

**NON** metallic

**cable enclosures & fittings**

*Complete Cover For Your Cables*

**technical data**



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## NON METALLIC CABLE EN

### **NON** metallic

#### **cable enclosures & fittings**

Clipsal pioneered the use of adjustable conduit fittings back in 1920 when Alfred Gerard developed a range of fittings manufactured from sheet metal which could be expanded or contracted.

At that time all electrical conduit used in Australia was imported from overseas, and made to various standards and unacceptable size variations.

This meant that for years Australia's electrical contractors experienced difficulties in joining lengths of conduit in situations where the diameter of the fittings, which were also imported, was different to those of the conduit itself.

With Alfred Gerard's cleverly designed conduit fittings that 'clipped all' sizes of imported conduit, it was natural that he should call his new brand Clipsal.

Since those early days, Clipsal has continued to lead the conduit and conduit fittings' market with innovative products that are at the forefront of design and reliability to completely meet the needs of the electrical industry.



# ENCLOSURES AND FITTINGS



While we continue to manufacture a wide range of metal conduit fittings, the use of plastics means that we can offer even greater flexibility with our non metallic conduit and fittings.

Today, our range of conduit fittings is one of the most comprehensive available and includes everything to make your job easier, including conduit boxes, tangential boxes, bends, elbows, adaptors, saddles, large bends and underground bends, to name just a few.

From everyday installations to 'one off' jobs, Clipsal conduit and conduit fittings have you covered.

**Note:** Also available are non metallic HFT rigid and corrugated conduit, and flexible electrical hose. For details on these products, please refer to the Clipsal Halogen Free Conduit and Hose Technical Data Catalogue.

## 15 YEAR PRODUCT WARRANTY

To protect the customer's best interests, Clipsal has extended its product warranty to a full 15 years.



## NON METALLIC CONDUIT AND FITTINGS

### Manufacturing Specifications

All Clipsal Rigid Non Metallic Conduit and Fittings are manufactured in strict accordance with relevant sections of AS/NZS 2053 Conduit and Fittings for Electrical Installations.

Operative temperature range -15°C to +65°C.

Most Clipsal Conduit Fittings are suitable for use underground and are marked HD (Heavy Duty).

**Note:** Screw threads of nominal sizes of conduit 16 to 63mm are metric conduit threads with a 1.5mm pitch, complying with AS 1721.

Sizes 80 to 150 are BSP threads complying with AS 1722.

Unless specified otherwise all dimensions are nominal.

### Chemical Resistance

Resistance to most common corroding agents, including the majority of oils and fats, inorganic acids, alkalis and salts, is a feature of Clipsal Rigid Non Metallic Conduit and Fittings. However, they are not recommended for use with Ketones, Esters or Aromatic or Chlorinated Hydrocarbons.

### Effects of Temperature

Rigid Non Metallic Conduit has a relatively high co-efficient of expansion (approximately 0.1 metre per 100 metres per 10°C). In long runs likely to be subjected to wide temperature variations, expansion couplings should be provided in each standard length.

### Installation

When installing rigid Non Metallic Conduit, support saddles or clips should be located at intervals of not more than one metre.

For more information regarding these points see relevant sections of AS/NZS 3000.

It is not recommended to use Rigid Non Metallic Conduit and Fittings where they are likely to be subjected to severe mechanical abuse without providing additional protection.

### Bending Conduit

Circular conduit not exceeding 25mm in diameter can be bent 'cold' using the appropriate Clipsal Bending Spring (Cat. No. 266 Series). Please refer to page 9.

Where heat is required on small conduit, the area to be bent may be heated by brisk rubbing. On larger conduit, heat can be supplied by careful application of an L.P.G. gas flame.

When bending Non Metallic conduit, a minimum radius six times the conduit diameter is recommended.

To maintain a good bend and to reduce 'creep', it is necessary to over bend, then allow the tube to ease to the desired position.

Fix conduit with saddles, or other supports, as soon as possible after bending.

### Bending Recommendations

| Conduit<br>Outside Diameter | Minimum<br>Radius |
|-----------------------------|-------------------|
| 16mm                        | 96mm              |
| 20mm                        | 120mm             |
| 25mm                        | 150mm             |
| 32mm                        | 200mm             |
| 40mm                        | 240mm             |
| 50mm                        | 300mm             |
| 63mm                        | 380mm             |

### Jointing - Recommended Method

The following is a simple, quick method using Clipsal Jointing Cement.

- 1 Cut conduit to length and remove all burrs.
- 2 Remove any dirt or grease with a clean cloth dipped in methylated spirits.
- 3 Coat both surfaces to be joined and within one minute push together. Give a quarter turn to spread cement evenly and wipe off excess immediately.
- 4 Do not handle joint for five minutes and allow 24 hours drying time before testing or rough handling.

Please refer to page 8 for complete details on Clipsal Jointing Cement.

## RIGID NON METALLIC CONDUIT

### Light Duty Oval

Light Duty Oval Conduit products offer a range of low profile conduit specifically for use in chased walls. The low profile allows a minimum depth chase to be made yet still allows adequate space and protection for the cables. Available in Grey (GY) only.

Standard length - 4 metres.

### Medium Duty

Medium Duty Conduit is used widely for an extensive range of cable protection applications. It is used for surface wiring as well as for inclusion in concrete slabs. Available in Grey (GY) only.

Standard length - 4 metres.

### Heavy Duty

Heavy Duty Conduit is primarily used for underground applications. If installed in accordance with the specific clauses of AS/NZS 3000, it can be used for this application without further protection. Available in Orange (EO) only.

Standard length - 4 metres.

#### Rigid Non Metallic Conduit - Light Duty Oval

| Catalogue Number | Width (A) | Height (B) | Wall Thickness (C) |
|------------------|-----------|------------|--------------------|
| 9016LOV          | 20mm      | 12mm       | 1.2mm              |
| 9020LOV          | 24mm      | 14mm       | 1.2mm              |

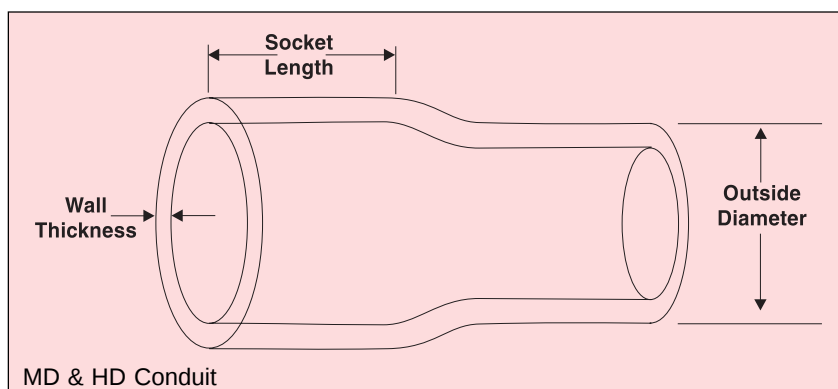
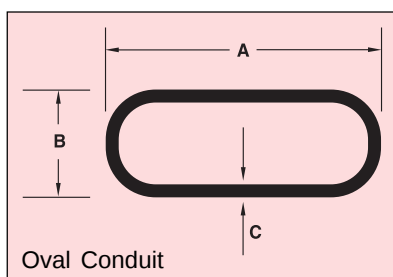
#### Rigid Non Metallic Conduit - Medium Duty

| Catalogue Number | Outside Diameter | Wall Thickness | Socket Length |
|------------------|------------------|----------------|---------------|
| 9016MD           | 16mm             | 1.6mm          | 13mm          |
| 9020MD           | 20mm             | 1.8mm          | 16mm          |
| 9025MD           | 25mm             | 1.8mm          | 20mm          |
| 9032MD           | 32mm             | 2.1mm          | 25mm          |
| 9040MD           | 40mm             | 2.4mm          | 32mm          |
| 9050MD           | 50mm             | 2.8mm          | 40mm          |

#### Rigid Non Metallic Conduit - Heavy Duty

| Catalogue Number | Outside Diameter | Wall Thickness | Socket Length |
|------------------|------------------|----------------|---------------|
| 9020HD           | 20mm             | 2.3mm          | 16mm          |
| 9025HD           | 25mm             | 2.5mm          | 20mm          |
| 9032HD           | 32mm             | 2.7mm          | 25mm          |
| 9040HD           | 40mm             | 3.1mm          | 32mm          |
| 9050HD           | 50mm             | 3.4mm          | 40mm          |
| 9063HD           | 63mm             | 3.9mm          | 50mm          |
| 9080HD           | 89mm             | 4.6mm          | 73mm          |
| 9100HD           | 114mm            | 5.9mm          | 99mm          |
| 9125HD           | 140mm            | 7.2mm          | 115mm         |
| 9150HD           | 160mm            | 8.3mm          | 124mm         |

**Note:** Nominal sizes of conduit 16 to 63mm refer to outside diameter, whereas sizes 80 to 150mm refer to the approximate internal diameter.



## CORFLO PROFILE WALL, SMOOTH BORE CONDUIT

Clipsal Corflo is a profile wall, smooth bore conduit manufactured to AS/NZS 2053.6. If installed in accordance with the specific clauses of AS/NZS 3000, it can be used for this application without further protection.

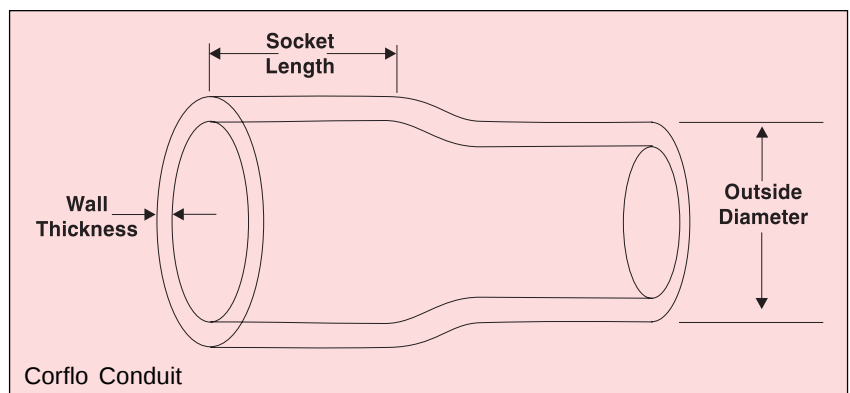
Corflo is manufactured by a continuous, co-extrusion process which provides a seamless pipe that uses less material.

Less material means a lower cost and less weight, for ease of handling and transportation. Also available in White for communications applications. Standard length - 6 metres. Available in Orange (EO) only with the exception of Cat. No. C9100CF which comes in White Electric (WE).

**Corflo Profile Wall, Smooth Bore Conduit**

| Catalogue Number | Size  | Outside Diameter | Wall Thickness | Socket Length |
|------------------|-------|------------------|----------------|---------------|
| 9100CF           | 100mm | 114mm            | 7mm            | 104mm         |
| 9125CF           | 125mm | 140mm            | 6mm            | 115mm         |
| 9150CF           | 150mm | 160mm            | 7mm            | 124mm         |
| *C9100CF         | 100mm | 114mm            | 7mm            | 104mm         |

\* White Electric



## TELECOMMUNICATIONS CONDUIT

Changes to regulations now require the Telecommunications industry to protect communications cabling in white conduit to AS 2053-ACA TS009.

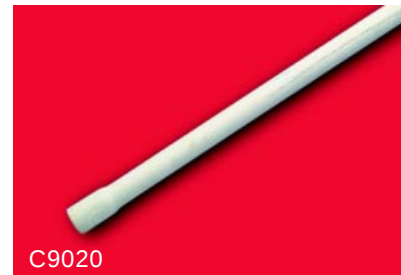
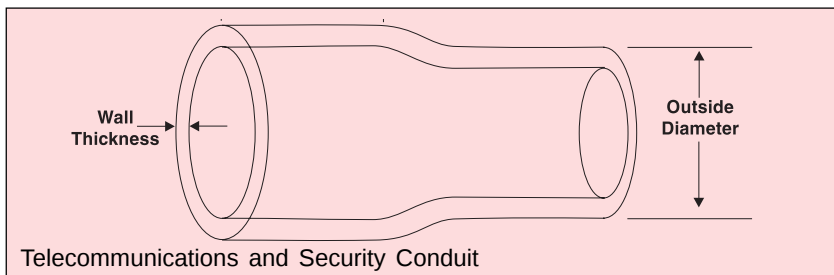
Clipsal meets these requirements with a comprehensive range of white conduit and fittings that suits every application and enables telecommunications cabling to be instantly identified.

Clipsal Telecommunications Conduit and Fittings are manufactured from the same high quality, high impact material as our standard electrical fittings, and are UV and chemical resistant.

### Telecommunications Conduit

| Cat. No.       | Outside Diameter | Wall Thickness | Length |
|----------------|------------------|----------------|--------|
| <b>C9020</b>   | 20mm             | 1.8mm          | 4m     |
| <b>C9020/3</b> | 20mm             | 1.8mm          | 3m     |
| <b>C9025</b>   | 25mm             | 1.8mm          | 4m     |
| <b>C9025/3</b> | 25mm             | 1.8mm          | 3m     |
| <b>C9032</b>   | 32mm             | 1.8mm          | 4m     |
| <b>C9032/3</b> | 32mm             | 1.8mm          | 3m     |
| <b>C9050</b>   | 50mm             | 2.8mm          | 4m     |
| <b>C9080</b>   | 80mm             | 3.7mm          | 6m     |
| <b>C9100</b>   | 100mm            | 4.5mm          | 6m     |

Corflo in white for telecommunications use is also available. Please refer to Cat. No. C9100CF on page 6 for product dimensions.



## SECURITY CONDUIT

With the increasing need for certainty of integrity of data and security cabling systems, Clipsal now offers a range of transparent conduit and fittings.

Clipsal's Security Conduit and Fittings are specially designed for cabling systems used in high security areas for carrying highly sensitive or confidential data.

Being transparent, they enable the integrity of the cable to be inspected at all points along the route, ensuring that any damage or tampering is immediately identified.

Transparent conduit also ensures that a security conduit run isn't mistaken for electrical or other data and communications circuitry, and opened in error.

It also allows easy identification of entry of pests, vermin, moisture or other contaminants which may affect the performance of the system.

Normal clear Conduit Cement is ideal for bonding of the joints.



### Security Conduit

| Cat. No.      | Outside Diameter | Wall Thickness | Length |
|---------------|------------------|----------------|--------|
| <b>SC9016</b> | 16mm             | 1.6mm          | 4m     |
| <b>SC9020</b> | 20mm             | 1.8mm          | 4m     |
| <b>SC9025</b> | 25mm             | 1.8mm          | 4m     |
| <b>SC9032</b> | 32mm             | 2.1mm          | 4m     |
| <b>SC9040</b> | 40mm             | 2.4mm          | 4m     |
| <b>SC9050</b> | 50mm             | 2.8mm          | 4m     |

Refer to diagram above.

## JOINTING CEMENT

### Low Fume Safety Cement

Clipsal Medium Gap Filling Safety Jointing Cement is the result of our strong commitment to the preservation and protection of the environment.

Safer for the user and environment, this cement is a single low toxic biodegradable solvent that also offers improved bonding.

With virtually no smell or fumes, it is ideal for use in confined spaces or areas with poor ventilation.

Its convenient 125ml and 250ml twist top squeeze bottles enable 'no spill use' in the tightest situations and have high chemical stability and low flammability for safe transporting and storage.



### PVC Solvent Cement Range

Clipsal Solvent Jointing Cements are benzene free for greater safety, thicker in consistency to avoid spillage, and packaged in long life, airtight storage containers.

They are available in blue and clear, in a choice of 4 container sizes, each with a brush incorporated into the lid. The clear cement is also available in a handy twist top 250ml squeeze bottle for no spill, safe handling.

#### Medium Gap Filling Safety Jointing Cement

| Cat. No.  | Volume                |
|-----------|-----------------------|
| 240/125GR | 125ml squeeze bottle. |
| 240/250GR | 250ml squeeze bottle. |

#### Medium Gap Filling Clear PVC Jointing Cement

| Cat. No.   | Volume                    |
|------------|---------------------------|
| 240A       | 250ml squeeze bottle.     |
| 240/125CL  | 125ml bottle with brush.  |
| 240/250CL  | 250ml bottle with brush.  |
| 240/500CL  | 500ml bottle with brush.  |
| 240/1000CL | 1000ml bottle with brush. |

#### Medium Gap Filling Blue PVC Jointing Cement

| Cat. No.   | Volume                    |
|------------|---------------------------|
| 240/125BU  | 125ml bottle with brush.  |
| 240/250BU  | 250ml bottle with brush.  |
| 240/500BU  | 500ml bottle with brush.  |
| 240/1000BU | 1000ml bottle with brush. |

Please refer to Halogen Free Technical Data Catalogue for information on HFT Jointing Cement.



240A



240/500CL



240/500BU

## ACCESSORIES

### Duct and Conduit Cutter

The 900TC is a sturdy Duct and Conduit Cutter that's easy to use and suitable for cutting a wide range of rigid PVC conduit, corrugated conduit, HFT conduit and mini trunking.

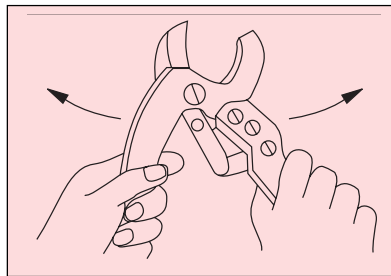
Replacement snap on anvils and blades ensure years of reliable use.



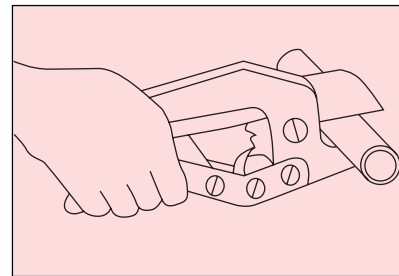
900TC

#### Duct and Conduit Cutter and Accessories

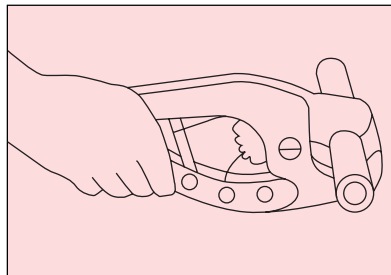
| Cat. No.      | Description                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>900TC</b>  | Duct and Conduit Cutter suitable for cutting rigid PVC conduit up to 32mm HD or 40mm MD; light duty corrugated conduit mini trunking and HFT conduit. |
| <b>900TCA</b> | Replacement Snap on Anvil                                                                                                                             |
| <b>900TCB</b> | Replacement Blade                                                                                                                                     |



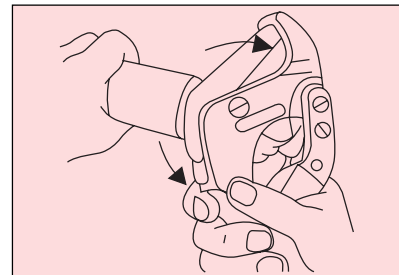
1. Open the handles wide to retract the blade.



2. Place the material to be cut in the blade opening.



3. Squeeze handles together firmly. Relax the handles enough to allow the pawl to engage the next ratchet tooth and squeeze the handles together again. Continue ratcheting until the blade cuts through the material.



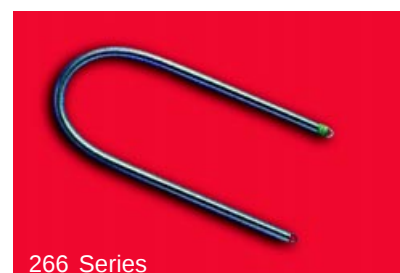
4. To chamfer the ID of material, leave the blade in the closed position, insert the heel of the blade into the cut end of the material and rotate the cutter.

### Conduit Bending Springs

The easiest way to bend or set small bore conduit is with an Internal Bending Spring. Simply insert the relevant spring into the conduit and bend around your knee to the desired angle. It is often necessary to overbend to allow for creepage. Refer to the minimum recommended bend radii on page 4.

#### Conduit Bending Springs

| Cat. No.       | Description                   |
|----------------|-------------------------------|
| <b>266MD16</b> | For 16mm medium duty conduit. |
| <b>266MD20</b> | For 20mm medium duty conduit. |
| <b>266MD25</b> | For 25mm medium duty conduit. |
| <b>266HD20</b> | For 20mm heavy duty conduit.  |
| <b>266HD25</b> | For 25mm heavy duty conduit.  |



266 Series

## NON METALLIC CONDUIT FITTINGS

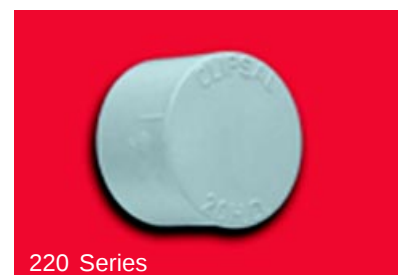
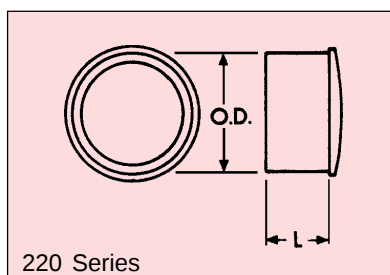
### Plain Conduit Entry Plugs

Plain Conduit Entry Plugs are used to neatly blank off unused plain entries in conduit junction boxes, weatherproof range enclosures and so on. If they are required to be permanent and watertight, they can be glued in with conduit jointing cement.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

#### Plain Conduit Entry Plugs

| Catalogue Number | Outside Diameter (O.D.) | Length (L) |
|------------------|-------------------------|------------|
| <b>220/10</b>    | 10mm                    | 7mm        |
| <b>220/16</b>    | 16mm                    | 12mm       |
| <b>220/20</b>    | 20mm                    | 13mm       |
| <b>220/25</b>    | 25mm                    | 15.5mm     |



### Screwed Conduit Entry Plugs

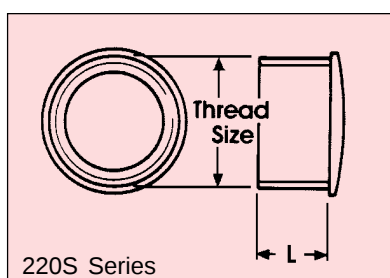
Screwed Conduit Entry Plugs are used to neatly blank off unused screwed entries in junction boxes, other wiring enclosures and so on. If they are required to be permanent and watertight, they can be glued in with conduit jointing cement.

Standard colour is Grey (GY).  
Orange (EO) also available at extra cost.

#### Screwed Conduit Entry Plugs

| Catalogue Number | Thread Size  | Length (L) |
|------------------|--------------|------------|
| <b>220S20</b>    | 20mm conduit | 14mm       |
| <b>220S25</b>    | 25mm conduit | 17mm       |
| <b>220S32</b>    | 32mm conduit | 20mm       |
| <b>220S40</b>    | 40mm conduit | 23.5mm     |
| <b>220S50</b>    | 50mm conduit | 27mm       |

Nominal Dimensions.



