

# How valuable is your time?



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SWIFTS® CABLE LADDER  
/ PRODUCT GUIDE



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# Global vision... 21st Century solutions

## Why choose Legrand?

In a word, confidence. Legrand is a world leader in its field, with offices and subsidiaries in more than 60 countries and sales in close to 180 countries. Globally, Legrand holds 19% of the wiring devices market and 15% of the cable management market.

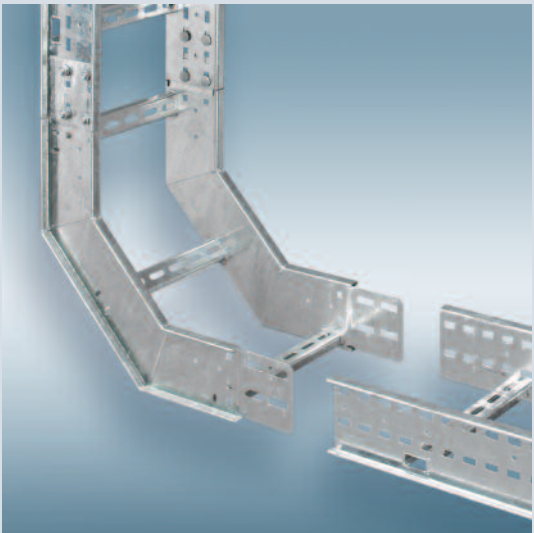
## Innovation for progress

Legrand invests heavily in research and development. It has around 1,800 people throughout the world inventing, designing, testing and validating new ideas.

By actively focusing on new product development, Legrand is able to launch new ranges that are packed with innovative features to facilitate installation for the contractor and simplify usage for the end user.

## Sustainable development

Legrand relies heavily on its core values and on the expertise of its teams to ensure profitable, long-lasting and responsible growth... combining long-term performance with environmental conservation and the valuing of human resources.



Swifts... the UK's leading cable ladder system

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Offices



Hotels



Retail



Residential



Industrial

Using global strength and local knowledge to provide solutions to today's needs



# Swifts. Swifter.

When it comes to cable management, Legrand leads the way both in the UK and globally. The key to this success is design innovation, as demonstrated by the new time-saving features on our Swifts cable ladder range that put us yet another rung ahead of the rest!

## Design innovation

The inclusion of integral couplers on all ladder fittings reduces the number of required fixings by half and dramatically cuts installation time and cost. Supplied as standard on all Topaz, Sapphire and Emerald fittings, this new coupling technique benefits every installation type, from general purpose right through to extra heavy duty.

- > Three ranges (general purpose, heavy and extra heavy duty)
- > Dome-head bolts to prevent damage to cables
- > Widest range of support systems available in the UK
- > Alternative rung types
- > Four finishes to suit different environments

Over 50% quicker to install  
when connecting fittings  
to lengths





# Same great ladder... fewer steps

Swifts cable ladder has always presented specifiers and contractors with the type of comprehensive system they demanded, enabling the coupling of lengths and fittings without the need for drilling... and now, the UK's leading cable ladder range just got even better.

## > Integral couplers

The integration of couplers on all fittings means that separate coupler sets become a thing of the past when joining fittings and straight lengths.

