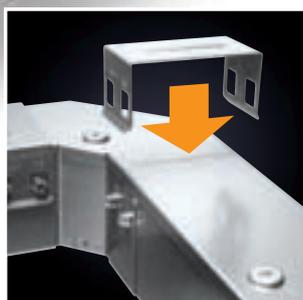
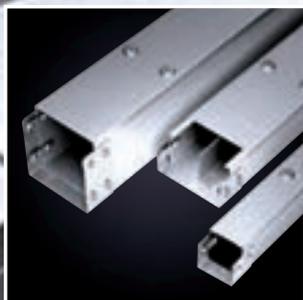


Salamandre[®]

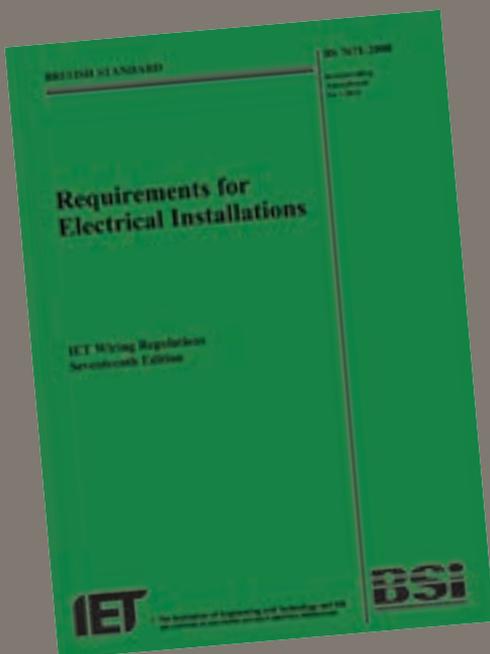
standard and IP4X
distribution trunking



PRODUCT TECHNICAL GUIDE /
INCLUDING LIGHTING TRUNKING

Salamandre® ...

the complete answer to the latest regulations



Legrand has invested heavily in Salamandre distribution trunking to ensure that it provides everything you would expect from the market leader. The latest innovations have been made to keep you up to speed with the amendments to the Wiring Regulations...

Changes to the Wiring Regulations

BS 7671 : 2008 - Amendment No. 1: 2011 came into force on January 1st 2012. This amendment to the 17th Edition of the Wiring Regulations includes specific instructions relating to the requirement for IP conformity of all trunking systems using non-sheathed cables.

Section 521.10.1 of the regulations now includes the following paragraph:

“Non-sheathed cables are permitted if the cable trunking system provides at least the degree of protection IPXXD or IP4X, and if the cover can only be removed by means of a tool or deliberate action.”*

The index of protection

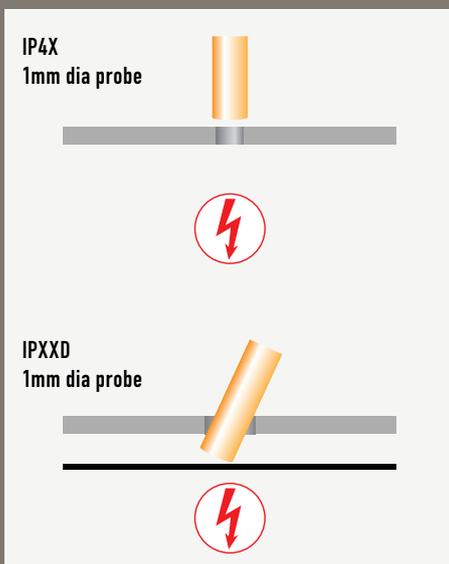
The index of protection is defined in BS EN 60529 - Degree of protection of enclosures of electrical equipment.

As quoted in Section 521.10.1, the Regulations allow two levels for the degree of protection:

IP4X - Protected against solid bodies greater than 1mm in diameter. The test uses a 1mm diameter, 100mm long test probe / wire. The probe is applied with a force of $1N \pm 10\%$ and is not allowed to enter the enclosure being tested.

IPXXD - Solid bodies no greater than 1mm in diameter may enter the top of the enclosure but will remain clear of hazardous parts. The test uses a 1mm diameter, 100mm long test probe / wire. The top of the enclosure may allow entry of the 100mm long test wire, however the wire is not allowed to touch any hazardous parts within the enclosure.

The Salamandre range of distribution trunking has evolved to include a simple solution to IP4X conformity.

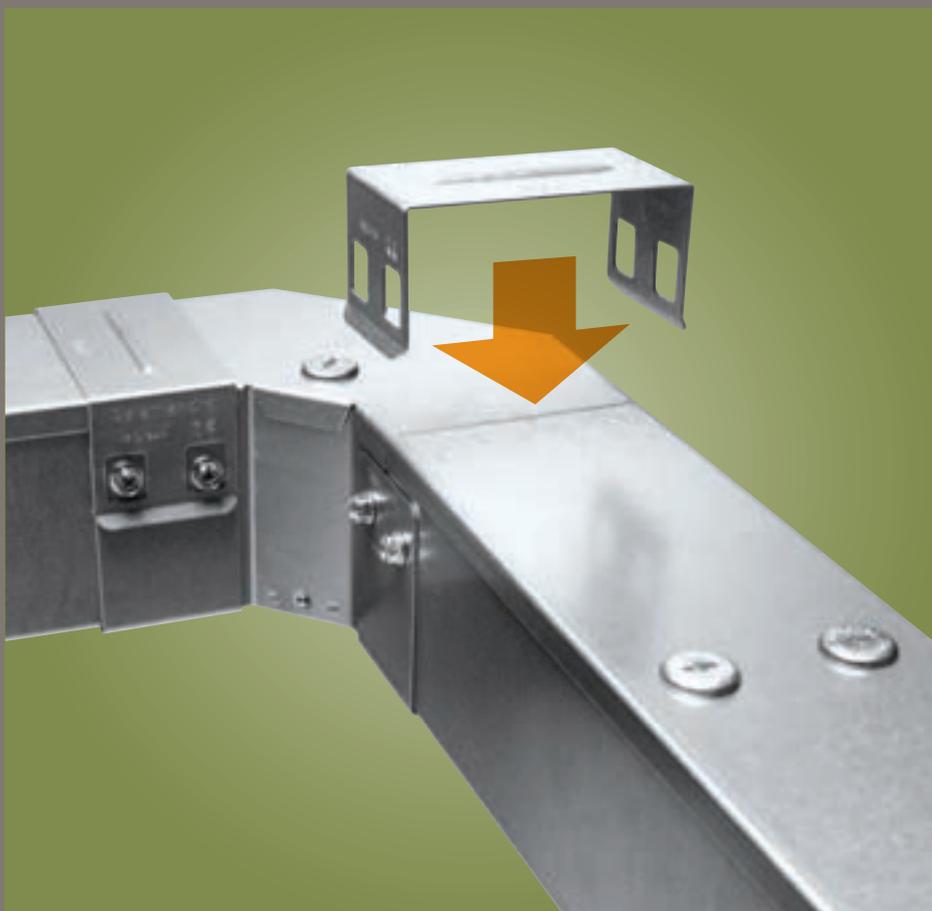


* Permission to reproduce extracts from BS 7671:2008+A1:2011 is granted by the British Standards Institution (BSI) and the Institute of Engineering and Technology (IET). No other use of this material is permitted. BS 7671:2008 Incorporating Amendment No 1: 2011 can be purchased in hardcopy format only from the IET website <http://electrical.theiet.org/> and the BSI online shop: <http://shop.bsigroup.com>

A simple, convenient solution

To achieve IP4X conformity using Salamandre requires the addition of a simple 'cover strap' which is connected to each coupler over the joint between two lids.

The range of IP4X fittings has all the benefits of Salamandre (see p. 4) and integrates fully with existing lengths and accessories to provide a total solution when using non-sheathed cable.



For IP4X protection, simply clip a 'cover strap' to each coupler over the joint between two lids

IP4X fittings should be specified to achieve the correct level of conformity

Fit faster... fit Salamandre®

50% faster to fit... Don't just take our word for it!

Independent tests by **BSRIA** confirm that Salamandre is at least 50% faster to fit than its predecessor.*

Luckins, author of the **Electrical Installation Times Guide** has recognised that Salamandre is significantly different from other trunking available in the current market and has therefore reflected the time-saving results that were achieved during the testing in their electronic database.

listed in
LUCKINS
DATABASE

*When fitting length to length or length to fitting. Full report available on request from Legrand.

Faster fitting for huge time savings

Salamandre distribution trunking sets the standard for fitting speed. With its unique pre-fitted coupling system, integrated shake-proof screws and a clip-on lid, fitting times can be 50% quicker than any alternative - at least. Together with a smooth safety edge for easier handling, the extensive Salamandre range is the ideal fit for anyone focused on reducing installation times.

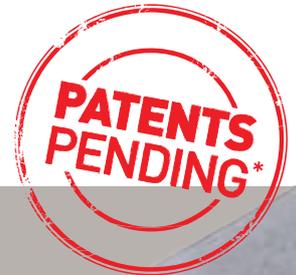
Save time, save money

The innovative design of Salamandre has led not only to real time, demonstrable savings for installers and contractors, but also to a significantly reduced total installed cost. Save time on site, save money on labour costs.

Salamandre simplifies and saves time at every stage. With 18 sizes and 1,700 catalogue numbers, the range keeps a consistency with catalogue numbers (similar to its predecessor) to maintain ease of ordering.



More innovations... more ways to save time



More innovations More ways to ensure faster fitting

▶ **TURNBUCKLE**
Push fit,
quarter-turn release

▶ **CLIP-ON LID**
Spring-loaded turnbuckles for fast, secure
fitting and easy maintenance

▶ **UNIQUE COUPLING SYSTEM**
Couplers are pre-fitted to one
end of each Salamandre length
for immediate time savings

▶ **SAFETY EDGE**
A smooth curved return
for safer handling and
minimised cable damage



▶ **MULTI-HEAD SCREWS**
Hex, cross and slot means
installers always have the right
screwdriver to hand



▶ **SHAKE-PROOF SCREWS**
No dropping, delays or fiddly
handling when working over head

▶ **CONVENIENT SLOTTED ENDS**
Rapid location and fixing

*UK patent application Nos GB1013839.4 and GB1016044.8

Legrand - global strength built on local knowledge

With a 15% share of the global market, the Legrand Group is the world specialist in cable management systems... and with our established Swifts, Salamandre and Arena-Walsall ranges, our cable management division has a firm leadership position in the UK.



Sustainable development

From design through to manufacturing, the Legrand Group selects materials and processes that respect people and the environment.

- Efficient and environmentally aware product design
- Product functions that help to avoid energy waste
- Management of manufacturing and logistics sites
- Integration of environmental concerns and ISO 14001 procedures at the Group's global sites. *

* 84% of sites are ISO 14001:2004 accredited including all UK sites.



Legrand in the UK - powered by specialists

In the UK Legrand has developed a customer focused structure which harnesses the power of its market leading specialist brands to deliver innovative, integrated solutions for every phase of construction.

Salamandre® ... a winner in the fast lane

**The Silverstone Wing, Silverstone,
Northamptonshire**

The project

The Silverstone Wing is the name of the new pit and paddock complex at the home of British motor racing, Silverstone.

The multi-million pound development provides world class facilities that include new garages, a race control building, conference and exhibition space, a new podium, media centre, hospitality and VIP spectator zones.

The solution

NG Bailey became the first company in the UK to specify and install our Salamandre distribution trunking throughout the Silverstone Wing.

The product, which is 50 per cent quicker to install than its predecessor when fitting length to length or length to fitting, was specified following an initial meeting with NG Bailey's project manager, Kevin Dunn.

Kevin, who was impressed by the potential cost savings the system offered due to the reduction in the amount of time needed to install it, said: "Time on site is always precious and any new product that delivers time savings is always welcome, but a product that reduces installation time by 50 per cent really is something for Legrand to shout about."

NG Bailey's site supervisor, Steve Povey helped with the initial installation of the trunking, working alongside an experienced electrician and an apprentice – both of whom gave it a glowing report.

"The Salamandre trunking really impressed me," said Steve. "I liked the clip on lids and hexagonal head fixing screws, especially as they allowed me to use a nut driver to secure them rather than standard cross head driver."

The new Silverstone Wing was completed in time to play host to the 2011 British Grand Prix.



Salamandre® distribution trunking

standard and IP4X trunking ranges

STANDARD TRUNKING RANGE

TRUNKING		FITTINGS										
Size (mm)	Lengths, lids and couplers	Top lid 90° bends – gussett	Top lid 90° bends – square	Inside lid 90° bends – gussett	Inside lid 90° bends – square	Outside lid 90° bends – gussett	Outside lid 90° bends – square	Top lid 45° bends	Inside lid 45° bends	Outside lid 45° bends	Top lid tees – gussett	Top lid tees – square
50 x 50	MGR22	MGR22AGL	MGR22ASL	MGR22BGL	MGR22BSL	MGR22CGL	MGR22CSL	MGR22AL	MGR22BL	MGR22CL	MGR22AGT	MGR22AST
75 x 50	MGR32	MGR32AGL	MGR32ASL	MGR32BGL	MGR32BSL	MGR32CGL	MGR32CSL	MGR32AL	MGR32BL	MGR32CL	MGR32AGT	MGR32AST
75 x 75	MGR33	MGR33AGL	MGR33ASL	MGR33BGL	MGR33BSL	MGR33CGL	MGR33CSL	MGR33AL	MGR33BL	MGR33CL	MGR33AGT	MGR33AST
100 x 50	MGR42	MGR42AGL	MGR42ASL	MGR42BGL	MGR42BSL	MGR42CGL	MGR42CSL	MGR42AL	MGR42BL	MGR42CL	MGR42AGT	MGR42AST
100 x 75	MGR43	MGR43AGL	MGR43ASL	MGR43BGL	MGR43BSL	MGR43CGL	MGR43CSL	MGR43AL	MGR43BL	MGR43CL	MGR43AGT	MGR43AST
100 x 100	MGR44	MGR44AGL	MGR44ASL	MGR44BGL	MGR44BSL	MGR44CGL	MGR44CSL	MGR44AL	MGR44BL	MGR44CL	MGR44AGT	MGR44AST
150 x 50	MGR62	MGR62AGL	MGR62ASL	MGR62BGL	MGR62BSL	MGR62CGL	MGR62CSL	MGR62AL	MGR62BL	MGR62CL	MGR62AGT	MGR62AST
150 x 75	MGR63	MGR63AGL	MGR63ASL	MGR63BGL	MGR63BSL	MGR63CGL	MGR63CSL	MGR63AL	MGR63BL	MGR63CL	MGR63AGT	MGR63AST
150 x 100	MGR64	MGR64AGL	MGR64ASL	MGR64BGL	MGR64BSL	MGR64CGL	MGR64CSL	MGR64AL	MGR64BL	MGR64CL	MGR64AGT	MGR64AST
150 x 150	MGR66	MGR66AGL	MGR66ASL	MGR66BGL	MGR66BSL	MGR66CGL	MGR66CSL	MGR66AL	MGR66BL	MGR66CL	MGR66AGT	MGR66AST
225 x 75	MGR93	MGR93AGL	MGR93ASL	MGR93BGL	MGR93BSL	MGR93CGL	MGR93CSL	MGR93AL	MGR93BL	MGR93CL	MGR93AGT	MGR93AST
225 x 100	MGR94	MGR94AGL	MGR94ASL	MGR94BGL	MGR94BSL	MGR94CGL	MGR94CSL	MGR94AL	MGR94BL	MGR94CL	MGR94AGT	MGR94AST
225 x 150	MGR96	MGR96AGL	MGR96ASL	MGR96BGL	MGR96BSL	MGR96CGL	MGR96CSL	MGR96AL	MGR96BL	MGR96CL	MGR96AGT	MGR96AST
225 x 225	MGR99	MGR99AGL	MGR99ASL	MGR99BGL	MGR99BSL	MGR99CGL	MGR99CSL	MGR99AL	MGR99BL	MGR99CL	MGR99AGT	MGR99AST
300 x 75	MGR123	MGR123AGL	MGR123ASL	MGR123BGL	MGR123BSL	MGR123CGL	MGR123CSL	MGR123AL	MGR123BL	MGR123CL	MGR123AGT	MGR123AST
300 x 100	MGR124	MGR124AGL	MGR124ASL	MGR124BGL	MGR124BSL	MGR124CGL	MGR124CSL	MGR124AL	MGR124BL	MGR124CL	MGR124AGT	MGR124AST
300 x 150	MGR126	MGR126AGL	MGR126ASL	MGR126BGL	MGR126BSL	MGR126CGL	MGR126CSL	MGR126AL	MGR126BL	MGR126CL	MGR126AGT	MGR126AST
300 x 300	MGR1212	MGR1212AGL	MGR1212ASL	MGR1212BGL	MGR1212BSL	MGR1212CGL	MGR1212CSL	MGR1212AL	MGR1212BL	MGR1212CL	MGR1212AGT	MGR1212AST