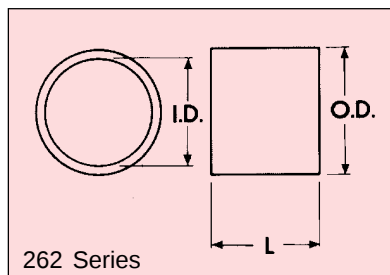
## Conduit Caps

Conduit Caps are used to neatly blank off unused conduits. They ensure that no water, vermin or other debris can enter the conduit and make wiring difficult or the installation otherwise unsatisfactory. This is particularly important where the conduit is installed in a concrete pour, or underground applications. Conduit Caps can be made more secure and watertight by being glued with conduit jointing cement.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

| Conduit Caps     |       |                        |                         |            |
|------------------|-------|------------------------|-------------------------|------------|
| Catalogue Number | Size  | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
| <b>262/16</b>    | 16mm  | 16mm                   | 20mm                    | 20mm       |
| <b>262/20</b>    | 20mm  | 20mm                   | 24mm                    | 23mm       |
| <b>262/25</b>    | 25mm  | 25mm                   | 30mm                    | 29mm       |
| <b>262/32</b>    | 32mm  | 32mm                   | 37mm                    | 27mm       |
| <b>262/40</b>    | 40mm  | 40mm                   | 45mm                    | 31mm       |
| <b>262/50</b>    | 50mm  | 50mm                   | 57mm                    | 48mm       |
| <b>262/63</b>    | 63mm  | 63mm                   | 70mm                    | 54mm       |
| <b>*262P80</b>   | 80mm  | 89mm                   | 96mm                    | 43mm       |
| <b>*262P100</b>  | 100mm | 114.5mm                | 122mm                   | 48mm       |
| <b>*262P150</b>  | 150mm | 160.5mm                | 168mm                   | 53mm       |

\* Standard colour - Orange.

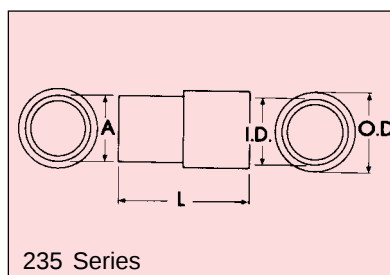


## Imperial to Metric Plain Converters

Imperial to Metric Plain Converters allow interconnection of imperial conduit and accessories with the metric products now in use. Sizes available range from 3/4 inch to 2 inch, in both socket and spigot configurations.

Standard colour is Grey (GY). Orange (EO) available at extra cost.

| Imperial to Metric Plain Converters |                 |                    |                         |                    |
|-------------------------------------|-----------------|--------------------|-------------------------|--------------------|
| Catalogue Number                    | Spigot Size (A) | Socket Size (I.D.) | Outside Diameter (O.D.) | Overall Length (L) |
| <b>235/¾/20</b>                     | ¾"              | 20mm               | 25mm                    | 47mm               |
| <b>235/1/25</b>                     | 1"              | 25mm               | 30mm                    | 50mm               |
| <b>235/20/¾</b>                     | 20mm            | ¾"                 | 25mm                    | 47mm               |
| <b>235/25/1</b>                     | 25mm            | 1"                 | 30mm                    | 50mm               |
| <b>235/1½/40</b>                    | 1½"             | 40mm               | 45mm                    | 60mm               |
| <b>235/2/50</b>                     | 2"              | 50mm               | 56mm                    | 80mm               |
| <b>235/40/1½</b>                    | 40mm            | 1½"                | 45mm                    | 60mm               |
| <b>235/50/2</b>                     | 50mm            | 2"                 | 56mm                    | 80mm               |

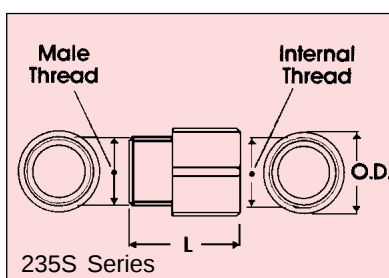


### Imperial to Metric Screwed Converters

Imperial to Metric Screwed Converters allow interconnection of imperial threaded accessories with the metric equivalents. Sizes available range from 5/8 inch to 1 inch, in both socket and spigot configurations.

Standard colour is Grey (GY). Orange (EO) also available at extra cost.

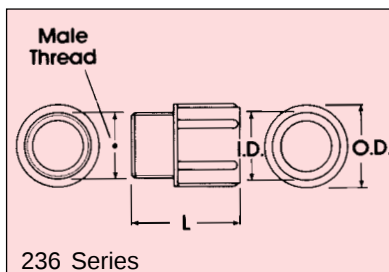
| Imperial to Metric Screwed Converters |             |                 |                         |            |
|---------------------------------------|-------------|-----------------|-------------------------|------------|
| Catalogue Number                      | Male Thread | Internal Thread | Outside Diameter (O.D.) | Length (L) |
| 235S <sup>5/8</sup> /16               | 5/8"        | 16mm            | 21mm                    | 30mm       |
| 235S <sup>3/4</sup> /16               | 3/4"        | 16mm            | 24mm                    | 35mm       |
| 235S <sup>3/4</sup> /20               | 3/4"        | 20mm            | 25mm                    | 33mm       |
| 235S1/25                              | 1"          | 25mm            | 31mm                    | 40mm       |
| 235S20 <sup>5/8</sup>                 | 20mm        | 5/8"            | 24mm                    | 35mm       |
| 235S20 <sup>3/4</sup>                 | 20mm        | 3/4"            | 25mm                    | 33mm       |
| 235S25/1                              | 25mm        | 1"              | 31mm                    | 36mm       |



### Converting Adaptors

Imperial to Metric Converting Adaptors allow interconnection between threaded and plain components of imperial conduit and accessories with the metric products now in use. Sizes available range from 5/8 inch to 1 inch, in both socket and spigot configurations.

Standard colour is Grey (GY). Orange (EO) available at extra cost.



| Converting Adaptors    |             |                        |                         |            |
|------------------------|-------------|------------------------|-------------------------|------------|
| Catalogue Number       | Male Thread | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
| 236 <sup>3/4</sup> S16 | 3/4"        | 16mm                   | 24mm                    | 36mm       |
| 236 <sup>3/4</sup> S20 | 3/4"        | 20mm                   | 25mm                    | 36mm       |
| 236/1S25               | 1"          | 25mm                   | 31mm                    | 40mm       |
| 236/20S <sup>5/8</sup> | 20mm        | 5/8"                   | 24mm                    | 36mm       |
| 236/20S <sup>3/4</sup> | 20mm        | 3/4"                   | 24mm                    | 36mm       |
| 236/25S1               | 25mm        | 1"                     | 31mm                    | 40mm       |

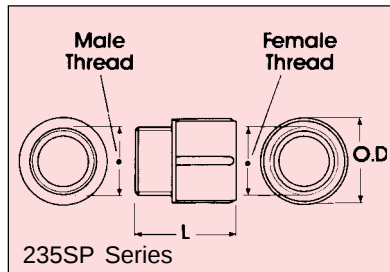
### PG/Metric Screwed Converters

This range of Clipsal Screwed Converters adapts metric conduit to European switchgear with PG threads to DIN 40430.

PG 13.5 and PG 16 have a thread pitch of 1.41. PG 21, PG 29, PG 36 and PG 42 have a thread pitch of 1.59.

Additional products are available in Clipsal's Metal Conduit Accessories Range.

| PG/Metric Screwed Converters |             |               |                         |            |
|------------------------------|-------------|---------------|-------------------------|------------|
| Catalogue Number             | Male Thread | Female Thread | Outside Diameter (O.D.) | Length (L) |
| 235SP13/20                   | PG 13.5     | 20mm          | 26mm                    | 35mm       |
| 235SP16/20                   | PG 16       | 20mm          | 28mm                    | 35mm       |
| 235SP21/20                   | PG 21       | 20mm          | 28mm                    | 35mm       |
| 235SP29/32                   | PG 29       | 32mm          | 48mm                    | 42mm       |
| 235S20P13                    | 20mm        | PG 13.5       | 28mm                    | 30mm       |
| 235S20P16                    | 20mm        | PG 16         | 28mm                    | 30mm       |
| 235S25P21                    | 25mm        | PG 21         | 37mm                    | 37mm       |
| 235S40P36                    | 40mm        | PG 36         | 61mm                    | 52mm       |
| 235S50P42                    | 50mm        | PG 42         | 68mm                    | 54mm       |

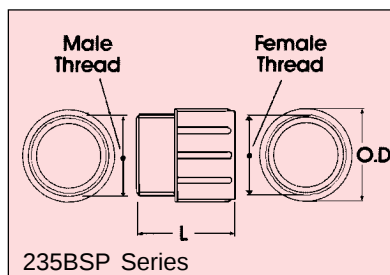


### BSP/Metric Screwed Converters

Clipsal offers a limited range of non Metallic BSP to Metric Screwed Converters that allow interconnection of water pipe accessories with the metric products. Additional products are available in Clipsal's Metal Conduit Accessories Range. BSP products have a thread pitch of 2.31.

Standard colour is Grey (GY). Orange (EO) available at extra cost.

| BSP/Metric Screwed Converters |             |               |                         |            |
|-------------------------------|-------------|---------------|-------------------------|------------|
| Catalogue Number              | Male Thread | Female Thread | Outside Diameter (O.D.) | Length (L) |
| 235S32BSP25                   | 32BSP       | 25mm          | 47mm                    | 40mm       |
| 235S32BSP40                   | 32BSP       | 20mm          | 47mm                    | 49mm       |



### Plain to Screwed Adaptors

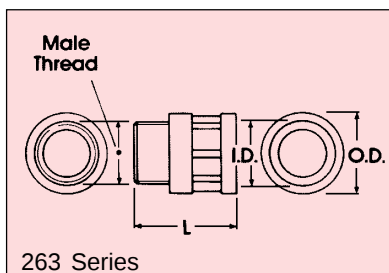
Plain to Screwed Adaptors allow rigid conduit to be terminated into an enclosure and secured with a lock ring or lock nut. They are available for conduit sizes 16mm through to 100mm. Lock rings are supplied with 80mm and 100mm sizes.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

#### Plain to Screwed Adaptors

| Catalogue Number | Male Thread | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|------------------|-------------|------------------------|-------------------------|------------|
| <b>263/16</b>    | 16mm        | 16mm                   | 21mm                    | 30mm       |
| <b>263/20</b>    | 20mm        | 20mm                   | 25mm                    | 36mm       |
| <b>263/25</b>    | 25mm        | 25mm                   | 32mm                    | 42mm       |
| <b>263/32</b>    | 32mm        | 32mm                   | 38mm                    | 48mm       |
| <b>263/40</b>    | 40mm        | 40mm                   | 47mm                    | 58mm       |
| <b>263/50</b>    | 50mm        | 50mm                   | 59mm                    | 68mm       |
| <b>*263/63</b>   | 63mm        | 63mm                   | 71mm                    | 79mm       |
| <b>*263P80</b>   | 80mm BSP    | 89mm                   | 105mm                   | 100mm      |
| <b>*263P100</b>  | 100mm BSP   | 114.5mm                | 134mm                   | 120mm      |

\*Standard colour - Orange.



### Plain Couplings

Plain Couplings allow joining of two lengths of conduit of the same size.

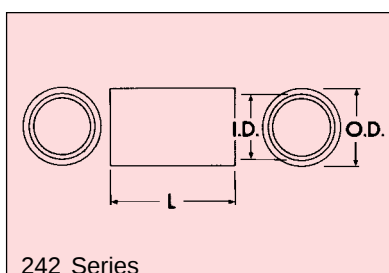
Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

#### Plain Couplings

| Catalogue Number | Size  | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|------------------|-------|------------------------|-------------------------|------------|
| <b>242/16</b>    | 16mm  | 16mm                   | 20mm                    | 38mm       |
| <b>242/20</b>    | 20mm  | 20mm                   | 25mm                    | 42mm       |
| <b>242/25</b>    | 25mm  | 25mm                   | 30mm                    | 42mm       |
| <b>242/32</b>    | 32mm  | 32mm                   | 37mm                    | 52mm       |
| <b>242/40</b>    | 40mm  | 40mm                   | 45mm                    | 58mm       |
| <b>242/50</b>    | 50mm  | 50mm                   | 57mm                    | 80mm       |
| <b>*242/63</b>   | 63mm  | 63mm                   | 71mm                    | 150mm      |
| <b>*242P80</b>   | 80mm  | 89mm                   | 98mm                    | 172mm      |
| <b>*242P100</b>  | 100mm | 114.5mm                | 127mm                   | 228mm      |
| <b>*242P125</b>  | 125mm | 140mm                  | 154mm                   | 230mm      |
| <b>*242P150</b>  | 150mm | 160.5mm                | 177mm                   | 367mm      |

\*Standard colour - Orange.

Certification of Suitability No. CS/188/S.

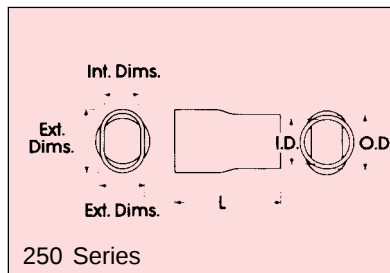


## Round to Oval Couplings

Round to Oval Couplings allow interconnection between the two types of conduit.

Available in Grey only.

| Round to Oval Couplings |                        |                         |                     |                     |            |
|-------------------------|------------------------|-------------------------|---------------------|---------------------|------------|
| Catalogue Number        | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Interior Dimensions | Exterior Dimensions | Length (L) |
| 250/16/16               | 16mm                   | 21mm                    | 20 x 9mm            | 25 x 14mm           | 43mm       |
| 250/20/16L              | 20mm                   | 24mm                    | 20 x 12mm           | 24 x 16mm           | 51mm       |
| 250/20/20L              | 20mm                   | 25mm                    | 24 x 14mm           | 29 x 19mm           | 51mm       |

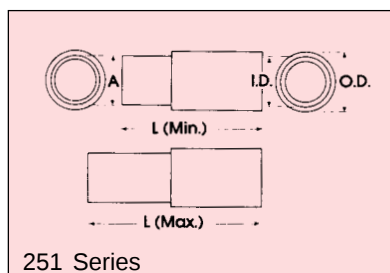


## Slip Type Expansion Couplings

Where long conduit runs are likely to be exposed to wide variations in temperature, it is recommended that expansion couplings be used at each join. Slip Type Expansion Couplings are available from 16mm through to 50mm. It is not recommended that Slip Type Expansion Couplings be used where the conduit run is exposed to the weather.

Standard colour is Grey (GY). Orange (EO) available at extra cost.

| Slip Type Expansion Couplings |                     |                        |                         |                   |                   |
|-------------------------------|---------------------|------------------------|-------------------------|-------------------|-------------------|
| Catalogue Number              | Spigot Diameter (A) | Socket Diameter (I.D.) | Outside Diameter (O.D.) | Length (max.) (L) | Length (min.) (L) |
| 251/16                        | 16mm                | 16mm                   | 20mm                    | 70mm              | 57mm              |
| 251/20                        | 20mm                | 20mm                   | 25mm                    | 76mm              | 63mm              |
| 251/25                        | 25mm                | 25mm                   | 30mm                    | 88mm              | 71mm              |
| 251/32                        | 32mm                | 32mm                   | 37mm                    | 95mm              | 79mm              |
| 251/40                        | 40mm                | 40mm                   | 45mm                    | 104mm             | 87mm              |
| 251/50                        | 50mm                | 50mm                   | 57mm                    | 144mm             | 118mm             |



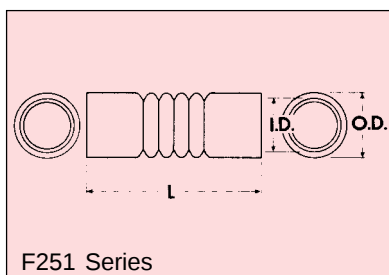
### Flexible Expansion Couplings

Where long conduit runs are likely to be exposed to wide variations in temperature, it is recommended that expansion couplings be used at each join. Flexible Expansion Couplings are available from 16mm through to 50mm.

Available in Grey (GY) only.

#### Flexible Expansion Couplings

| Catalogue Number | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|------------------|------------------------|-------------------------|------------|
| F251/16          | 16mm                   | 20mm                    | 64mm       |
| F251/20          | 20mm                   | 24mm                    | 71mm       |
| F251/25          | 25mm                   | 31mm                    | 81mm       |
| F251/32          | 32mm                   | 37mm                    | 98mm       |
| F251/40          | 40mm                   | 45mm                    | 112mm      |
| F251/50          | 50mm                   | 56mm                    | 128mm      |



F251 Series



F251 Series

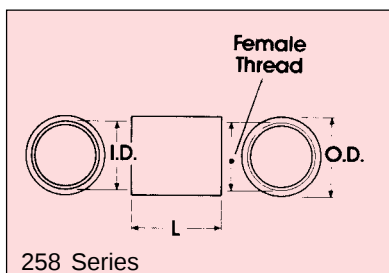
### Plain to Screwed Couplings

These Couplings allow socket to socket interconnection between plain and threaded conduit and accessories of the same size.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

#### Plain to Screwed Couplings

| Catalogue Number | Female Thread (I.D.) | Outside Diameter (O.D.) | Length (L) |
|------------------|----------------------|-------------------------|------------|
| 258/16           | 16mm                 | 20mm                    | 28mm       |
| 258/20           | 20mm                 | 26mm                    | 34mm       |
| 258/25           | 25mm                 | 30mm                    | 34mm       |
| 258/32           | 32mm                 | 37mm                    | 37mm       |
| 258/40           | 40mm                 | 45mm                    | 46mm       |
| 258/50           | 50mm                 | 56mm                    | 59mm       |



258 Series



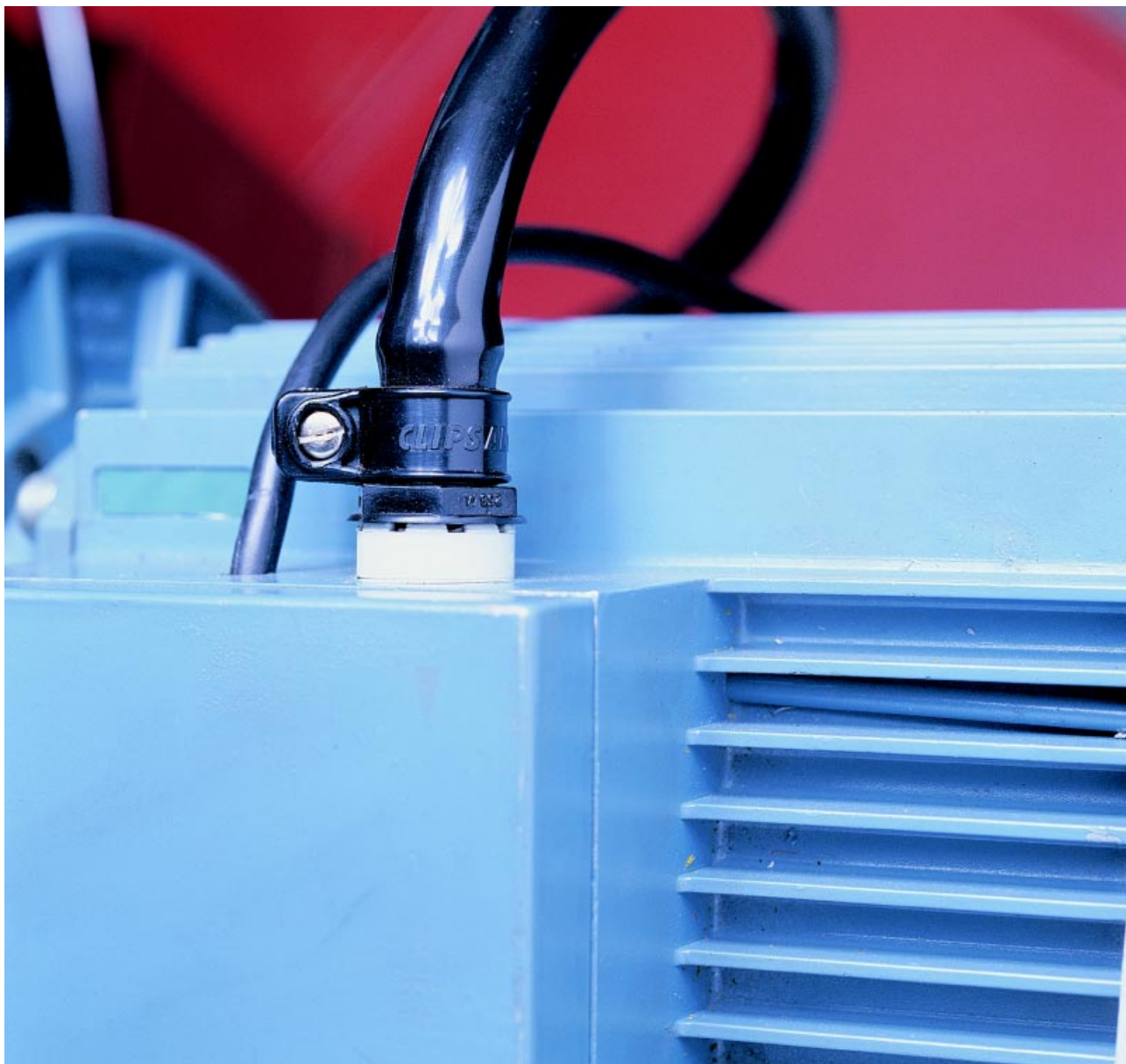
258 Series

### Plain to Flexible Coupling Adaptors

Plain to Flexible Coupling Adaptor Sets facilitate interconnection between rigid conduit and flexible conduit of the same size. The set is comprised of a 242 coupling, a 263F barbed adaptor to fit inside the flexible conduit, and a clamp band to lock the flexible conduit in place. They are available in 16mm, 20mm and 25mm sizes.

Available in Grey (GY) only.

| Plain to Flexible Coupling Adaptors |                                                        |
|-------------------------------------|--------------------------------------------------------|
| Cat. No.                            | Description                                            |
| <b>263F16</b>                       | Interconnects 16mm rigid pipe with 16mm flexible hose. |
| <b>263F20</b>                       | Interconnects 20mm rigid pipe with 20mm flexible hose. |
| <b>263F25</b>                       | Interconnects 25mm rigid pipe with 25mm flexible hose. |



### Coupling Adaptor Sets - Reducing Type

Plain to Flexible Coupling Adaptor Sets (Reducing type) facilitate interconnection between rigid conduit and flexible conduit of the different sizes. The sets comprise a 242 coupling, a 264 reducer, a 263F barbed adaptor to fit inside the flexible conduit, and a clamp band to lock the flexible conduit in place. They are available in 20mm and 25mm sizes.

Available in Grey (GY) only.

#### Coupling Adaptor Sets - Reducing Type

| Cat. No.       | Description                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------|
| <b>263F20R</b> | Barbed end fits 16mm flexible conduit. Plain end suits 20 - 16mm reducer to accept 20mm conduit entry. |
| <b>263F25R</b> | Barbed end fits 20mm flexible conduit. Plain end suits 25 - 20mm reducer to accept 25mm conduit entry. |



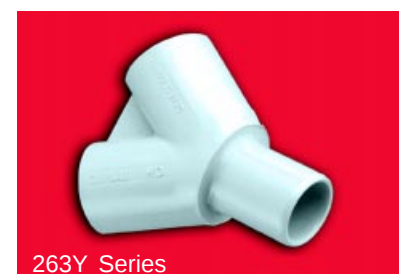
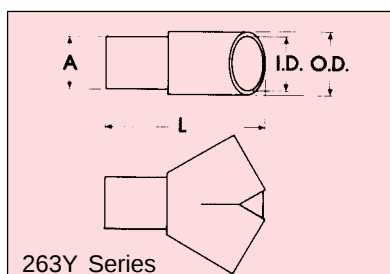
### Duplex Junction Box Entries

Duplex Junction Box Entries allow for two lengths of conduit to be brought into one conduit junction box entry. This can be advantageous when preparing conduit for a concrete pour where extra conduit needs to be accommodated. Care should be taken to ensure that there is sufficient space in the neck of the entry to accommodate the necessary cables.

Available in Grey (GY) only.

