Carton
RX-BSBENDER020-025	One complete BS4568 Conduit Bender includes: <ul style="list-style-type: none"> <li>• 1 x Bender Body</li> <li>• 1 x Former for 20mm</li> <li>• 1 x Former for 25mm</li> <li>• 1 x Pipe Vice</li> <li>• 1 x Extension Handle</li> </ul>	1
RX-BSBENDER020-032	One complete BS4568 Conduit Bender includes: <ul style="list-style-type: none"> <li>• 1 x Bender Body</li> <li>• 1 x Former for 20mm</li> <li>• 1 x Former for 25mm</li> <li>• 1 x Former for 32mm</li> <li>• 1 x Pipe Vice</li> <li>• 1 x Extension Handle</li> </ul>	1

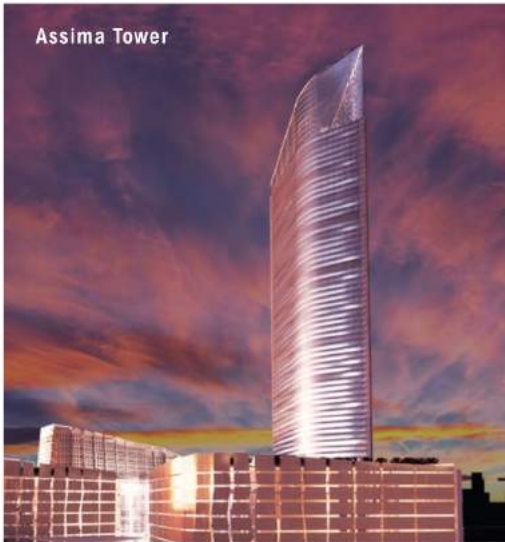


### Cable Carrier Stand

Item Code	Description	Sets/Carton
RX-CABLECARRIER	Lightweight Cable Carrier Stand includes 5 pcs crocodile clips	5















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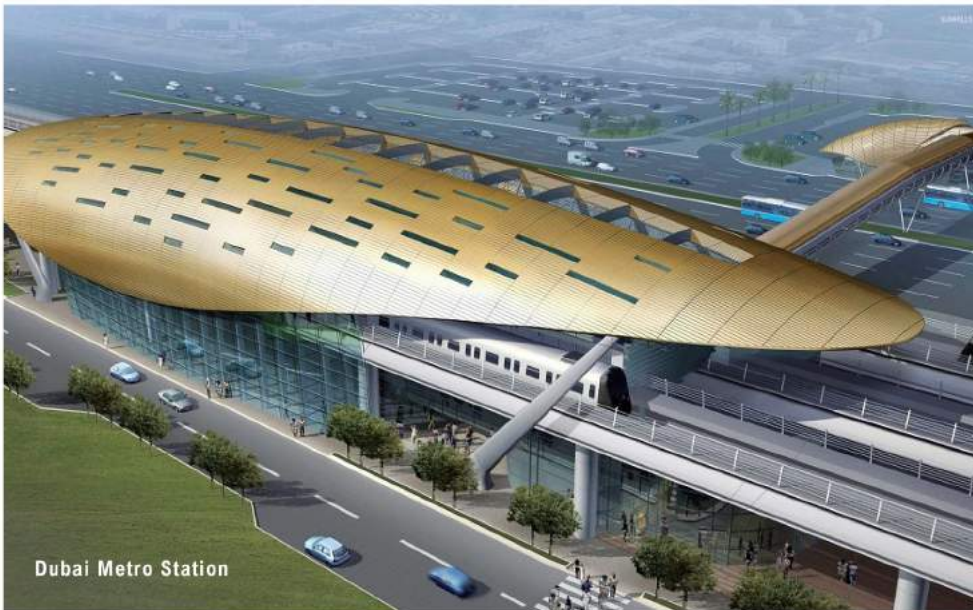
Ajman City Centre - Expansion



Dubai International Airport Expansion (Phase III)