IP4X TRUNKING RANGE

TRUNKING		FITTINGS								
Size (mm)	Lengths, lids and couplers	Cover strap IP4X	Top lid 90° bends – gussett IP4X	Top lid 90° bends – square IP4X	Inside lid 90° bends – gussett IP4X	Inside lid 90° bends – square IP4X	Outside lid 90° bends – gussett IP4X	Outside lid 90° bends – square IP4X	Top lid 45° bends IP4X	Inside lid 45° bends IP4X
50 x 50	MGR22	MGIP2CS	MGIP22AGL	MGIP22ASL	MGIP22BGL	MGIP22BSL	MGIP22CGL	MGIP22CSL	MGIP22AL	MGIP22BL
75 x 50	MGR32	MGIP3CS	MGIP32AGL	MGIP32ASL	MGIP32BGL	MGIP32BSL	MGIP32CGL	MGIP32CSL	MGIP32AL	MGIP32BL
75 x 75	MGR33	MGIP3CS	MGIP33AGL	MGIP33ASL	MGIP33BGL	MGIP33BSL	MGIP33CGL	MGIP33CSL	MGIP33AL	MGIP33BL
100 x 50	MGR42	MGIP4CS	MGIP42AGL	MGIP42ASL	MGIP42BGL	MGIP42BSL	MGIP42CGL	MGIP42CSL	MGIP42AL	MGIP42BL
100 x 75	MGR43	MGIP4CS	MGIP43AGL	MGIP43ASL	MGIP43BGL	MGIP43BSL	MGIP43CGL	MGIP43CSL	MGIP43AL	MGIP43BL
100 x 100	MGR44	MGIP4CS	MGIP44AGL	MGIP44ASL	MGIP44BGL	MGIP44BSL	MGIP44CGL	MGIP44CSL	MGIP44AL	MGIP44BL
150 x 50	MGR62	MGIP6CS	MGIP62AGL	MGIP62ASL	MGIP62BGL	MGIP62BSL	MGIP62CGL	MGIP62CSL	MGIP62AL	MGIP62BL
150 x 75	MGR63	MGIP6CS	MGIP63AGL	MGIP63ASL	MGIP63BGL	MGIP63BSL	MGIP63CGL	MGIP63CSL	MGIP63AL	MGIP63BL
150 x 100	MGR64	MGIP6CS	MGIP64AGL	MGIP64ASL	MGIP64BGL	MGIP64BSL	MGIP64CGL	MGIP64CSL	MGIP64AL	MGIP64BL
150 x 150	MGR66	MGIP6CS	MGIP66AGL	MGIP66ASL	MGIP66BGL	MGIP66BSL	MGIP66CGL	MGIP66CSL	MGIP66AL	MGIP66BL
225 x 75	MGR93	MGIP9CS	MGIP93AGL	MGIP93ASL	MGIP93BGL	MGIP93BSL	MGIP93CGL	MGIP93CSL	MGIP93AL	MGIP93BL
225 x 100	MGR94	MGIP9CS	MGIP94AGL	MGIP94ASL	MGIP94BGL	MGIP94BSL	MGIP94CGL	MGIP94CSL	MGIP94AL	MGIP94BL
225 x 150	MGR96	MGIP9CS	MGIP96AGL	MGIP96ASL	MGIP96BGL	MGIP96BSL	MGIP96CGL	MGIP96CSL	MGIP96AL	MGIP96BL
225 x 225	MGR99	MGIP9CS	MGIP99AGL	MGIP99ASL	MGIP99BGL	MGIP99BSL	MGIP99CGL	MGIP99CSL	MGIP99AL	MGIP99BL
300 x 75	MGR123	MGIP12CS	MGIP123AGL	MGIP123ASL	MGIP123BGL	MGIP123BSL	MGIP123CGL	MGIP123CSL	MGIP123AL	MGIP123BL
300 x 100	MGR124	MGIP12CS	MGIP124AGL	MGIP124ASL	MGIP124BGL	MGIP124BSL	MGIP124CGL	MGIP124CSL	MGIP124AL	MGIP124BL
300 x 150	MGR126	MGIP12CS	MGIP126AGL	MGIP126ASL	MGIP126BGL	MGIP126BSL	MGIP126CGL	MGIP126CSL	MGIP126AL	MGIP126BL
300 x 300	MGR1212	MGIP12CS	MGIP1212AGL	MGIP1212ASL	MGIP1212BGL	MGIP1212BSL	MGIP1212CGL	MGIP1212CSL	MGIP1212AL	MGIP1212BL

STANDARD TRUNKING RANGE

FITTINGS										ACCESSORIES				
Inside lid tees – gusset	Outside lid tees – gusset	Offset tees ⁽¹⁾	Cross-overs	Offset cross-overs ⁽¹⁾	Reducers ⁽²⁾	Bell-mouths	Change faces – left hand ⁽³⁾	Change faces – right hand ⁽³⁾	Pin racks	End caps	Flanges	Fitting to fitting adaptors	Trunking couplers	
MGR22BGT	MGR22CGT	MGR22OST2C	MGR22AGX	MGR22OSX2C	–	MGR22B	MSIP22CLH	MSIP22CRH	MGR22PR	MGR22E	MGR22F	MGR22FA	MGR22C	
MGR32BGT	MGR32CGT	MGR32OST2C	MGR32AGX	MGR32OSX2C	MGR32 Z R	MGR32B	–	–	MGR32PR	MGR32E	MGR32F	MGR32FA	MGR32C	
MGR33BGT	MGR33CGT	MGR33OST2C	MGR33AGX	MGR33OSX2C	MGR33 Z R	MGR33B	MSIP33CLH	MSIP33CRH	MGR33PR	MGR33E	MGR33F	MGR33FA	MGR33C	
MGR42BGT	MGR42CGT	MGR42OST2C	MGR42AGX	MGR42OSX2C	MGR42 Z R	MGR42B	–	–	MGR42PR	MGR42E	MGR42F	MGR42FA	MGR42C	
MGR43BGT	MGR43CGT	MGR43OST2C	MGR43AGX	MGR43OSX2C	MGR43 Z R	MGR43B	–	–	MGR43PR	MGR43E	MGR43F	MGR43FA	MGR43C	
MGR44BGT	MGR44CGT	MGR44OST2C	MGR44AGX	MGR44OSX2C	MGR44 Z R	MGR44B	MSIP44CLH	MSIP44CRH	MGR44PR	MGR44E	MGR44F	MGR44FA	MGR44C	
MGR62BGT	MGR62CGT	MGR62OST2C	MGR62AGX	MGR62OSX2C	MGR62 Z R	MGR62B	–	–	MGR62PR	MGR62E	MGR62F	MGR62FA	MGR62C	
MGR63BGT	MGR63CGT	MGR63OST2C	MGR63AGX	MGR63OSX2C	MGR63 Z R	MGR63B	–	–	MGR63PR	MGR63E	MGR63F	MGR63FA	MGR63C	
MGR64BGT	MGR64CGT	MGR64OST2C	MGR64AGX	MGR64OSX2C	MGR64 Z R	MGR64B	–	–	MGR64PR	MGR64E	MGR64F	MGR64FA	MGR64C	
MGR66BGT	MGR66CGT	MGR66OST2C	MGR66AGX	MGR66OSX2C	MGR66 Z R	MGR66B	MSIP66CLH	MSIP66CRH	MGR66PR	MGR66E	MGR66F	MGR66FA	MGR66C	
MGR93BGT	MGR93CGT	MGR93OST2C	MGR93AGX	MGR93OSX2C	MGR93 Z R	MGR93B	–	–	MGR93PR	MGR93E	MGR93F	MGR93FA	MGR93C	
MGR94BGT	MGR94CGT	MGR94OST2C	MGR94AGX	MGR94OSX2C	MGR94 Z R	MGR94B	–	–	MGR94PR	MGR94E	MGR94F	MGR94FA	MGR94C	
MGR96BGT	MGR96CGT	MGR96OST2C	MGR96AGX	MGR96OSX2C	MGR96 Z R	MGR96B	–	–	MGR96PR	MGR96E	MGR96F	MGR96FA	MGR96C	
MGR99BGT	MGR99CGT	MGR99OST2C	MGR99AGX	MGR99OSX2C	MGR99 Z R	MGR99B	MSIP99CLH	MSIP99CRH	MGR99PR	MGR99E	MGR99F	MGR99FA	MGR99C	
MGR123BGT	MGR123CGT	MGR123OST2C	MGR123AGX	MGR123OSX2C	MGR123 Z R	MGR123B	–	–	MGR123PR	MGR123E	MGR123F	MGR123FA	MGR123C	
MGR124BGT	MGR124CGT	MGR124OST2C	MGR124AGX	MGR124OSX2C	MGR124 Z R	MGR124B	–	–	MGR124PR	MGR124E	MGR124F	MGR124FA	MGR124C	
MGR126BGT	MGR126CGT	MGR126OST2C	MGR126AGX	MGR126OSX2C	MGR126 Z R	MGR126B	–	–	MGR126PR	MGR126E	MGR126F	MGR126FA	MGR126C	
MGR1212BGT	MGR1212CGT	MGR1212OST2C	MGR1212AGX	MGR1212OSX2C	MGR1212 Z R	MGR1212B	MSIP1212CLH	MSIP1212CRH	MGR1212PR	MGR1212E	MGR1212F	MGR1212FA	MGR1212C	

(1) Not available in single compartment. Cat. Nos. shown are for 2 compartment option. For 3 compartment option, replace 2C with 3C
 (2) Replace Z with reduced trunking size code required (see p. 10) (3) For non square sizes refer to instructions on p. 25

IP4X TRUNKING RANGE

FITTINGS										ACCESSORIES			
Outside lid 45° bends IP4X	Top lid tees – gusset IP4X	Top lid tees – square IP4X	Inside lid tees – gusset IP4X	Outside lid tees – gusset IP4X	Cross-overs IP4X	Reducers ⁽¹⁾ IP4X	Bellmouths IP4X	Change faces – left hand ⁽²⁾	Change faces – right hand ⁽²⁾	End caps IP4X	Flanges IP4X	Trunking couplers	
MGIP22CL	MGIP22AGT	MGIP22AST	MGIP22BGT	MGIP22CGT	MGIP22AGX	–	MGIP22B	MSIP22CLH	MSIP22CRH	MGIP22E	MGIP22F	MGR22C	
MGIP32CL	MGIP32AGT	MGIP32AST	MGIP32BGT	MGIP32CGT	MGIP32AGX	MGIP32 Z R	MGIP32B	–	–	MGIP32E	MGIP32F	MGR32C	
MGIP33CL	MGIP33AGT	MGIP33AST	MGIP33BGT	MGIP33CGT	MGIP33AGX	MGIP33 Z R	MGIP33B	MSIP33CLH	MSIP33CRH	MGIP33E	MGIP33F	MGR33C	
MGIP42CL	MGIP42AGT	MGIP42AST	MGIP42BGT	MGIP42CGT	MGIP42AGX	MGIP42 Z R	MGIP42B	–	–	MGIP42E	MGIP42F	MGR42C	
MGIP43CL	MGIP43AGT	MGIP43AST	MGIP43BGT	MGIP43CGT	MGIP43AGX	MGIP43 Z R	MGIP43B	–	–	MGIP43E	MGIP43F	MGR43C	
MGIP44CL	MGIP44AGT	MGIP44AST	MGIP44BGT	MGIP44CGT	MGIP44AGX	MGIP44 Z R	MGIP44B	MSIP44CLH	MSIP44CRH	MGIP44E	MGIP44F	MGR44C	
MGIP62CL	MGIP62AGT	MGIP62AST	MGIP62BGT	MGIP62CGT	MGIP62AGX	MGIP62 Z R	MGIP62B	–	–	MGIP62E	MGIP62F	MGR62C	
MGIP63CL	MGIP63AGT	MGIP63AST	MGIP63BGT	MGIP63CGT	MGIP63AGX	MGIP63 Z R	MGIP63B	–	–	MGIP63E	MGIP63F	MGR63C	
MGIP64CL	MGIP64AGT	MGIP64AST	MGIP64BGT	MGIP64CGT	MGIP64AGX	MGIP64 Z R	MGIP64B	–	–	MGIP64E	MGIP64F	MGR64C	
MGIP66CL	MGIP66AGT	MGIP66AST	MGIP66BGT	MGIP66CGT	MGIP66AGX	MGIP66 Z R	MGIP66B	MSIP66CLH	MSIP66CRH	MGIP66E	MGIP66F	MGR66C	
MGIP93CL	MGIP93AGT	MGIP93AST	MGIP93BGT	MGIP93CGT	MGIP93AGX	MGIP93 Z R	MGIP93B	–	–	MGIP93E	MGIP93F	MGR93C	
MGIP94CL	MGIP94AGT	MGIP94AST	MGIP94BGT	MGIP94CGT	MGIP94AGX	MGIP94 Z R	MGIP94B	–	–	MGIP94E	MGIP94F	MGR94C	
MGIP96CL	MGIP96AGT	MGIP96AST	MGIP96BGT	MGIP96CGT	MGIP96AGX	MGIP96 Z R	MGIP96B	–	–	MGIP96E	MGIP96F	MGR96C	
MGIP99CL	MGIP99AGT	MGIP99AST	MGIP99BGT	MGIP99CGT	MGIP99AGX	MGIP99 Z R	MGIP99B	MSIP99CLH	MSIP99CRH	MGIP99E	MGIP99F	MGR99C	
MGIP123CL	MGIP123AGT	MGIP123AST	MGIP123BGT	MGIP123CGT	MGIP123AGX	MGIP123 Z R	MGIP123B	–	–	MGIP123E	MGIP123F	MGR123C	
MGIP124CL	MGIP124AGT	MGIP124AST	MGIP124BGT	MGIP124CGT	MGIP124AGX	MGIP124 Z R	MGIP124B	–	–	MGIP124E	MGIP124F	MGR124C	
MGIP126CL	MGIP126AGT	MGIP126AST	MGIP126BGT	MGIP126CGT	MGIP126AGX	MGIP126 Z R	MGIP126B	–	–	MGIP126E	MGIP126F	MGR126C	
MGIP1212CL	MGIP1212AGT	MGIP1212AST	MGIP1212BGT	MGIP1212CGT	MGIP1212AGX	MGIP1212 Z R	MGIP1212B	MSIP1212CLH	MSIP1212CRH	MGIP1212E	MGIP1212F	MGR1212C	

(1) Replace Z with reduced trunking size code required (see p. 10)
 (2) For non square sizes refer to instructions on p. 27

Salamandre® distribution and lighting trunking

order information

Distribution trunking

Salamandre distribution trunking is now available as traditional IP30 or IP4X to comply with the latest wiring regulations

IP30

Standard IP30 fittings are shown on p. 12-13 and have the MGR prefix

IP4X

IP4X fittings are shown on p. 14-15 and are prefixed with MGIP

Trunking lengths are common to both solutions and are detailed on p. 11, accessories on p. 16

To complete an IP4X installation an IP4X cover strap should be fitted to each joint

Trunking size codes

Size (mm) width x depth	Standard trunking
50 x 50	22
75 x 50	32
75 x 75	33
100 x 50	42
100 x 75	43
100 x 100	44
150 x 50	62
150 x 75	63
150 x 100	64
150 x 150	66
225 x 75	93
225 x 100	94
225 x 150	96
225 x 225	99
300 x 75	123
300 x 100	124
300 x 150	126
300 x 300	1212

In the Cat. Nos. shown on p. 11, replace **Z** with the relevant standard trunking size code

Lid fixings

Standard trunking is available with a selection of lid fixings. The chart opposite shows the relevant prefix for each type. Lighting trunking lids are purchased separately and simply clip into place.