#### Duplex Junction Box Entries

| Catalogue Number | Spigot Diameter (A) | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|------------------|---------------------|------------------------|-------------------------|------------|
| <b>263Y20</b>    | 20mm                | 20mm                   | 24mm                    | 61mm       |
| <b>263YR20</b>   | 20mm                | 16mm                   | 23mm                    | 67mm       |
| <b>263YR25</b>   | 25mm                | 20mm                   | 24mm                    | 67mm       |

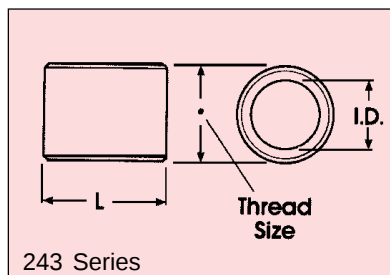


## Threaded Nipples

243 Series Threaded Plastic Nipples are available in sizes 16mm through to 50mm. They are compatible with all other threaded metric accessories including products in the Metal Conduit Accessories Range. Clipsal also offers threaded nipples in brass and plated steel. Please refer to the Metal Conduit Fittings Technical Data Catalogue for more information.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

| Threaded Nipples |             |                        |            |
|------------------|-------------|------------------------|------------|
| Cat. No.         | Thread Size | Inside Diameter (I.D.) | Length (L) |
| 243/16           | 16mm        | 11mm                   | 28mm       |
| 243/20           | 20mm        | 14mm                   | 30mm       |
| 243/25           | 25mm        | 18mm                   | 32mm       |
| 243/32           | 32mm        | 26mm                   | 36mm       |
| 243/40           | 40mm        | 33mm                   | 40mm       |
| 243/50           | 50mm        | 42mm                   | 50mm       |

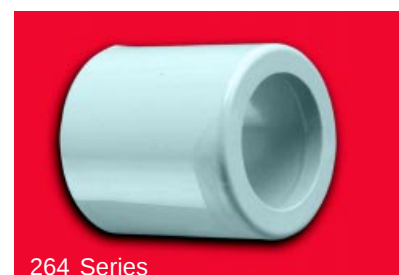
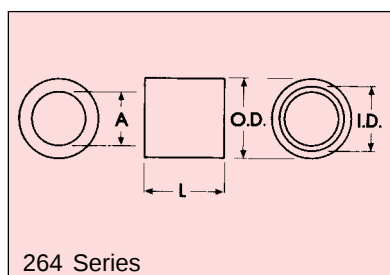


## Plain Reducers

Plain Reducers allow joining of two lengths of conduit of adjacent sizes. As there is a stop lip in the socket, ensure that the reducer is inserted in the correct orientation prior to gluing.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

| Plain Reducers |           |                         |                        |                      |            |
|----------------|-----------|-------------------------|------------------------|----------------------|------------|
| Cat. No.       | Size      | Outside Diameter (O.D.) | Inside Diameter (I.D.) | Through Diameter (A) | Length (L) |
| 264/1M         | 20 - 16mm | 20mm                    | 16mm                   | 13mm                 | 22mm       |
| 264/2M         | 25 - 20mm | 25mm                    | 20mm                   | 17mm                 | 25mm       |
| 264/3M         | 32 - 25mm | 32mm                    | 25mm                   | 22mm                 | 26mm       |
| 264/4M         | 40 - 32mm | 40mm                    | 32mm                   | 30mm                 | 32mm       |
| 264/5M         | 50 - 40mm | 50mm                    | 40mm                   | 36mm                 | 35mm       |



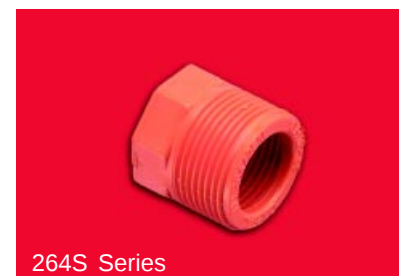
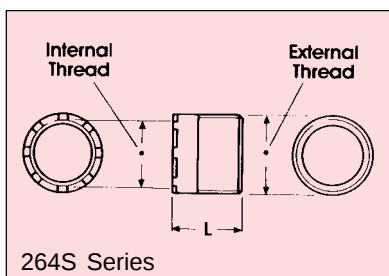
### Threaded Reducers

Threaded Reducers allow joining of two threaded accessories of adjacent sizes.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

#### Threaded Reducers

| Catalogue Number | Size      | External Thread | Internal Thread | Length (L) |
|------------------|-----------|-----------------|-----------------|------------|
| 264/1SM          | 20 - 16mm | 20mm            | 16mm            | 19mm       |
| 264/2SM          | 25 - 20mm | 25mm            | 20mm            | 22mm       |
| 264/3SM          | 32 - 25mm | 32mm            | 25mm            | 25mm       |
| 264/4SM          | 40 - 32mm | 40mm            | 32mm            | 29mm       |
| 264/5SM          | 50 - 40mm | 50mm            | 40mm            | 32mm       |



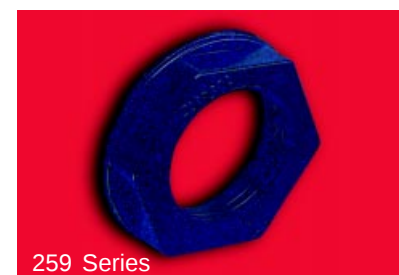
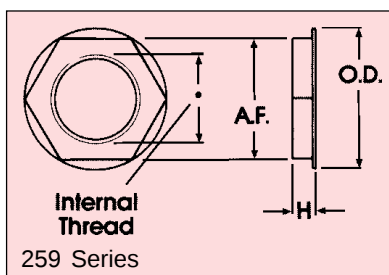
### Hexagonal Lock Nuts

Lock Nuts are compatible with all threaded conduit accessories and are available in sizes 16mm through to 50mm.

Only available in Black. Moulded in Black Nylon.

#### Hexagonal Lock Nuts

| Catalogue Number | Internal Thread | Outside Diameter (O.D.) | Grip Size (A.F.) | Depth (H) |
|------------------|-----------------|-------------------------|------------------|-----------|
| 259/16           | 16mm            | 27mm                    | 24mm             | 6mm       |
| 259/20           | 20mm            | 33mm                    | 28mm             | 6.5mm     |
| 259/25           | 25mm            | 40mm                    | 33mm             | 7mm       |
| 259/32           | 32mm            | 46mm                    | 40mm             | 8mm       |
| 259/40           | 40mm            | 57mm                    | 49mm             | 10mm      |
| 259/50           | 50mm            | 69mm                    | 60mm             | 12mm      |



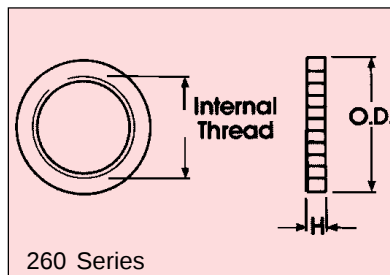
## Screwed Lock Rings

Lock Rings are compatible with all threaded conduit accessories and are available in sizes 16mm through to 100mm.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

| Screwed Lock Rings |                 |                         |           |
|--------------------|-----------------|-------------------------|-----------|
| Cat. No.           | Internal Thread | Outside Diameter (O.D.) | Depth (H) |
| 260/16             | 16mm            | 25mm                    | 4.6mm     |
| 260/20             | 20mm            | 29mm                    | 6.2mm     |
| 260/25             | 25mm            | 34mm                    | 5.0mm     |
| 260/32             | 32mm            | 40mm                    | 9.5mm     |
| 260/40             | 40mm            | 50mm                    | 11mm      |
| 260/50             | 50mm            | 60mm                    | 12.5mm    |
| *260/63            | 63mm            | 75mm                    | 10mm      |
| *260P80            | 80mm BSP        | 112mm                   | 20mm      |
| *260P100           | 100mm BSP       | 140mm                   | 24mm      |

\*Standard colour - Orange.

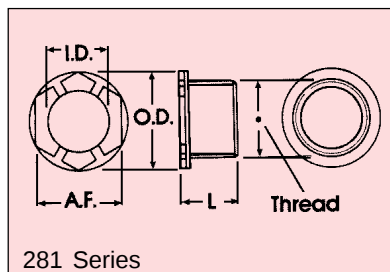


## Male Conduit Bushes

Male Conduit Bushes are ideal for the protection of cables passing through metal boxes and panels. They can be used in conjunction with 281F Female Conduit Bushes or with threaded couplings, lock nuts or lock rings.

Standard colour is Grey (GY). Orange (EO) available at extra cost.

| Male Conduit Bushes |        |                     |                         |                  |            |
|---------------------|--------|---------------------|-------------------------|------------------|------------|
| Cat. No.            | Thread | Through Size (I.D.) | Outside Diameter (O.D.) | Grip Size (A.F.) | Length (L) |
| 281/16              | 16mm   | 11mm                | 23mm                    | 20mm             | 14mm       |
| 281/20              | 20mm   | 14mm                | 26.5mm                  | 23mm             | 14mm       |
| 281/25              | 25mm   | 20mm                | 32mm                    | 28mm             | 14mm       |
| 281/32              | 32mm   | 26.5mm              | 39.5mm                  | 34mm             | 14mm       |
| 281/40              | 40mm   | 34mm                | 48mm                    | 42mm             | 21mm       |
| 281/50              | 50mm   | 43mm                | 57mm                    | 50mm             | 21mm       |



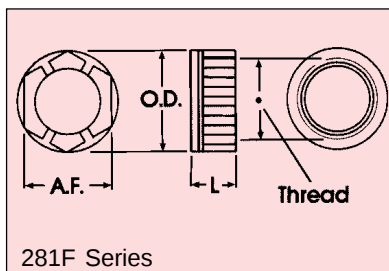
## Female Conduit Bushes

Female Conduit Bushes are ideal for the protection of cables passing through metal boxes and panels. They can be used in conjunction with 281 Series Male Conduit Bushes or with threaded nipples or conduit.

Standard colour is Grey (GY).  
Orange (EO) available at extra cost.

### Female Conduit Bushes

| Cat. No.      | Thread | Outside Diameter (O.D.) | Grip Size (A.F.) | Length (L) |
|---------------|--------|-------------------------|------------------|------------|
| <b>281F16</b> | 16mm   | 23mm                    | 20mm             | 14mm       |
| <b>281F20</b> | 20mm   | 26.5mm                  | 23mm             | 14mm       |
| <b>281F25</b> | 25mm   | 32mm                    | 28mm             | 14mm       |
| <b>281F32</b> | 32mm   | 39.5mm                  | 34mm             | 14mm       |
| <b>281F40</b> | 40mm   | 48mm                    | 42mm             | 20mm       |
| <b>281F50</b> | 50mm   | 57mm                    | 50mm             | 20mm       |



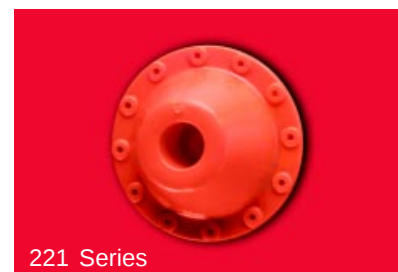
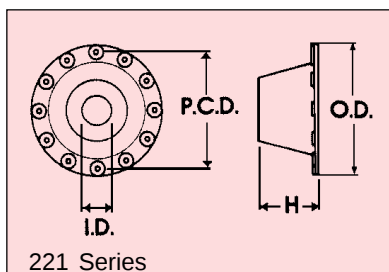
## Conduit Locating Flanges

Conduit Locating Flanges are an ideal way of securing conduit turn downs to formwork. They hold the conduit in place during the concrete pour and allow easy identification and retrieval afterwards.

Standard colour is Orange (EO).

### Conduit Locating Flanges

| Cat. No.      | Conduit Size | Outside Diameter (O.D.) | Height (H) | Fixing Diameter (P.C.D) |
|---------------|--------------|-------------------------|------------|-------------------------|
| <b>221/20</b> | 20mm         | 90mm                    | 40mm       | 80mm                    |
| <b>221/25</b> | 25mm         | 90mm                    | 40mm       | 80mm                    |
| <b>221/32</b> | 32mm         | 90mm                    | 40mm       | 80mm                    |



## Conduit Bell Mouths and Bell Mouth Couplings

Conduit Bell Mouths and Bell Mouth Couplings are designed to chamfer the ends of conduit runs to protect the cables as they are drawn in. The Bell Mouths fit inside a standard coupling, and the Bell Mouth Couplings fit over a plain conduit end. They are available in sizes 50mm through to 150mm (125mm to special order).

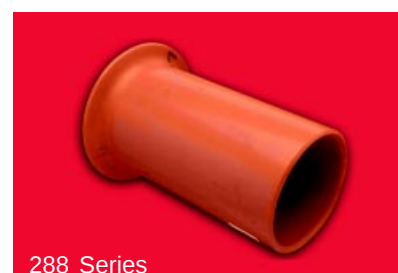
Available only in Orange (EO).

### Conduit Bell Mouth

| Catalogue Number | Outside Diameter |
|------------------|------------------|
| <b>288/50</b>    | 50mm             |
| <b>288/63</b>    | 63mm             |
| <b>288/80</b>    | 80mm             |
| <b>288/100</b>   | 100mm            |
| <b>288/150</b>   | 150mm            |

### Bell Mouth Coupling

| Catalogue Number | Outside Diameter |
|------------------|------------------|
| <b>288/50C</b>   | 50mm             |
| <b>288/63C</b>   | 63mm             |
| <b>288/80C</b>   | 80mm             |
| <b>288/100C</b>  | 100mm            |
| <b>288/150C</b>  | 150mm            |



## 90° Inspection Elbows

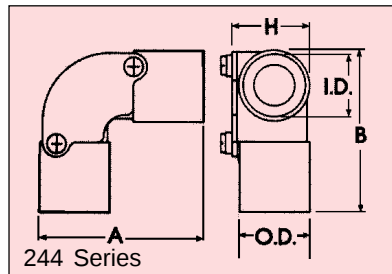
The 244 Series is a range of 90 degree Inspection Elbows from 16mm through to 63mm. The design allows the elbow to fit into corners neatly, and the inspection cover removes to allow easy wiring and rewiring.

Standard colour is Grey (GY) for sizes up to 50mm with Orange (EO) also available at extra cost. The 244/63 is fabricated from an adaptable box and adaptors, and is standard in Orange (EO). A limited range of Inspection Elbows is also available for Communication Conduit and Security Conduit.

Please refer to page 45.

| 90° Inspection Elbows |             |                    |                    |                        |
|-----------------------|-------------|--------------------|--------------------|------------------------|
| Catalogue Number      | Size (I.D.) | Overall Length (A) | Overall Length (B) | Height (H) (incl. Lid) |
| 244/16                | 16mm        | 59mm               | 59mm               | 28mm                   |
| 244/20                | 20mm        | 59mm               | 59mm               | 28mm                   |
| 244/25                | 25mm        | 66mm               | 66mm               | 35mm                   |
| 244/32                | 32mm        | 80mm               | 80mm               | 41mm                   |
| 244/40                | 40mm        | 95mm               | 95mm               | 50mm                   |
| 244/50                | 50mm        | 119mm              | 119mm              | 62mm                   |
| 244/63                | 63mm        | 265mm              | 162mm              | 107mm                  |

Certificate of Suitability No. CS/189/S.



## 90° Solid Elbows

The 245 Series is a range of 90 degree Solid Elbows from 16mm through to 25mm. The design allows the elbow to fit into corners neatly.

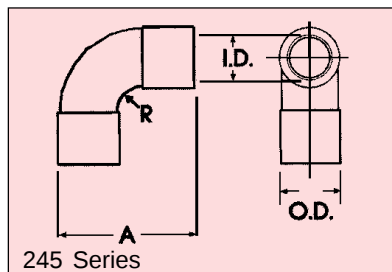
Standard colour is Grey (GY) with Orange (EO) also available at extra cost. An 80mm elbow is also available, standard colour Orange (EO).

A limited range of Solid Elbows is available for Communication Conduit and Security Conduit.

Please refer to pages 44 and 48 respectively.

| 90° Solid Elbows |             |                    |            |
|------------------|-------------|--------------------|------------|
| Catalogue Number | Size (I.D.) | Overall Length (A) | Radius (R) |
| 245/16           | 16mm        | 50mm               | 18mm       |
| 245/20           | 20mm        | 54mm               | 22mm       |
| 245/25           | 25mm        | 66mm               | 28mm       |
| *245P80          | 80mm        | 390mm              | 230mm      |

\*Standard colour - Orange.



## Inspection Tees

The 246 Series is a range of Inspection Tees from 16mm through to 63mm. The screw fixed inspection cover removes to allow easy wiring and rewiring. The 246C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

Standard colour is Grey (GY) for sizes up to 50mm with Orange (EO) also available at extra cost.

The 246/63 is fabricated from an adaptable box and adaptors, is standard in Orange (EO). A limited range of Inspection Elbows is also available for Communication Conduit and Security Conduit.

### Inspection Tees

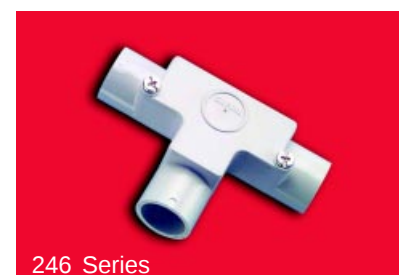
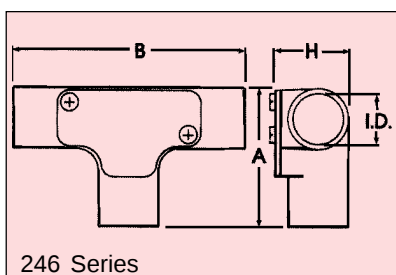
| Catalogue Number | Size (I.D.) | Tee Off Length (A) | In Line Length (B) | Height (incl. Lid) (H) |
|------------------|-------------|--------------------|--------------------|------------------------|
| <b>246/16</b>    | 16mm        | 55mm               | 92mm               | 29mm                   |
| <b>246/20</b>    | 20mm        | 55mm               | 92mm               | 29mm                   |
| <b>246C20</b>    | 20mm        | 55mm               | 92mm               | 29mm                   |
| <b>246/25</b>    | 25mm        | 69mm               | 108mm              | 37mm                   |
| <b>246/32</b>    | 32mm        | 82mm               | 127mm              | 44mm                   |
| <b>246/40</b>    | 40mm        | 94mm               | 145mm              | 50mm                   |
| <b>246/50</b>    | 50mm        | 120mm              | 180mm              | 62mm                   |
| <b>246/63</b>    | 63mm        | 162mm              | 319mm              | 107mm                  |

Certificate of Suitability No. CS/190/S.

\*246C20 includes clip-on lid.

\*\*Standard colour - Orange.

**Note:** Cat. No. 246/63 fabricated from a non metallic box and three 263/63 Adaptors with lock nuts.



## BENDS

The 247 Series Conduit Bends Range is available in short radius standard bends and large radius sweep bends. The Sweep Bends are available in both 45 degree and 90 degree forms. All are suitable for underground use.

### 90° Bends

The range of Standard Bends is from 16mm through to 63mm. The 247C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

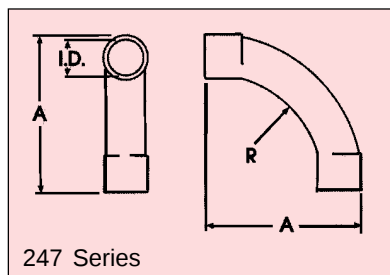
Standard colour is Grey (GY) for sizes up to 50mm with Orange (EO) also available at extra cost. The 246/63 is standard in Orange (EO). A limited range of Standard Bends is also available for Communication Conduit and Security Conduit.

Please refer to pages 46 and 48.

#### 90° Bends

| Catalogue Number | Size (I.D.) | Length (A) | Radius (R) |
|------------------|-------------|------------|------------|
| 247/16           | 16mm        | 68mm       | 41mm       |
| 247/20           | 20mm        | 83mm       | 47mm       |
| 247C20           | 20mm        | 83mm       | 47mm       |
| 247/25           | 25mm        | 106mm      | 64mm       |
| 247/32           | 32mm        | 134mm      | 83mm       |
| 247/40           | 40mm        | 155mm      | 100mm      |
| 247/50           | 50mm        | 205mm      | 120mm      |
| 247/63           | 63mm        | 258mm      | 166mm      |

Certificate of Suitability No. CS/191/S.



### 45° Large Sweep Bends

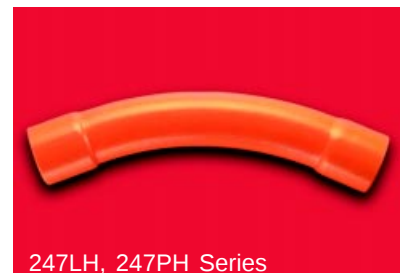
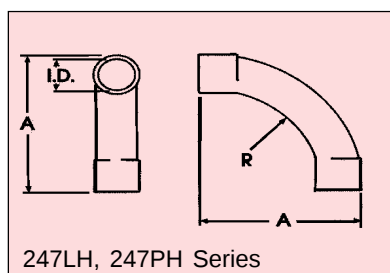
Available in a range of sizes from 20mm to 150mm.

Standard colour Orange (EO).

#### 45° Large Sweep Bends

| Catalogue Number | Size  | Inside Diameter (I.D.) | Radius (R) | Overall Height (A) | Overall Length (B) |
|------------------|-------|------------------------|------------|--------------------|--------------------|
| 247LH20          | 20mm  | 20mm                   | 150mm      | 76mm               | 145mm              |
| 247LH25          | 25mm  | 25mm                   | 150mm      | 78mm               | 157mm              |
| 247LH32          | 32mm  | 32mm                   | 312mm      | 135mm              | 270mm              |
| 247LH40          | 40mm  | 40mm                   | 312mm      | 145mm              | 280mm              |
| 247LH50          | 50mm  | 50mm                   | 320mm      | 170mm              | 310mm              |
| 247LH63          | 63mm  | 63mm                   | 325mm      | 190mm              | 357mm              |
| 247PH80          | 80mm  | 89mm                   | 580mm      | 330mm              | 610mm              |
| 247PH100         | 100mm | 114.5mm                | 715mm      | 410mm              | 750mm              |
| 247PH125         | 125mm | 140.4mm                | 600mm      | 420mm              | 850mm              |
| 247PH150         | 150mm | 160.5mm                | 870mm      | 538mm              | 1040mm             |

Standard colour - Orange.



### 90° Large Sweep Bends

Available in a range of sizes from 20mm to 150mm sizes.

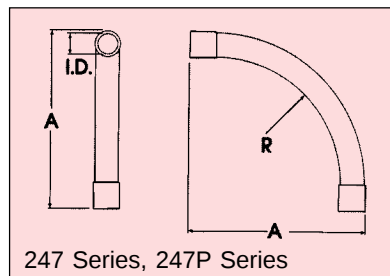
Standard colour Orange (EO). A limited range is also available in White for Communication Conduit.

Please refer to page 46.

#### 90° Large Sweep Bends

| Catalogue Number | Size  | Inside Diameter (I.D.) | Radius (R) | Overall Length (A) |
|------------------|-------|------------------------|------------|--------------------|
| 247L20           | 20mm  | 20mm                   | 150mm      | 185mm              |
| 247L25           | 25mm  | 25mm                   | 150mm      | 192mm              |
| 247L32           | 32mm  | 32mm                   | 312mm      | 350mm              |
| 247L40           | 40mm  | 40mm                   | 312mm      | 355mm              |
| 247L50           | 50mm  | 50mm                   | 320mm      | 360mm              |
| 247L63           | 63mm  | 63mm                   | 325mm      | 400mm              |
| 247P80           | 80mm  | 89mm                   | 550mm      | 660mm              |
| 247P100          | 100mm | 114.5mm                | 600mm      | 900mm              |
| 247P125          | 125mm | 140.4mm                | 600mm      | 960mm              |
| 247P150          | 150mm | 160.5mm                | 760mm      | 1050mm             |

Standard colour - Orange.