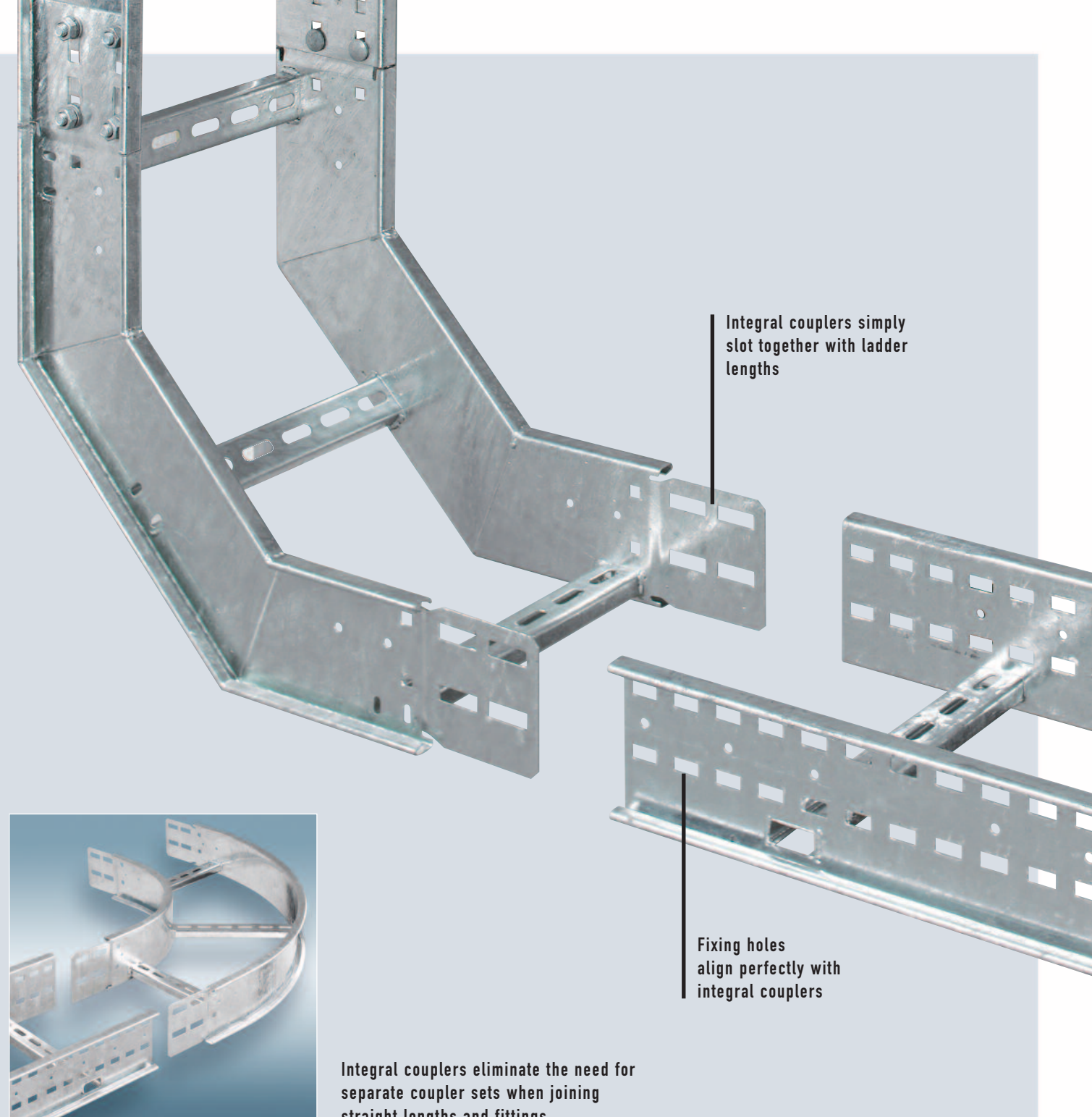
## > Half the fixings

As the couplers already form part of the fittings, they simply slot into place and need only be secured on the straight length... cutting the required number of fasteners by half.

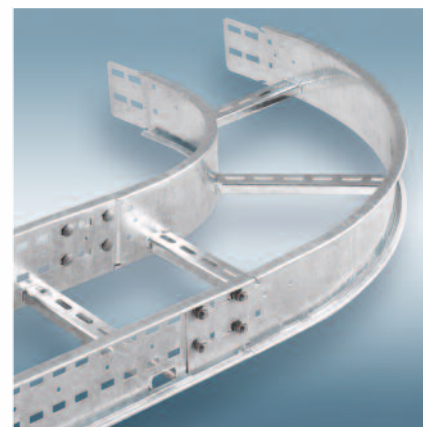
## > Save time, save money

What does all this mean to you? Fewer components to be ordered, less time to align couplers and less time to secure fasteners.

Swifts... now even fewer steps to get to the top of the ladder

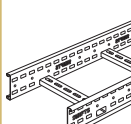
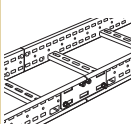
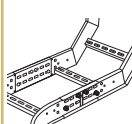

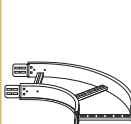
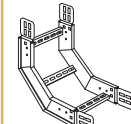
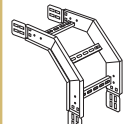
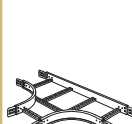
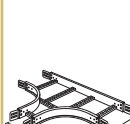


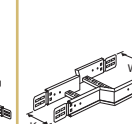
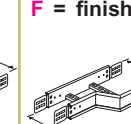
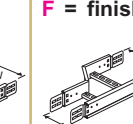


Integral couplers eliminate the need for separate coupler sets when joining straight lengths and fittings



The number of required fasteners has been halved. See p. 17 for our convenient fastener sets

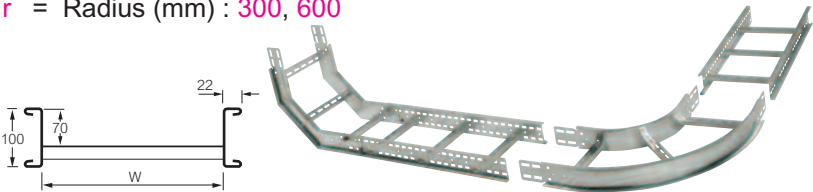
Swifts® cable ladder systems straight lengths and fittings  
general purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald)