Range	Prefix
Diecast turnbuckle	MGR
Screwfix (M5 x 9 mm)	MSR
Tamperproof screwfix (M5 x 8 TORX)	MSTR

Fittings

The chart below details each element required to correctly order a fitting

E.g. **MGR33AGX2C** = Turnbuckle 75 x 75 top lid gusset 4 way 2 compartment

Range / Lid fixing	Width	Height	Cover position	Gusset / Square	Function	Compartment
MGR = Turnbuckle	2 = 50 mm	2 = 50 mm	A = Top	G = Gusset	L = Bend	2C = 2 Compartment
MSR = Screw fix	3 = 75 mm	3 = 75 mm	B = Internal	S = Square	T = Tee	3C = 3 Compartment
MSTR = Tamperproof	4 = 100 mm	4 = 100 mm	C = External		X = Cross / 4 way	
MGIP = New IP4X range	6 = 150 mm 9 = 225 mm 12 = 300 mm	6 = 150 mm 9 = 225 mm 12 = 300 mm				

IP4X

To achieve IP4X, all fittings should be MGIP type (see p. 14-15). All joints must have cover straps fitted. Cover straps are not included with fittings and should be ordered separately.

To calculate the number of cover straps required for an installation use the following as a guide

Fitting	No. of IP4X cover straps
Bend	1
Tee	2
Crossover	3
Reducer	1
Bellmouth	1
Flange	1
Endcap	1

Consideration should also be given to cut lengths

Finishes

Finishes	Standard	Lighting
Pre-galvanised steel BS EN 10327 grade DX51D	● eg : MGR33	● eg : LT2610
Powder coated RAL 9003	● eg : MGR33P	● eg : WLT2510

Note :

powder coated versions are supplied with the DTB1 and DTB2 versions of turnbuckle. This is a standard 1/4 turn turnbuckle and not the push-fit type supplied on the standard MGR product

Compartment options

Distribution trunking is available in multi-compartment options. Trunking and fittings are supplied with equal compartments as standard. For unequal compartments, details must be supplied at the time of order. 3 compartment is available in width code 3 and above.

Distribution trunking lengths

For 1 compartment trunking there is no need to change the Cat. Nos. Example : MGR33

For 2 compartment trunking, add **2C** to the end of the Cat. No. Example : MGR33**2C**

For 3 compartment trunking, add **3C** to the end of the Cat. No. Example : MGR33**2C**

For 3 compartment trunking, add **3C** to the end of the Cat. No. Example : MGR33**2C**

Distribution trunking fittings

For 1 compartment trunking there is no need to change the Cat. No. Example : MGR33AGL

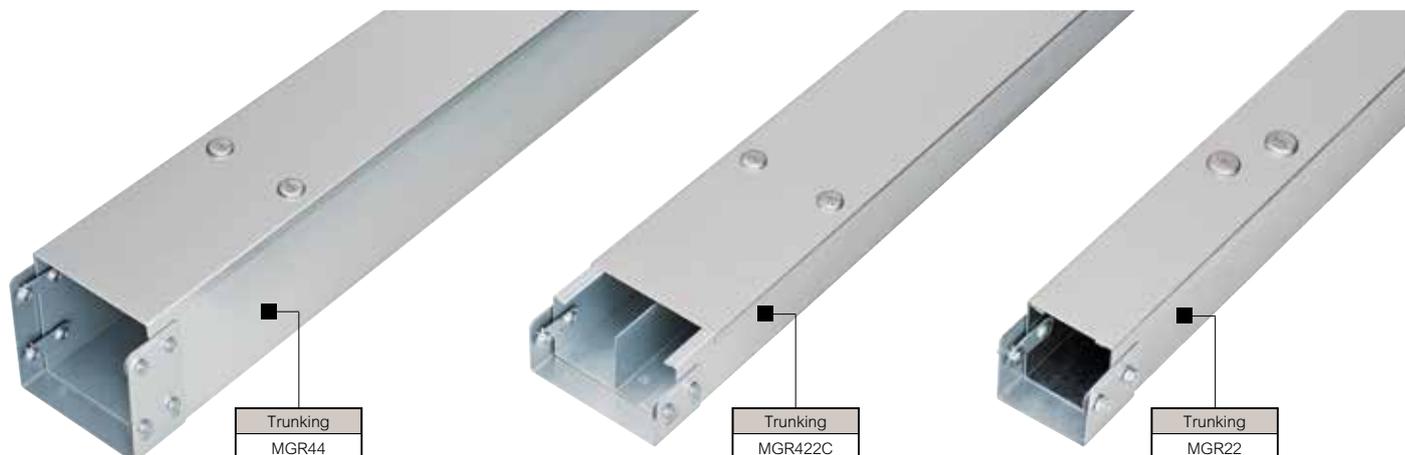
For 2 compartment trunking, add **2C** to the end of the Cat. No. Example : MGR33AGL**2C**

For 3 compartment trunking, add **3C** to the end of the Cat. No. Example : MGR33AGL**3C**

For 3 compartment trunking, add **3C** to the end of the Cat. No. Example : MGR33AGL**3C**

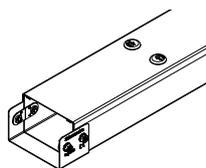
Salamandre® distribution trunking

lengths, lids and couplers



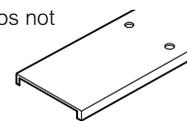
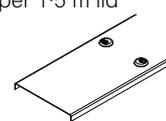
Selection chart (p. 8-9)
 Order information (p. 10)
 Standards and quality assessment (p. 20)
 Dimensions and technical information (p. 21-30)

Pack	Cat. Nos.	Trunking lengths – 3 m																																						
		A safety return edge steel surface trunking system with strength and rigidity Manufactured to BS EN 50085-2-1 Each trunking length is supplied with coupler (fitted), lid and lid fixings Supplied as standard with push-fit diecast turnbuckle fixings. For screwfix or tamperproof screwfix, replace MGR with MSR or MSTR. For more details (see order information p. 10)																																						
		Single compartment																																						
		Also available in multi-compartment options (see p. 10)																																						
		<table border="1"> <thead> <tr> <th>Width (mm)</th> <th>Depth (mm)</th> </tr> </thead> <tbody> <tr><td>50</td><td>50</td></tr> <tr><td>75</td><td>50</td></tr> <tr><td>75</td><td>75</td></tr> <tr><td>100</td><td>50</td></tr> <tr><td>100</td><td>75</td></tr> <tr><td>100</td><td>100</td></tr> <tr><td>150</td><td>50</td></tr> <tr><td>150</td><td>75</td></tr> <tr><td>150</td><td>100</td></tr> <tr><td>150</td><td>150</td></tr> <tr><td>225⁽¹⁾</td><td>75</td></tr> <tr><td>225⁽¹⁾</td><td>100</td></tr> <tr><td>225⁽¹⁾</td><td>150</td></tr> <tr><td>225⁽¹⁾</td><td>225</td></tr> <tr><td>300⁽¹⁾</td><td>75</td></tr> <tr><td>300⁽¹⁾</td><td>100</td></tr> <tr><td>300⁽¹⁾</td><td>150</td></tr> <tr><td>300⁽¹⁾</td><td>300</td></tr> </tbody> </table>	Width (mm)	Depth (mm)	50	50	75	50	75	75	100	50	100	75	100	100	150	50	150	75	150	100	150	150	225 ⁽¹⁾	75	225 ⁽¹⁾	100	225 ⁽¹⁾	150	225 ⁽¹⁾	225	300 ⁽¹⁾	75	300 ⁽¹⁾	100	300 ⁽¹⁾	150	300 ⁽¹⁾	300
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1	MGR123 ⁽¹⁾																																							
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1	MGR126 ⁽¹⁾																																							
1	MGR1212 ⁽¹⁾																																							

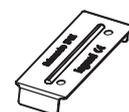
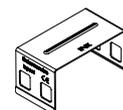
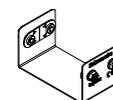


(1) Use additional cover straps (Cat. Nos. MGIP9TCS and MGIP12TCS) to achieve IP4X conformity, see opposite

Pack	Cat. Nos.	Spare lids
		Spare turnbuckle lids
		Diecast turnbuckles included Lids 50 to 150 wide : 6 per 3 m lid Lids 225 and 300 wide : 4 per 1.5 m lid
1	MGR2LID	50 mm wide x 3 m long
1	MGR3LID	75 mm wide x 3 m long
1	MGR4LID	100 mm wide x 3 m long
1	MGR6LID	150 mm wide x 3 m long
1	MGR9LID	225 mm wide x 1.5 m long
1	MGR12LID	300 mm wide x 1.5 m long
		Spare screwfix and tamperproof screwfix lids
		Screws and retaining clips not included (see p. 16) Lids up to 150 wide : 6 per 3 m lid Lids 225 and 300 wide : 4 per 1.5 m lid
		Replace MGR with MSR (screwfix) in the Cat. Nos. above



Pack	Cat. Nos.	Accessories
		Trunking couplers
		Supplied with coupler screws fitted and backed off
1	MGR Z C	
		IP4X cover strap
		Clips over coupler joint to provide IP4X Used in conjunction with IP4X fittings, see p. 14 for details
1	MGIP2CS	50 mm cover strap
1	MGIP3CS	75 mm cover strap
1	MGIP4CS	100 mm cover strap
1	MGIP6CS	150 mm cover strap
1	MGIP9CS	225 mm cover strap
1	MGIP12CS	300 mm cover strap
		IP4X cover strap for lids
		Clips over joint between two lids to provide IP4X conformity For use with 225 mm and 300 mm wide trunking Kit includes cover strap two clip options and M5 fixing screws
1	MGIP9TCS	225 mm cover strap
1	MGIP12TCS	300 mm cover strap



Key : Z = trunking size code
 Replace Z with the relevant code (see p. 10)



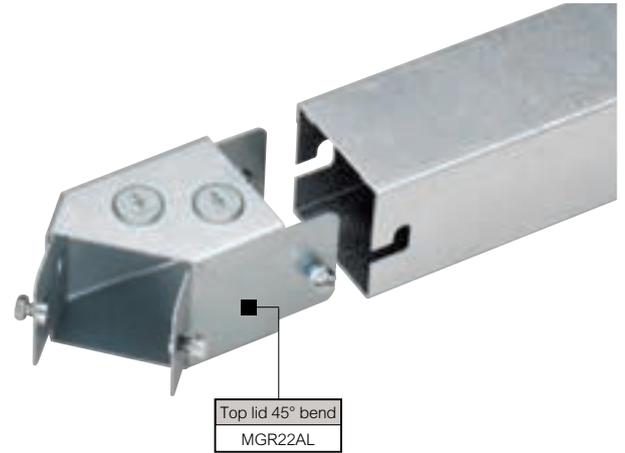
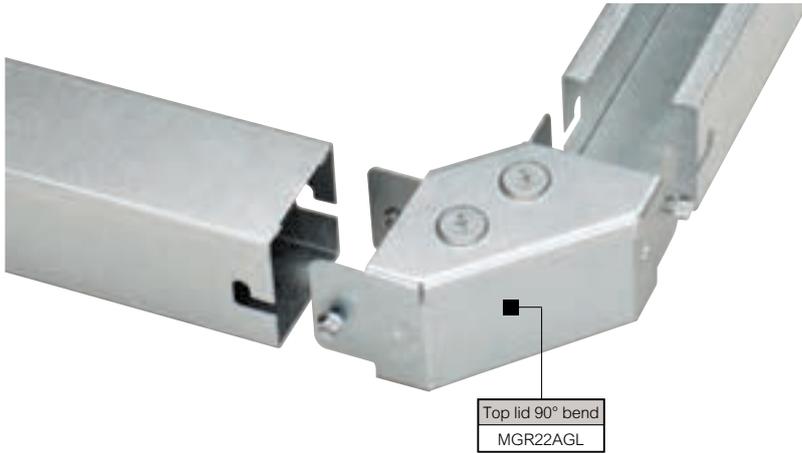
MGR can be replaced by MSR or MSTR for screwfix lids or tamperproof screwfix lids
 Also available in multi-compartment options

see p. 10

NEW

Salamandre® distribution trunking

standard fittings



Selection chart (p. 8-9)
Order information (p. 10)
Standards and quality assessment (p. 20)
Dimensions and technical information (p. 24-25)

Pack	Cat. Nos.	Fittings
		90° bends All bends are supplied with lid, lid fixings and coupler screws pre-fitted and backed off
		Top lid 90° bends – gusset
1	MGR Z AGL	1 compartment
1	MGR Z AGL2C	2 compartment
1	MGR Z AGL3C	3 compartment
		Top lid 90° bends – square
1	MGR Z ASL	1 compartment
1	MGR Z ASL2C	2 compartment
1	MGR Z ASL3C	3 compartment
		Inside lid 90° bends – gusset
1	MGR Z BGL	1 compartment
1	MGR Z BGL2C	2 compartment
1	MGR Z BGL3C	3 compartment
		Inside lid 90° bends – square
1	MGR Z BSL	1 compartment
1	MGR Z BSL2C	2 compartment
1	MGR Z BSL3C	3 compartment
		Outside lid 90° bends – gusset
1	MGR Z CGL	1 compartment
1	MGR Z CGL2C	2 compartment
1	MGR Z CGL3C	3 compartment
		Outside lid 90° bends – square
1	MGR Z CSL	1 compartment
1	MGR Z CSL2C	2 compartment
1	MGR Z CSL3C	3 compartment

