



## CONDUIT, FITTINGS & SADDLES

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# GALVANISED CONDUIT

**Applications.** Steel conduit protects electrical conductors against mechanical and electrical damage and provides excellent grounding for Electro Magnetic Interference (EMI) that could hurt the performance of nearby computers and other electronic equipment.

### THE BENEFITS 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
- ▶ Manufactured for long life
- ▶ The quickest and most efficient changeover or upgrading of electrical circuits
- ▶ Non-combustibility which inhibits the spread of fire
- ▶ Fully recyclable

### PRODUCT FEATURES:

Steel conduit provides the best protection for wiring sophisticated control systems.

EMI is an issue that should be considered in planning new facilities where sophisticated electronic and mechanical equipment will be operated.

Steel conduits can reduce EMF by as much as 95%. By comparison, aluminium conduit can reduce EMF by just 10%. Non-metallic conduit is ineffective in reducing field levels.

While some designers attempt to save their clients money by basing the selection of a wiring system only on initial cost, that approach fails to capitalise on steel conduits significant long-term advantages, one of which is not having to retrofit to provide EMI shieldings.

**Temperature Range** -50C to 300C.

**Relevant Standards** AS/NZS 2053:7.

**Thread** BS Standard pitch 1.5mm.

## GCCONHDG

Conduit - Hot Dipped Galvanised Steel  
(4m Lengths)



Heavy protection welded steel electrical conduit, screwed both ends with one end complete with plain coupling. Hot dipped galvanised steel conduit is used in applications where mechanical strength is required in corrosive environments or to conform to specific requirements.

Code	Size	Nominal Thickness
<b>GCCONHDG20</b>	20mm (OD)	1.6mm
<b>GCCONHDG25</b>	25mm (OD)	1.8mm
<b>GCCONHDG32</b>	32mm (OD)	1.8mm
<b>GCCONHDG40</b>	40mm (OD)	1.8mm
<b>GCCONHDG50</b>	50mm (OD)	2.0mm

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# NICKEL COATED BRASS ADAPTORS

## (NO THREADING REQUIRED)

**BS standard pitch thread 1.5mm.** A no-threading alternative for installing galvanised steel conduit. A new alternative way to install galvanised steel conduit with no threading! Install galvanised steel conduit faster with the new adaptors from Firstflex cables. Reduction in tooling and threading time. Tested and approved to AS/NZS 2053:7

### INSTRUCTIONS:

1. Cut conduit to required length.
2. Wipe surfaces to be joined.
3. Apply recommended MTA001 adhesive to the outer surface of the conduit (Permabond A1046 / Loctite 510/638 or equivalent).
4. Adaptors may be pressed onto the conduit by hand, or tapped on. Ensure that the conduit passes the dimple – this maintains a constant earth.
5. Job complete!

## GCMTA

Male Thread to Female Plain Metal Adaptor



Code	Size
GCMTA 20	20mm
GCMTA 25	25mm
GCMTA 32	32mm
GCMTA 40	40mm
GCMTA 50	50mm

## GCMTA 001

Adhesive

Code	Size
GCMTA 001 ADHESIVE	50ml, 100 Joints



## GCFTA

Female Thread to Female Plain Metal Adaptor



Code	Size
GCFTA 20	20mm
GCFTA 25	25mm
GCFTA 32	32mm
GCFTA 40	40mm

## GCFPC

Female Plain to Female Plain Metal Adaptor



Code	Size
GCFPC 20	20mm
GCFPC 25	25mm
GCFPC 32	32mm
GCFPC 40	40mm
GCFPC 50	50mm

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## GALVANISED FITTINGS (THREADED TYPE)