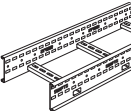
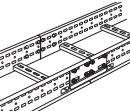
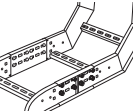

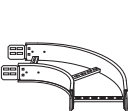
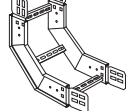
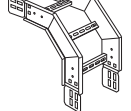
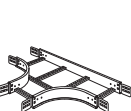
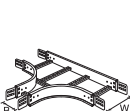

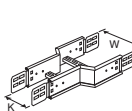
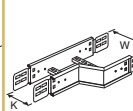
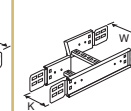
GENERAL PURPOSE (TOPAZ)															
GENERAL PURPOSE (TOPAZ)	LADDER		COUPLERS			FITTINGS <sup>(1)</sup>					FITTINGS				
	Widths (mm)	Straight lengths (3 m) F = finish	Coupler sets F = finish	Fitting to fitting coupler sets F = finish	Fitting to straight length fastener sets <sup>(1)</sup> F = finish	Flat bends A = angle r = radius F = finish	Inside risers A = angle r = radius F = finish	Outside risers A = angle r = radius F = finish	Equal tees r = radius F = finish	Unequal tees B = branch r = radius F = finish		4 way crosspieces r = radius F = finish	Straight reducers K = reduced width F = finish	Offset reducers (left hand) K = reduced width F = finish	Offset reducers (right hand) K = reduced width F = finish
															
	150	ZL 150 F	ZC F	ZFC F	LF F M10P50	ZFB 150 A r F	ZIR 150 A r F	ZOR 150 A r F	ZT 150 r R F	ZUT 150 B r R F		ZX 150 r R F	–	–	–
	300	ZL 300 F	ZC F	ZFC F	LF F M10P50	ZFB 300 A r F	ZIR 300 A r F	ZOR 300 A r F	ZT 300 r R F	ZUT 300 B r R F		ZX 300 r R F	ZSR 300 K F	ZLR 300 K F	ZRR 300 K F
600	ZL 600 F	ZC F	ZFC F	LF F M10P50	ZFB 600 A r F	ZIR 600 A r F	ZOR 600 A r F	ZT 600 r R F	ZUT 600 B r R F		ZX 600 r R F	ZSR 600 K F	ZLR 600 K F	ZRR 600 K F	

Key : selecting general purpose (Topaz) fittings

Replace the letters shown in red with your choice from the following options :

- A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 600  
F = Finish : G (hot dip galvanised after manufacture)  
D = (deep galvanised), S (stainless steel)  
K = Narrowed width when using a reducer (mm) : 150, 300  
r = Radius (mm) : 300, 600

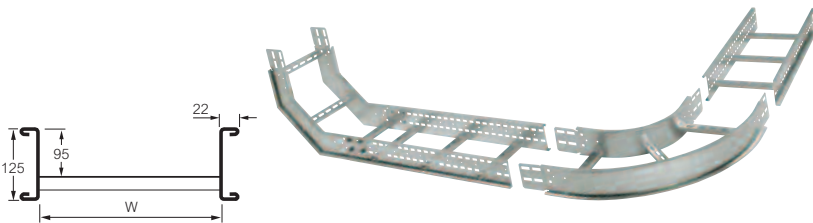


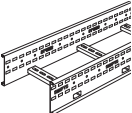
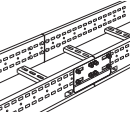
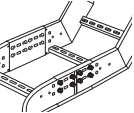
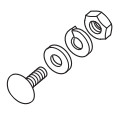
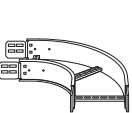
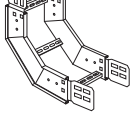
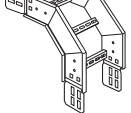
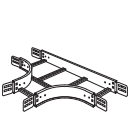
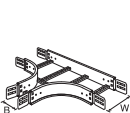

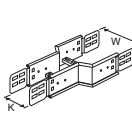
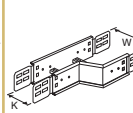
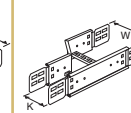
HEAVY DUTY (SAPPHIRE)															
HEAVY DUTY (SAPPHIRE)	LADDER		COUPLERS			FITTINGS <sup>(1)</sup>						FITTINGS			
	Widths (mm)	Straight lengths (3 m) <sup>(2)</sup> F = finish	Coupler sets F = finish	Fitting to fitting coupler sets F = finish	Fitting to straight length fastener sets <sup>(1)</sup> F = finish	Flat bends A = angle r = radius F = finish	Inside risers A = angle r = radius F = finish	Outside risers A = angle r = radius F = finish	Equal tees r = radius F = finish	Unequal tees B = branch r = radius F = finish		4 way crosspieces r = radius F = finish	Straight reducers K = reduced width F = finish	Offset reducers (left hand) K = reduced width F = finish	Offset reducers (right hand) K = reduced width F = finish
															