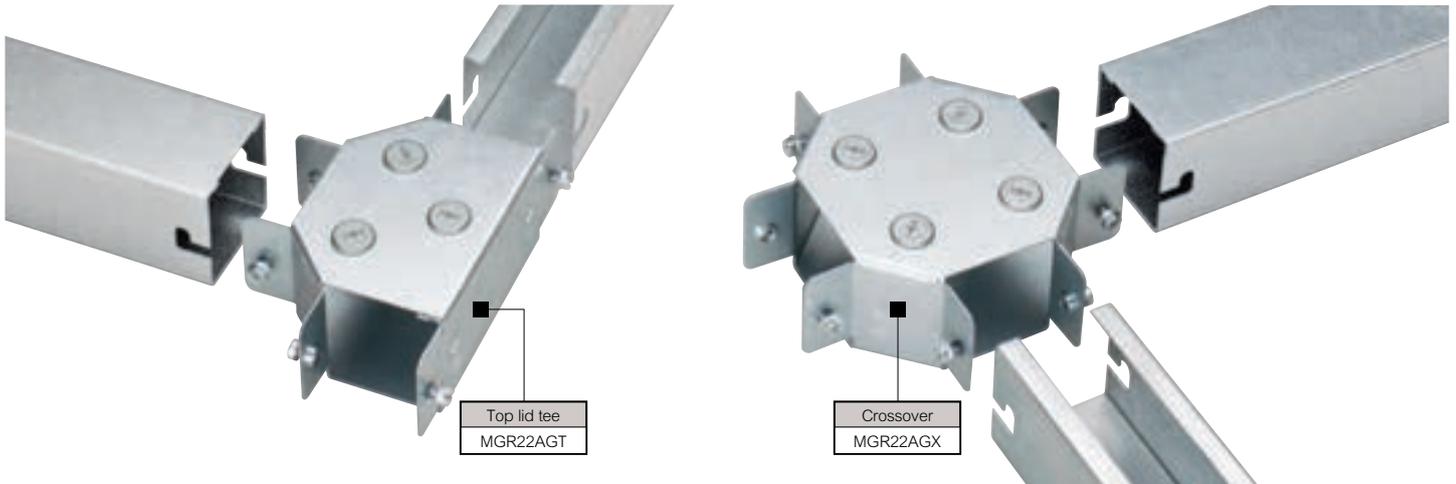
Pack	Cat. Nos.	Fittings (continued)
		45° bends All bends are supplied with lid, lid fixings and coupler screws pre-fitted and backed off
		Top lid 45° bends
1	MGR Z AL	1 compartment
1	MGR Z AL2C	2 compartment
1	MGR Z AL3C	3 compartment
		Inside lid 45° bends
1	MGR Z BL	1 compartment
1	MGR Z BL2C	2 compartment
1	MGR Z BL3C	3 compartment
		Outside lid 45° bends
1	MGR Z CL	1 compartment
1	MGR Z CL2C	2 compartment
1	MGR Z CL3C	3 compartment
		Flange
1	MGR Z F	
		End cap
1	MGR Z E	
		Expansion coupler
1	MGR Z EX	
		Change faces Supplied with lids, lid fixings and one trunking connector fitted Not available in multi-compartment or tamperproof versions Only available in IP4X screwfix options see p. 25
		Left hand – square sizes only
1	MSIP Z CLH	
		Right hand – square sizes only
1	MSIP Z CRH	
		Fitting to fitting adaptors Supplied with lid and lid fixings
1	MGR Z FA	

Key : Z = trunking size code
Replace Z with the relevant code (see p. 10)

Note : 3 compartment trunking is available in size codes 32 (75 mm wide) and above

Salamandre® distribution trunking

standard fittings (continued)



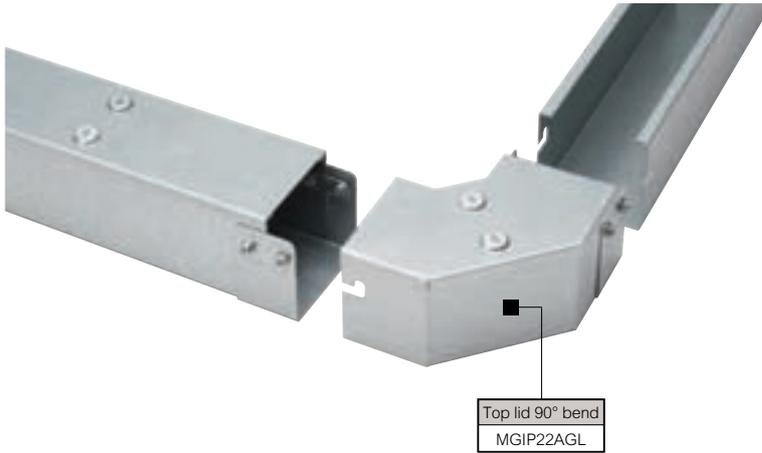
Selection chart (p. 8-9)
 Order information (p. 10)
 Standards and quality assessment (p. 20)
 Dimensions and technical information (p. 24-25)

Pack	Cat. Nos.	Fittings (continued)
		Tees All top lid, inside lid and outside lid tees are supplied with lid, lid fixings and coupler screws pre-fitted and backed-off Offset tees are supplied with lids and lid fixings only All 2 and 3 compartment tees include a bridge flyover complete with fixing brackets and screws Bridge flyovers reduce the cable capacity by 50% except on offset products which give full cable capacity Inside and outside lid tees – square, available to special order Contact us on +44 (0) 345 605 4333
1	MGR Z AGT	Top lid tees – gusset
1	MGR Z AGT2C	
1	MGR Z AGT3C	
1	MGR Z AST	Top lid tees – square
1	MGR Z AST2C	
1	MGR Z AST3C	
1	MGR Z BGT	Inside lid tees – gusset
1	MGR Z BGT2C	
1	MGR Z BGT3C	
1	MGR Z CGT	Outside lid tees – gusset
1	MGR Z CGT2C	
1	MGR Z CGT3C	
1	MGR Z OST2C	Full capacity offset tees
1	MGR Z OST3C	

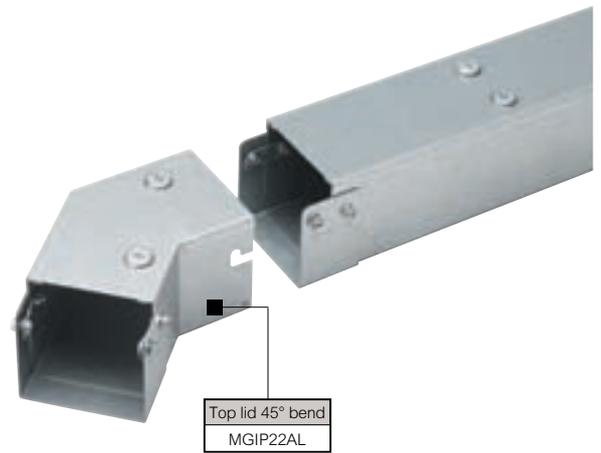
Pack	Cat. Nos.	Fittings (continued)
		Crossovers Supplied with lid, lid fixings and coupler screws pre-fitted and backed-off All 2 and 3 compartment crossovers include a bridge flyover complete with fixing brackets and screws Bridge flyovers reduce the cable capacity by 50% except on offset products which give full cable capacity
1	MGR Z AGX	
1	MGR Z AGX2C	
1	MGR Z AGX3C	
1	MGR Z OSX2C	Full capacity offset crossovers
1	MGR Z OSX3C	
1	MGR Z Z R	Reducers Supplied with lids, lid fixings and coupler screws. The larger trunking size uses standard coupler (not supplied) for joining to reducer (Cat. No. MGR Z C see p. 11)
		Bellmouths Supplied with lids, lid fixings and bellmouth to trunking coupler screws
1	MGR Z B	
1	MGR Z B2C	
1	MGR Z B3C	

Key : Z = trunking size code
 Replace Z with the relevant code (see p. 10)

	MGR can be replaced by MSR or MSTR for screwfix lids or tamperproof screwfix lids Also available in multi-compartment options
	see p. 10



Top lid 90° bend
MGIP22AGL



Top lid 45° bend
MGIP22AL

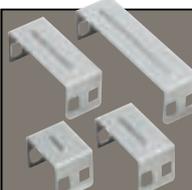


Selection chart (p. 8-9)
Order information (p. 10)
Standards and quality assessment (p. 20)
Dimensions and technical information (p. 26-27)

Pack	Cat. Nos.	Fittings
		IP4X 90° bends All bends are supplied with lid, lid fixings and a coupler pre-fitted with screws backed off, ready to accept slotted trunking
1	MGIP Z AGL	1 compartment
1	MGIP Z AGL2C	2 compartment
1	MGIP Z AGL3C	3 compartment
		IP4X top lid 90° bends – gusset
1	MGIP Z AGL	1 compartment
1	MGIP Z AGL2C	2 compartment
1	MGIP Z AGL3C	3 compartment
		IP4X top lid 90° bends – square
1	MGIP Z ASL	1 compartment
1	MGIP Z ASL2C	2 compartment
1	MGIP Z ASL3C	3 compartment
		IP4X inside lid 90° bends – gusset
1	MGIP Z BGL	1 compartment
1	MGIP Z BGL2C	2 compartment
1	MGIP Z BGL3C	3 compartment
		IP4X inside lid 90° bends – square
1	MGIP Z BSL	1 compartment
1	MGIP Z BSL2C	2 compartment
1	MGIP Z BSL3C	3 compartment
		IP4X outside lid 90° bends – gusset
1	MGIP Z CGL	1 compartment
1	MGIP Z CGL2C	2 compartment
1	MGIP Z CGL3C	3 compartment
		IP4X outside lid 90° bends – square
1	MGIP Z CSL	1 compartment
1	MGIP Z CSL2C	2 compartment
1	MGIP Z CSL3C	3 compartment

Pack	Cat. Nos.	Fittings (continued)
		IP4X 45° bends All bends are supplied with lid, lid fixings and a coupler pre-fitted with screws backed off, ready to accept slotted trunking
		IP4X top lid 45° bends
1	MGIP Z AL	1 compartment
1	MGIP Z AL2C	2 compartment
1	MGIP Z AL3C	3 compartment
		IP4X inside lid 45° bends
1	MGIP Z BL	1 compartment
1	MGIP Z BL2C	2 compartment
1	MGIP Z BL3C	3 compartment
		IP4X outside lid 45° bends
1	MGIP Z CL	1 compartment
1	MGIP Z CL2C	2 compartment
1	MGIP Z CL3C	3 compartment
		IP4X change faces Supplied with lids, lid fixings and one trunking connector fitted. Not available in multi-compartment. Only available in IP4X screwfix or tamperproof versions. For non square size options see p. 27
1	MSIP Z CLH	Left hand – square sizes only
1	MSIP Z CRH	Right hand – square sizes only
		IP4X cover strap Clips over coupler joint to provide IP4X. Used in conjunction with IP4X fittings
1	MGIP2CS	50 mm cover strap
1	MGIP3CS	75 mm cover strap
1	MGIP4CS	100 mm cover strap
1	MGIP6CS	150 mm cover strap
1	MGIP9CS	225 mm cover strap
1	MGIP12CS	300 mm cover strap

For lengths, lids and couplers, see p. 11



To achieve IP4X, all joints of the system should have a cover strap fitted. These should be ordered separately – 1 per length, 1 per bend / reducer, 2 per tee, 3 per crossover

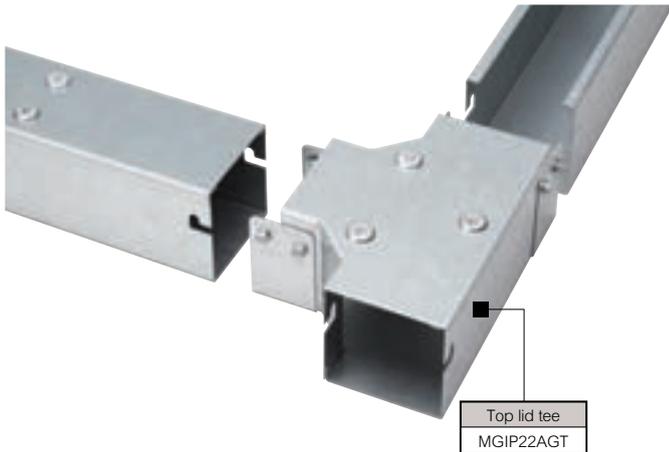
see p. 10

Key : Z = trunking size code
Replace Z with the relevant code (see p. 10)

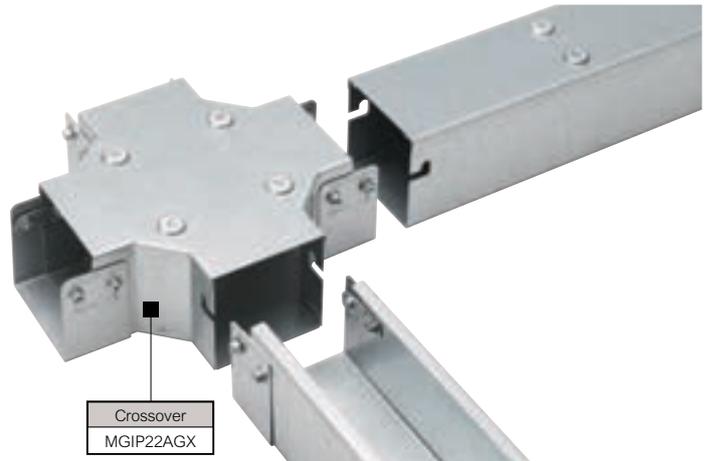
Salamandre® distribution trunking

IP4X fittings (continued)

IP4X



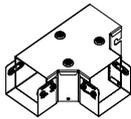
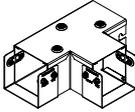
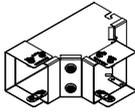
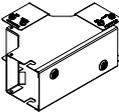
Top lid tee
MGIP22AGT

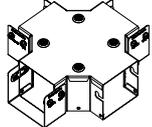
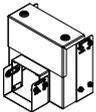
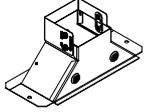
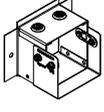
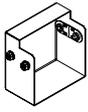


Crossover
MGIP22AGX

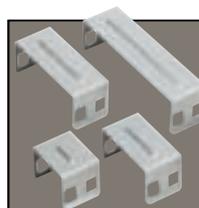


Selection chart (p. 8-9)
Order information (p. 10)
Standards and quality assessment (p. 20)
Dimensions and technical information (p. 26-27)