## JUNCTION BOXES 16MM TO 25MM

The 240 Series Junction Boxes are available in standard and tangential formats (20 and 25mm only), as well as in shallow and deep configurations. There are also some with lids, top and bottom, some top entry models, and a two piece tee off box which is ideal for additions to an existing installation.

All cover fixing screws are 3/16" B.S.W.

Certificate of Suitability  
No. CS/187/S.

### 240 Series Standard Shallow Junction Boxes

These are the traditional surface wiring conduit boxes. They are available in 16mm, 20mm, and 25mm in 1 through 4 way.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

#### With 16mm Entries

| Cat. No.  | Description                               |
|-----------|-------------------------------------------|
| 240/16/1  | Standard type with 1 way entry.           |
| 240/16/2  | Standard type with 2 way through entries. |
| 240/16/2A | Standard type with 2 way angle entries.   |
| 240/16/3  | Standard type with 3 way entries.         |
| 240/16/4  | Standard type with 4 way entries.         |

#### With 20mm Entries

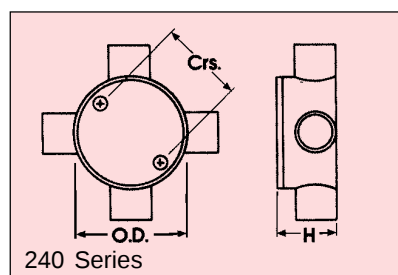
| Cat. No.   | Description                                                                            |
|------------|----------------------------------------------------------------------------------------|
| 240/20/1   | Standard type with 1 way entry.                                                        |
| 240/20/2   | Standard type with 2 way through entries.                                              |
| 240/20/2S1 | Standard type with 2 way through entries 1 x 20mm plain entry, 1 x 20mm screwed entry. |
| 240/20/2A  | Standard type with 2 way angle entries.                                                |
| 240/20/3   | Standard type with 3 way entries.                                                      |
| 240/20/4   | Standard type with 4 way entries.                                                      |

#### With 25mm Entries

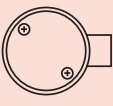
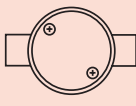
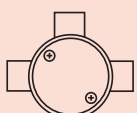
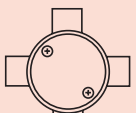
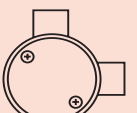
| Cat. No.  | Description                               |
|-----------|-------------------------------------------|
| 240/25/1  | Standard type with 1 way entry.           |
| 240/25/2  | Standard type with 2 way through entries. |
| 240/25/2A | Standard type with 2 way angle entries.   |
| 240/25/3  | Standard type with 3 way entries.         |
| 240/25/4  | Standard type with 4 way entries.         |

#### 240 Series Shallow Junction Boxes

| Cat. No.                          | Diameter (O.D.) | Height (H) | Screw Centres (Crs.) |
|-----------------------------------|-----------------|------------|----------------------|
| 240 Series Shallow Junction Boxes | 66mm            | 42mm       | 50mm                 |



#### Entry Arrangement

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| 1 Way                                                                               | 2 Way                                                                               |
|  |  |
| 3 Way                                                                               | 4 Way                                                                               |
|  |                                                                                     |
| 2 Way Angle                                                                         |                                                                                     |



### CT240 Clip Together Junction Box

Available only in 20mm 3 way, this clip together box is ideal for additions to an existing conduit run. Remove the lid and unclip the two halves of the box, remove a section of the conduit in the desired position, slip the base of the box under the cut out section. Add the additional wiring, clip the top in place and secure the lid.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

### T240 Series Tangential Shallow Junction Boxes

Tangential Boxes are unique to the Clipsal range. They are available in 20mm and 25mm, 1 through 4 way and offer much improved versatility and convenience for surface wiring applications.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

#### CT240 Clip Together Junction Box

| Cat. No.   | Description                         |
|------------|-------------------------------------|
| CT240/20/3 | 2 piece, 3 way T-Type Junction Box. |

#### With 20mm Entries

| Cat. No.   | Description                                 |
|------------|---------------------------------------------|
| T240/1R/20 | Tangential Box with 1 way right hand entry. |
| T240/1L/20 | Tangential Box with 1 way left hand entry.  |
| T240/2U/20 | Tangential Box with 2 way 'U' entries.      |
| T240/2A/20 | Tangential Box with 2 way angle entries.    |
| T240/2/20  | Tangential Box with 2 way through entries.  |
| T240/3Y/20 | Tangential Box with 3 way 'Y' entries.      |
| T240/3T/20 | Tangential Box with 3 way 'T' entries.      |
| T240/4H/20 | Tangential Box with 4 way 'H' entries.      |

#### With 25mm Entries

| Cat. No.   | Description                                 |
|------------|---------------------------------------------|
| T240/1R/25 | Tangential Box with 1 way right hand entry. |
| T240/1L/25 | Tangential Box with 1 way left hand entry.  |
| T240/2U/25 | Tangential Box with 2 way 'U' entries.      |
| T240/2A/25 | Tangential Box with 2 way angle entries.    |
| T240/2/25  | Tangential Box with 2 way through entries.  |
| T240/3Y/25 | Tangential Box with 3 way 'Y' entries.      |
| T240/3T/25 | Tangential Box with 3 way 'T' entries.      |
| T240/4H/25 | Tangential Box with 4 way 'H' entries.      |

Certificate of Suitability No. CS/703/S



#### Entry Arrangement

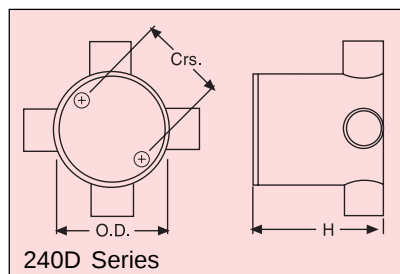
| 1 Way Right                                                                           | 1 Way Left                                                                            | 2 Way Angle                                                                           |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| 2 Way 'U' Type                                                                        | 2 Way Through                                                                         | 3 Way 'Y' Type                                                                        |
|  |  |  |
| 3 Way 'T' Type                                                                        | 4 Way 'H' Type                                                                        | 4 Way 'H' with 2 Way Through                                                          |
|  |  |  |
|                                                                                       |                                                                                       | Deep Type Only                                                                        |

## 240D Series Standard Deep Junction Boxes

The Deep Junction Box Series is designed primarily for inclusion in concrete pours. The design allows the face of the box to sit on the formwork and leave the entries well clear of the bottom steel reinforcing. They are available in 16mm, 20mm, and 25mm in 1 through 4 way.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

Entry arrangements same as 240 Series.



## 240DE Series Double End Deep Junction Boxes

These Junction Boxes are the same design as the standard Deep Boxes with the exception of having lids both top and bottom. This type is used where there is a desire to install the conduit and boxes on the deckwork and then install the cables prior to pouring of the slab. They are available in 16mm, 20mm, and 25mm in 1 through 4 way.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

Fixing screw thread -  $\frac{3}{16}$ " BSW. Certificate of Suitability No. CS/187/S.

Entry arrangements same as 240 Shallow Series.

### With 16mm Entries

| Cat. No.   | Description                           |
|------------|---------------------------------------|
| 240/16/1D  | Deep type with 1 way entry.           |
| 240/16/2D  | Deep type with 2 way through entries. |
| 240/16/2AD | Deep type with 2 way angle entries.   |
| 240/16/3D  | Deep type with 3 way entries.         |
| 240/16/4D  | Deep type with 4 way entries.         |

### With 20mm Entries

| Cat. No.   | Description                           |
|------------|---------------------------------------|
| 240/20/1D  | Deep type with 1 way entry.           |
| 240/20/2D  | Deep type with 2 way through entries. |
| 240/20/2AD | Deep type with 2 way angle entries.   |
| 240/20/3D  | Deep type with 3 way entries.         |
| 240/20/4D  | Deep type with 4 way entries.         |

### With 25mm Entries

| Cat. No.   | Description                           |
|------------|---------------------------------------|
| 240/25/1D  | Deep type with 1 way entry.           |
| 240/25/2D  | Deep type with 2 way through entries. |
| 240/25/2AD | Deep type with 2 way angle entries.   |
| 240/25/3D  | Deep type with 3 way entries.         |
| 240/25/4D  | Deep type with 4 way entries.         |

### 240 Series Deep Junction Boxes

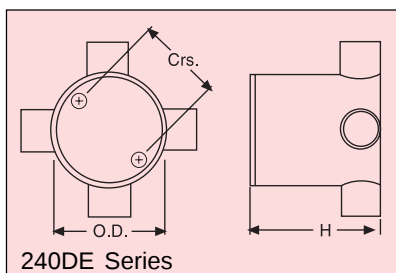
| Cat. No.                       | Diameter (O.D.) | Height (H) | Screw Centres |
|--------------------------------|-----------------|------------|---------------|
| 240 Series Deep Junction Boxes | 66mm            | 72mm       | 50mm          |

### With 16mm Entries

| Cat. No.    | Description                              |
|-------------|------------------------------------------|
| 240/16/1DE  | Deep type with two lids and 1 way entry. |
| 240/16/2DE  | Deep type with 2 way through entries.    |
| 240/16/2ADE | Deep type with 2 way angle entries.      |
| 240/16/3DE  | Deep type with 3 way entries.            |
| 240/16/4DE  | Deep type with 4 way entries.            |

### With 20mm Entries

| Cat. No.    | Description                              |
|-------------|------------------------------------------|
| 240/20/1DE  | Deep type with two lids and 1 way entry. |
| 240/20/2DE  | Deep type with 2 way through entries.    |
| 240/20/2ADE | Deep type with 2 way angle entries.      |
| 240/20/3DE  | Deep type with 3 way entries.            |
| 240/20/4DE  | Deep type with 4 way entries.            |

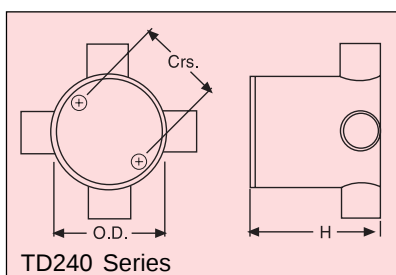


### TD240 Series Tangential Deep Junction Boxes

Deep Tangential Boxes combine the advantages of standard deep junction boxes with the unique benefits of Clipsal's tangential range. They are available in 20mm and 25mm 1 through 4 way.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

Fixing screw thread -  $\frac{3}{16}$ " BSW.  
Certificate of Suitability No. CS/703/S.



#### With 25mm Entries

| Cat. No.    | Description                              |
|-------------|------------------------------------------|
| 240/25/1DE  | Deep type with two lids and 1 way entry. |
| 240/25/2DE  | Deep type with 2 way through entries.    |
| 240/25/2ADE | Deep type with 2 way angle entries.      |
| 240/25/3DE  | Deep type with 3 way entries.            |
| 240/25/4DE  | Deep type with 4 way entries.            |

#### 240DE Series Junction Boxes

| Cat. No.                    | Diameter (O.D.) | Height (H) | Screw Centres |
|-----------------------------|-----------------|------------|---------------|
| 240DE Series Junction Boxes | 66mm            | 76mm       | 50mm          |

#### With 20mm Entries

| Cat. No.    | Description                                                            |
|-------------|------------------------------------------------------------------------|
| TD240/2/20  | Deep type with 2 way through entries.                                  |
| TD240/2A/20 | Deep type with 2 way angle entries.                                    |
| TD240/3T/20 | Deep type with 3 way 'T' entries.                                      |
| TD240/3Y/20 | Deep type with 3 way 'Y' entries.                                      |
| TD240/4H/20 | Deep type with 4 way 'H' entries.                                      |
| TD240/6R/20 | Deep type with 4 way 'H' entries and 2 x 25mm central through entries. |

#### With 25mm Entries

| Cat. No.    | Description                           |
|-------------|---------------------------------------|
| TD240/2/25  | Deep type with 2 way through entries. |
| TD240/2A/25 | Deep type with 2 way angle entries.   |
| TD240/3T/25 | Deep type with 3 way 'T' entries.     |
| TD240/3Y/25 | Deep type with 3 way 'Y' entries.     |
| TD240/4H/25 | Deep type with 4 way 'H' entries.     |

#### TD240 Series Junction Boxes

| Cat. No.                    | Diameter (O.D.) | Height (H) | Screw Centres |
|-----------------------------|-----------------|------------|---------------|
| TD240 Series Junction Boxes | 66mm            | 72mm       | 50mm          |



## Top Entry Deep Junction Boxes

Top Entry Boxes are an adaptation of our standard deep boxes to allow installation into pre-formed concrete installations. They are available in 2 way and 4 way only.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

Fixing screw threads -  $\frac{3}{16}$ " BSW. Certificate of Suitability No. CS/703/S.

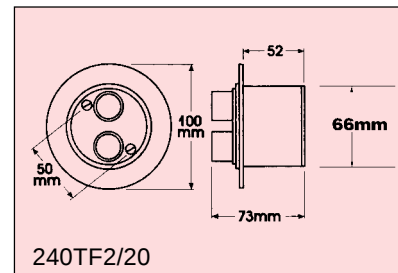
### Top Entry Deep Junction Boxes

| Cat. No.         | Description                                  |
|------------------|----------------------------------------------|
| <b>240TF4/20</b> | Deep Junction Box with 4 x 20mm top entries. |
| <b>240TF2/20</b> | Deep Junction Box with 2 x 20mm top entries. |



### Top Entry Deep Junction Boxes - Dimensional Details

| Cat. No.            | Diameter (O.D.) | Height (H) | Fascia Height |
|---------------------|-----------------|------------|---------------|
| <b>240TF Series</b> | 100mm           | 73mm       | 52mm          |



Please refer to pages 34 - 36 for accessories for Round Junction Boxes.

## 253 Series Slimline Junction Boxes

These Slimline Junction Boxes provide maximum space for drawing in or joining cables and are narrow enough to be installed behind fluorescent lights and similar equipment. They are available in 20mm and 25mm two way only, in deep and shallow versions.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

### 253 Series Slimline Junction Boxes

| Catalogue Number | Overall Width | Dimensions Length | Depth | Conduit Entries |
|------------------|---------------|-------------------|-------|-----------------|
| <b>253/20/2</b>  | 30mm          | 150mm             | 42mm  | 20mm            |
| <b>253/20/2D</b> | 30mm          | 150mm             | 72mm  | 20mm            |
| <b>253/25/2</b>  | 30mm          | 150mm             | 42mm  | 25mm            |
| <b>253/25/2D</b> | 30mm          | 150mm             | 72mm  | 25mm            |



## JUNCTION BOXES 32MM TO 50MM

### Junction Boxes 32mm to 50mm

Junction Boxes in this range are based on the same design as the 265 Series Adaptable Enclosures, and so ensure ample room for drawing in and terminating the expected larger cables. They are available 1 through 4 way.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

#### With 32mm Entries

| Cat. No.  | Description            |
|-----------|------------------------|
| 252/32/1  | 1 way entry.           |
| 252/32/2  | 2 way through entries. |
| 252/32/2A | 2 way angle entries.   |
| 252/32/3  | 3 way entries.         |
| 252/32/4  | 4 way entries.         |

#### With 40mm Entries

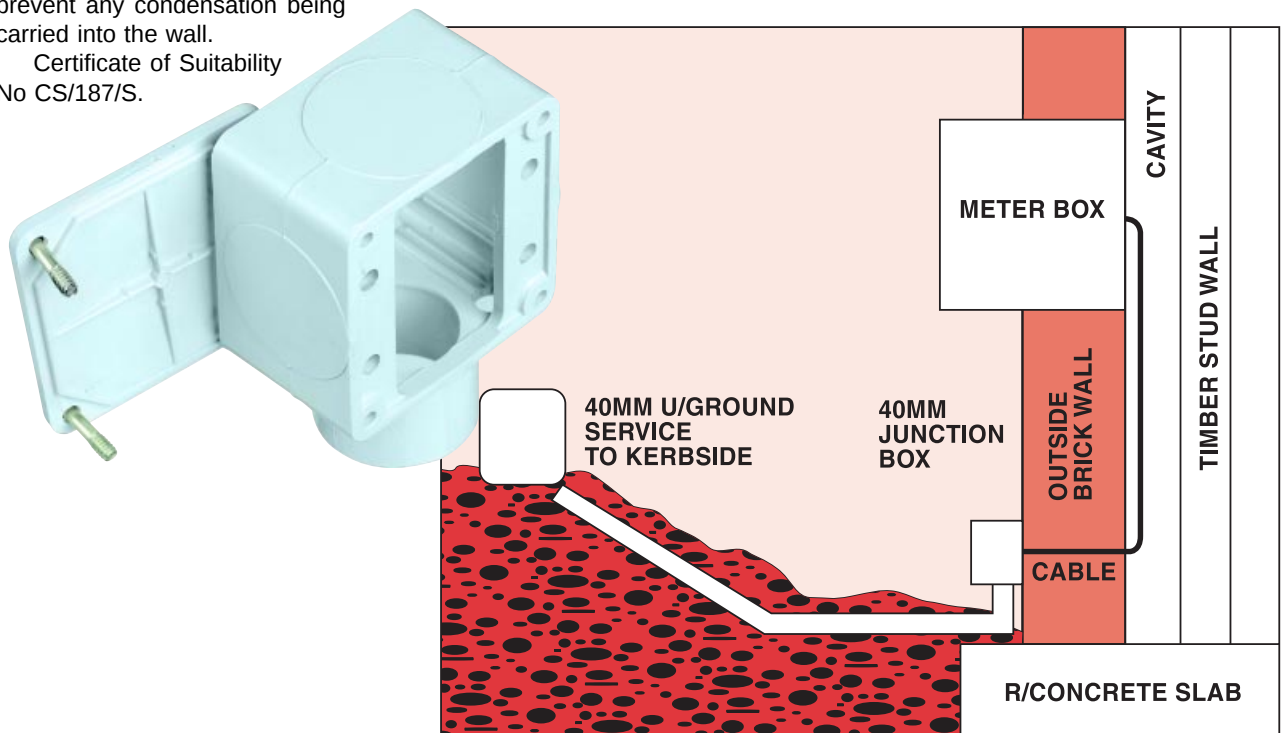
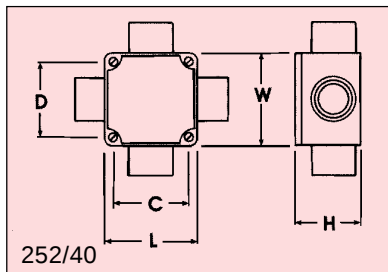
| Cat. No.  | Description                                   |
|-----------|-----------------------------------------------|
| 252/40/1  | 1 way entry.                                  |
| 252/40/2  | 2 way through entries.                        |
| 252/40/2A | 2 way angle entries.                          |
| 252/40/3  | 3 way entries.                                |
| 252/40/4  | 4 way entries.                                |
| 252/40DRB | Square Draw in Junction Box with 1 way entry. |

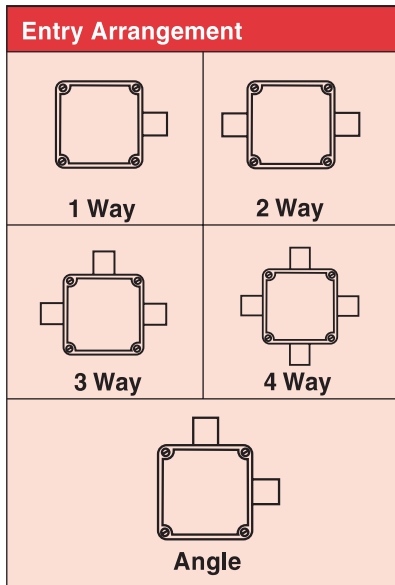
#### Junction Boxes 32mm to 50mm

| Cat. No. | Length (L) | Width (W) | Height (H) | Screw Centres (C&D) |
|----------|------------|-----------|------------|---------------------|
| 252/32   | 77mm       | 77mm      | 54mm       | 63.5mm              |
| 252/40   | 77mm       | 77mm      | 54mm       | 63.5mm              |
| 252/50   | 108mm      | 108mm     | 76mm       | 89mm                |

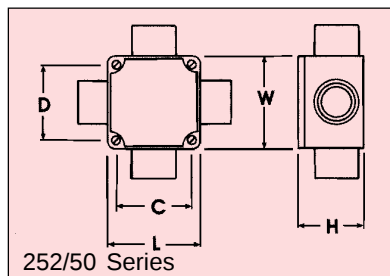
A particular feature of this range is the 252/40DRB. This product has been especially designed to facilitate termination of underground service conduits. Features include an open rear section of the box to allow easy installation of cable in the cavity, pre-drilled fixing holes, and a pre-drilled weep hole to prevent any condensation being carried into the wall.

Certificate of Suitability  
No CS/187/S.





| With 50mm Entries |                        |
|-------------------|------------------------|
| Cat. No.          | Description            |
| 252/50/1          | 1 way entry.           |
| 252/50/2          | 2 way through entries. |
| 252/50/2A         | 2 way angle entries.   |
| 252/50/3          | 3 way entries.         |
| 252/50/4          | 4 way entries.         |

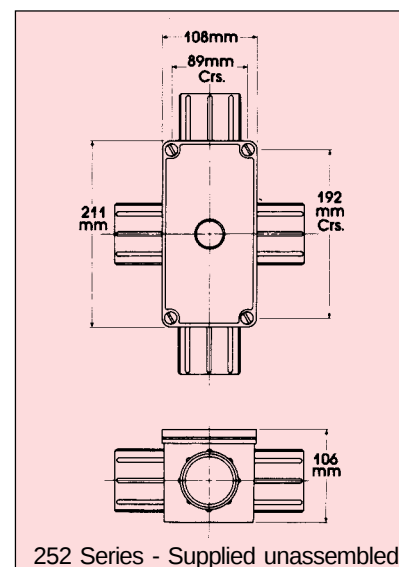


## JUNCTION BOXES 63MM

Junction Boxes in this range are based on the same design as the 265 Series Adaptable Enclosures, and so ensure ample room for drawing in and terminating the expected larger cables. They are available 1 through 4 way.

Standard colour is Orange (EO).

| With 63mm Entries |                        |
|-------------------|------------------------|
| Cat. No.          | Description            |
| 252/63/1          | 1 way entry.           |
| 252/63/2          | 2 way through entries. |
| 252/63/2A         | 2 way angle entries.   |
| 252/63/3          | 3 way entries.         |
| 252/63/4          | 4 way entries.         |

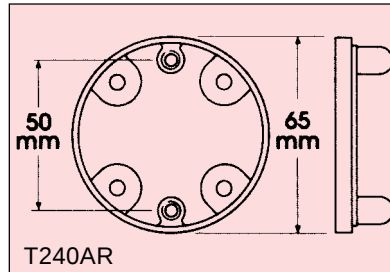


## ACCESSORIES FOR ROUND JUNCTION BOXES

### T240AR Adaptable Ring

Adaptable Ring for round tangential junction boxes. Allows Cat. Nos. 31VR and WSR226 Switches to be mounted perpendicularly.

Fixing screw threads -  $\frac{3}{16}$ " BSW.  
Standard colour - Grey, with Orange (EO) available at extra cost.



### T240/4H/20D Divider - For Segregated Services

Divider for segregated services in Clipsal T240/4H/20 and T240/4H/25 Junction Boxes.



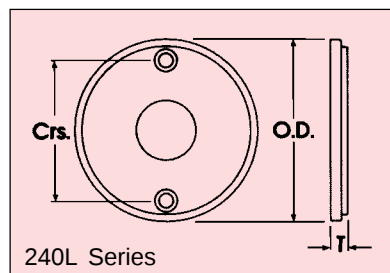
### 240 Spare Lids

Replacement Lids are available for 240 Series Junction Boxes.