	150	PL 150 F	PC F	PFC F	LF F M10P50	PFB 150 A r F	PIR 150 A r F	POR 150 A r F	PT 150 r R F	PUT 150 B r R F		PX 150 r R F	–	–	–
	300	PL 300 F	PC F	PFC F	LF F M10P50	PFB 300 A r F	PIR 300 A r F	POR 300 A r F	PT 300 r R F	PUT 300 B r R F		PX 300 r R F	PSR 300 K F	PLR 300 K F	PRR 300 K F
	450	PL 450 F	PC F	PFC F	LF F M10P50	PFB 450 A r F	PIR 450 A r F	POR 450 A r F	PT 450 r R F	PUT 450 B r R F		PX 450 r R F	PSR 450 K F	PLR 450 K F	PRR 450 K F
	600	PL 600 F	PC F	PFC F	LF F M10P50	PFB 600 A r F	PIR 600 A r F	POR 600 A r F	PT 600 r R F	PUT 600 B r R F		PX 600 r R F	PSR 600 K F	PLR 600 K F	PRR 600 K F
	750	PL 750 F	PC F	PFC F	LF F M10P50	PFB 750 A r F	PIR 750 A r F	POR 750 A r F	PT 750 r R F	PUT 750 B r R F		PX 750 r R F	PSR 750 K F	PLR 750 K F	PRR 750 K F
900	PL 900 F	PC F	PFC F	LF F M10P50	PFB 900 A r F	PIR 900 A r F	POR 900 A r F	PT 900 r R F	PUT 900 B r R F		PX 900 r R F	PSR 900 K F	PLR 900 K F	PRR 900 K F	

Key : selecting heavy duty (Sapphire) fittings

Replace the letters shown in red with your choice from the following options :

- A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 450, 600, 750, 900  
F = Finish : G (hot dip galvanised after manufacture),  
D (deep galvanised), S (stainless steel),  
E (powder coated)  
K = Narrowed width when using a reducer (mm) :  
150, 300, 450, 600, 750  
r = Radius (mm) : 300, 600

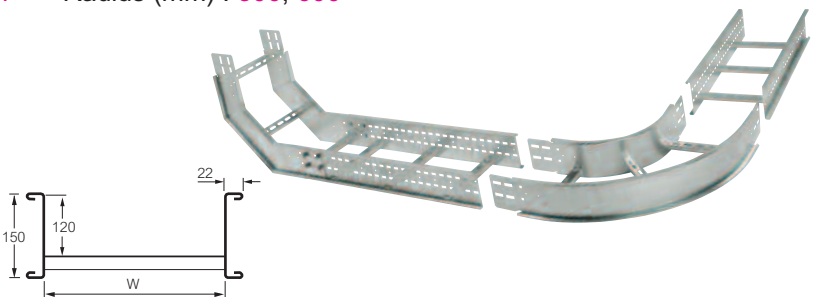


EXTRA HEAVY DUTY (EMERALD)															
EXTRA HEAVY DUTY (EMERALD)	LADDER		COUPLERS			FITTINGS <sup>(1)</sup>					FITTINGS				
	Widths (mm)	Straight lengths (3 m) <sup>(2)</sup> F = finish	Coupler sets F = finish	Fitting to fitting coupler sets F = finish	Fitting to straight length fastener sets <sup>(1)</sup> F = finish	Flat bends A = angle r = radius F = finish	Inside risers A = angle r = radius F = finish	Outside risers A = angle r = radius F = finish	Equal tees r = radius F = finish	Unequal tees B = branch r = radius F = finish		4 way crosspieces r = radius F = finish	Straight reducers K = reduced width F = finish	Offset reducers (left hand) K = reduced width F = finish	Offset reducers (right hand) K = reduced width F = finish
															
	150	EL 150 F	EC F	EFC F	LF F M10P50	EFB 150 A r F	EIR 150 A r F	EOR 150 A r F	ET 150 r R F	EUT 150 B r R F		EX 150 r R F	—	—	—
	300	EL 300 F	EC F	EFC F	LF F M10P50	EFB 300 A r F	EIR 300 A r F	EOR 300 A r F	ET 300 r R F	EUT 300 B r R F		EX 300 r R F	ESR 300 K F	ELR 300 K F	ERR 300 K F
	450	EL 450 F	EC F	EFC F	LF F M10P50	EFB 450 A r F	EIR 450 A r F	EOR 450 A r F	ET 450 r R F	EUT 450 B r R F		EX 450 r R F	ESR 450 K F	ELR 450 K F	ERR 450 K F
	600	EL 600 F	EC F	EFC F	LF F M10P50	EFB 600 A r F	EIR 600 A r F	EOR 600 A r F	ET 600 r R F	EUT 600 B r R F		EX 600 r R F	ESR 600 K F	ELR 600 K F	ERR 600 K F
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900	EL 900 F	EC F	EFC F	LF F M10P50	EFB 900 A r F	EIR 900 A r F	EOR 900 A r F	ET 900 r R F	EUT 900 B r R F		EX 900 r R F	ESR 900 K F	ELR 900 K F	ERR 900 K F	