Pack	Cat. Nos.	Fittings (continued)
		<p>IP4X tees</p> <p>All top lid, inside lid and outside lid tees are supplied with lid, lid fixings and two couplers pre-fitted with screws backed-off ready to accept slotted trunking. All 2 and 3 compartment tees include a bridge flyover complete with fixing brackets and screws. Bridge flyovers reduce the cable capacity by 50% except on offset products which give full cable capacity. Inside and outside lid tees – square, available by special order. Contact us on +44 (0) 345 605 4333</p>
1	MGIP Z AGT	<p>IP4X top lid tees – gusset</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z AGT2C	
1	MGIP Z AGT3C	
1	MGIP Z AST	<p>IP4X top lid tees – square</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z AST2C	
1	MGIP Z AST3C	
1	MGIP Z BGT	<p>IP4X inside lid tees – gusset</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z BGT2C	
1	MGIP Z BGT3C	
1	MGIP Z CGT	<p>IP4X outside lid tees – gusset</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z CGT2C	
1	MGIP Z CGT3C	

Pack	Cat. Nos.	Fittings (continued)
		<p>IP4X crossovers</p> <p>Crossovers are supplied with lid, lid fixings and three couplers pre-fitted with screws backed-off ready to accept slotted trunking. All 2 and 3 compartment crossovers include a bridge flyover complete with fixing brackets and screws. Bridge flyovers reduce the cable capacity by 50% except on offset products which give full cable capacity.</p> 
1	MGIP Z AGX	<p>1 compartment 2 compartment 3 compartment</p>
1	MGIP Z AGX2C	
1	MGIP Z AGX3C	
1	MGIP Z Z R	<p>IP4X reducers</p> <p>Supplied with lids, lid fixings and two couplers pre-fitted with screws backed-off ready to accept slotted trunking.</p> 
1	MGIP Z B	<p>IP4X bellmouths</p> <p>Supplied with lids, lid fixings and a coupler pre-fitted with screws backed-off ready to accept slotted trunking.</p> 
1	MGIP Z B2C	
1	MGIP Z B3C	
1	MGIP Z F	<p>IP4X flange</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z F2C	
1	MGIP Z F3C	
1	MGIP Z E	<p>IP4X end cap</p> <p>1 compartment 2 compartment 3 compartment</p> 
1	MGIP Z E2C	
1	MGIP Z E3C	

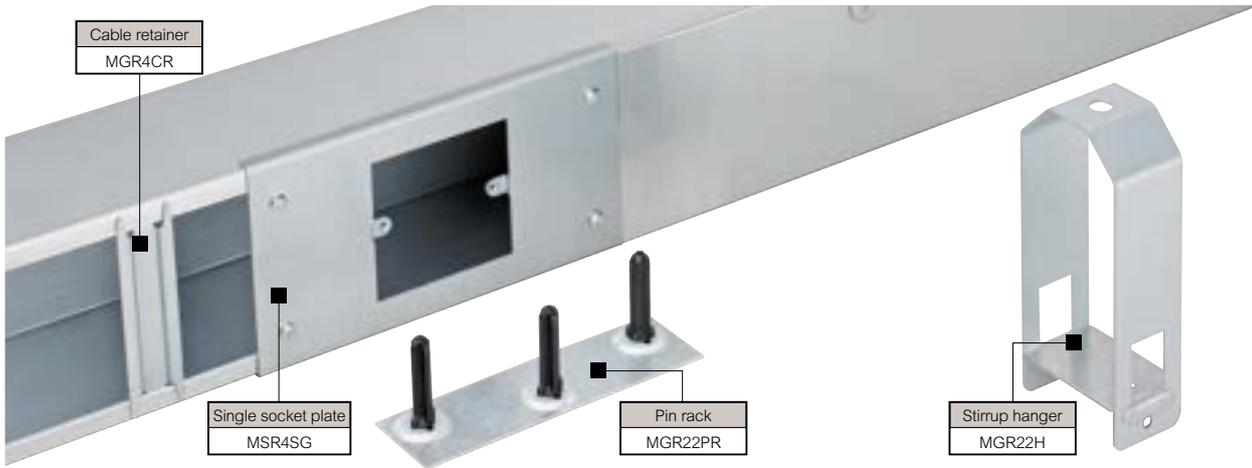
Key : Z = trunking size code
Replace Z with the relevant code (see p. 10)



To achieve IP4X, all joints of the system should have a cover strap fitted. These should be ordered separately – 1 per length, 1 per bend / reducer, 2 per tee, 3 per crossover

see p. 10

Salamandre® distribution trunking accessories and fasteners



Selection chart (p. 8-9)
 Order information (p. 10)
 Standards and quality assessment (p. 20)
 Dimensions and technical information (p. 28)

Pack	Cat. Nos.	Accessories		
10	MGR2CR	Cable retainers 50 mm wide		
10	MGR3CR	75 mm wide		
10	MGR4CR	100 mm wide		
10	MGR6CR	150 mm wide		
10	MGR9CR	225 mm wide		
10	MGR12CR	300 mm wide		
1	MGR Z PR	Pin racks 1 compartment Multi-compartment trunking Order per compartment		
10	EL	Earth link Fastenings not supplied		
1	MGR22H	Stirrup hangers Hole for M10 rod		
1	MGR33H			50 mm wide. 50 mm max. depth
1	MGR44H			75 mm wide. 75 mm max. depth
1	MGR66H			100 mm wide. 100 mm max. depth
1	MGR9 Z H	150 mm wide. 150 mm max. depth		
1	MGR12 Z H	225 mm wide (not illustrated)		
1	MGR12 Z H	300 mm wide (not illustrated)		
10	MGR Z OH	Overhead hanger Hole for M10 rod Trunking must be fixed to base of hanger		
1	MGR2PART	Loose partitions – 3 m		
1	MGR3PART			50 mm deep
1	MGR4PART			75 mm deep
1	MGR6PART			100 mm deep
1	MGR9PART			150 mm deep
1	MGR12PART			225 mm deep
1	MGR12PART	300 mm deep		

Pack	Cat. Nos.	Accessories (continued)	
1	T206	PVC edging strip For fitting on to top edge of partition 10 m strip	
		Socket plates Not applicable to IP4X Only available in screwfix or tamperproof	
		Single	
1	MSR4SG	100 mm wide	
1	MSR6SG	150 mm wide	
1	MSR9SG	225 mm wide	
1	MSR12SG	300 mm wide	
		Twin	
1	MSR4TS	100 mm wide	
1	MSR6TS	150 mm wide	
1	MSR9TS	225 mm wide	
1	MSR12TS	300 mm wide	
100	ETCLIP	Fasteners M5 clip nut	
10	RTB1	Diecast turnbuckle for lid width up to 150 mm	
10	RTB2	Diecast turnbuckle for lid width 225 mm and above	
100	T301	Screwfix M5 x 9	
100	T304	Tamperproof screwfix (M5 TORX) M5 x 8	
100	T306	M5 Hex nut	
1	TX25	Screwdriver for tamperproof screwfix	

Key : Z = trunking size code
 Replace Z with the relevant code (see p. 10)
 Note:
 For stirrup hangers (where shown), insert ONLY THE SECOND NUMBER from the relevant trunking size code

Salamandre® lighting trunking

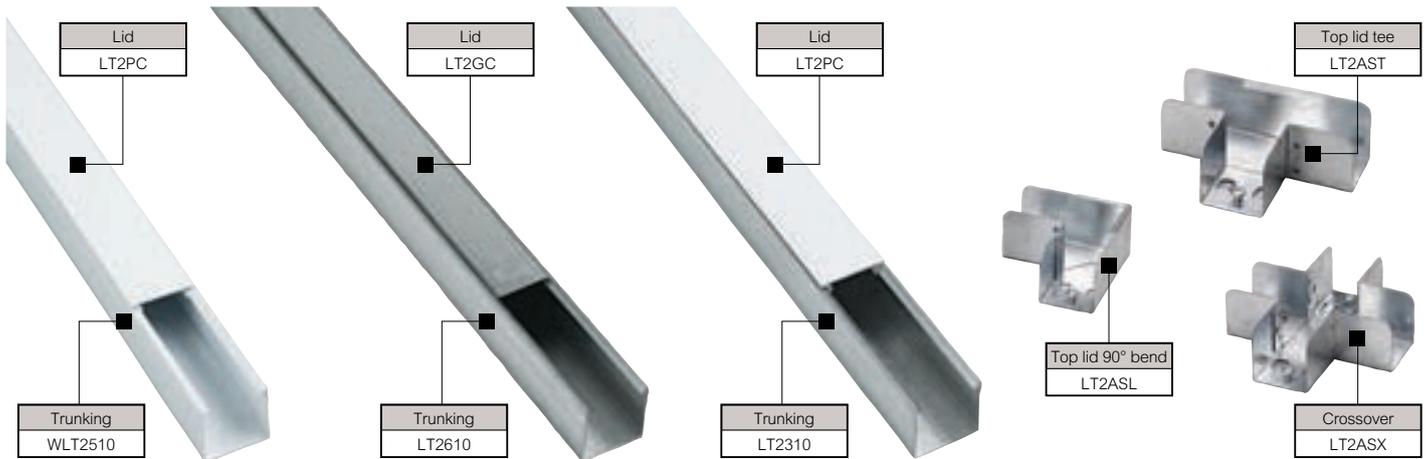
selection chart

LIGHTING TRUNKING RANGE

TRUNKING		FITTINGS										
Finish	Size (mm)	Lengths	Galvanised lid	White plastic standard lids	Top lid 90° bends	Inside lid 90° bends	Outside lid 90° bends	Top lid 45° bends	Inside lid 45° bends	Outside lid 45° bends	Top lid tees	
Galvanised	50 x 50	LT2	LT2GC	LT2PC	LT2ASL	LT2BSL	LT2CSL	LT2AL	LT2BL	LT2CL	LT2AST	
Powder coated	50 x 50	WLT2	WLT2GC	LT2PC	WLT2ASL	WLT2BSL	WLT2CSL	WLT2AL	WLT2BL	WLT2CL	WLT2AST	
FITTINGS				ACCESSORIES								
Finish	Inside lid tees	Outside lid tees	Crossovers	End caps	Flanges	Girder clamps	Stirrup hangers	Suspension units	Pull switch adaptors	Cable retainers	Klik adaptors	Long couplers
Galvanised	LT2BST	LT2CST	LT2ASX	LT2E	LT2F	LT2GCL	LT2H	LT2FS	LT2PSA	LT2CR	LT2KL	LT2C
Powder coated	WLT2BST	WLT2CST	WLT2ASX	WLT2E	WLT2F	WLT2GCL	WLT2H	LT2FS	LT2PSA	LT2CR	LT2KL	LT2C

Salamandre® lighting trunking

lengths, lids and fittings



Selection chart (p. 17)
Dimensions and technical information (p. 31)

A 'clip-in' lid trunking system for fast installation
Available with a choice of 3 lids in plastic or galvanised finishes
For white powder coated finish to RAL 9003 product code starts WLT2,
for pre-galvanised code starts LT2
All lighting trunking fittings have friction grip to aid quick installation

Pack	Cat. Nos.	Trunking lengths
1	WLT2510	Lids and couplers not included White Nominal steel thickness 1.0 mm 50 mm x 50 mm – 5 m Galvanised Nominal steel thickness 1.0 mm
1	LT2310	50 mm x 50 mm – 3 m
1	LT2410	50 mm x 50 mm – 4 m
1	LT2510	50 mm x 50 mm – 5 m
1	LT2610	50 mm x 50 mm – 6 m
1	LT2GC WLT2GC	Lids Lids – galvanised 2 m length Standard width Standard width – painted
1	LT2PC	Lid – white plastic 2 m length Standard width

Pack	Cat. Nos.	Fittings
1	LT2C	Long coupler 50 mm x 50 mm
1	LT2ASL WLT2ASL	Top lid 90° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2BSL WLT2BSL	Inside lid 90° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2CSL WLT2CSL	Outside lid 90° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2AL WLT2AL	Top lid 45° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2BL WLT2BL	Inside lid 45° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2CL WLT2CL	Outside lid 45° bends 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2AST WLT2AST	Top lid tees 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2BST WLT2BST	Inside lid tees 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2CST WLT2CST	Outside lid tees 50 mm x 50 mm 50 mm x 50 mm – white
1	LT2ASX WLT2ASX	Crossovers 50 mm x 50 mm 50 mm x 50 mm – white

Salamandre® lighting trunking accessories



Selection chart (p. 17)
Dimensions and technical information (p. 31)

Pack	Cat. Nos.	Accessories	
1	LT2E WLT2E	End caps 50 mm x 50 mm 50 mm x 50 mm – white	
1	LT2F WLT2F	Flanges 50 mm x 50 mm 50 mm x 50 mm – white	
1	LT2GCL WLT2GCL	Girder clamps 50 mm x 50 mm 50 mm x 50 mm – white	
1	LT2H10	Stirrup hangers 50 mm x 50 mm, 10 mm hole 50 mm x 50 mm, 20 mm hole	
1	LT2H20		
1	WLT2H10 WLT2H20	50 mm x 50 mm – white, 10 mm hole 50 mm x 50 mm – white, 20 mm hole	
10	LT2FS	Suspension unit	
10	LT2PSA	Pull switch adaptor	

Pack	Cat. Nos.	Accessories (continued)	
10	LT2CR	Cable retainer	
10	LT2KL	Klik adaptor For use with S26 Klik socket (not supplied)	
1	LT2MH	Male screwed hook	

Salamandre® distribution trunking

standards and quality assessment

■ Distribution trunking classification

Legrand's steel distribution trunking was previously made to BS 4678 Part 1. This is now an obsolete standard and has been replaced by the latest BS European standard BS EN 50085-2-1

Classification to BS EN 50085-1 2005 and BS EN 50085-2-1 2006

- Clause 6.2 According to resistance to impact for installation and application : impact 2·0J
- Clause 6.3 According to temperatures given in tables 1, 2 and 3 :

	Min.	Max.
1. Storage and transport	- 25°C	-
2. Installation	- 15°C	-
3. Application	-	+ 60°C

- Clause 6.4 According to resistance to flame propagation : non-flame propagating (unpainted)
- Clause 6.5 According to electrical continuity characteristic : CTS with electrical continuity (maximum linear impedance 1·0 milliohms per metre)
- Clause 6.6 According to electrical insulating characteristic : CTS without electrical insulating characteristic
- Clause 6.7 According to degree of protection provided by enclosure according to BS EN 60529 : 1991 : IP30 – standard range IP4X – IP range with cover strap
- Clause 6.9 According to system access cover retention : CTS access cover which can only be opened with a tool
- Clause 6.10 According to electrically protective separation : CTS without internal protective partition
- Clause 6.101 According to position when surface mounted : CTS surface mounted on wall CTS surface mounted on ceiling (CTS mounted away from the wall or ceiling using fixing devices Declare cover mounted upwards 2·0 metre hanger centres)
- Clause 6.103 According to the functions provided : Type 2 CTS (distribution)

■ Quality assessment and trade association memberships

Legrand offers a vast range of fully integrated cable management products to meet the demands of today's commercial and industrial installations... designed and manufactured to the highest standards at our Scarborough and West Bromwich sites

Quality and environmental assessment

Legrand Electric Limited holds ISO 9001 : 2008 Quality Assessment Registrations from Intertek Systems Certification UK and Bureau Veritas

The Salamandre range is manufactured at Legrand sites that are accredited to ISO 14001 : 2004 Environmental Management System