Standard colour is Grey (GY) with Orange (EO) also available at extra cost.

#### 240 Spare Lids

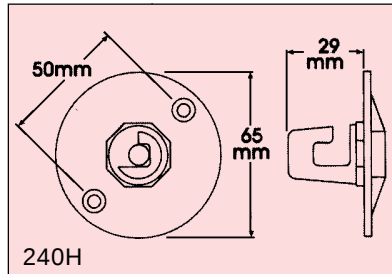
| Cat. No. | Outside Diameter (O.D.) | Thickness (T) | Centres (Cr.) |
|----------|-------------------------|---------------|---------------|
| 240L     | 65mm                    | 6mm           | 50mm          |



### 240H Junction Box Lid with Hook

A useful accessory when mounting light fittings on jack chain. The 240H provides a suspension point for the chain, and enables the supply flex to exit the junction box adjacent to it, allowing it to run neatly down the chain to the fitting.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost.



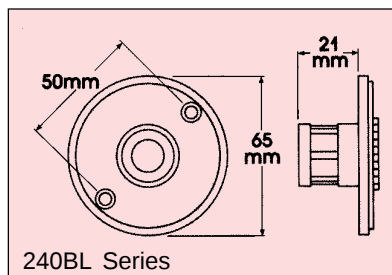
### 240BL Series Back Entry Lid

This accessory has a conduit spigot attached to a standard box lid to allow cabling to exit via 16mm, 20mm or 25mm conduit.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost.

#### 240BL Series Back Entry Lids

| Cat. No. | Description          |
|----------|----------------------|
| 240/16BL | 16mm Back Entry Lid  |
| 240/20BL | 20mm Back Entry Lid. |
| 240/25BL | 25mm Back Entry Lid. |



### 240CF Series Cover Flanges

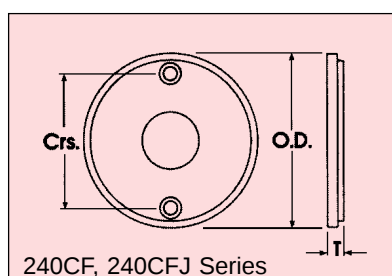
Clipsal offers two cover flanges to provide a tidier finish on strip finish concrete ceilings.

#### 240CF Series Cover Flanges

| Cat. No. | Description                                                                                                                                                    |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 240CF    | Cover Flange for round junction boxes. Tidies junction box installation in poured concrete. Can also be used to mount smoke detectors. Standard colour - Grey. |
| 240CFJ   | Cover Flange for round junction boxes. Standard colour - White Electric.                                                                                       |

#### 240CF Series Cover Flanges - Dimensional Details

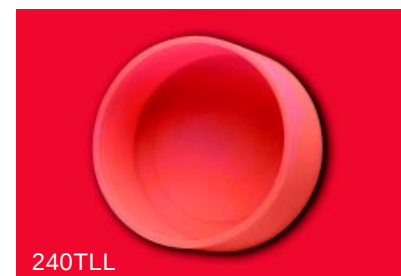
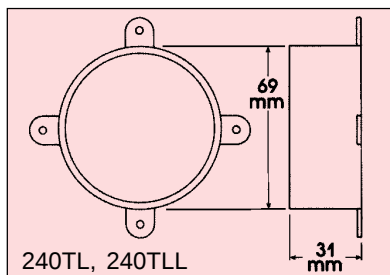
| Cat. No. | Outside Diameter (O.D.) | Thickness (T) | Centres (Crs.) |
|----------|-------------------------|---------------|----------------|
| 240CF    | 85mm                    | 4mm           | 50mm           |
| 240CFJ   | 100mm                   | 4.5mm         | 50mm           |



### Disposable Covers

Disposable Covers are an ideal way of securing conduit boxes to formwork. They hold the conduit box in place during the concrete pour and allow easy identification and retrieval afterwards. The **240TL** has lugs to allow for fixing by clouts or similar, and the **240TLL** has the lugs removed to allow for alternative fixing.

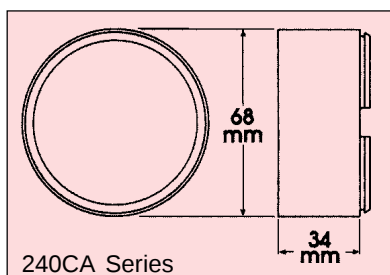
Standard colour is Orange (EO).



### Clip Adaptor

The Conduit Box Clip Adaptor has been designed to locate conduit boxes in metal formwork such as the Spandek system. The Adaptor locates in a 63mm diameter hole drilled in the formwork, holding the box firm during the pour.

Available only in Transparent (TR).

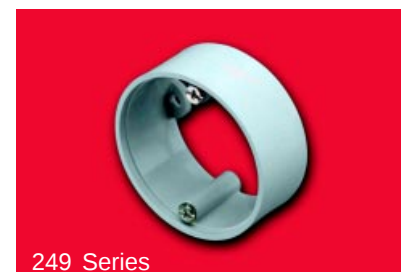
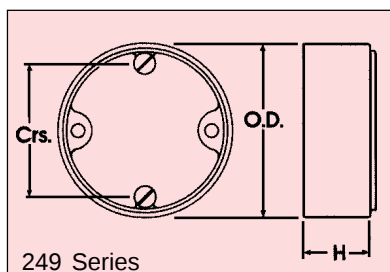


### 249 Series Extension Rings

Extension Rings fit all 240 Series Junction Boxes and are designed to provide extra space for additional terminations or bring forward the fixing points to allow easier mounting of accessories.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost.

| 249 Series Extension Rings |                  |            |                |
|----------------------------|------------------|------------|----------------|
| Catalogue Number           | Outside Diameter | Height (H) | Centres (Crs.) |
| <b>249/12</b>              | 65mm             | 12mm       | 50mm           |
| <b>249/25</b>              | 65mm             | 25mm       | 50mm           |



## FIXING ACCESSORIES

Clipsal offers a range of fixing accessories for conduit products: metal full saddles (plated and stainless steel)

- metal half saddles
- with and without nails fitted
- full moulded saddles
- spacers
- moulded clips for direct mounting or use with a mounting channel.

### Full Saddles - Metal

A full range of full metal saddles is manufactured in plated finishes and a more limited range in stainless steel.

Plating finish options include black zinc, standard zinc plate, and hot dip galvanised.

### Half Saddles - Metal

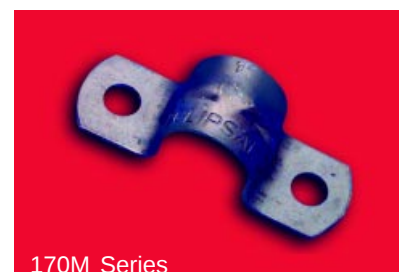
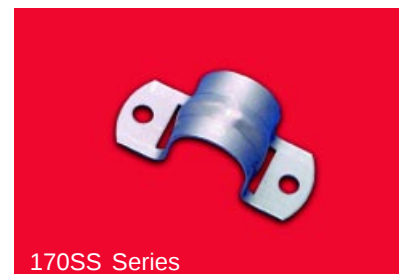
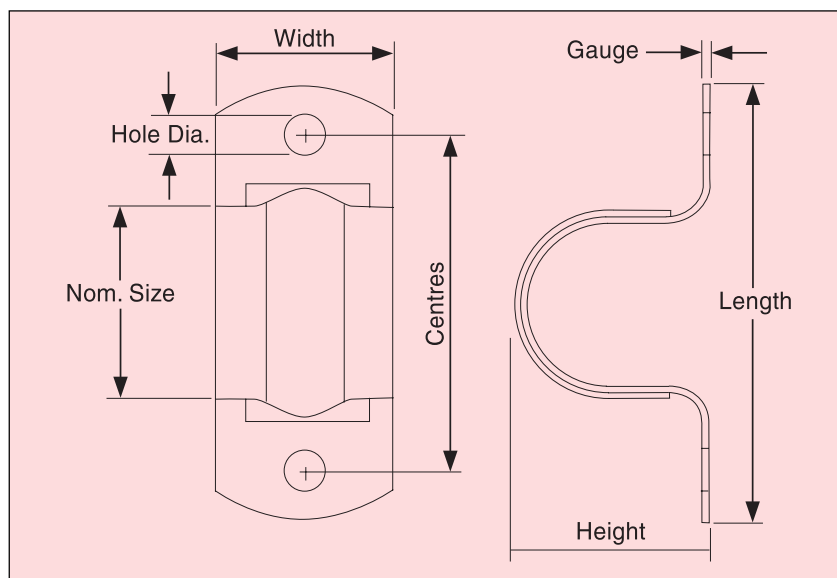
A comprehensive range of half saddles is also available to provide sure fixing and quicker installation. 16mm, 20mm and 25mm sizes are available with larger diameter mounting holes.

#### Metal Saddles

| Cat. Number | Size   | Finish     | Gauge | Hole Diameter | Centres | Length | Width | Height |
|-------------|--------|------------|-------|---------------|---------|--------|-------|--------|
| 170GM       | 12.7mm | Zinc Plate | .7mm  | 5mm           | 28mm    | 40mm   | 13mm  | 14mm   |
| 170M        | 12.7mm | Black Zinc | .7mm  | 5mm           | 28mm    | 40mm   | 13mm  | 14mm   |
| 171GM       | 16mm   | Zinc Plate | .7mm  | 5mm           | 32mm    | 45mm   | 13mm  | 18mm   |
| 171M        | 16mm   | Black Zinc | .7mm  | 5mm           | 32mm    | 45mm   | 13mm  | 18mm   |
| 172GM       | 20mm   | Zinc Plate | .7mm  | 5mm           | 39mm    | 50mm   | 16mm  | 23mm   |
| 172M        | 20mm   | Black Zinc | .7mm  | 5mm           | 39mm    | 50mm   | 16mm  | 23mm   |
| 173GM       | 25mm   | Zinc Plate | .9mm  | 5mm           | 48mm    | 62mm   | 19mm  | 28mm   |
| 173M        | 25mm   | Black Zinc | .9mm  | 5mm           | 48mm    | 62mm   | 19mm  | 28mm   |
| 174GM       | 32mm   | Zinc Plate | 1.2mm | 6mm           | 63mm    | 79mm   | 25mm  | 35mm   |
| 174M        | 32mm   | Black Zinc | 1.2mm | 6mm           | 63mm    | 79mm   | 25mm  | 35mm   |
| 175GM       | 40mm   | Zinc Plate | 1.2mm | 6mm           | 71mm    | 87mm   | 25mm  | 44mm   |
| 175M        | 40mm   | Black Zinc | 1.2mm | 6mm           | 71mm    | 87mm   | 25mm  | 44mm   |
| 176GM       | 50mm   | Zinc Plate | 1.2mm | 6mm           | 92mm    | 108mm  | 25mm  | 53mm   |
| 176M        | 50mm   | Black Zinc | 1.2mm | 6mm           | 92mm    | 108mm  | 25mm  | 53mm   |
| 178/63      | 63mm   | Zinc Plate | 1.6mm | 7mm           | 107mm   | 130mm  | 39mm  | 66mm   |
| 178/80PP    | 80mm   | Zinc Plate | 1.6mm | 9mm           | 136mm   | 166mm  | 40mm  | 92mm   |
| 178/100PP   | 100mm  | Zinc Plate | 1.6mm | 9mm           | 160mm   | 190mm  | 40mm  | 118mm  |

#### Stainless Steel Saddles

| Cat. Number | Size | Gauge | Max. Slot Width | Hole Diameter | Centres | Length | Width | Height |
|-------------|------|-------|-----------------|---------------|---------|--------|-------|--------|
| 172SS       | 20mm | .9mm  | 135mm           | 5mm           | 39mm    | 50mm   | 20mm  | 24mm   |
| 173SS       | 25mm | .9mm  | 135mm           | 5mm           | 48mm    | 62mm   | 20mm  | 28mm   |
| 174SS       | 32mm | .9mm  | 135mm           | 5mm           | 63mm    | 79mm   | 25mm  | 35mm   |
| 175SS       | 40mm | 1.2mm | 135mm           | 5mm           | 71mm    | 87mm   | 25mm  | 44mm   |
| 176SS       | 50mm | 1.2mm | 135mm           | 5mm           | 92mm    | 108mm  | 25mm  | 55mm   |

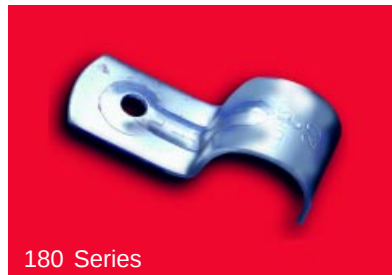


| Zinc Plated Half Saddles |        |            |       |               |        |       |        |
|--------------------------|--------|------------|-------|---------------|--------|-------|--------|
| Cat. Number              | Size   | Finish     | Gauge | Hole Diameter | Length | Width | Height |
| 180/12                   | 12.7mm | Zinc Plate | .7mm  | 5mm           | 36mm   | 16mm  | 15mm   |
| 180/16                   | 16mm   | Zinc Plate | 1.4mm | 5mm           | 46mm   | 19mm  | 18mm   |
| 180/20                   | 20mm   | Zinc Plate | 1.4mm | 5mm           | 50mm   | 19mm  | 22mm   |
| 180/32                   | 32mm   | Zinc Plate | 1.2mm | 7mm           | 67mm   | 24mm  | 33mm   |
| 180/40                   | 40mm   | Zinc Plate | 1.2mm | 7mm           | 74mm   | 32mm  | 41mm   |
| 180/50                   | 50mm   | Zinc Plate | 1.6mm | 7mm           | 85mm   | 39mm  | 54mm   |
| 180A16                   | 16mm   | Zinc Plate | 1.4mm | 6.5mm         | 46mm   | 19mm  | 18mm   |
| 180A20                   | 20mm   | Zinc Plate | 1.4mm | 6.5mm         | 50mm   | 19mm  | 22mm   |
| 180A25                   | 25mm   | Zinc Plate | 1.2mm | 6.5mm         | 60mm   | 25mm  | 66mm   |

| Zinc Plated Half Saddles with Fixing Nails |      |            |       |            |        |       |        |
|--------------------------------------------|------|------------|-------|------------|--------|-------|--------|
| Cat. Number                                | Size | Finish     | Gauge | Nail Size  | Length | Width | Height |
| 180N16                                     | 16mm | Zinc Plate | 1.4mm | 25 x 2.8mm | 46mm   | 19mm  | 18mm   |
| 180N20                                     | 20mm | Zinc Plate | 1.4mm | 25 x 2.8mm | 50mm   | 19mm  | 22mm   |
| 180N25                                     | 25mm | Zinc Plate | 1.2mm | 25 x 2.8mm | 57.3mm | 26mm  | 26mm   |

### Half Saddles with Nails

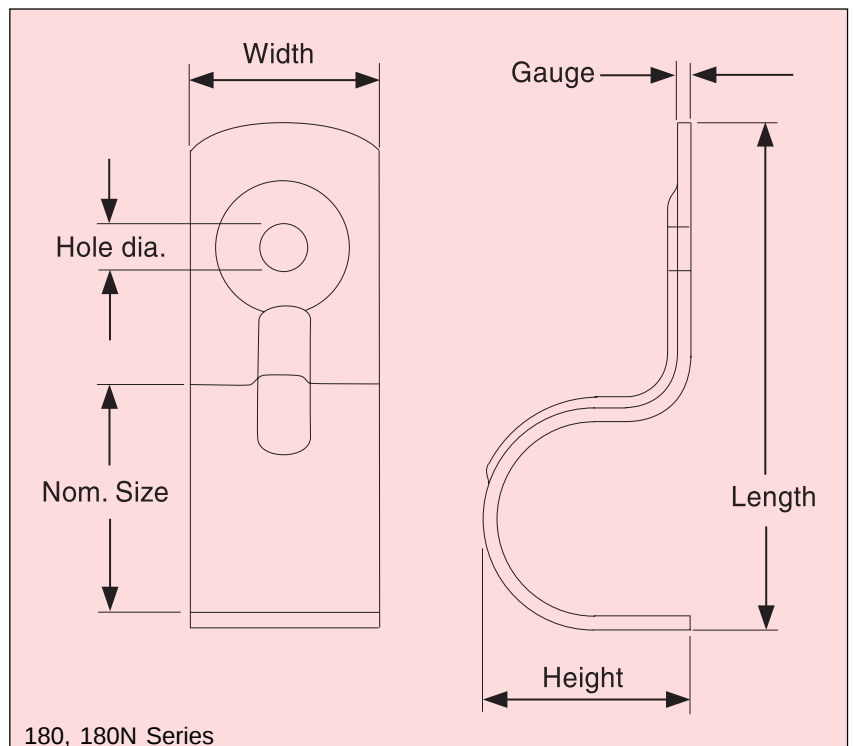
A limited range of Half Saddles is also available with hardened masonry nails.



180 Series



180N Series



### Full Saddles - Moulded

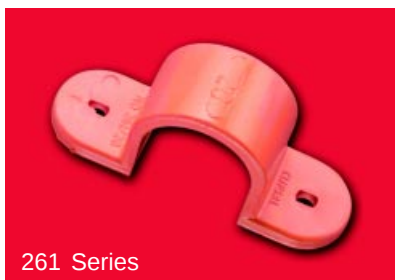
Where neatness and corrosion resistance are imperative, moulded saddles are often the best solution. The 261 Series is tough and UV resistant, and colour matched to the Clipsal conduit product range.

Sizes 16mm through 50mm are Grey (GY) as standard, with Orange (EO) available at extra cost.

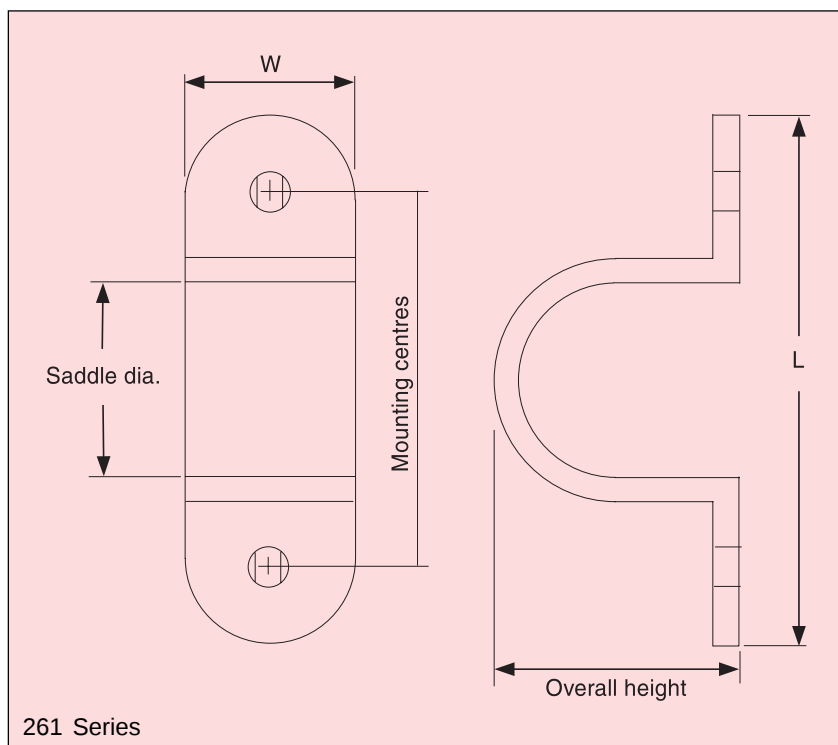
The 261/63 is only available in Orange (EO).

| Moulded Full Saddles |                  |            |           |                |                  |
|----------------------|------------------|------------|-----------|----------------|------------------|
| Cat. No.             | Saddles Diameter | Length (L) | Width (W) | Overall Height | Mounting Centres |
| 261/16               | 16mm             | 46mm       | 15mm      | 18mm           | 32mm             |
| 261/20               | 20mm             | 57mm       | 16mm      | 23mm           | 40mm             |
| 261/25               | 25mm             | 63mm       | 20mm      | 29mm           | 48mm             |
| 261/32               | 32mm             | 82mm       | 22mm      | 35mm           | 60mm             |
| 261/40               | 40mm             | 84mm       | 24mm      | 45mm           | 65mm             |
| 261/50               | 50mm             | 105mm      | 27mm      | 56mm           | 78mm             |
| *261/63              | 63mm             | 120mm      | 33mm      | 69mm           | 91mm             |

\*Standard colour - Orange.



261 Series



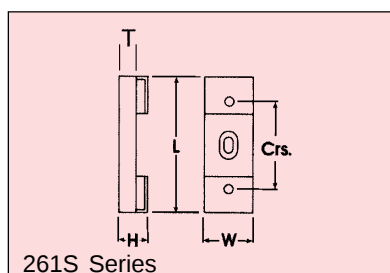
261 Series

### Saddle Spacers

Saddles Spacers set a conduit run off the wall 8mm to allow easier cleaning and repainting and to facilitate entry into equipment. They are available in sizes 16mm through 25mm.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost.

| Saddle Spacers   |      |            |           |                |              |            |
|------------------|------|------------|-----------|----------------|--------------|------------|
| Catalogue Number | Size | Length (L) | Width (W) | Centres (Crs.) | Standoff (T) | Height (H) |
| 261S16           | 16mm | 55mm       | 21mm      | 32mm           | 8mm          | 14mm       |
| 261S20           | 20mm | 61mm       | 22mm      | 40mm           | 8mm          | 14mm       |
| 261S25           | 25mm | 74mm       | 26mm      | 48mm           | 8mm          | 14mm       |



261S Series



261S Series

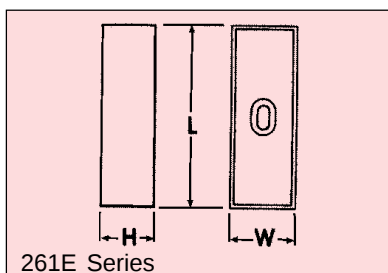
### Saddle Extension Spacers

Extension Spacers allow the stand off provided by the spacers to be extended a further 18mm. They are only available in 20mm and 25mm sizes.

Standard colour is Grey (GY), with Orange (EO) available at extra cost.

#### Saddle Extension Spacers

| Cat. No.      | To Suit Cat. No. | Length (L) | Width (W) | Height (H) |
|---------------|------------------|------------|-----------|------------|
| <b>261E20</b> | 261S20           | 61mm       | 22mm      | 18mm       |
| <b>261E25</b> | 261S25           | 74mm       | 26mm      | 18mm       |



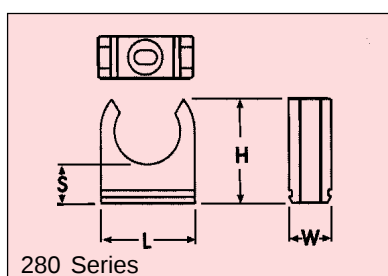
### 280 Series Conduit Clips

280 Series Conduit Clips are a clip in type conduit mount that can be mounted direct onto a wall or other surface, or slid into a 280MC Mounting Channel. They are available in sizes 16mm through to 50mm, and provide a standoff of between 9mm and 13mm.

Standard colour is Grey (GY), with Orange (EO) available at extra cost.