Arabian Ranches II Development - Storm Water Drainage & Pumping Station



Dubai Metro Station



St. Regis Amman Hotel

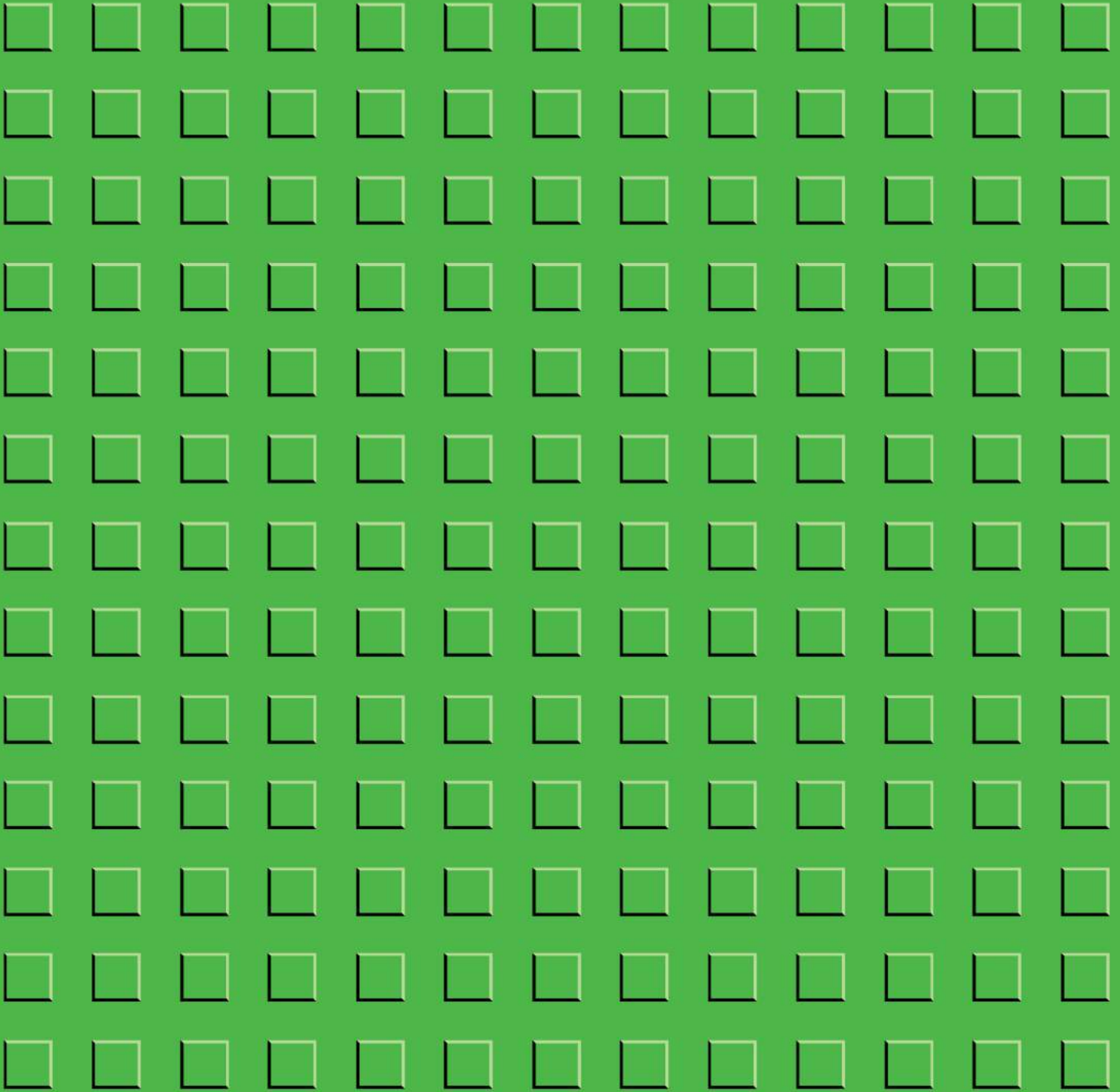


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