Intertek



Trade association memberships

Legrand Electric Limited is a member of the following trade associations :

- BEAMA
- Galvanizers Association (GA)
- Energy Industries Council (EIC)
- First Point Assessment (FPAL)



Reg no. 10042065

Salamandre® distribution trunking

trunking size, capacity and weights

■ Selecting the size of trunking required

The cable trunking capacity guide shown below can be used for the initial size calculation. This table is based on the maximum number of cables of a given size that can be physically accommodated within the trunking. In an actual installation, however, consideration must be given to a number of other factors:

1. Where cables cross each other such as in a tee or fourway / cross, extra space will be required
2. Depending upon the type of installation, future wiring needs could well require spare trunking capacity
3. Larger cables, in particular, do not lie neatly and flatly. Consideration must be given to the practicality of laying cable within a trunking compartment
4. The cable trunking capacity guide can be used for each compartment within multi-compartment trunking
5. A 50% reduction in capacity will apply at tees and fourway / crosses unless offset fittings are used

■ Cable trunking capacity guide

For each size of cable, multiply the number to be installed by the common factor. Add together the results of these calculations for all cable sizes. The correct trunking size must have a capacity factor equal to or greater than this total

Example:

$$\begin{array}{r}
 24 \times 16 \text{ mm}^2 \text{ stranded} @ \text{ factor } 47.8 = 1147.2 \\
 20 \times 2.5 \text{ mm}^2 \text{ solid} @ \text{ factor } 11.9 = 238.0 \\
 \hline
 1385.2
 \end{array}$$

Minimum trunking size required in this example = 75 x 50 (trunking capacity factor 1555)

Cable sizes and factors

Size (mm ²) (nom.)	Common cable factor
Solid	
1-5	8.0
2-5	11.9
Stranded	
1-5	8.6
2-5	12.6
4-0	16.6
6-0	21.2
10-0	35.3
16-0	47.8
25-0	73.9
35-0	93.3
50-0	128.7
70-0	167.4
95-0	229.7
120-0	277.6
150-0	343.1
240-0	552.0

Trunking sizes and capacity factors

Size (mm)	Trunking capacity factor
50 x 50	1037
75 x 50	1555
75 x 75	2371
100 x 50	2091
100 x 75	3189
100 x 100	4252
150 x 50	3091
150 x 75	4742
150 x 100	6394
150 x 150	9697
225 x 75	7114
225 x 100	9298
225 x 150	14652
225 x 225	21766
300 x 75	9486
300 x 100	12788
300 x 150	19447
300 x 300	38000

■ Standard distribution trunking weights

The approximate weights given are for pre-galvanised finish only, in kilograms (nominal) and subject to material thickness tolerance

	Size (mm)																	
	50 x 50	75 x 50	75 x 75	100 x 50	100 x 75	100 x 100	150 x 50	150 x 75	150 x 100	150 x 150	225 x 75	225 x 100	225 x 150	225 x 225	300 x 75	300 x 100	300 x 150	300 x 300
Trunking lengths per metre including lid and couplers	1.9	2.8	3.2	3.2	3.7	4.2	4.2	4.7	5.1	7.6	6.1	7.9	9.2	11.0	9.0	9.6	10.8	14.4
Bends	0.3	0.4	0.5	0.5	0.6	0.7	0.9	0.9	1.1	1.3	1.7	2.0	2.4	3.0	2.7	3.0	3.5	3.9
Tees	0.3	0.4	0.5	0.6	0.7	0.7	0.9	1.0	1.1	1.3	1.7	1.9	2.2	2.7	2.6	2.9	3.2	3.6
Crossovers	0.4	0.5	0.6	0.6	0.7	0.8	1.0	1.0	1.1	1.3	1.7	1.8	1.9	2.4	2.6	2.6	2.8	3.3
Reducers	–	0.5	0.5	0.5	0.7	0.8	0.8	0.9	1.0	1.1	1.4	1.5	1.6	1.9	1.8	1.8	1.9	2.8
Bellmouths	0.5	0.8	0.8	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2.2	2.3	2.4	2.9	2.8	2.8	2.9	3.9
Change faces	0.6	0.8	1.0	1.0	1.1	1.3	1.3	1.4	1.5	2.3	1.8	2.4	2.8	3.3	3.0	2.9	3.2	4.3
Loose separators per metre	0.4	0.4	0.5	0.4	0.5	0.7	0.4	0.5	0.7	1.0	0.5	0.7	1.0	1.5	0.5	0.7	1.0	2.0

■ Multi-compartment weights

Trunking lengths

To calculate the weight of multi-compartment trunking add the weight of the relevant number of loose separators to that of the trunking

Fittings

Multiply the weight of the fitting by the appropriate factor

	2 compartment factor	3 compartment factor	MGIP
Bend	1.25	1.50	1.10
Tee	1.50	2.00	1.12
Crossover	1.50	2.00	1.22
Bellmouth	1.25	1.50	1.10

All dimensions (mm) are nominal

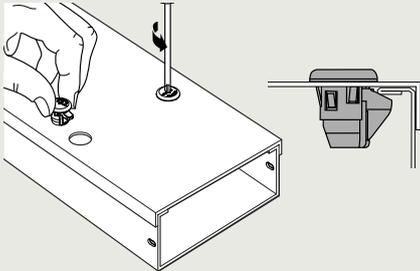
Salamandre® distribution trunking

installation of components

■ Lid fixing details

Diecast turnbuckle

Unique push-fit / 1/4 turn release turnbuckles
Smooth diecast turnbuckle with spring loaded latch allows covers to simply push-fit into place
To release, rotate the turnbuckle 90° using a slot or cross head screwdriver
Manufactured from annealed spring steel and diecast zinc alloy



Drill a 14.1 mm hole in lid to accept turnbuckle

Fit turnbuckle into the lid by holding in latch to locate the first half of the turnbuckle and then push home with your thumb

To lock, the turnbuckle can be turned 90° and the lid can be push fitted or you can fit lid then turn the turnbuckle 90°

Screw fixing

Screws are M5 x 9 mm posidrive, pan head with earth nib on underside of head and a rounded end to prevent cable damage
Manufactured to BS 4183 and BS 3643 from low carbon mild steel, zinc plated and clear passivated

Tamperproof screw fixing

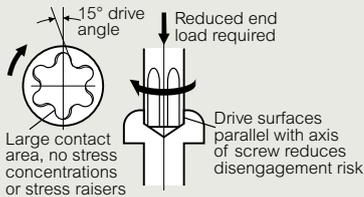
A M5 x 8 mm pan head screw with the efficient high torque TORX®(1) recess

Tamperproof screw fix lids are supplied fitted with mild steel plated screws with TORX®(1) screws bagged separately for fitting when installation is complete

- Torque transmitted positively and accurately
- Large contact area – reduces wear
- Parallel sides – holds screwdriver captive and virtually eliminates slippage

Manufactured to BS 4183 and BS 3643 from low carbon mild steel, zinc plated and clear passivated

A special TORX®(1) screwdriver is needed (see p. 16)



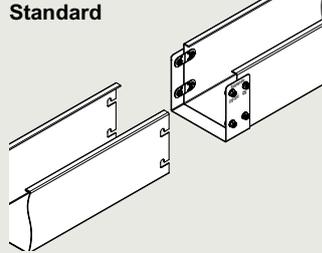
(1) TORX is a registered trademark of Camcat/Textron Inc.

■ Coupling details

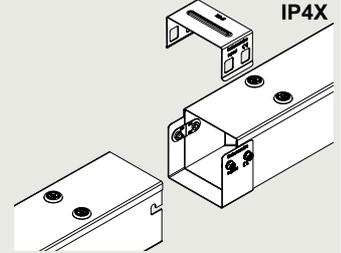
Length to length

One end of each trunking length is supplied with a coupler pre-fitted with receiving screws also pre-fitted and backed off ready to accept opposing trunking end
To connect simply offer the open end internally toward the coupler at a slightly higher level until body locates and drops into slot
Screws can then be tightened by a couple of turns until secure
To achieve IP4X, use standard lengths and simply click the cover strap over the joint

Standard



IP4X



IP4X cable trunking cover strap kit

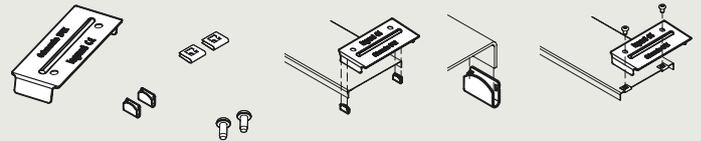
For 225 mm and 300 mm wide trunking
Use cover straps (Cat. Nos. MGIP9TCS and MGIP12TCS) across lid joints in larger sized trunking to achieve IP4X conformity
Cover straps can be fixed with clips or screws (supplied)

IP4X Cover strap kit

Cat. Nos. MGIP9TCS and MGIP9TCS

Clip fix option

Screw fix option



Fitting to length

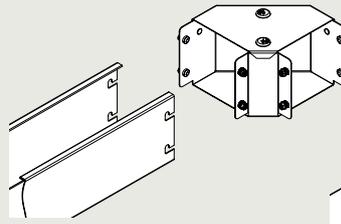
Standard fittings are supplied with an integrated coupler on each open end with screws fitted and backed-off

To connect simply offer the trunking externally toward the fitting at a slightly higher level until body locates and drops into slot

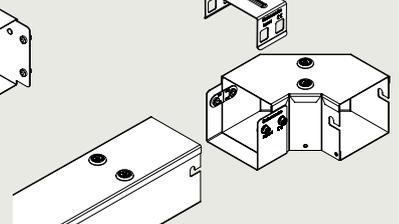
Screws can then be tightened by a couple of turns until secure

To achieve IP4X, use standard lengths, IP4X fittings and the IP4X cover strap

Standard



IP4X



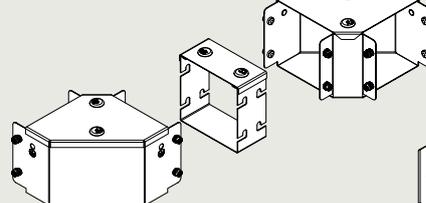
Fitting to fitting

Standard fittings have an integrated coupler, a fittings to fittings adaptor is therefore required (see p. 12)

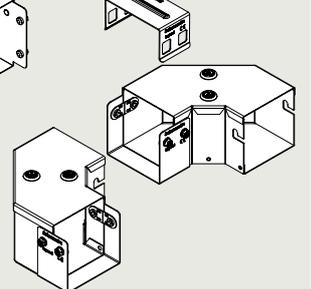
Fittings are then assembled in the same manner as above

IP4X fittings are supplied with an external coupler pre-fitted. To connect two fittings, one coupler may need to be removed. Complete installation with cover strap (purchased separately)

Standard



IP4X



All dimensions (mm) are nominal

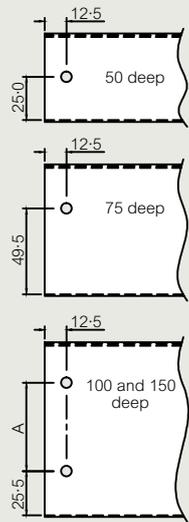
Salamandre® distribution trunking

drilling information with dimensions and technical information

Hole positions for cut lengths

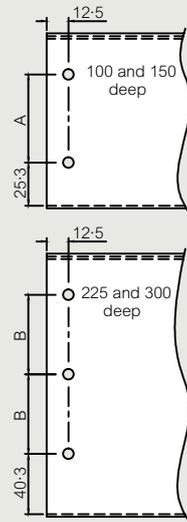
Drill clearance holes in cut length for M5 pan head screws in positions shown below

Up to 150 mm wide



Trunking depth	A
100	51
150	101

100 and 150 mm wide



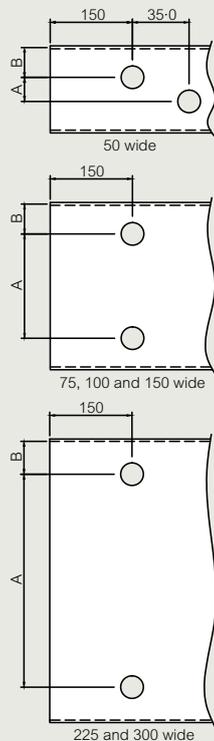
Trunking depth	A	C
75	25.0	–
100	51.0	–
225	–	72.5
300	–	110.0

Note :
All dimensions
from inside in
mm (nominal)

Hole positions for lids cut to length

Turnbuckle

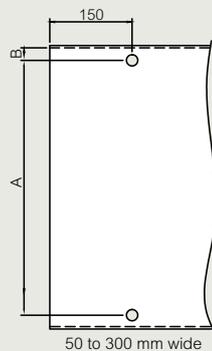
Ø 14.1 mm holes



Cover width	A	B
50	15.0	18.6
75	40.0	18.6
100	65.0	18.6
150	115.0	18.6
225	187.5	21.0
300	263.0	21.0

Screw fixed

Ø 7.2 mm holes



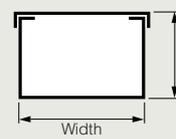
Trunking width	A	B
50	40.0	6.50
75	65.0	7.25
100	90.0	7.25
150	140.0	7.50
225	215.0	5.00
300	290.0	5.00

Trunking lengths

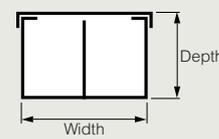
Each trunking length is supplied with lid, lid fixing and pre-fitted coupler with backed off screws

For trunking sizes and size codes (see p. 10)

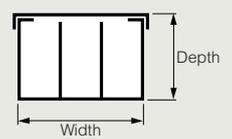
1 compartment



2 compartment

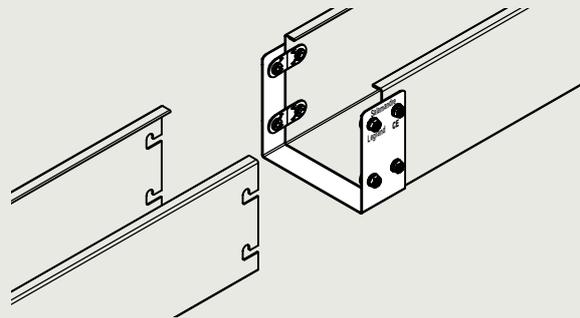


3 compartment



Trunking and fittings are supplied with equal compartments as standard. For unequal compartments, details must be supplied at time of order for this non-standard product

Trunking coupler



50 mm deep
4 screws per coupler

75 mm deep (up to 150 mm wide)
4 screws per coupler

75 (225 mm and 300 mm wide)
100 mm and 150 mm deep
8 screws per coupler

225 mm and 300 mm deep
12 screws per coupler

Supplied with coupler screws

Sets using 45° bends and fitting adaptors

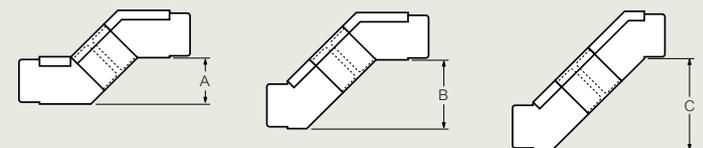
Various offsets can be achieved using two standard MGR 45° bends