#### 280 Series Conduit Clips

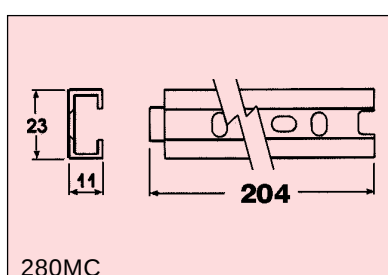
| Cat. No.      | Conduit Accommodated | Standoff (S) | Length (L) | Height (H) | Width (W) |
|---------------|----------------------|--------------|------------|------------|-----------|
| <b>280/16</b> | 16mm                 | 9mm          | 22mm       | 23mm       | 12mm      |
| <b>280/20</b> | 20mm                 | 11mm         | 27mm       | 29mm       | 12mm      |
| <b>280/25</b> | 25mm                 | 13mm         | 34mm       | 36mm       | 12mm      |
| <b>280/32</b> | 32mm                 | 9mm          | 41mm       | 38mm       | 12mm      |
| <b>280/40</b> | 40mm                 | 12mm         | 49mm       | 46mm       | 12mm      |
| <b>280/50</b> | 50mm                 | 13mm         | 62mm       | 54mm       | 12mm      |



### 280 Series Mounting Channel

The 280 Series Mounting System is a fast and economical way of mounting a series of parallel conduits. Simply fix the mounting channel at the required spacing over the conduit route. The clips slide into the channel, and the conduit clips into place. The channels can be mounted adjacent and interlocked.

Standard colour is Grey (GY), with Orange (EO) available at extra cost.



## 265 SERIES ADAPTABLE BOXES

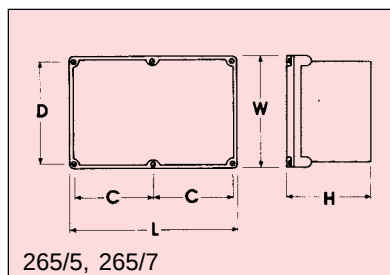
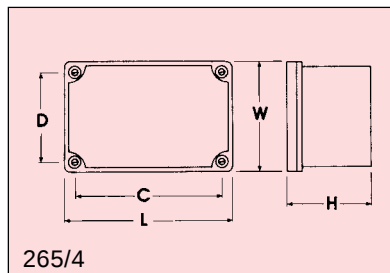
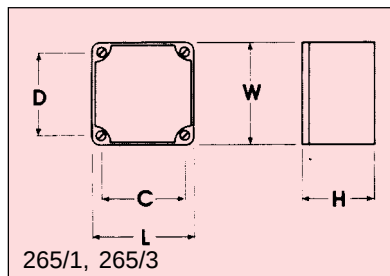
The 265 Series is a range of IP56 rated insulated boxes suitable for numerous junctions and terminations. Each box is supplied with a 3mm sealing gasket. The 265/7D is also available with a transparent lid.

Standard colour is Grey (GY), with Orange (EO) available at extra cost.

**265 Series Adaptable Boxes**

| Catalogue Number | Length (L) | Width (W) | Height (H) | Screw Centres (C) | Screw Centres (D) |
|------------------|------------|-----------|------------|-------------------|-------------------|
| 265/1            | 77mm       | 77mm      | 54mm       | 63.5mm            | 63.5mm            |
| 265/3            | 108mm      | 108mm     | 76mm       | 89mm              | 89mm              |
| 265/4            | 163mm      | 108mm     | 81mm       | 143.7mm           | 89mm              |
| 265/5            | 211mm      | 108mm     | 81mm       | 96mm              | 89mm              |
| 265/7            | 300mm      | 200mm     | 152mm      | 144.5mm           | 189mm             |
| 265/7D           | 300mm      | 200mm     | 200mm      | 144.5mm           | 189mm             |

Nominal Dimensions.



### 265 Series Sealing Gaskets

Replacement Gaskets are available as a spare part. To order, insert GT in the relevant box's catalogue number, eg. The replacement gasket for a 265/1 is a 265GT1.

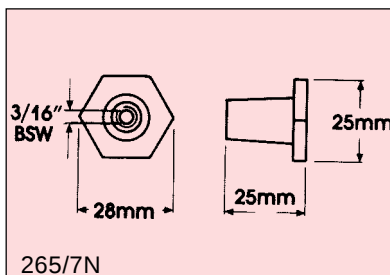
### 265 Series Spacer Nut

The 265/7N is a 25mm Spacer Nut used for fixing a panel on an adaptable box for mounting components. The nut is fitted with a 3/16 inch BSW thread and glues to the box with conduit jointing cement.

Standard colour is Grey.

### 265 Series Spacer Nut

| Cat. No. | Description                                                                                                                                                                                                                                                                                         |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 265/7N   | PVC Spacer Nut to fix panels to bottom of adaptable boxes for attachment of components. Fix to box with rigid PVC cement (Cat. No. 240U). Fitted with $\frac{3}{16}$ " BSW thread. Overall length - 25mm. Dimensions across flats - 25mm. Dimensions across corners - 28mm. Standard colour - Grey. |

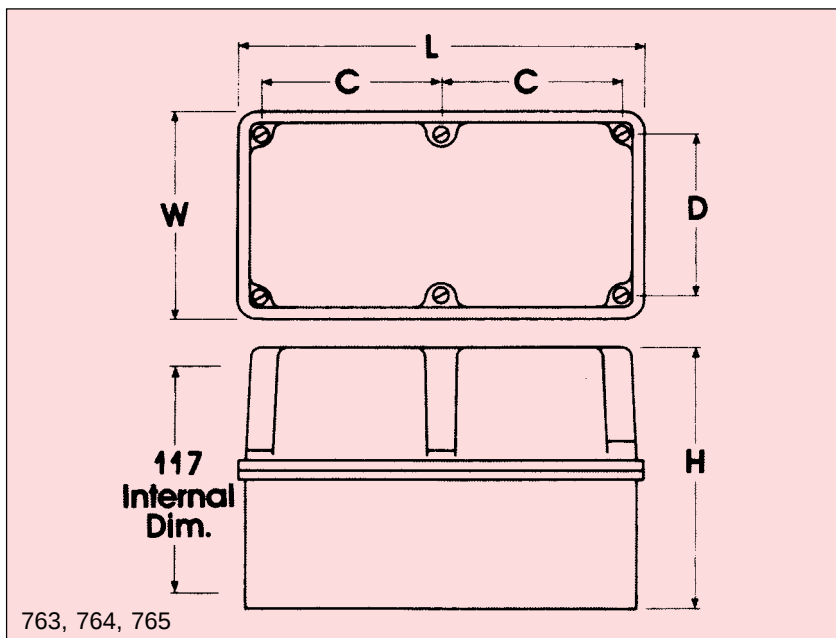


### 760 Series Adaptable Enclosures

The 760 Series is a range of enclosures for mounting equipment such as timers, relays and contactors. They are fitted with a clear, high clearance lid, and an insulated gear tray.

### 760 Series Adaptable Enclosures

| Cat. No. | Length (L) | Width (W) | Height (H) | C       | D    |
|----------|------------|-----------|------------|---------|------|
| 763      | 108mm      | 108mm     | 139mm      | 89mm    | 89mm |
| 764      | 163mm      | 108mm     | 142mm      | 143.7mm | 89mm |
| 765      | 211mm      | 108mm     | 139mm      | 96mm    | 89mm |



763



764



765

## FLEXIBLE CONDUIT TERMINATORS

Clipsal offers the most comprehensive range of accessories for terminating flexible conduit into enclosures. All terminators are supplied with a lock ring and clamp band.

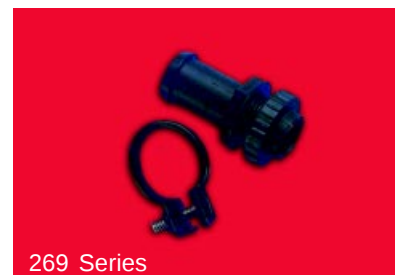
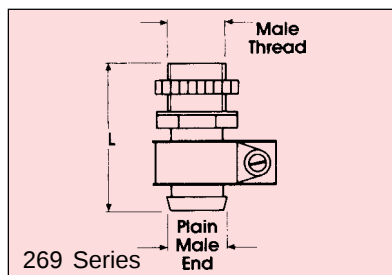
Standard colour is Black.

### Straight Type

The 269 straight Type Terminators are available in sizes from 16mm to 50mm. In all cases the thread size is nominally the same size as the flexible conduit spigot. The 268M has a 20mm thread but accepts 16mm flexible conduit.

#### Flexible Conduit Terminators - Straight Type

| Cat. No.      | Male Thread | Plain Male End | Length (L) |
|---------------|-------------|----------------|------------|
| <b>268M</b>   | 20mm        | 16mm           | 49mm       |
| <b>269/16</b> | 16mm        | 16mm           | 43mm       |
| <b>269/20</b> | 20mm        | 20mm           | 51mm       |
| <b>269/25</b> | 25mm        | 25mm           | 55mm       |
| <b>269/32</b> | 32mm        | 32mm           | 55mm       |
| <b>269/40</b> | 40mm        | 40mm           | 66mm       |
| <b>269/50</b> | 50mm        | 50mm           | 75mm       |

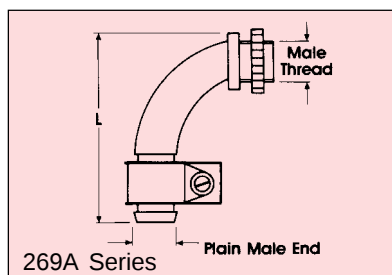


### Angled Type

The 269A Angled Type Terminators are available in sizes from 16mm to 40mm. In all cases the thread size is nominally the same size as the flexible conduit spigot. The 268AM has a 20mm thread but accepts 16mm flexible conduit.

#### Flexible Conduit Terminators - Angled Type

| Cat. No.      | Male Thread | Plain Male End | Length (L) |
|---------------|-------------|----------------|------------|
| <b>268AM</b>  | 20mm        | 16mm           | 77mm       |
| <b>269A16</b> | 16mm        | 16mm           | 75mm       |
| <b>269A20</b> | 20mm        | 20mm           | 80mm       |
| <b>269A25</b> | 25mm        | 25mm           | 95mm       |
| <b>269A32</b> | 32mm        | 32mm           | 106mm      |
| <b>269A40</b> | 40mm        | 40mm           | 124mm      |



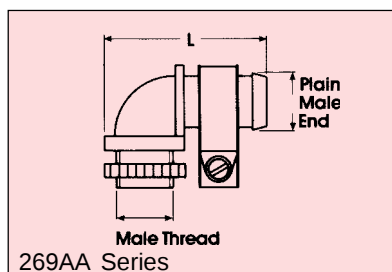
### Two Piece Angled Type

The two piece 90° design of the 268AA and the 269AA simplifies cable insertion and allows a sharper right angle.

(Not suitable for exterior use.)

#### Flexible Conduit Terminators - Two Piece Angled Type

| Cat. No.       | Male Thread | Plain Male End | Length (L) |
|----------------|-------------|----------------|------------|
| <b>268AA</b>   | 20mm        | 16mm           | 53mm       |
| <b>269AA20</b> | 20mm        | 20mm           | 55mm       |
| <b>269AA25</b> | 25mm        | 25mm           | 66mm       |

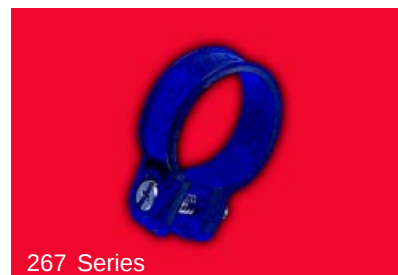


### Flexible Conduit Clamp Bands

The Terminator Clamp Bands are also available as individual products.

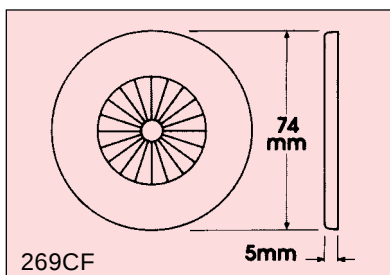
#### Flexible Conduit Clamp Bands

| Cat. No. | Description                           |
|----------|---------------------------------------|
| 267/16   | Clamp Band for 16mm flexible conduit. |
| 267/20   | Clamp Band for 20mm flexible conduit. |
| 267/25   | Clamp Band for 25mm flexible conduit. |
| 267/32   | Clamp Band for 32mm flexible conduit. |
| 267/40   | Clamp Band for 40mm flexible conduit. |
| 267/50   | Clamp Band for 50mm flexible conduit. |



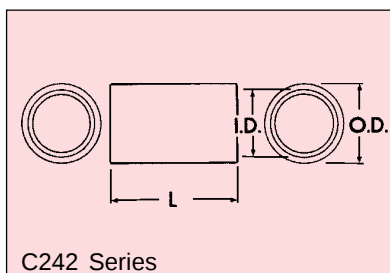
### Flexible Cover Flange

The 269CF Flexible Cover Flange is designed to fit over 16, 20 and 25mm flexible conduit. Internal flexible centre accommodates from 10mm (min.) OD to 30mm (max.) OD pipes. Mounting holes at 60mm centres on back of flange.



## TELECOMMUNICATIONS FITTINGS

Telecommunications Fittings conform to the same specifications as standard conduit fittings, are White (WE) in colour, and are UV stabilised in line with the requirements of AS/NZS 2053.



### Couplings

Couplings allow joining of two lengths of conduit of the same size.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

#### Couplings

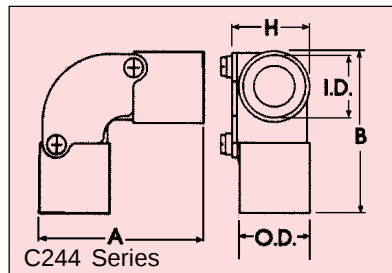
| Cat. No. | Size  | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|----------|-------|------------------------|-------------------------|------------|
| C242/20  | 20mm  | 20mm                   | 25mm                    | 42mm       |
| C242/25  | 25mm  | 25mm                   | 30mm                    | 42mm       |
| C242/32  | 32mm  | 32mm                   | 37mm                    | 52mm       |
| C242P80  | 80mm  | 89mm                   | 98mm                    | 172mm      |
| C242P100 | 100mm | 114.5mm                | 127mm                   | 228mm      |

## 90° Inspection Elbows

The 244 Series is a range of 90 degree Inspection Elbows from 16mm through to 63mm. The design allows the elbow to fit into corners neatly and the inspection cover removes to allow easy wiring and rewiring.

Standard colour is Grey (GY) for sizes up to 50mm with Orange (EO) also available at extra cost. The 244/63 is fabricated from an adaptable box and adaptors, and is standard in Orange (EO). A limited range of Inspection Elbows is also available for Communication Conduit and Security Conduit.

| 90° Inspection Elbows |             |                    |                    |            |
|-----------------------|-------------|--------------------|--------------------|------------|
| Cat. No.              | Size (I.D.) | Overall Length (A) | Overall Length (B) | Height (H) |
| C244/20               | 20mm        | 59mm               | 59mm               | 28mm       |
| C244/25               | 25mm        | 66mm               | 66mm               | 35mm       |
| C244/32               | 32mm        | 80mm               | 80mm               | 41mm       |



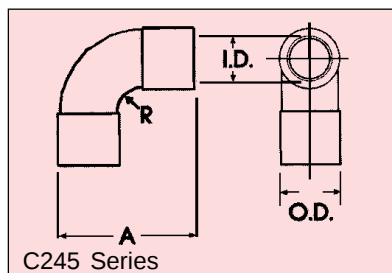
## 90° Solid Elbows

The 245 Series is a range of 90 degree Solid Elbows from 16mm through to 25mm. The design allows the elbow to fit into corners neatly.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost. An 80mm elbow is also available, standard colour Orange (EO).

A limited range of Solid Elbows is available for Communication Conduit and Security Conduit.

| 90° Solid Elbows |             |                    |            |
|------------------|-------------|--------------------|------------|
| Cat. No.         | Size (I.D.) | Overall Length (A) | Radius (R) |
| C245/20          | 20mm        | 54mm               | 22mm       |
| C245/25          | 25mm        | 66mm               | 28mm       |



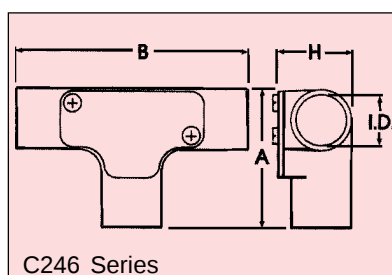
## Inspection Tees

The 246 Series is a range of Inspection Tees from 16mm through to 63mm. The screw fixed inspection cover removes to allow easy wiring and rewiring. The 246C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

Standard colour is Grey (GY) for sizes up to 50mm, with Orange (EO) also available at extra cost.

The 246/63 is fabricated from an adaptable box and adaptors, and is standard in Orange (EO). A limited range of Inspection Elbows is also available for Communication Conduit and Security Conduit.

| Inspection Tees |             |                    |                    |                        |
|-----------------|-------------|--------------------|--------------------|------------------------|
| Cat. No.        | Size (I.D.) | Tee Off Length (A) | In Line Length (B) | Height (incl. lid) (H) |
| C246/20         | 20mm        | 55mm               | 92mm               | 29mm                   |
| C246/25         | 25mm        | 69mm               | 108mm              | 37mm                   |
| C246/32         | 32mm        | 82mm               | 127mm              | 44mm                   |



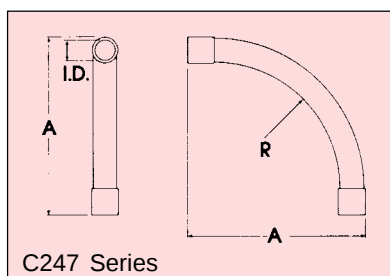
### 90° Bends

The range of Standard Bends is from 16mm through to 63mm. The 247C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

Standard colour is Grey (GY) for sizes up to 50mm, with Orange (EO) also available at extra cost. The 246/63 is standard in Orange (EO). A limited range of Standard Bends is also available for Communication Conduit and Security Conduit.

#### 90° Bends

| Cat. No. | Size (I.D.) | Overall Length (A) | Radius (R) |
|----------|-------------|--------------------|------------|
| C247I20  | 20mm        | 83mm               | 47mm       |
| C247I25  | 25mm        | 106mm              | 64mm       |



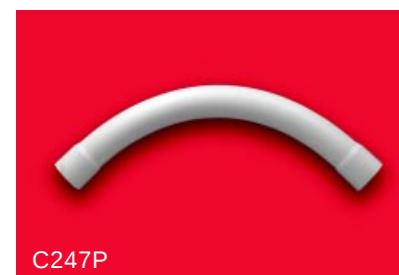
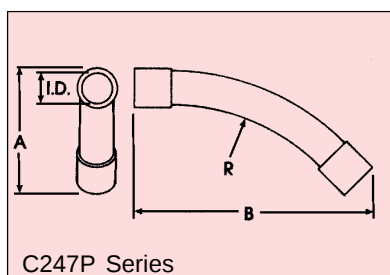
### 45° Large Sweep Bends

Available in a range of sizes from 20mm to 150mm.

Standard colour Orange (EO).

#### 45° Large Sweep Bends

| Cat. No. | Size  | Inside Diameter(I.D.) | Overall Length (A) | Overall Height (B) | Radius (R) |
|----------|-------|-----------------------|--------------------|--------------------|------------|
| C247PH80 | 80mm  | 89mm                  | 330mm              | 610mm              | 580mm      |
| C247P100 | 100mm | 114.5mm               | 410mm              | 750mm              | 715mm      |



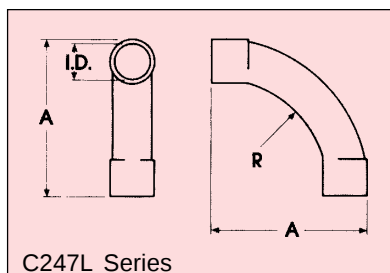
### 90° Large Sweep Bends

Available in a range of sizes from 20mm to 150mm sizes.

Standard colour Orange (EO). A limited range is also available in White for Communication Conduit.

#### 90° Large Sweep Bends

| Cat. No. | Size  | Inside Diameter (I.D.) | Overall Length (A) | Radius (R) |
|----------|-------|------------------------|--------------------|------------|
| C247L20  | 20mm  | 20mm                   | 185mm              | 150mm      |
| C247L25  | 25mm  | 25mm                   | 192mm              | 150mm      |
| C247L32  | 32mm  | 32mm                   | 350mm              | 312mm      |
| C247L50  | 50mm  | 50mm                   | 360mm              | 320mm      |
| C247P80  | 80mm  | 89mm                   | 660mm              | 550mm      |
| C247P100 | 100mm | 114.5mm                | 900mm              | 600mm      |



## SECURITY FITTINGS

Security Fittings conform to the same specifications as standard conduit fittings and are Transparent (TR) in colour.

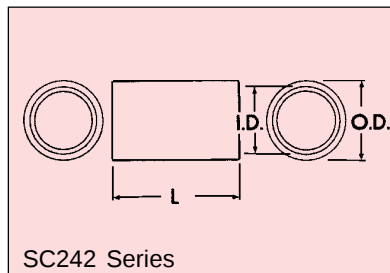
**Note:** They are not UV stabilised and exposure to direct sunlight will result in loss of transparent properties.

### Couplings

Plain Couplings allow joining of two lengths of conduit of the same size.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

| Security Fittings |             |                         |            |
|-------------------|-------------|-------------------------|------------|
| Cat. No.          | Size (I.D.) | Outside Diameter (O.D.) | Length (L) |
| SC242/16          | 16mm        | 20mm                    | 38mm       |
| SC242/20          | 20mm        | 25mm                    | 42mm       |
| SC242/25          | 25mm        | 30mm                    | 42mm       |
| SC242/32          | 32mm        | 37mm                    | 52mm       |
| SC242/40          | 40mm        | 45mm                    | 58mm       |
| SC242/50          | 50mm        | 57mm                    | 80mm       |



### 90° Solid Elbows

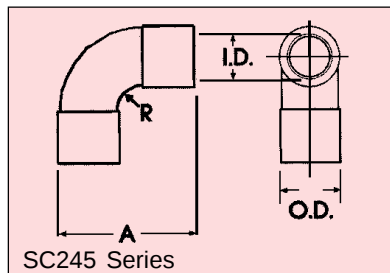
The 245 Series is a range of 90 degree Solid Elbows from 16mm through to 25mm. The design allows the elbow to fit into corners neatly.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost. An 80mm elbow is also available, standard colour Orange (EO).

A limited range of Solid Elbows is available for Communication Conduit.

Please refer to page 45.

| 90° Solid Elbows |      |                         |                    |            |
|------------------|------|-------------------------|--------------------|------------|
| Cat. No.         | Size | Outside Diameter (O.D.) | Overall Length (A) | Radius (R) |
| SC245/16         | 16mm | 20mm                    | 50mm               | 18mm       |
| SC245/20         | 20mm | 25mm                    | 54mm               | 22mm       |
| SC245/25         | 25mm | 30mm                    | 66mm               | 28mm       |



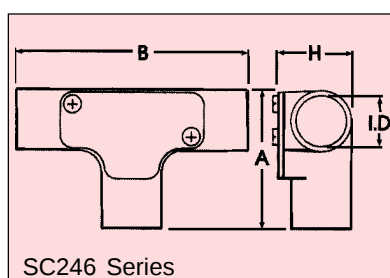
### Inspection Tees

The 246 Series is a range of Inspection Tees from 16mm through to 63mm. The screw fixed inspection cover removes to allow easy wiring and rewiring. The 246C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

Standard colour is Grey (GY) for sizes up to 50mm, with Orange (EO) also available at extra cost.