### GCPB

Galvanised Plain 90° Bends



Code	Size
GCPB 20	20mm
GCPB 25	25mm
GCPB 32	32mm
GCPB 40	40mm
GCPB 50	50mm

### GCIB

Galvanised Inspection 90° Bends



Code	Size
GCIB 20	20mm
GCIB 25	25mm
GCIB 32	32mm
GCIB 40	40mm
GCIB 50	50mm

### GCPE

Galvanised Plain 90° Elbows



Code	Size
GCPE 20	20mm
GCPE 25	25mm
GCPE 32	32mm

### GCIE

Galvanised Inspection 90° Elbows



Code	Size
GCIE 20	20mm
GCIE 25	25mm
GCIE 32	32mm

### GCIT

Galvanised Inspection Tees



Code	Size
GCIT 20	20mm
GCIT 25	25mm
GCIT 32	32mm
GCIT 40	40mm
GCIT 50	50mm

### GCJB ANGLED

Galvanised Junction Boxes Angled  
C/W Lid & Screws



Code	Size
GCJB 20/A	20mm Angled
GCJB 25/A	25mm Angled
GCJB 32/A	32mm Angled
GCJB 40/A	40mm Angled
GCJB 50/A	50mm Angled

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## GCJB 1 WAY

Galvanised Junction Boxes 1 Way  
C/W Lid & Screws



Code	Size
GCJB 20/1	20mm 1 Way
GCJB 25/1	25mm 1 Way
GCJB 32/1	32mm 1 Way
GCJB 40/1	40mm 1 Way
GCJB 50/1	50mm 1 Way

## GCJB 2 WAY

Galvanised Junction Boxes 2 Way  
C/W Lid & Screws



Code	Size
GCJB 20/2	20mm 2 Way
GCJB 25/2	25mm 2 Way
GCJB 32/2	32mm 2 Way
GCJB 40/2	40mm 2 Way
GCJB 50/2	50mm 2 Way

## GCJB 3 WAY

Galvanised Junction Boxes 3 Way  
C/W Lid & Screws



Code	Size
GCJB 20/3	20mm 3 Way
GCJB 25/3	25mm 3 Way
GCJB 32/3	32mm 3 Way
GCJB 40/3	40mm 3 Way
GCJB 50/3	50mm 3 Way

## GCJB 4 WAY

Galvanised Junction Boxes 4 Way  
C/W Lid & Screws



Code	Size
GCJB 20/4	20mm 4 Way
GCJB 25/4	25mm 4 Way
GCJB 32/4	32mm 4 Way
GCJB 40/4	40mm 4 Way
GCJB 50/4	50mm 4 Way

## GCHS

Galvanised Hospital Saddles



Code	Size	Approx. Standoff
GCHS 20	20mm	12mm
GCHS 25	25mm	13mm
GCHS 32	32mm	14mm
GCHS 40	40mm	15mm
GCHS 50	50mm	16mm

## GCHSHD

Galvanised Distance Saddles



Code	Size	Approx. Standoff
GCHSHD 20	20mm	8mm
GCHSHD 25	25mm	8mm
GCHSHD 32	32mm	8mm
GCHSHD 40	40mm	12mm
GCHSHD 50	50mm	12mm



## GALVANISED FITTINGS

### GCLN

Galvanised Locknuts



Code	Size
<b>GCLN 16</b>	16mm
<b>GCLN 20</b>	20mm
<b>GCLN 25</b>	25mm
<b>GCLN 32</b>	32mm
<b>GCLN 40</b>	40mm
<b>GCLN 50</b>	50mm

### GCBL

Galvanised Box Lids + Screws



Code	Size	
<b>GCBL S</b>	Small lid 20/25mm, 2 screws	Small galvanised box lid (for 20/25mm junction box)
<b>GCBL L</b>	Large lid 32/40/50mm, 4 screws	Large galvanised box lid (for 32/40/50mm junction box)
<b>GCJBS S</b>	Small screw for box lid	Screw - small
<b>GCJBS L</b>	Large screw for box lid	Screw - large

### GCRG

Rubber Gasket



Code	Size
<b>GCRGS Small</b>	20/25mm
<b>GCRGL Large</b>	32/40/50mm

### GCPP

Galvanised Pendant Plate (Dome Cover)