Simply connect an inside lid bend to an outside lid bend using a fitting to fitting adaptor (see p. 12), in one of the three configurations below

Available on up to 150 x 150 mm trunking only

For MGIP 45° bends, see p. 26

Supplied with lid and lid fixings



Trunking depth	A	B	C
50	50	75	100
75	60	90	110
100	70	95	115
150	85	105	130

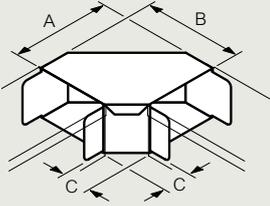
All dimensions (mm) are nominal

Salamandre® distribution trunking

standard fittings – dimensions and technical information

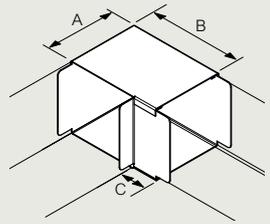
■ 90° bends

AGL top lid 90° bend – gusset



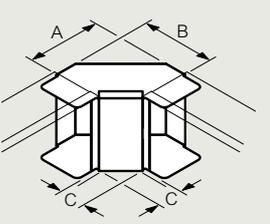
Width	A	B	C
50	75	75	25
75	100	100	25
100	125	125	25
150	175	175	25
225	251	251	25
300	326	326	25

ASL top lid 90° bend – square



Width	A	B	C
50	50	85	35
75	75	110	35
100	100	135	35
150	150	185	35
225	225	260	35
300	300	335	35

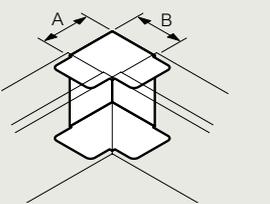
BGL inside lid 90° bend – gusset



Up to 150 wide			
Depth	A	B	C
50	86	86	35
75	110	110	35
100	136	136	35
150	186	186	35

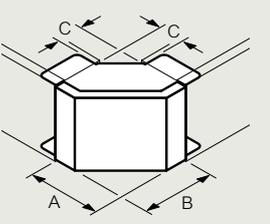
225 and 300 wide			
Depth	A	B	C
50	86	86	35
75	110	110	35
100	136	136	35
150	186	186	35
225	305	305	35
300	336	336	35

BSL inside lid 90° bend – square



Depth	A	B
50	50	50
75	75	75
100	100	100
150	150	150
225	225	225
300	300	300

CGL outside lid 90° bend – gusset

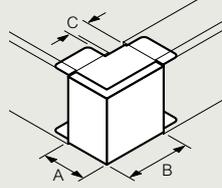


Up to 150 wide			
Depth	A	B	C
50	75	75	25
75	100	100	25
100	125	125	25
150	175	175	25

225 and 300 wide			
Depth	A	B	C
50	75	75	25
75	100	100	25
100	125	125	25
150	175	175	25
225	250	250	25
300	325	325	25

■ 90° bends (continued)

CSL outside lid 90° bend – square



Width and depth refer to trunking sizes
Dimensions are identical for single and multi-compartment

Up to 150 wide

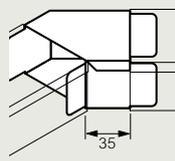
Depth	A	B	C
50	50	75	25
75	75	100	25
100	100	125	25
150	150	175	25

225 and 300 wide

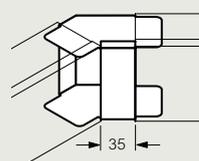
Depth	A	B	C
50	75	74	25
75	100	99	25
100	125	124	25
150	175	174	25
225	250	249	25
300	325	324	25

■ 45° bends

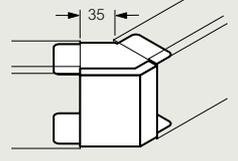
AL top lid 45° bend



BL inside lid 45° bend

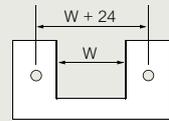
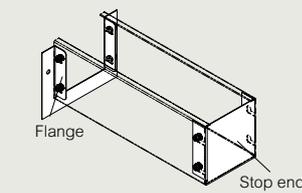


CL outside lid 45° bend

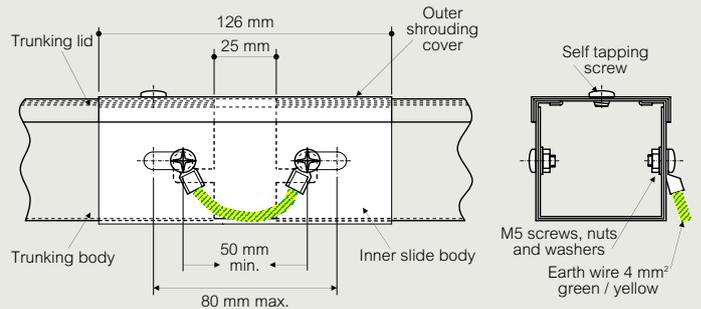


Dimensions are identical for single and multi-compartment

■ End caps and flanges



■ Expansion couplers

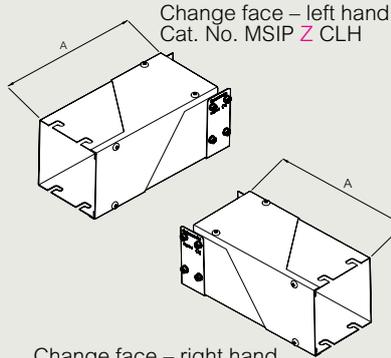
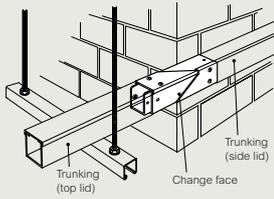


50 x 50 mm trunking shown

Method of operation

Expansion couplers consist of two parts : outer slide body and shrouding cover. Fit trunking into expansion coupler and secure with M5 screws, nut and washer, ensuring earth lead is securely fitted under connecting point. Fit outer shrouded cover to one of the main trunking lids using self tapping screws (supplied)

Change faces



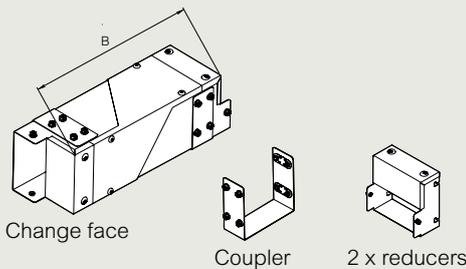
Width (mm)	A (mm)
50 x 50	165
75 x 75	190
100 x 100	215
150 x 150	265
225 x 225	300
300 x 300	375

Width refers to trunking sizes

For non-square trunking, change face units must be used in conjunction with reducers and couplers

For example :

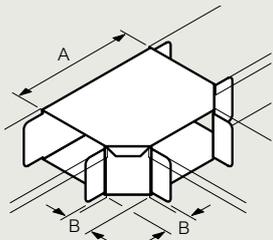
- for Cat. No. MGR62 (150 x 150 mm trunking lengths) use Cat. No. MSIP66CLH change face unit + Cat. No. MGR662R x2 reducers + Cat. No. MGR66C coupler



Trunking size (mm)	Overall length (mm)	
	Trunking size (mm)	B (mm)
50 x 50	285	
75 x 75	310	
100 x 100	335	
150 x 150	385	
225 x 225	420	
300 x 300	495	

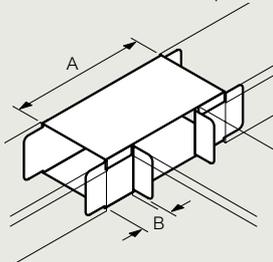
Tees

AGT top lid tee – gusset



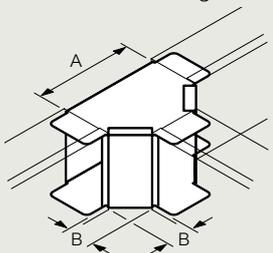
Width	A	B
50	100	25
75	125	25
100	150	25
150	200	25
225	275	25
300	350	25

AST inside lid tee – square



Width	A	B
50	120	35
75	145	35
100	170	35
150	220	35
225	295	35
300	370	35

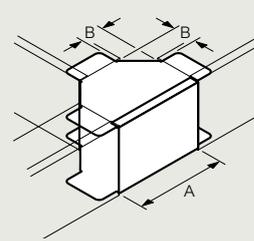
BGT inside lid tee – gusset



Up to 150 wide			225 and 300 wide		
Depth	A	B	Depth	A	B
50	120	35	50	162	35
75	145	35	75	187	35
100	170	35	100	212	35
150	220	35	150	262	35
			225	337	35
			300	412	35

Tees (continued)

CGT outside lid tee – gusset



Up to 150 wide

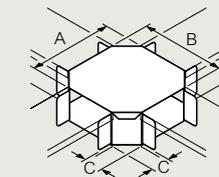
Depth	A	B
50	100	25
75	125	25
100	150	25
150	200	25

225 and 300 wide

Depth	A	B
50	100	25
75	125	25
100	150	25
150	200	25
225	275	25
300	350	25

Crossovers

AGX crossover

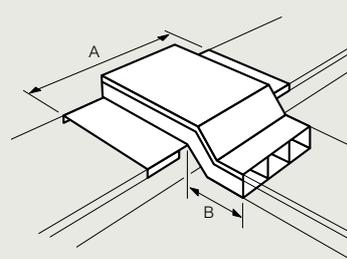


Width	A	B	C
50	100	100	25
75	125	125	25
100	150	150	25
150	200	200	25
225	275	275	25
300	350	350	25

Dimensions are identical for single and multi-compartment

Offset tees and crossovers

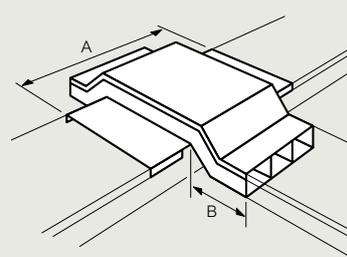
Offset tee



Width and branch of tee	A	Depth of through trunking	
		B	B
50	150	50	130
75	175	75	160
100	200	100	196
150	250	150	266
225	325	225	373
300	400	300	478

Note : There is no loss of cable capacity when using offset tees and crossovers

Offset crossover

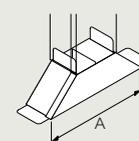
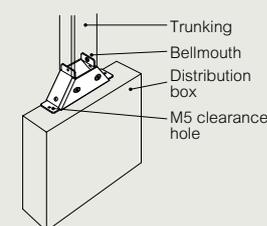


Width of crossover	A	Depth of through trunking	
		B	B
50	150	50	130
75	175	75	160
100	200	100	196
150	250	150	266
225	325	225	373
300	400	300	478

Width and Depth refer to trunking sizes
Dimensions are identical for single and multi-compartment

Each offset tee is supplied complete with fixing bracket and M5 pozi pan head screw and nut
Offset tees can be inverted to allow cables to branch off on opposite sides of trunking

Bellmouths



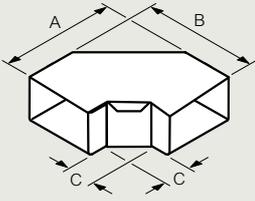
Width	A
50	147
75	172
100	197
150	247
225	322
300	397

Width refers to trunking sizes
Dimensions are identical for single and multi-compartment

All dimensions (mm) are nominal

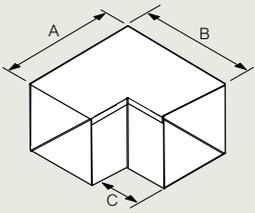
■ **90° bends**

AGL top lid 90° bend – gusset



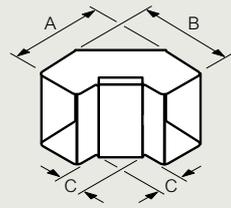
Width	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53
225	280	280	53
300	355	355	53

ASL top lid 90° bend – square



Width	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53
225	280	280	53
300	355	355	53

BGL inside lid 90° bend – gusset



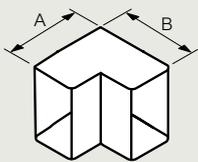
Up to 150 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53

225 and 300 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53
225	280	280	53
300	355	355	53

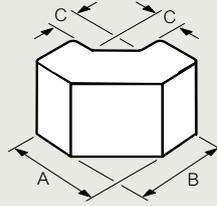
BSL inside lid 90° bend – square



Depth	A	B	C
50	110	110	58
75	135	135	58
100	160	160	58
150	210	210	58
225	285	285	58
300	360	360	58

■ **90° bends (continued)**

CGL outside lid 90° bend – gusset



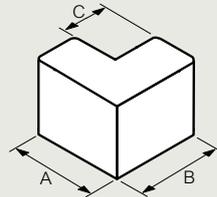
Up to 150 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53

225 and 300 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53
225	280	280	53
300	355	355	53

CSL outside lid 90° bend – square



Up to 150 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53

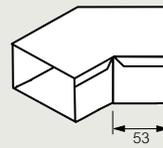
225 and 300 wide

Depth	A	B	C
50	105	105	53
75	130	130	53
100	155	155	53
150	205	205	53
225	280	280	53
300	355	355	53

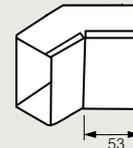
Width and depth refer to trunking sizes
Dimensions are identical for single and multi-compartment

■ **45° bends**

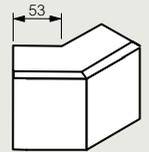
AL top lid 45° bend



BL inside lid 45° bend

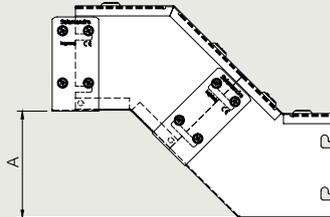


CL outside lid 45° bend



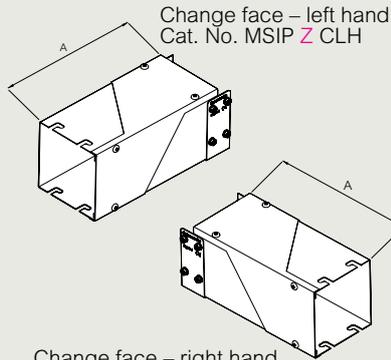
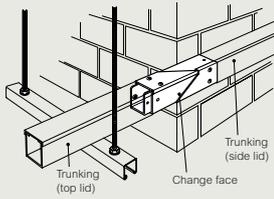
Dimensions are identical for single and multi-compartment

Fitting to fitting (CL and BL)



Depth	A
50	90
75	97
100	104
150	119

Change faces



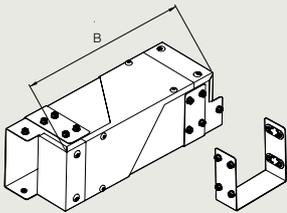
Width (mm)	A (mm)
50 x 50	165
75 x 75	190
100 x 100	215
150 x 150	265
225 x 225	300
300 x 300	375

Width refers to trunking sizes

For non-square trunking, change face units must be used in conjunction with reducers, couplers and cover straps

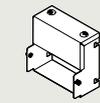
For example :

- for Cat. No. MGR62 (150 x 150 mm trunking lengths) use Cat. No. MSIP66CLH change face unit + Cat. No. MGR662R x 2 reducers + Cat. No. MGR66C coupler + Cat. No. MGIP6CS cover strap x 4