Key : selecting extra heavy duty (Emerald) fittings

Replace the letters shown in red with your choice from the following options :

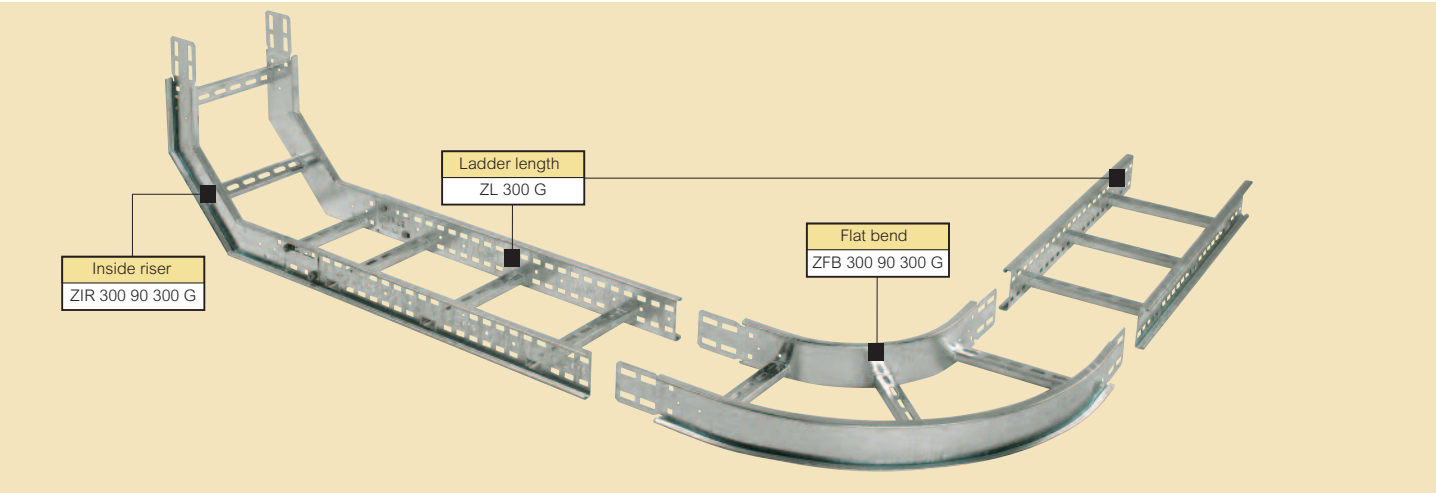
- A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 450, 600, 750, 900  
F = Finish : G (hot dip galvanised after manufacture),  
D (deep galvanised), S (stainless steel)  
K = Narrowed width when using a reducer (mm) :  
150, 300, 450, 600, 750  
r = Radius (mm) : 300, 600



(1) When connecting fittings to straight lengths, use fastener sets LFGM10P50, LFSM10P50, see p. 17  
(2) 6 m lengths available on special request



Swifts® cable ladder systems  
general purpose (Topaz)



⊕ Dimensions and technical information (p. 18–22)  
Selection chart (p. 8–9)

When connecting fittings to straight lengths, use fastener sets (see below)  
Rung spacing : 300 mm between centres  
Standard radius for fittings : 300 and 600 mm

Pack	Cat. Nos.	Straight lengths – 3 m
1 1 1	ZL 150 F ZL 300 F ZL 600 F	150 mm width 300 mm width 600 mm width
1	ZC F	<b>Coupler sets</b> <b>Straight length to straight length</b> Supplied in pairs, with fasteners (4 per coupler) Use to couple straight lengths to straight lengths
1	ZFC F	<b>Fitting to fitting</b> Supplied in pairs, with fasteners (4 per coupler) Use to couple fitting to fitting
48 48	LFGM10P50 LFSM10P50	<b>Fastener sets</b> Comprise M10 coach bolt, flat washer, spring washer and nut Hot dip galvanised Stainless steel
1	ZFB WArF	<b>Fittings</b> <b>Flat bends</b> 90° Flat bend 45° Flat bend
1	ZIR WArF	<b>Inside risers</b> 90° Inside riser 45° Inside riser
1	ZOR WArF	<b>Outside risers</b> 90° Outside riser 45° Outside riser