Code	Size
<b>GCPP 20</b>	20mm
<b>GCPP 25</b>	25mm

### GCP

Galvanised Hex Plugs



Code	Size
<b>GCP 20</b>	20mm
<b>GCP 25</b>	25mm
<b>GCP 32</b>	32mm
<b>GCP 40</b>	40mm
<b>GCP 50</b>	50mm

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## GCN

### Galvanised Nipples



Code	Size
<b>GCN 16</b>	16mm
<b>GCN 20</b>	20mm
<b>GCN 25</b>	25mm
<b>GCN 32</b>	32mm
<b>GCN 40</b>	40mm
<b>GCN 50</b>	50mm

## GCHOOK

### Galvanised Hook



Code	Size
<b>GCHOOK 20</b>	20mm

## GCPC

### Galvanised Plain Couplings



Code	Size
<b>GCPC 20</b>	20mm
<b>GCPC 25</b>	25mm
<b>GCPC 32</b>	32mm
<b>GCPC 40</b>	40mm
<b>GCPC 50</b>	50mm

## GCR

### Galvanised Hex Reducers



Code	Size
<b>GCR 20-16</b>	20-16mm
<b>GCR 25-20</b>	25-20mm
<b>GCR 32-25</b>	32-25mm
<b>GCR 40-32</b>	40-32mm
<b>GCR 50-40</b>	50-40mm
<b>GCR 63-50</b>	63-50mm

## CONDUIT, FITTINGS & SADDLES

### GCFB

Brass Female Bush (Ring)



Code	Size
GCFB 20	20mm
GCFB 25	25mm
GCFB 32	32mm
GCFB 40	40mm
GCFB 50	50mm

### GCMB

Brass Male Bush (Smooth Bore)



Code	Size
GCMB 20	20mm
GCMB 25	25mm
GCMB 32	32mm
GCMB 40	40mm
GCMB 50	50mm

### GCBEND

Galvanised Conduit Bender Set



Code	Size	Description
GCBENDSET20	20mm	20mm bender head and handle set
GCBENDSET25	25mm	25mm bender head and handle set

### GCSTOCKDIE

Stock & Die Set (C/W Dies & Guides)  
- for Galvanised Conduit



Code	Size
STOCKDIE20/25	20/25mm
STOCKDIE32	32mm

### GCDIE

Spare Die only  
- for Galvanised Conduit



Code	Size
GCDIE 20	20mm
GCDIE 25	25mm
GCDIE 32	32mm

### GCGUIDE

Spare Guide only  
- for Galvanised Conduit Die



Code	Size
GCGUIDE 20	20mm
GCGUIDE 25	25mm
GCGUIDE 32	32mm

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# GALVANISED FLEXIBLE CONDUIT & FITTINGS

## GFC SERIES

Flexible Metal Conduit  
Galvanised Steel Bare IP40



### APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables.

### PRODUCT FEATURES:

- ▶ High mechanical strength
- ▶ Halogen free
- ▶ Low fire hazard

### CONSTRUCTION:

Highly flexible helically wound galvanised steel.

### CHARACTERISTICS:

**Operating Temperature Range** -40°C to 300°C.

**Protection Class** IP40.

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
<b>GFC16</b>	Galvanised	20	16	40	50	1
<b>GFC20</b>	Galvanised	24	20	45	50	1
<b>GFC25</b>	Galvanised	30	25	55	50	1
<b>GFC32</b>	Galvanised	37	32	70	25	1
<b>GFC40</b>	Galvanised	45	40	80	25	1

## CONDUIT, FITTINGS & SADDLES

### GFCP SERIES

Flexible Metal Conduit  
Galvanised Steel PVC Coated IP65



#### APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables. The PVC coating offers an IP65 rating when used in conjunction with our galvanised flexi-conduit connectors.

#### PRODUCT FEATURES:

- ▶ High mechanical strength
- ▶ Superior oil, grease and weather resistant
- ▶ UV stabilised

#### CONSTRUCTION:

Highly flexible helically wound galvanised steel coated with PVC for higher IP rating.