The 246/63 is fabricated from an adaptable box and adaptors, and standard in Orange (EO). A limited range of Inspection Elbows is also available for Communication Conduit and Security Conduit.

| Inspection Tees |      |                    |                    |            |
|-----------------|------|--------------------|--------------------|------------|
| Cat. No.        | Size | Tee Off Length (A) | In Line Length (B) | Height (H) |
| SC246/16        | 16mm | 55mm               | 92mm               | 29mm       |
| SC246/20        | 20mm | 55mm               | 92mm               | 29mm       |
| SC246/25        | 25mm | 69mm               | 108mm              | 37mm       |
| SC246/32        | 32mm | 82mm               | 127mm              | 44mm       |



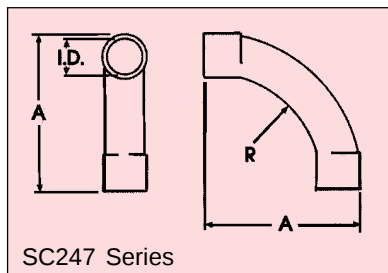
## 90° Bends

The range of Standard Bends is from 16mm through to 63mm. The 247C20 is a clip-on lid version. The lid is removed by inserting a screwdriver in the tab slots and levering.

Standard colour is Grey (GY) for sizes up to 50mm, with Orange (EO) also available at extra cost. The 246/63 is standard in Orange (EO). A limited range of Standard Bends is also available for Communication Conduit and Security Conduit.

### 90° Bends

| Cat. No. | Size (I.D.) | Length (A) | Radius (R) |
|----------|-------------|------------|------------|
| SC247/16 | 16mm        | 68mm       | 41mm       |
| SC247/20 | 20mm        | 83mm       | 47mm       |
| SC247/25 | 25mm        | 106mm      | 64mm       |
| SC247/32 | 32mm        | 134mm      | 83mm       |
| SC247/40 | 40mm        | 155mm      | 100mm      |
| SC247/50 | 50mm        | 205mm      | 120mm      |



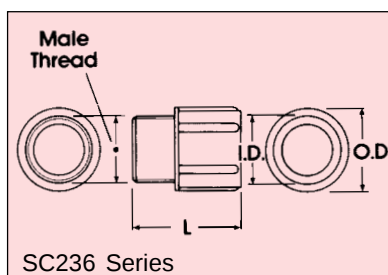
## Plain to Screwed Adaptors

Plain to Screwed Adaptors allow rigid conduit to be terminated into an enclosure and secured with a lock ring or lock nut. They are available for conduit sizes 16mm through to 100mm. Lock rings are supplied with 80mm and 100mm sizes.

Standard colour is Grey (GY), except for larger sizes which come as standard in Orange (EO). Orange also available in other sizes at extra cost.

### Plain to Screwed Adaptors

| Cat. No. | Male Thread Diameter | Inside Diameter (I.D.) | Outside Diameter (O.D.) | Length (L) |
|----------|----------------------|------------------------|-------------------------|------------|
| SC263/16 | 16mm                 | 16mm                   | 21mm                    | 33mm       |
| SC263/20 | 20mm                 | 20mm                   | 25mm                    | 36mm       |
| SC263/25 | 25mm                 | 25mm                   | 32mm                    | 42mm       |
| SC263/32 | 32mm                 | 32mm                   | 38mm                    | 46mm       |
| SC263/40 | 40mm                 | 40mm                   | 47mm                    | 50mm       |
| SC263/50 | 50mm                 | 50mm                   | 59mm                    | 59mm       |



## Round Junction Box Lid

A useful accessory when mounting light fittings on jack chain. The 240H provides a suspension point for the chain, and enables the supply flex to exit the junction box adjacent to it, allowing it to run neatly down the chain to the fitting.

Standard colour is Grey (GY), with Orange (EO) also available at extra cost.



## NON METALLIC CORRUGATED CONDUIT

Non Metallic Corrugated Conduit is manufactured to comply with relevant sections of AS/NZ 2053 and comes in Medium Duty and Heavy Duty grades. Medium Duty products are UV stabilised.

Operative temperature range is -15°C to +65°C.

One of the main benefits of Non Metallic Corrugated Conduit is that it can be tightly coiled without effort or damage to wall sections, nor will there be any reduction in cross sectional area. This significantly reduces installation time in difficult situations and the number of fittings required.

The minimum bending radius is 1.5 times the nominal diameter.

Non Metallic Corrugated Conduit is designed for use with existing rigid fittings and solvent cement. A range of dedicated glands and adaptors is also available.

The Medium Duty and Medium Duty Sheathed products are ideal for use in poured concrete or surface installations around difficult areas such as beams. Heavy Duty Corrugated is approved for use in Category A underground applications. (AS/NZS 3000)

Glands are recommended where joints may be disassembled for maintenance purposes.

If Clipsal Heavy Duty Corrugated Conduit is to be used in installations that allow it to be exposed to direct sunlight, the conduit should be painted with a light coloured water based acrylic paint.

White corrugated conduit is UV stabilised and manufactured to the requirements of AS2053 and ACATS008.

### Medium Duty - Electrical

| Catalogue Number | Outside Diameter | Inside Diameter | Coil Length |
|------------------|------------------|-----------------|-------------|
| 9016CM           | 16mm             | 10.7mm          | 50m         |
| 9020CM           | 20mm             | 14.1mm          | 50m         |
| 9020CM10         | 20mm             | 14.1mm          | 10m         |
| 9020CM20         | 20mm             | 14.1mm          | 20m         |
| 9025CM           | 25mm             | 18.3mm          | 50m         |
| 9025CM10         | 25mm             | 18.3mm          | 10m         |
| 9025CM20         | 25mm             | 18.3mm          | 20m         |
| 9032CM           | 32mm             | 24.3mm          | 25m         |
| 9032CM10         | 32mm             | 24.3mm          | 10m         |
| 9040CM           | 40mm             | 31.2mm          | 25m         |
| 9040CM10         | 40mm             | 31.2mm          | 10m         |
| 9050CM           | 50mm             | 39.6mm          | 25m         |
| 9050CM10         | 50mm             | 39.6mm          | 10m         |

Colour - Grey

### Medium Duty - Communications

| Cat. No. | Outside Diameter | Inside Diameter | Coil Length |
|----------|------------------|-----------------|-------------|
| C9020CM  | 20mm             | 14.1mm          | 50m         |
| C9025CM  | 25mm             | 18.3mm          | 50m         |



### Medium Duty with Draw Wire Electrical

Colour - Grey (GY)

| Medium Duty with Draw Wire Electrical |                  |                 |             |
|---------------------------------------|------------------|-----------------|-------------|
| Catalogue Number                      | Outside Diameter | Inside Diameter | Coil Length |
| 9016CMD                               | 16mm             | 10.7mm          | 50m         |
| 9020CMD                               | 20mm             | 14.1mm          | 50m         |
| 9020CMD20                             | 20mm             | 14.1mm          | 20m         |
| 9025CMD                               | 25mm             | 18.3mm          | 50m         |
| 9025CMD20                             | 25mm             | 18.3mm          | 20m         |
| 9032CMD                               | 32mm             | 24.3mm          | 25m         |
| 9040CMD                               | 40mm             | 31.2mm          | 25m         |

### Medium Duty with Draw Wire - Communication

Colour - White (W)

| Medium Duty with Draw Wire - Communication |                  |                 |             |
|--------------------------------------------|------------------|-----------------|-------------|
| Catalogue Number                           | Outside Diameter | Inside Diameter | Coil Length |
| C9020CMD                                   | 20mm             | 14.1mm          | 50m         |
| C9025CMD                                   | 25mm             | 18.3mm          | 50m         |

### Medium Duty Sheathed - Electrical

Colour - Grey (GY).

| Medium Duty Sheathed - Electrical |                  |                 |             |
|-----------------------------------|------------------|-----------------|-------------|
| Catalogue Number                  | Outside Diameter | Inside Diameter | Coil Length |
| 9020CMS                           | 20mm             | 14.1mm          | 50m         |
| 9020CMS10                         | 20mm             | 14.1mm          | 10m         |
| 9020CMS20                         | 20mm             | 14.1mm          | 20m         |
| 9025CMS                           | 25mm             | 18.3mm          | 50m         |
| 9025CMS10                         | 25mm             | 18.3mm          | 10m         |
| 9025CMS20                         | 25mm             | 18.3mm          | 20m         |
| 9032CMS                           | 32mm             | 24.3mm          | 25m         |

### Medium Duty Sheathed with Draw Wire Electrical

Colour - Grey (GY).

| Medium Duty Sheathed with Draw Wire Electrical |                  |                 |             |
|------------------------------------------------|------------------|-----------------|-------------|
| Catalogue Number                               | Outside Diameter | Inside Diameter | Coil Length |
| 9020CMSD                                       | 20mm             | 14.1mm          | 50m         |
| 9020CMSD20                                     | 20mm             | 14.1mm          | 20m         |
| 9025CMSD                                       | 25mm             | 18.3mm          | 50m         |
| 9025CMSD20                                     | 25mm             | 18.3mm          | 20m         |



## Heavy Duty with Draw Wire

Colour - Orange (EO). Supplied complete with draw wire.

| Heavy Duty with Draw Wire |                  |                 |             |
|---------------------------|------------------|-----------------|-------------|
| Catalogue Number          | Outside Diameter | Inside Diameter | Coil Length |
| 9020CHD                   | 20mm             | 14.1mm          | 50m         |
| 9020CHD10                 | 20mm             | 14.1mm          | 10m         |
| 9020CHD20                 | 20mm             | 14.1mm          | 20m         |
| 9025CHD                   | 25mm             | 18.3mm          | 50m         |
| 9025CHD10                 | 25mm             | 18.3mm          | 10m         |
| 9025CHD20                 | 25mm             | 18.3mm          | 20m         |
| 9032CHD                   | 32mm             | 24.3mm          | 25m         |
| 9032CHD10                 | 32mm             | 24.3mm          | 10m         |
| 9040CHD                   | 40mm             | 32.9mm          | 25m         |



9032CHD

## GLANDS FOR CORRUGATED CONDUIT

The 279AC Series is designed for use with corrugated conduit.

These glands allow corrugated conduit to be connected directly to equipment and machinery, making maintenance and upgrading simple.

| Angled Glands |                                                               |
|---------------|---------------------------------------------------------------|
| Cat. No.      | Description                                                   |
| 279AC16       | 16mm 90°Angled. Accepts 16mm corrugated conduit. IP54 rating. |
| 279AC20       | 20mm 90°Angled. Accepts 20mm corrugated conduit. IP54 rating. |
| 279AC25       | 25mm 90°Angled. Accepts 25mm corrugated conduit. IP54 rating. |
| 279AC32       | 32mm 90°Angled. Accepts 32mm corrugated conduit. IP54 rating. |



263/20C



279AC Series

## 263/20C Clip Adaptor

Adapts 20mm OD corrugated conduit to a 20mm screwed entry.

| 263/20C Clip Adaptor |                    |
|----------------------|--------------------|
| Cat. No.             | Description        |
| 263/20C              | 20mm Clip Adaptor. |

## 279B Series Bulkhead Glands

The 279B Series is ideal for terminating corrugated conduit to matching switchboard terminating boxes and bulkheads.

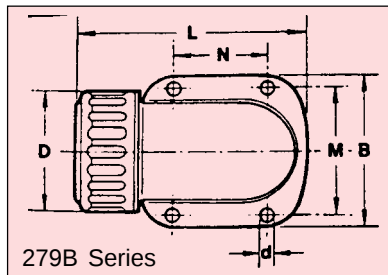
The large bore flange allows plenty of room for cable access. The inbuilt seal ensures IP54 rating when mounted on a flat surface.

### Glands with Bulkhead Flange

| Cat. No.      | Description                                   |
|---------------|-----------------------------------------------|
| <b>279B25</b> | Accepts 25mm corrugated conduit. IP54 rating. |
| <b>279B32</b> | Accepts 32mm corrugated conduit. IP54 rating. |
| <b>279B40</b> | Accepts 40mm corrugated conduit. IP54 rating. |
| <b>279B50</b> | Accepts 50mm corrugated conduit. IP54 rating. |

### Bulkhead Glands - Dimensional Details

| Cat. No.      | D    | L     | B    | M    | N    | d     |
|---------------|------|-------|------|------|------|-------|
| <b>279B25</b> | 37mm | 75mm  | 45mm | 37mm | 30mm | 4.2mm |
| <b>279B32</b> | 45mm | 90mm  | 56mm | 46mm | 37mm | 5.2mm |
| <b>279B40</b> | 56mm | 110mm | 70mm | 58mm | 45mm | 6.2mm |
| <b>279B50</b> | 68mm | 129mm | 84mm | 72mm | 55mm | 6.2mm |

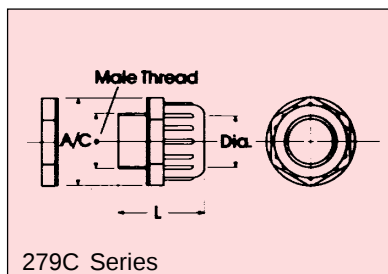


The 279C Series is designed for use with corrugated conduit.

These glands allow corrugated conduit to be connected directly to equipment and machinery, making maintenance and upgrading simple.

### Straight Glands - Dimensional Details

| Catalogue Number | Male Thread | Length (L) | Across Flats | Across Centres |
|------------------|-------------|------------|--------------|----------------|
| <b>279C16</b>    | 16mm        | 30mm       | 24mm         | 26mm           |
| <b>279C20</b>    | 20mm        | 35mm       | 27mm         | 30mm           |
| <b>279C25</b>    | 25mm        | 39mm       | 35mm         | 40mm           |
| <b>279C32</b>    | 32mm        | 41mm       | 46mm         | 52mm           |
| <b>279C40</b>    | 40mm        | 53mm       | 55mm         | 60mm           |
| <b>279C50</b>    | 50mm        | 57mm       | 66mm         | 71mm           |



## DUCT AND FITTINGS RANGE

Duct systems are the ideal alternative to conduit for surface wiring in domestic, commercial, and industrial environments, particularly when renovations, rewiring, and additions are being undertaken.

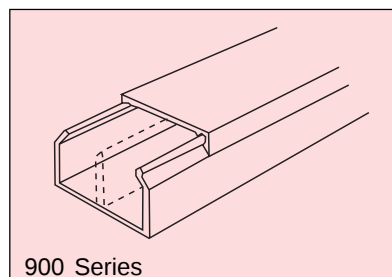
Duct systems are easily installed, either fastened with screws or with double sided tape. A broad range of accessories makes installation easy. Butt or mitre joints are also suitable. The range extends from 12mm x 7mm through to 100mm x 100mm. Colour options are White Electric (WE), Grey (GY), and Brown (BR). Not all products are available in all colours.

### 900 Series Mini Duct

Clipsal Duct is divided into Mini Duct and Maxi Duct. Colours - White Electric (WE), Brown (BR) and Grey (GY). Standard length 4 metres. Some 3.1 metre products also available.

| 900 Series Mini Duct |                                                             |
|----------------------|-------------------------------------------------------------|
| Cat. No.             | Description                                                 |
| 900/12/7PT           | 12 x 7mm Pre-Taped Mini Duct With Hinged Lid.               |
| 900/16/10            | 16 x 10mm Mini Duct.                                        |
| 900/16/10PT          | 16 x 10mm Pre-Taped Mini Duct.                              |
| 900/16/16            | 16 x 16mm Mini Duct.                                        |
| 900/16/16PT          | 16 x 16mm Pre-Taped Mini Duct.                              |
| 900/19/7             | 19 x 7mm Bevel Edged Duct.                                  |
| 900/19/7PT           | 19 x 7mm Pre-Taped Bevel Edged Duct.                        |
| 900/25/16            | 25 x 16mm Mini Duct.                                        |
| 900/25/16PT          | 25 x 16mm Pre-Taped Mini Duct.                              |
| 900/25/25            | 25 x 25mm Mini Duct.                                        |
| 900/25/25PT          | 25 x 25mm Pre-Taped Mini Duct.                              |
| 900/40/16            | 40 x 16mm Mini Duct.                                        |
| 900/40/16PT          | 40 x 16mm Pre-Taped Mini Duct.                              |
| 900/40/25            | 40 x 25mm Mini Duct.                                        |
| 900/40/25PT          | 40 x 25mm Pre-Taped Mini Duct.                              |
| 900/40/25/2          | 40 x 25mm Twin Compartment Rectangular Mini Duct.           |
| 900/40/25/2PT        | 40 x 25mm Twin Compartment Rectangular Pre-Taped Mini Duct. |
| 900/60/25            | 60 x 25mm Mini Duct.                                        |
| 900/60/25PT          | 60 x 25mm Pre-Taped Mini Duct.                              |
| 900/60/40            | 60 x 40mm Mini Duct.                                        |
| 900/60/40PT          | 60 x 40mm Pre-Taped Mini Duct.                              |

| 900 Series Mini Duct - 3 Metre Pre-Taped |                                                      |
|------------------------------------------|------------------------------------------------------|
| Cat. No.                                 | Description                                          |
| 900/12/7PT3                              | 12 x 7mm Pre-Taped Duct with hinged lid. 3.1 metres. |
| 900/16/16PT3                             | 16 x 16mm Pre-Taped Duct. 3.1 metres.                |
| 900/25/25PT3                             | 25 x 25 Pre-Taped Duct. 3.1 metres.                  |

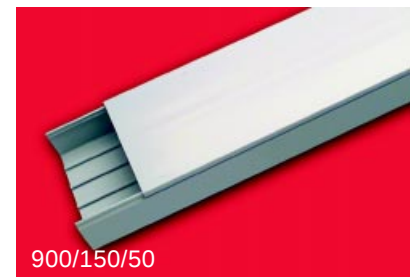
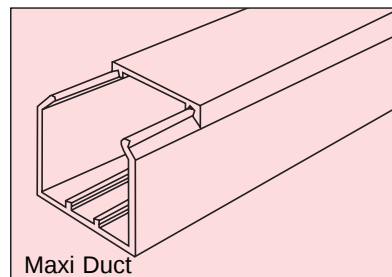
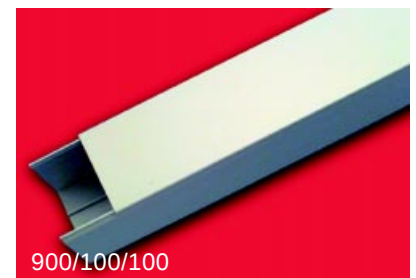


### 900 Series Maxi Duct

Standard colour Grey (GY).  
Some products also available in  
White Electric (WE).  
Standard length - 4 metres.

| 900 Series Maxi Duct |                                |
|----------------------|--------------------------------|
| Cat. No.             | Description                    |
| *900/50/50           | 50 x 50mm Maxi Duct.           |
| *900/50/50PT         | 50 x 50mm Pre-Taped Maxi Duct. |
| 900/50/75            | 50 x 75mm Maxi Duct.           |
| 900/50/100           | 50 x 100mm Maxi Duct.          |
| 900/75/75            | 75 x 75mm Maxi Duct.           |
| *900/75/100          | 75 x 100mm Maxi Duct.          |
| *900/100/100         | 100 x 100mm Maxi Duct.         |
| 900/150/50           | 150 x 50mm Maxi Duct.          |
| 900/150/75           | 150 x 75mm Maxi Duct.          |

\*Available in White Electric.



## DUCT FITTINGS

A broad range of Clip Fit Fittings are available for the various duct sizes. The range varies between sizes. Not all fittings are available in all colours.

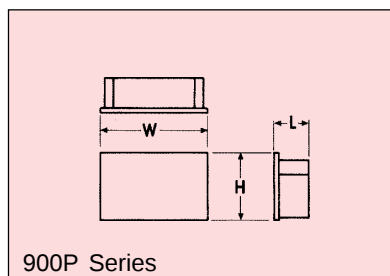
Standard colour Grey (GY).

### End Plugs

End Plugs are used to blank off a duct end.

#### Mini Duct End Plugs

| Cat. No.          | Description             | Length (L) | Width (W) | Height (H) |
|-------------------|-------------------------|------------|-----------|------------|
| <b>900/16/16P</b> | Plug for 16 x 16mm duct | 13mm       | 16mm      | 16mm       |
| <b>900/25/16P</b> | Plug for 25 x 16mm duct | 13mm       | 25mm      | 16mm       |
| <b>900/40/25P</b> | Plug for 40 x 25mm duct | 14mm       | 40mm      | 25mm       |

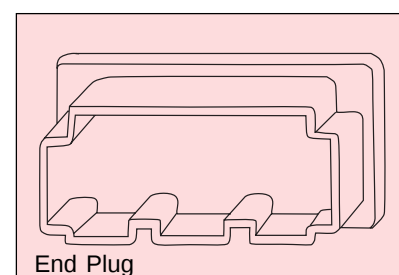
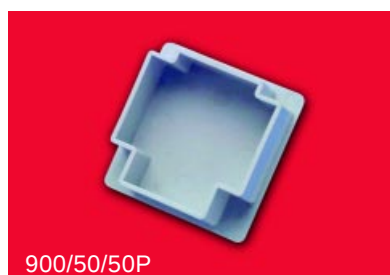


### End Plugs

End Plugs are used to blank off a duct end.