Pack	Cat. Nos.	Fittings (continued)
1	ZT W r F	<b>Tees and crosspieces</b> All equal and unequal tees and crosspieces include R after radius to indicate radius and not width. Larger width/radius combinations are supplied in two identical halves with fastenings
1	ZUT W B r F	<b>Equal tees</b> <b>Unequal tees</b> Example : The ordering code for a hot dip galvanised unequal tee with a 300 main run (W) and a 150 branch (B) with a 600R radius : ZUT 300 150 600R G
1	ZX W r F	<b>4 way crosspieces</b>
1	ZSR W K F	<b>Straight reducers</b>
1	ZLR W K F	<b>Offset reducers – left hand</b>
1	ZRR W K F	<b>Offset reducers – right hand</b>

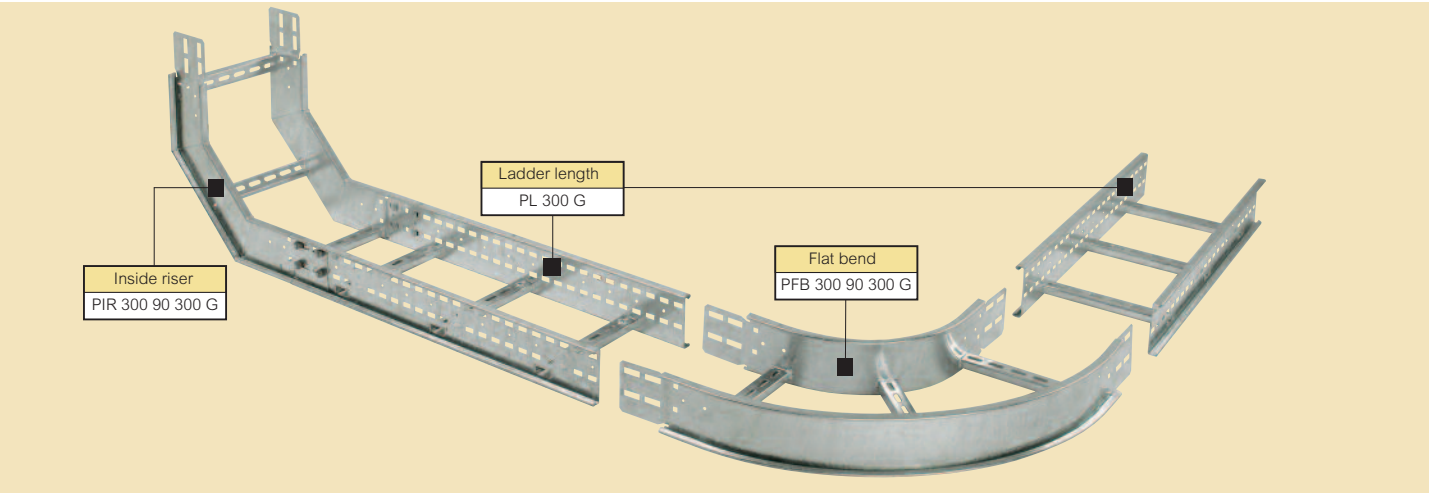
Key : selecting general purpose (Topaz) fittings. Replace the letters shown in red with your choice from the following options :  
W = Widths (mm) : 150, 300, 600  
A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 600  
F = Finish : G (hot dip galvanised after manufacture), D (deep galvanised) S (stainless steel)  
K = Narrowed width when using a reducer (mm) : 150, 300  
r = Radius (mm) : 300, 600



450, 750, 900 mm widths and 450, 750 and 900 mm radii available to special order. 30° and 60° bends and risers available to special order. Other rung configurations available

Contact us on 0845 605 4333

Swifts® cable ladder systems  
heavy duty (Sapphire)



⊕ Dimensions and technical information (p. 18–22)  
Selection chart (p. 8–9)

When connecting fittings to straight lengths, use fastener sets (see below)  
Rung spacing : 300 mm between centres  
Standard radius for fittings : 300 and 600 mm

Pack	Cat. Nos.	Straight lengths – 3 m
1 1 1 1 1 1	PL 150 F PL 300 F PL 450 F PL 600 F PL 750 F PL 900 F	150 mm width 300 mm width 450 mm width 600 mm width 750 mm width 900 mm width 6 m lengths available on special request
1	PC F	<b>Coupler sets</b> <b>Straight length to straight length</b> Supplied in pairs, with fasteners (8 per coupler) Use to couple straight lengths to straight lengths
1	PFC F	<b>Fitting to fitting</b> Supplied in pairs, with fasteners (8 per coupler) Use to couple fitting to fitting
48 48	LFGM10P50 LFSM10P50	<b>Fastener sets</b> Comprise M10 coach bolt, flat washer, spring washer and nut Hot dip galvanised Stainless steel
1	PFB WArF	<b>Fittings</b> <b>Flat bends</b> 90° Flat bend 45° Flat bend
1	PIR WArF	<b>Inside risers</b> 90° Inside riser 45° Inside riser
1	POR WArF	<b>Outside risers</b> 90° Outside riser 45° Outside riser

