



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 |
|-------------------|-----------|-------------------|
| GCCONHDG20 | 20mm (OD) | 1.6mm |
| GCCONHDG25 | 25mm (OD) | 1.8mm |
| GCCONHDG32 | 32mm (OD) | 1.8mm |
| GCCONHDG40 | 40mm (OD) | 1.8mm |
| GCCONHDG50 | 50mm (OD) | 2.0mm |

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GALVANISED FITTINGS (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 (Permagbond 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
(10mm Stand Off)



| Code | Size | mm Off Wall |
|---------|------|-------------|
| GCHS 20 | 20mm | 8.8 |
| GCHS 25 | 25mm | 9.0 |
| GCHS 32 | 32mm | 12.0 |
| GCHS 40 | 40mm | 12.7 |
| GCHS 50 | 50mm | 14.0 |

GCHSHD

Galvanised Distance Saddles
(5mm Stand Off)



| Code | Size |
|-----------|------|
| GCHSHD 20 | 20mm |
| GCHSHD 25 | 25mm |

Note: All products on this page are IP65 when fitted with rubber gasket - GCRG.

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GALVANISED FITTINGS

GCLN

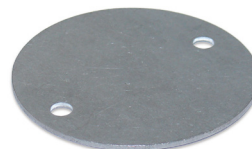
Galvanised Locknuts



| Code | Size |
|----------------|------|
| GCLN 16 | 16mm |
| GCLN 20 | 20mm |
| GCLN 25 | 25mm |
| GCLN 32 | 32mm |
| GCLN 40 | 40mm |
| GCLN 50 | 50mm |

GCBL

Galvanised Box Lids + Screws



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

GCRG

Rubber Gasket



| Code | Size |
|--------------------|------------|
| GCRGS Small | 20/25mm |
| GCRGL Large | 32/40/50mm |

GCPP

Galvanised Pendant Plate (Dome Cover)



| Code | Size |
|----------------|------|
| GCPP 20 | 20mm |
| GCPP 25 | 25mm |

GCP

Galvanised Hex Plugs



| Code | Size |
|---------------|------|
| GCP 20 | 20mm |
| GCP 25 | 25mm |
| GCP 32 | 32mm |
| GCP 40 | 40mm |
| GCP 50 | 50mm |

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GCN

Galvanised Nipples



| Code | Size |
|---------------|------|
| GCN 16 | 16mm |
| GCN 20 | 20mm |
| GCN 25 | 25mm |
| GCN 32 | 32mm |
| GCN 40 | 40mm |
| GCN 50 | 50mm |

GCHOOK

Galvanised Hook



| Code | Size |
|------------------|------|
| GCHOOK 20 | 20mm |

GCPC

Galvanised Plain Couplings



| Code | Size |
|----------------|------|
| GCPC 20 | 20mm |
| GCPC 25 | 25mm |
| GCPC 32 | 32mm |
| GCPC 40 | 40mm |
| GCPC 50 | 50mm |

GCR

Galvanised Hex Reducers



| Code | Size |
|------------------|---------|
| GCR 20-16 | 20-16mm |
| GCR 25-20 | 25-20mm |
| GCR 32-25 | 32-25mm |
| GCR 40-32 | 40-32mm |
| GCR 50-40 | 50-40mm |
| GCR 63-50 | 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) |
|--------------|------------|------------------------|------------------------|-----------------------------------|--------------------|-----------------------------------|
| GFC16 | Galvanised | 20 | 16 | 40 | 50 | 1 |
| GFC20 | Galvanised | 24 | 20 | 45 | 50 | 1 |
| GFC25 | Galvanised | 30 | 25 | 55 | 50 | 1 |
| GFC32 | Galvanised | 37 | 32 | 70 | 25 | 1 |
| GFC40 | 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 |
|--------------|------|-------------|
| SGC10 | 10mm | 100 |
| SGC12 | 12mm | 100 |
| SGC16 | 16mm | 100 |
| SGC20 | 20mm | 100 |
| SGC25 | 25mm | 100 |
| SGC32 | 32mm | 100 |
| SGC40 | 40mm | 100 |
| SGC50 | 50mm | 50 |
| SGC65 | 65mm | 25 |
| SGC80 | 80mm | 25 |

Saddles are galvanised by the process of electroplating.

HSG

Galvanised Half Saddles



| Code | Size | Qty per box |
|--------------|------|-------------|
| HSG16 | 16mm | 100 |
| HSG20 | 20mm | 100 |
| HSG25 | 25mm | 100 |
| HSG32 | 32mm | 100 |
| HSG40 | 40mm | 50 |
| HSG50 | 50mm | 20 |

Saddles are galvanised by the process of electroplating.

SSC

Stainless Steel Saddles



| Code | Size | Qty per box |
|--------------|------|-------------|
| SSC12 | 12mm | 100 |
| SSC16 | 16mm | 100 |
| SSC20 | 20mm | 100 |
| SSC25 | 25mm | 100 |
| SSC32 | 32mm | 100 |
| SSC40 | 40mm | 50 |
| SSC50 | 50mm | 50 |

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HSS

Stainless Steel Half Saddles



| Code | Size | Qty per box |
|--------------|------|-------------|
| HSS20 | 20mm | 50 |
| HSS25 | 25mm | 50 |
| HSS32 | 32mm | 50 |

Made from Stainless Steel Grade 304 - Finish 2B.

CONDUIT THREADING

SSRATCH

Ratchet and Handle
for Conduit Threading
& Galvanised Steel



| Code | Size | Description |
|---------|------------|-------------------------------------------|
| SSRATCH | 20/25/32mm | Ratchet & Handle (for stainless steel) |

SSDIEHEAD

Die Head (Including Dies & Guide)
for Conduit Threading
& Galvanised Steel



| Code | Size |
|--------------|------|
| SSDIEHEAD 20 | 20mm |
| SSDIEHEAD 25 | 25mm |
| SSDIEHEAD 32 | 32mm |