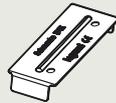


Change face

Coupler



2 x reducers

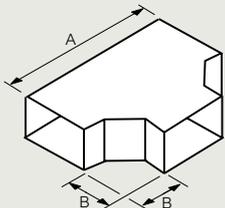


4 x cover straps

Overall length (mm)	
Trunking size (mm)	B (mm)
50 x 50	340
75 x 75	365
100 x 100	390
150 x 150	440
225 x 225	475
300 x 300	550

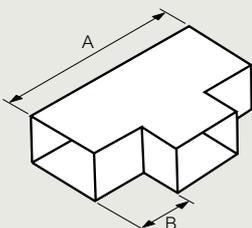
Tees

AGT top lid tee – gusset



Width	A	B
50	157	53
75	182	53
100	207	53
150	257	53
225	332	53
300	407	53

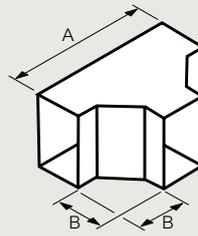
AST inside lid tee – square



Width	A	B
50	157	53
75	182	53
100	207	53
150	257	53
225	332	53
300	407	53

Tees (continued)

BGT inside lid tee – gusset



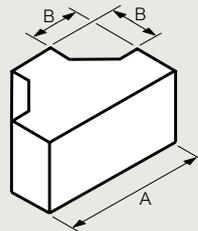
Up to 150 wide

Depth	A	B
50	157	53
75	182	53
100	207	53
150	257	53

225 and 300 wide

Depth	A	B
50	157	53
75	182	53
100	207	53
150	257	53
225	332	53
300	407	53

CGT outside lid tee – gusset



Up to 150 wide

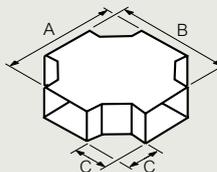
Depth	A	B
50	157	53
75	182	53
100	207	53
150	257	53

225 and 300 wide

Depth	A	B
50	157	53
75	182	53
100	207	53
150	257	53
225	332	53
300	407	53

Crossovers

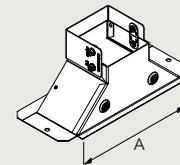
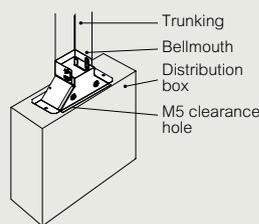
AGX crossover



Width	A	B	C
50	157	157	53
75	182	182	53
100	207	207	53
150	257	257	53
225	332	332	53
300	407	407	53

Dimensions are identical for single and multi-compartment

Bellmouths



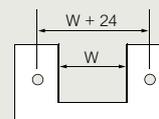
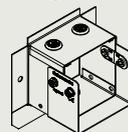
Width	A
50	165
75	190
100	215
150	265
225	340
300	415

Width refers to trunking sizes

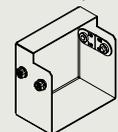
Dimensions are identical for single and multi-compartment

End caps and flanges

Flange



End cap

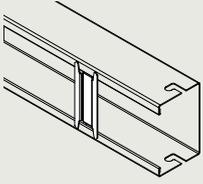


All dimensions (mm) are nominal

Salamandre® distribution trunking

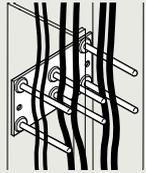
accessories – dimensions and technical information

■ Cable retainers



Used to hold cables in position when trunking is mounted with lid in vertical position, or on the underside of the run
Cable retainers are usually fitted at about one metre centres although this will depend upon the type of cable being installed

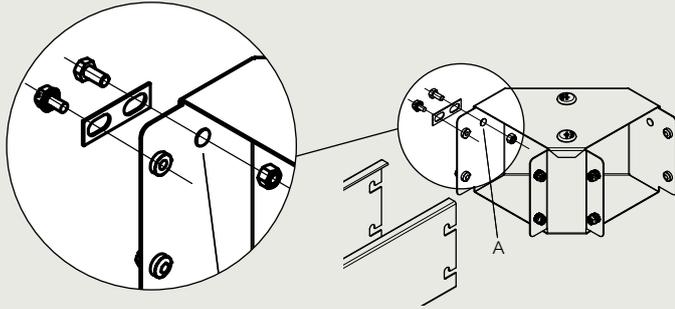
■ Pin racks



Pin rack

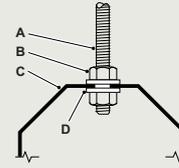
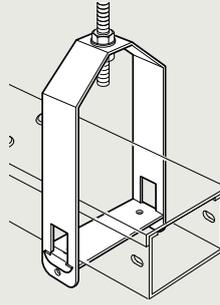
Available for trunking up to 150 mm wide
Supplied in packs of 10
Cables are laid into trunking systems and are pulled through duct systems. In both cases there is usually no need for any type of cleat or clamp unless there are vertical runs
Where vertical runs are required, wiring regulations give the necessary guidance on spacing of cable supports, known as 'pin racks'. Ordered according to the size of the trunking for single compartment trunking, or the size of each compartment for multi-compartment trunking

■ Earth link



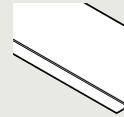
All fittings have 7 mm knockouts (A) for fixing an earth link
An M5 screw and nut are needed for fixing the earth link

■ Stirrup hangers



- A M10 threaded rod
- B M10 nut
- C Hanger
- D Form A flat washers

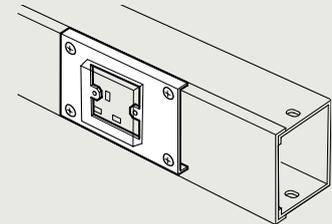
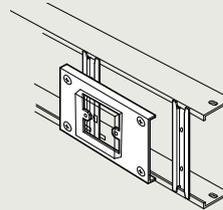
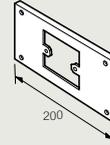
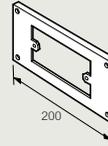
■ Loose separators



Fastenings not supplied
Pop rivet or spot weld on site to suit

■ Socket plates

Socket plate fixing for screwfix and tamperproof trunking is fixed by retaining clips and screws (see p. 16)



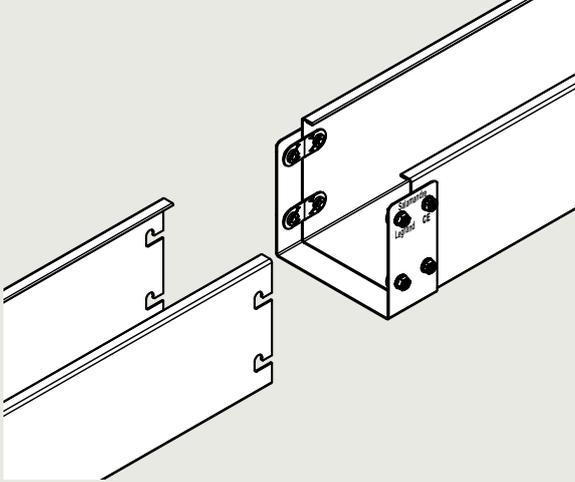
Not applicable on IP4X installations

Salamandre® distribution trunking

installation notes

■ Earth bonding

Cable trunking and ducting systems are designed to carry single insulated cables, and such systems must therefore provide the secondary protection required by the Wiring Regulations. This means trunking and ducting systems must be earth bonded together, and then connected to a suitable earth point. Salamandre trunking is designed to provide such earth bonding, provided that the system is fully assembled with all manufacturer's original components, including fixings, and that all fixings are fully tightened. This is achieved by a combination of serrations under the head of the fixing screws and the internal barbs on the fixing bars



■ Electromagnetic Compatibility (EMC)

Cable trunking and ducting systems are considered passive under normal conditions in respect of electromagnetic influences. The installation of current carrying cables may cause emissions and these cables may also be influenced by electromagnetic signals from elsewhere, but the degree of influence will depend on the nature of the installation and the apparatus connected to the system. Specific information relating to the details of cable separation required according to the type of signal, and further information on the subject of EMC, is provided in the relevant Standards and Regulations. However as a basic principle, if power and signal cables are run in separate compartments of a metal trunking system, then the metal segregation will significantly reduce the possibility of one circuit having undesirable effect influence upon another

■ Supporting cable trunking systems

The coupler between all types of cable trunking lengths is to provide electrical and mechanical connection between the lengths; it does not provide a load bearing connection between lengths. Consequently each length must be fully supported so that there is no significant bending force applied to the coupler

Each individual length of trunking is strong enough to carry the maximum number of cables that can be physically fitted into the trunking whilst still being able to correctly fit the cover without applying force. All supports must therefore be designed to carry each length individually without relying on the coupler

■ IP4X vs IPXXD

The index of protection is defined in BS EN 60529 – Degree of protection of enclosures of electrical equipment

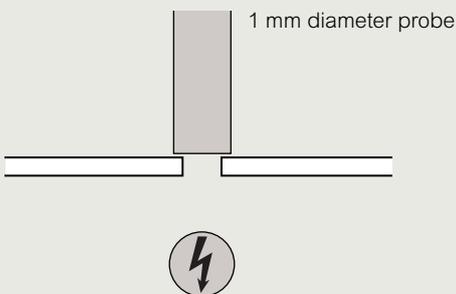
IP4X

Protected against solid bodies greater than 1mm in diameter. The test uses a 1mm diameter, 100mm long test probe / wire. The probe is applied with a force of $1N \pm 10\%$ and is not allowed to enter the enclosure being tested

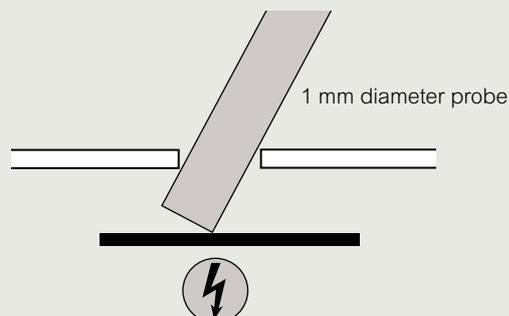
IPXXD

Solid bodies no greater than 1mm in diameter may enter the top of the enclosure but will remain clear of hazardous parts. The test uses a 1mm diameter, 100mm long test probe / wire. The top of the enclosure may allow entry of the 100mm long test wire, however the wire is not allowed to touch any hazardous parts within the enclosure

IP4X



IPXXD



Salamandre® distribution trunking

multi-compartment crossovers and compartment tees

■ Multi-compartment crossovers

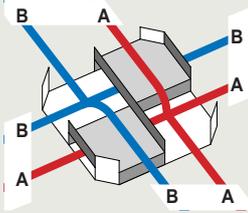
Approximately 50% of cable capacity is lost when using multi-compartment fittings

Where tees or fourway / crosses are used on a multi-compartment system, 'crossover bridges' must be used

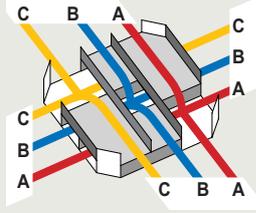
Crossover bridges are supplied as a removeable item, allowing the cables for compartment A to be laid into the trunking. Once these are in position, the crossover bridge can be fitted, and the cables for compartment B laid into position. This obviates the need for threading any cables through the crossover bridge

Examples :

2 compartment crossover



3 compartment crossover

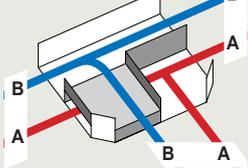


■ Compartment tees

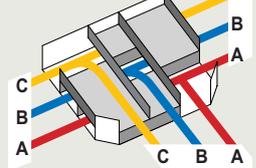
Approximately 50% of cable capacity is lost when using multi-compartment tees

Examples :

2 compartment



3 compartment



Salamandre® lighting trunking

technical information

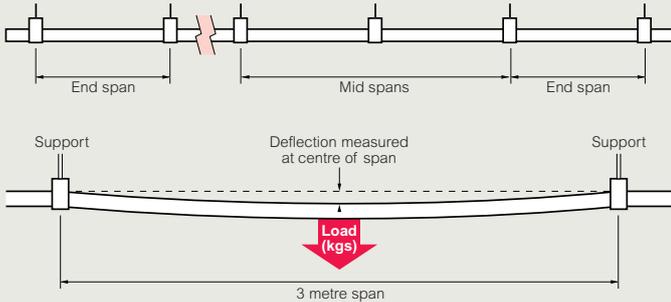
■ Lighting trunking deflection test

The trunking used in the test was Cat. No. LT2512 (50 x 50 mm, 5 metre lengths and 1.0mm thick) joined by long couplers Cat. No. LT2C. Lids were not fitted

Note : if tested with lids fitted, deflection measurements would be slightly reduced

The data shown below was gathered in tests by Legrand, and is given in good faith. It does not, however, constitute a warranty nor imply any guarantee. The loads were applied as point loads through suspension units Cat. No. LT2FS

An end span will give a deflection of about 1.8x the deflection of the continuous span. This can be eliminated by supporting the trunking run close to the end of the run

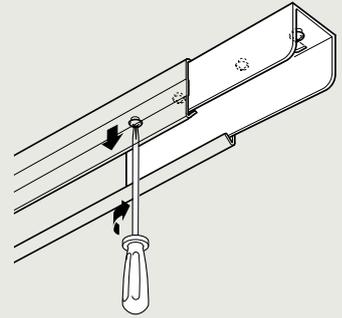


Load (kgs)	Deflection (mm)	
	Mid span 3 m	End span 3 m
6	2.1	3.9
9	2.5	4.6
12	3.6	6.6
15	4.5	8.1

■ Lighting trunking assembly

Coupler

Slide coupler half way into end of trunking. The friction fit tabs hold coupler in place while the first two screws are tightened. Slide next length of trunking onto assembly and tighten remaining screws.



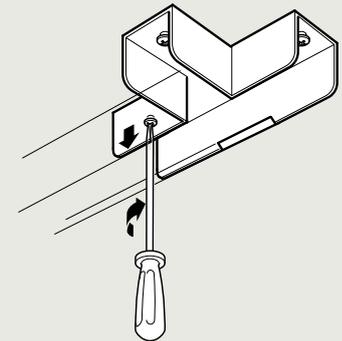
Earth continuity

Trunking body to body earth continuity is provided by the bite fit between the coupler and the return flanges on the trunking body

Top lid tee

To secure, tighten the M5 screws which press the tee against the top flange of the trunking body

The same applies for inside and outside lid tees

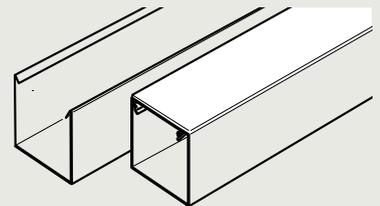


Earth continuity

Tee to trunking body earth continuity is provided by the bite fit between the tee and the return flanges on the trunking body

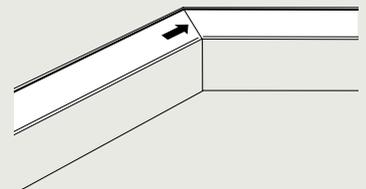
Trunking lids

Lids simply clip into the trunking. They can be cut to any angle to suit fitting



Fixing lids at a top lid 45° bend junction

Cut both lids at 22.5°, then fit into the trunking and slide into position



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