Pack	Cat. Nos.	Fittings (continued)
1	PT W r F	<b>Tees and crosspieces</b> All equal and unequal tees and crosspieces include R after radius to indicate radius and not width. Larger width/radius combinations are supplied in two identical halves with fastenings
1	PUT W B r F	<b>Equal tees</b> <b>Unequal tees</b> Example : The ordering code for a hot dip galvanised unequal tee with a 300 main run (W) and a 150 branch (B) with a 600R radius : PUT 300 150 600R G
1	PX W r F	<b>4 way crosspieces</b>
1	PSR W K F	<b>Straight reducers</b>
1	PLR W K F	<b>Offset reducers – left hand</b>
1	PRR W K F	<b>Offset reducers – right hand</b>

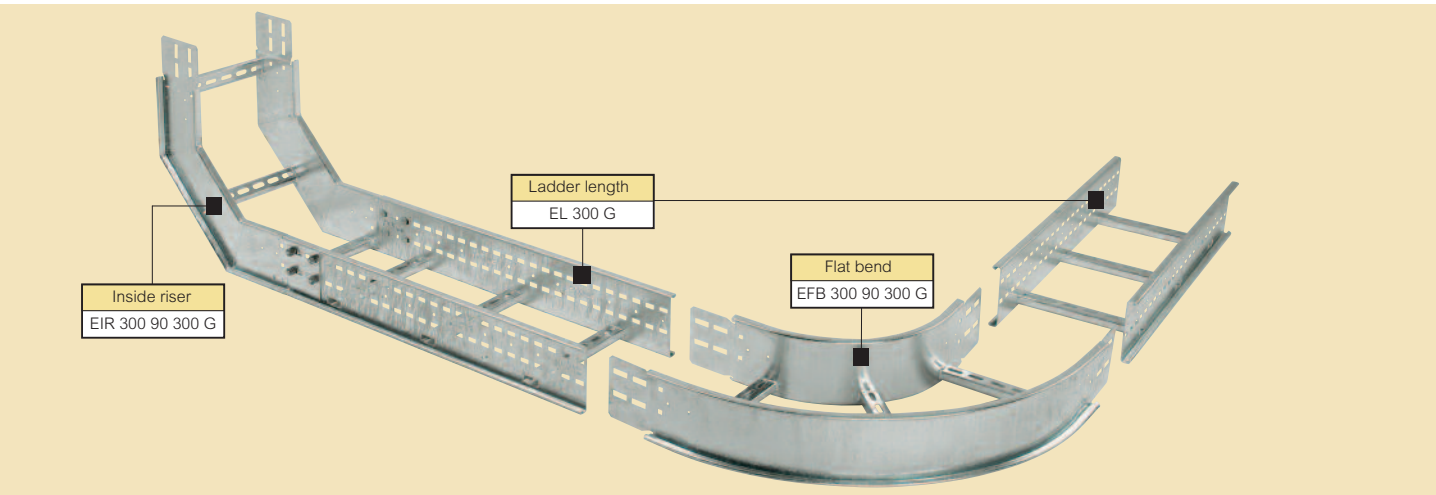
Key : selecting heavy duty (Sapphire) fittings. Replace the letters shown in red with your choice from the following options :  
W = Widths : 150, 300, 450, 600, 750, 900  
A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 450, 600, 750, 900  
F = Finish : G (hot dip galvanised after manufacture), D (deep galvanised) S (stainless steel), E (powder coated)  
K = Narrowed width when using a reducer (mm) : 150, 300, 450, 600, 750  
r = Radius (mm) : 300, 600



450, 750 and 900 mm radii available to special order. 30° and 60° bends and risers available to special order. Other rung configurations available

Contact us on 0845 605 4333

Swifts® cable ladder systems  
extra heavy duty (Emerald)



Dimensions and technical information (p. 18–22)  
Selection chart (p. 8–9)

When connecting fittings to straight lengths, use fastener sets (see below)  
Rung spacing : 300 mm between centres  
Standard radius for fittings : 300 and 600 mm

Pack	Cat. Nos.	Straight lengths – 3 m
1	EL 150 F	150 mm width
1	EL 300 F	300 mm width
1	EL 450 F	450 mm width
1	EL 600 F	600 mm width
1	EL 750 F	750 mm width
1	EL 900 F	900 mm width