#### CHARACTERISTICS:

**Operating Temperature Range** -20°C to 50°C.

**Protection Class** IP65.

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
GFCP16	Black	20	16	40	50	1
GFCP20	Black	24	20	45	50	1
GFCP25	Black	30	25	55	50	1
GFCP32	Black	37	32	70	25	1
GFCP40	Black	45	40	80	25	1

## GFCLT SERIES

Liquid Tight Flexible Metal Conduit  
Galvanised Steel PVC Coated IP68



### APPLICATIONS:

For use in connecting machinery in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables. The PVC coating offers an IP68 rating when used in conjunction with our galvanised flexi-conduit connectors.

### PRODUCT FEATURES:

- ▶ High mechanical strength
- ▶ Superior oil, grease and weather resistance
- ▶ UV stabilised

### CONSTRUCTION:

Highly flexible helically wound galvanised steel coated with liquid tight PVC for higher IP rating.

### CHARACTERISTICS:

**Operating Temperature Range** -20°C to 50°C.

**Protection Class** IP68.

Code	Colour	OD (Approx) (mm)	ID (Approx) (mm)	Minimum Bending Radius (mm)	Role Length (m)	Minimum Quantity Length (m)
GFCLT16	Black	20.4	15.6	120	50	1
GFCLT20	Black	24.4	19.6	150	50	1
GFCLT25	Black	31.0	24.5	180	50	1
GFCLT32	Black	39.0	31.5	250	25	1
GFCLT40	Black	47.0	40.0	300	25	1

## CONDUIT, FITTINGS & SADDLES

### GFCS SERIES

**Straight Connectors IP65**  
**Nickel Coated Brass**



#### APPLICATIONS:

For connections of flexible galvanised conduit in processing plants and areas subject to sparks, heat and environments where external hazards may cause damage to cables.

#### CONSTRUCTION:

Nickel coated brass connector complete with elastometric compression seal to give an IP65 rating when combined with PVC coated flexible conduit.

#### CHARACTERISTICS:

**Operating Temperature Range** -20°C to 80°C.

**Protection Class** IP65 (When connected to PVC coated flexible conduit).

Code	Colour	Thread Size
GFCS16	Nickel plated	M16 x 1.5
GFCS20	Nickel plated	M20 x 1.5
GFCS25	Nickel plated	M25 x 1.5
GFCS32	Nickel plated	M32 x 1.5
GFCS40	Nickel plated	M40 x 1.5

# GALVANISED & STAINLESS STEEL SADDLES



## SGC

### Galvanised Saddles



Code	Size	Qty per box
<b>SGC10</b>	10mm	100
<b>SGC12</b>	12mm	100
<b>SGC16</b>	16mm	100
<b>SGC20</b>	20mm	100
<b>SGC25</b>	25mm	100
<b>SGC32</b>	32mm	100
<b>SGC40</b>	40mm	100
<b>SGC50</b>	50mm	50
<b>SGC65</b>	65mm	25
<b>SGC80</b>	80mm	25

Saddles are galvanised by the process of electroplating.

## HSG

### Galvanised Half Saddles



Code	Size	Qty per box
<b>HSG16</b>	16mm	100
<b>HSG20</b>	20mm	100
<b>HSG25</b>	25mm	100
<b>HSG32</b>	32mm	100
<b>HSG40</b>	40mm	50
<b>HSG50</b>	50mm	20

Saddles are galvanised by the process of electroplating.

## SSC

### Stainless Steel Saddles



Code	Size	Qty per box
<b>SSC12</b>	12mm	100
<b>SSC16</b>	16mm	100
<b>SSC20</b>	20mm	100
<b>SSC25</b>	25mm	100
<b>SSC32</b>	32mm	100
<b>SSC40</b>	40mm	50
<b>SSC50</b>	50mm	50

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## HSS

### Stainless Steel Half Saddles



Code	Size	Qty per box
<b>HSS20</b>	20mm	50
<b>HSS25</b>	25mm	50
<b>HSS32</b>	32mm	50

Made from Stainless Steel Grade 304 - Finish 2B.