#### Maxi Duct End Plugs

| Cat. No.            | Description           |
|---------------------|-----------------------|
| <b>900/50/50P</b>   | 50 x 50mm End Plug.   |
| <b>900/50/75P</b>   | 50 x 75mm End Plug.   |
| <b>900/50/100P</b>  | 50 x 100mm End Plug.  |
| <b>900/75/75P</b>   | 75 x 75mm End Plug.   |
| <b>900/75/100P</b>  | 75 x 100mm End Plug.  |
| <b>900/100/100P</b> | 100 x 100mm End Plug. |

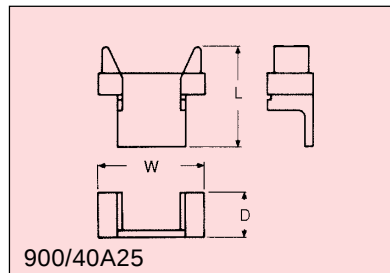


## Adaptors

Adaptors allow conversion of various duct sizes to 16mm x 25mm duct and accessories.

| Adaptors                              |                                                                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.                              | Description                                                                                                                             |
| <b>900/40TA25</b><br><b>900/16A10</b> | Allows 25 x 16mm duct to Tee off a 40 x 25mm duct.<br>Converts 16 x 10mm duct to 25 x 16mm duct and accessories with 25 x 16mm entries. |
| <b>900/16A16</b>                      | Converts 16 x 16mm duct to 25 x 16mm duct and accessories with 25 x 16mm entries.                                                       |
| <b>900/25A25</b>                      | Converts 25 x 25mm duct to 25 x 16mm duct and accessories with 25 x 16mm entries.                                                       |
| <b>900/40A16</b>                      | Converts 40 x 16mm duct to 25 x 16mm duct and accessories with 25 x 16mm entries.                                                       |
| <b>900/40A25</b>                      | Converts 40 x 25mm duct to 25 x 16mm duct and accessories with 25 x 16mm entries.                                                       |

| Adaptors - Dimensional Details |            |           |           |
|--------------------------------|------------|-----------|-----------|
| Cat. No.                       | Length (L) | Width (W) | Depth (D) |
| <b>900/40TA25</b>              | 60mm       | 66mm      | 22.8mm    |
| <b>900/16A10</b>               | 47.4mm     | 17.75mm   | 25.2mm    |
| <b>900/16A16</b>               | 47.4mm     | 17.75mm   | 25.2mm    |
| <b>900/25A25</b>               | 47.4mm     | 27mm      | 29.81mm   |
| <b>900/40A16</b>               | 42.70mm    | 40mm      | 17.3mm    |
| <b>900/40A25</b>               | 37.80mm    | 40mm      | 17.3mm    |

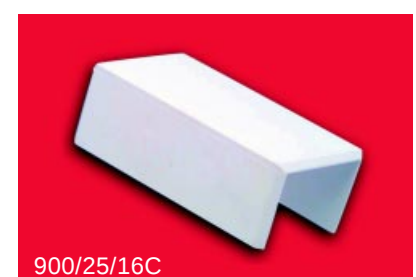
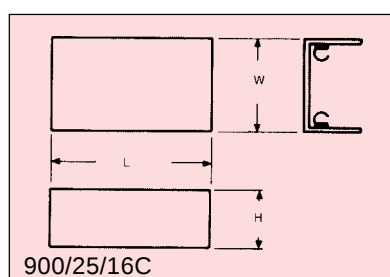


## Mini Duct Couplings

Couplings are clip on covers to butt joints in duct.

| Mini Duct Couplings                                        |                                                                                              |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Cat. No.                                                   | Description                                                                                  |
| <b>90/16/16C</b><br><b>900/25/16C</b><br><b>900/40/25C</b> | Coupling for 16 x 16mm duct.<br>Coupling for 25 x 16mm duct.<br>Coupling for 40 x 25mm duct. |

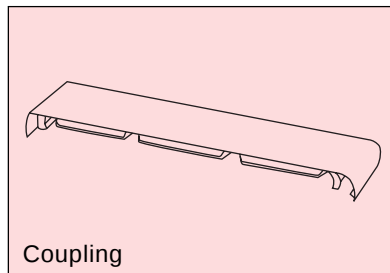
| Mini Duct Couplings - Dimensional Details |            |           |            |
|-------------------------------------------|------------|-----------|------------|
| Cat. No.                                  | Length (L) | Width (W) | Height (H) |
| <b>900/16/16C</b>                         | 50mm       | 20mm      | 18mm       |
| <b>900/25/16C</b>                         | 50mm       | 29mm      | 18mm       |
| <b>900/40/25C</b>                         | 44mm       | 37mm      | 21mm       |



## Maxi Duct Couplings

Clip on covers to butt joints in duct. Colour - Grey.

| Maxi Duct Couplings |                 |
|---------------------|-----------------|
| Cat. No.            | Description     |
| 900/50C             | 50mm Coupling.  |
| 900/75C             | 75mm Coupling.  |
| 900/100C            | 100mm Coupling. |

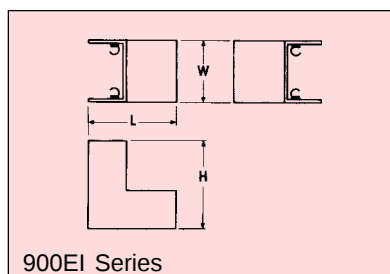


## Mini Duct Internal Elbows

Mini Duct Elbows are clip on covers for internal corners.

| Mini Duct Internal Elbows |                                    |
|---------------------------|------------------------------------|
| Cat. No.                  | Description                        |
| 900/16/16EI               | Internal Elbow for 16 x 16mm duct. |
| 900/25/16EI               | Internal Elbow for 25 x 16mm duct. |
| 900/40/25EI               | Internal Elbow for 40 x 25mm duct. |

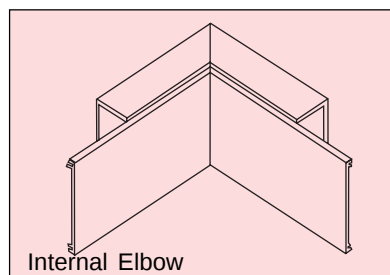
| Mini Duct Internal Elbows - Dimensional Details |            |           |            |
|-------------------------------------------------|------------|-----------|------------|
| Cat. No.                                        | Length (L) | Width (W) | Height (H) |
| 900/16/16EI                                     | 43mm       | 20mm      | 43mm       |
| 900/25/16EI                                     | 41mm       | 29mm      | 41mm       |
| 900/40/25EI                                     | 57mm       | 39mm      | 57mm       |



### Maxi Duct Internal Elbows

Maxi Duct Elbows are a prefabricated corner piece. Colour - Grey.

| Maxi Duct Internal Elbows |                             |
|---------------------------|-----------------------------|
| Cat. No.                  | Description                 |
| 900/50/50EI               | 50 x 50mm Internal Elbow.   |
| 900/50/75EI               | 50 x 75mm Internal Elbow.   |
| 900/50/100EI              | 50 x 100mm Internal Elbow.  |
| 900/75/75EI               | 75 x 75mm Internal Elbow.   |
| 900/75/100EI              | 75 x 100mm Internal Elbow.  |
| 900/100/100EI             | 100 x 100mm Internal Elbow. |

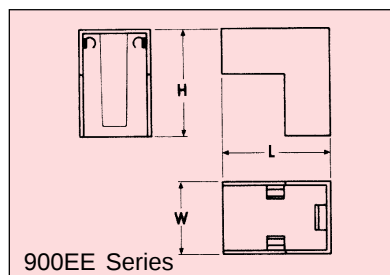


### Mini Duct External Elbows

Mini Duct Elbows are clip on covers for internal corners.

| Mini Duct External Elbows |                                    |
|---------------------------|------------------------------------|
| Cat. No.                  | Description                        |
| 900/16/16EE               | External Elbow for 16 x 16mm duct. |
| 900/25/16EE               | External Elbow for 25 x 16mm duct. |
| 900/40/25EE               | External Elbow for 40 x 25mm duct. |

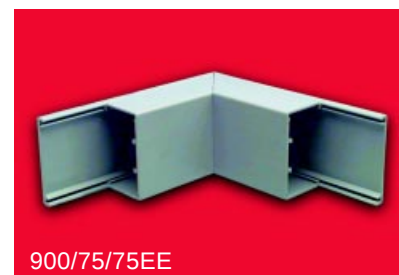
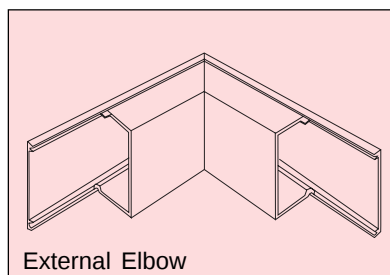
| Mini Duct External Elbows - Dimensional Details |            |           |            |
|-------------------------------------------------|------------|-----------|------------|
| Cat. No.                                        | Length (L) | Width (W) | Height (H) |
| 900/16/16EE                                     | 43mm       | 20mm      | 43mm       |
| 900/25/16EE                                     | 43mm       | 29mm      | 43mm       |
| 900/40/25EE                                     | 59mm       | 44mm      | 59mm       |



## Maxi Duct External Elbows

Maxi Duct Elbows are a prefabricated corner piece. Colour - Grey.

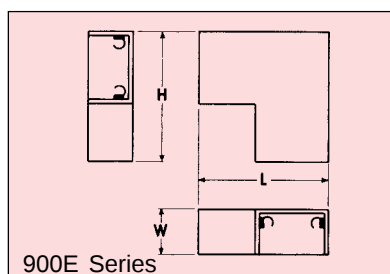
| Maxi Duct External Elbows |                             |
|---------------------------|-----------------------------|
| Cat. No.                  | Description                 |
| 900/50/50EE               | 50 x 50mm External Elbow.   |
| 900/50/75EE               | 50 x 75mm External Elbow.   |
| 900/50/100EE              | 50 x 100mm External Elbow.  |
| 900/75/75EE               | 75 x 75mm External Elbow.   |
| 900/75/100EE              | 75 x 100mm External Elbow.  |
| 900/100/100EE             | 100 x 100mm External Elbow. |



## Mini Duct Flat Elbows

| Mini Duct Flat Elbows |                                |
|-----------------------|--------------------------------|
| Cat. No.              | Description                    |
| 900/16/16E            | Flat Elbow for 16 x 16mm duct. |
| 900/25/16E            | Flat Elbow for 25 x 16mm duct. |
| 900/40/25E            | Flat Elbow for 40 x 25mm duct. |

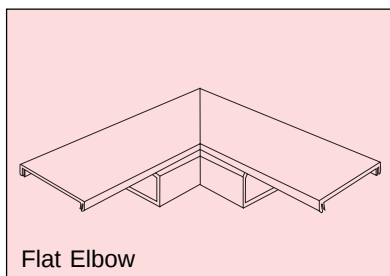
| Mini Duct Flat Elbows - Dimensional Details |            |           |            |
|---------------------------------------------|------------|-----------|------------|
| Cat. No.                                    | Length (L) | Width (W) | Height (H) |
| 900/16/16E                                  | 43mm       | 18mm      | 43mm       |
| 900/25/16E                                  | 52mm       | 18mm      | 52mm       |
| 900/40/25E                                  | 74mm       | 27mm      | 74mm       |



### Maxi Duct Flat Elbows

Maxi Duct Elbows are a prefabricated corner piece.  
Colour - Grey.

| Maxi Duct Flat Elbows |                         |
|-----------------------|-------------------------|
| Cat. No.              | Description             |
| 900/50/50E            | 50 x 50mm Flat Elbow.   |
| 900/50/75E            | 50 x 75mm Flat Elbow.   |
| 900/50/100E           | 50 x 100mm Flat Elbow.  |
| 900/75/75E            | 75 x 75mm Flat Elbow.   |
| 900/75/100E           | 75 x 100mm Flat Elbow.  |
| 900/100/100E          | 100 x 100mm Flat Elbow. |

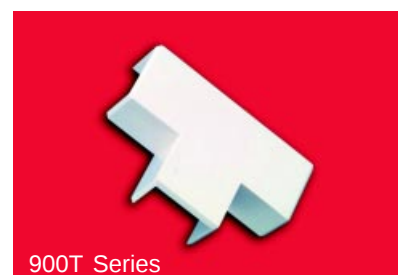
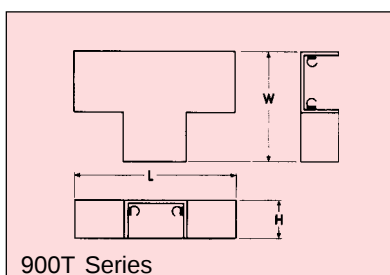


### Mini Duct Flat Tees

Mini Duct Tees are clip on covers for internal corners.

| Mini Duct Flat Tees |                              |
|---------------------|------------------------------|
| Cat. No.            | Description                  |
| 900/16/16T          | Flat Tee for 16 x 16mm duct. |
| 900/25/16T          | Flat Tee for 25 x 16mm duct. |
| 900/40/25T          | Flat Tee for 40 x 25mm duct. |

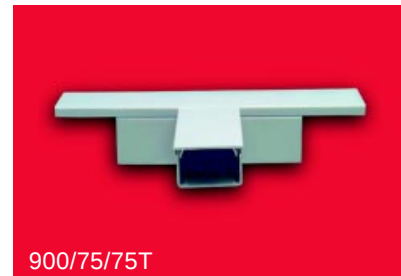
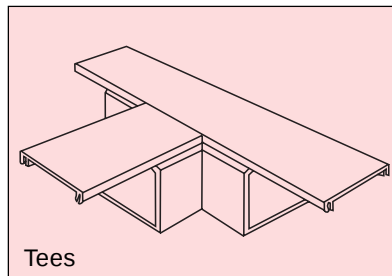
| Mini Duct Flat Tees - Dimensional Details |            |           |            |
|-------------------------------------------|------------|-----------|------------|
| Cat. No.                                  | Length (L) | Width (W) | Height (H) |
| 900/16/16T                                | 66mm       | 43mm      | 18mm       |
| 900/25/16T                                | 75mm       | 52mm      | 18mm       |
| 900/40/25T                                | 104mm      | 74mm      | 27mm       |



### Maxi Duct Tees

Maxi Duct Tees are a prefabricated Tee section.  
Colour - Grey.

| Maxi Duct Tees |                  |
|----------------|------------------|
| Cat. No.       | Description      |
| 900/50/50T     | 50 x 50mm Tee.   |
| 900/50/75T     | 50 x 75mm Tee.   |
| 900/50/100T    | 50 x 100mm Tee.  |
| 900/75/75T     | 75 x 75mm Tee.   |
| 900/75/100T    | 75 x 100mm Tee.  |
| 900/100/100T   | 100 x 100mm Tee. |

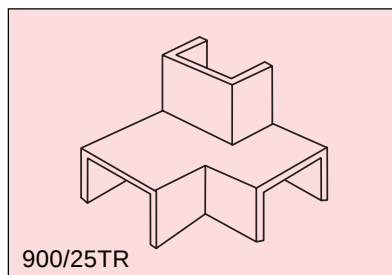


### Side Tee

Clip on covers to tee off at right angles with the same size mini duct.

| Side Tee    |                              |
|-------------|------------------------------|
| Cat. No.    | Description                  |
| 900/25/16TS | Side Tee for 25 x 16mm duct. |

| Side Tee - Dimensional Details |            |           |            |
|--------------------------------|------------|-----------|------------|
| Cat. No.                       | Length (L) | Width (W) | Height (H) |
| 900/25/16TS                    | 75mm       | 40mm      | 29mm       |



### Intersection Tees

Clip on covers to tee off a flat elbow at right angles. Left and right hand versions are available. Only available in some Mini Duct sizes.

| Intersection Tees |                                              |
|-------------------|----------------------------------------------|
| Cat. No.          | Description                                  |
| 900/25/16TR       | Right Tee (Intersection) for 25 x 16mm duct. |
| 900/25/16TL       | Left Tee (Intersection) for 25 x 16mm duct.  |

| Intersection Tees - Dimensional Details |            |           |            |
|-----------------------------------------|------------|-----------|------------|
| Cat. No.                                | Length (L) | Width (W) | Height (H) |
| 900/25/16TR                             | 52mm       | 40mm      | 52mm       |
| 900/25/16TL                             | 52mm       | 40mm      | 52mm       |

### Clip In Separators

Clip in dividers to provide segregation in 50mm, 75mm and 100mm maxi duct.

Standard Length - 4 metres.  
Colour - White Electric.

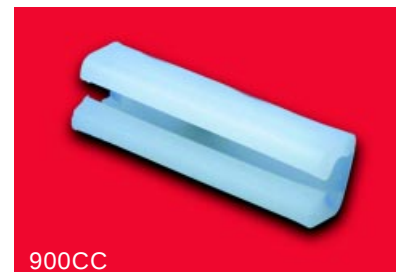
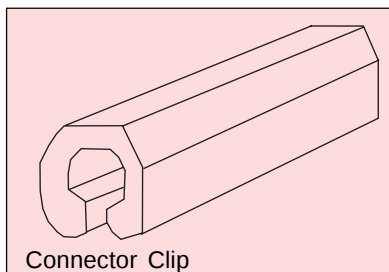
| Clip in Separators |                              |
|--------------------|------------------------------|
| Cat. No.           | Description                  |
| 900D50S            | Suits 50 x 100mm Maxi Duct.  |
| 900D75S            | Suits 75 x 100mm Maxi Duct.  |
| 900D100S           | Suits 100 x 100mm Maxi Duct. |



### Connector Clip

Connector Clip to join maxi duct sections independent of the lid. Lid must be trimmed to accommodate. Not suitable for 50mm x 50mm. Colour - White Electric.

| Connector Clip |                                                                          |
|----------------|--------------------------------------------------------------------------|
| Cat. No.       | Description                                                              |
| 900CC          | Connector Clip to join all sizes of maxi duct (50 x 50mm size excepted). |



### Clip In Cable Retainers

Clip to retain cable in duct prior to installation of the lid. Colour - White Electric.

| Clip in Cable Retainers |                        |
|-------------------------|------------------------|
| Cat. No.                | Description            |
| 900C50                  | 50 x 100mm Maxi Duct.  |
| 900C75                  | 75 x 100mm Maxi Duct.  |
| 900C100                 | 100 x 100mm Maxi Duct. |

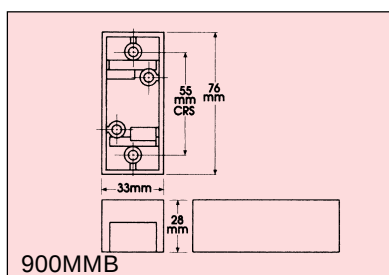
## MOUNTING ACCESSORIES

### Architrave Mounting Block

The 900MMB is a Miniature Surface Mounting Block for architrave mounting accessories. Internal depth - 24mm. Features 2 - 25 x 16mm trunking entries - one each end. Supplied with 1 Cat. No. 900MBC Clip-in/push out Cap 2 Cat. No. 9 Insulating Caps and 2 M3.5 x 0.8 x 12mm long pan head screws. Screws thread into brass inserts.

Available in White Electric (WE) and Brown (BR).

| Architrave Mounting Block |            |           |            |
|---------------------------|------------|-----------|------------|
| Cat. No.                  | Length (L) | Width (W) | Height (H) |
| 900MMB                    | 76mm       | 33mm      | 28mm       |

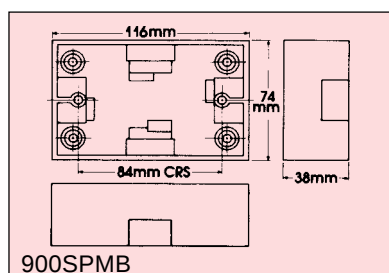


### Standard Pattern Mounting Box

The 900SPMB is a standard pattern Surface Mounting Box for single gang accessories. Internal depth - 33mm. Features 4 - 25 x 16mm Trunking Entries, including one each end and side. Supplied with 3 - Cat. No. 900MBC Clip-in/push out caps, 4 - Cat. No. 220/10 Insulating Caps and 2 - M3.5 x 0.8 x 16mm long pan head screws. Screws thread into brass inserts.

Available in White Electric (WE), Brown (BR) and Grey (GY).

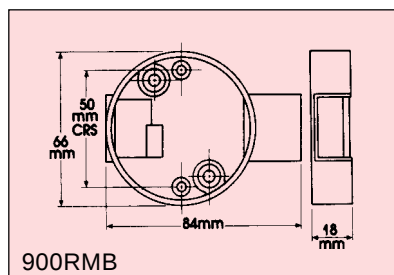
| Standard Pattern Mounting Box |            |           |            |
|-------------------------------|------------|-----------|------------|
| Cat. No.                      | Length (L) | Width (W) | Height (H) |
| 900SPMB                       | 116mm      | 74mm      | 38mm       |



### Round Mounting Block

The 900RMB is a Round Surface Mounting Block, for mounting round accessories. Internal depth - 15mm. Features 2 - 25 x 16mm trunking entries. Through entries. Number of mounting positions - 2. Supplied with 1 Cat. No. 900MBC Clip-in/push-out Cap, 2 - Cat. No. 220/10 Insulating Caps, and 2 - 3/16" BSW x 12mm long pan head screws.

Available in White Electric (WE) and Brown (BR).



900RMB



900RMB

### Skirting Mounting Block

The 900SKMB is a single gang Skirting Mounting Block. Accepts 25 x 16mm trunking through 4 of 25 x 16mm cut outs. Supplied with 3 x Cat. No. 900MBC Mounting Block Entry Caps and 20mm mounting screws and screw caps.

Available in White Electric (WE) and Brown (BR).

#### Skirting Mounting Block

| Cat. No.       | Length (L) | Width (W) | Height Centres | Mounting |
|----------------|------------|-----------|----------------|----------|
| <b>900SKMB</b> | 10mm       | 49mm      | 38mm           | 78mm     |



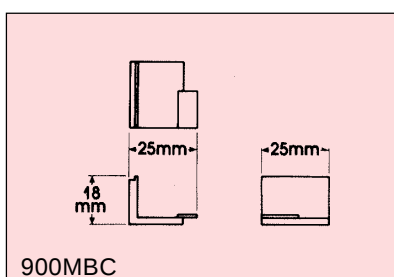
900SKMB

### Mounting Block/Box Entry Cap

Spare Entry Blanking Cap for mounting accessories.

#### Mounting Block/Box Entry Cap

| Cat. No.      | Description                                                                                              |
|---------------|----------------------------------------------------------------------------------------------------------|
| <b>900MBC</b> | Mounting Block Entry Cap suitable for 25 x 16mm trunking entries. Available in White Electric and Brown. |



900MBC



900MBC

### Standard Pattern Mounting Block

The 900SPBP is a single gang standard pattern Mounting Block. Accepts 25 x 16mm and 16 x 16mm trunking through 12 of 16 x 16mm and 8 of 25 x 16mm combination head screws for mounting.

Available in White Electric (WE), Brown (BR) and Grey (GY).

#### Standard Pattern Mounting Block

| Cat. No.       | Length (L) | Width (W) | Height Centres | Mounting |
|----------------|------------|-----------|----------------|----------|
| <b>900SPBP</b> | 120mm      | 76mm      | 20mm           | 84mm     |



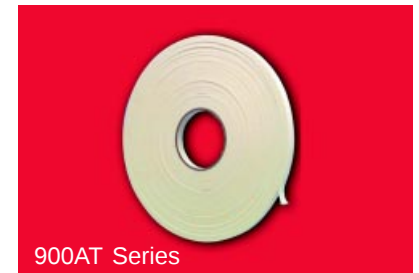
900SPBP

## Double Sided Adhesive Tape

Double Sided Tape provides a quick and convenient method of mounting duct. Surfaces must be clean and dry, and free of dirt, dust, moisture, grease and flaking paint. It must be firmly applied along the full length of the duct to ensure secure fixing. Large sizes may require two rows of tape.

### Double Sided Adhesive Tape

| Cat. No.       | Description                                                 |
|----------------|-------------------------------------------------------------|
| <b>900AT12</b> | 12mm wide Double Sided Impact Adhesive Tape. 50 metre roll. |
| <b>900AT18</b> | 18mm wide Double Sided Impact Adhesive Tape. 50 metre roll. |
| <b>900AT24</b> | 24mm wide Double Sided Impact Adhesive Tape. 50 metre roll. |



## POLYMERIC CABLE COVER

The Polymeric Cable Cover is an economical and convenient way to provide the mechanical protection for Category B underground wiring systems as required by AS/NZ S3000. Clipsal's range includes 2 metre slabs in both 150mm and 250mm widths, which are an excellent option for smaller installations, and 25 metre rolls in widths from 150mm to 300mm in both light duty and heavy duty gauges.

Available in Orange (EO) only.

### Complies With:

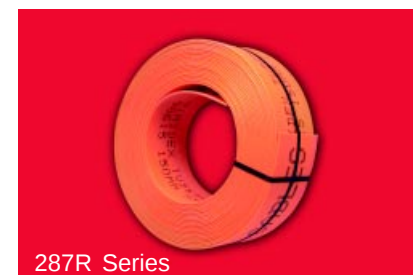
HD Series Cable Covers are manufactured from High Density PolyEthylene and have been tested and found to comply with the requirements of DR94102 and AS1462.3. (DR94102 is a Draft Australian Standard for Cable Cover. This draft has not yet been issued as an approved Standard, but has become a defacto Standard in the electrical industry).

LD Series Cable Covers are manufactured from High Density PolyEthylene and have been tested to the requirements of DR94102 and AS1462.3. LD Series passes the requirements of AS1462.3, but will not necessarily comply with Section 10.2 of DR94102 "Impact

Resistance Test". However, it will comply with all other aspects of DR94102.

### Polymeric Cable Cover

| Cat. No.         | Description                                |
|------------------|--------------------------------------------|
| <b>287/150</b>   | 150mm wide. Length 2 metres - 3mm thick.   |
| <b>287/250</b>   | 250mm wide. Length 2 metres 3mm thick.     |
| <b>287R150LD</b> | 150mm wide, 4mm thick. Length - 25 metres. |
| <b>287R200LD</b> | 200mm wide, 4mm thick. Length - 25 metres. |
| <b>287R250LD</b> | 250mm wide, 4mm thick. Length - 25 metres. |
| <b>287R300LD</b> | 300mm wide, 4mm thick. Length - 25 metres. |
| <b>287R150HD</b> | 150mm wide, 5mm thick. Length - 25 metres. |
| <b>287R200HD</b> | 200mm wide, 5mm thick. Length - 25 metres. |
| <b>287R250HD</b> | 250mm wide, 5mm thick. Length - 25 metres. |
| <b>287R300HD</b> | 300mm wide, 5mm thick. Length - 25 metres. |



**Products of Gerard Industries Pty Ltd**

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