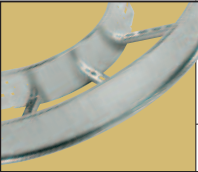
Pack	Cat. Nos.	Coupler sets
1	EC F	<b>Straight length to straight length</b> Supplied in pairs, with fasteners (8 per coupler) Use to couple straight lengths to straight lengths
1	EFC F	<b>Fitting to fitting</b> Supplied in pairs, with fasteners (8 per coupler) Use to couple fitting to fitting

Pack	Cat. Nos.	Fastener sets
48	LFGM10P50	Comprise M10 coach bolt, flat washer, spring washer and nut
48	LFSM10P50	Hot dip galvanised Stainless steel

Pack	Cat. Nos.	Fittings
1	EFB WArF	<b>Flat bends</b> 90° Flat bend 45° Flat bend
1	EIR WArF	<b>Inside risers</b> 90° Inside riser 45° Inside riser
1	EOR WArF	<b>Outside risers</b> 90° Outside riser 45° Outside riser

Pack	Cat. Nos.	Fittings (continued)
1	ET W r F	<b>Tees and crosspieces</b> All equal and unequal tees and crosspieces include R after radius to indicate radius and not width. Larger width/radius combinations are supplied in two identical halves with fastenings
1	EUT W B r F	<b>Equal tees</b> <b>Unequal tees</b> Example : The ordering code for a hot dip galvanised unequal tee with a 300 main run (W) and a 150 branch (B) with a 600R radius : EUT 300 150 600R G
1	EX W r F	<b>4 way crosspieces</b>
1	ESR W K F	<b>Straight reducers</b>
1	ELR W K F	<b>Offset reducers – left hand</b>
1	ERR W K F	<b>Offset reducers – right hand</b>

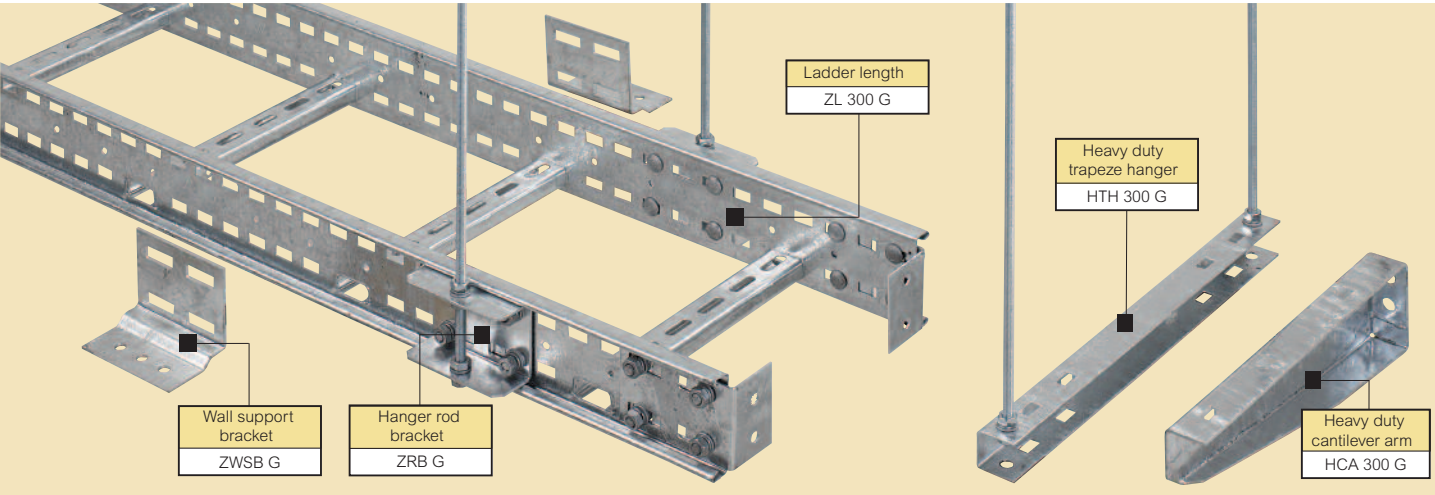
Key : selecting extra heavy duty (Emerald) fittings. Replace the letters shown in red with your choice from the following options :  
W = Widths (mm) : 150, 300, 450, 600, 750, 900  
A = Angle (°) : 90 or 45  
B = Branch width (mm) : 150, 300, 450, 600, 750, 900  
F = Finish : G (hot dip galvanised after manufacture), D (deep galvanised) S (stainless steel)  
K = Narrowed width when using a reducer (mm) : 150, 300, 450, 600, 750 r = Radius (mm) : 300, 600



450, 750 and 900 mm radii available to special order. 30° and 60° bends and risers available to special order. Other rung configurations available

Contact us on 0845 605 4333

Swifts® cable ladder systems  
supports



Dimensions and technical information (p. 23)

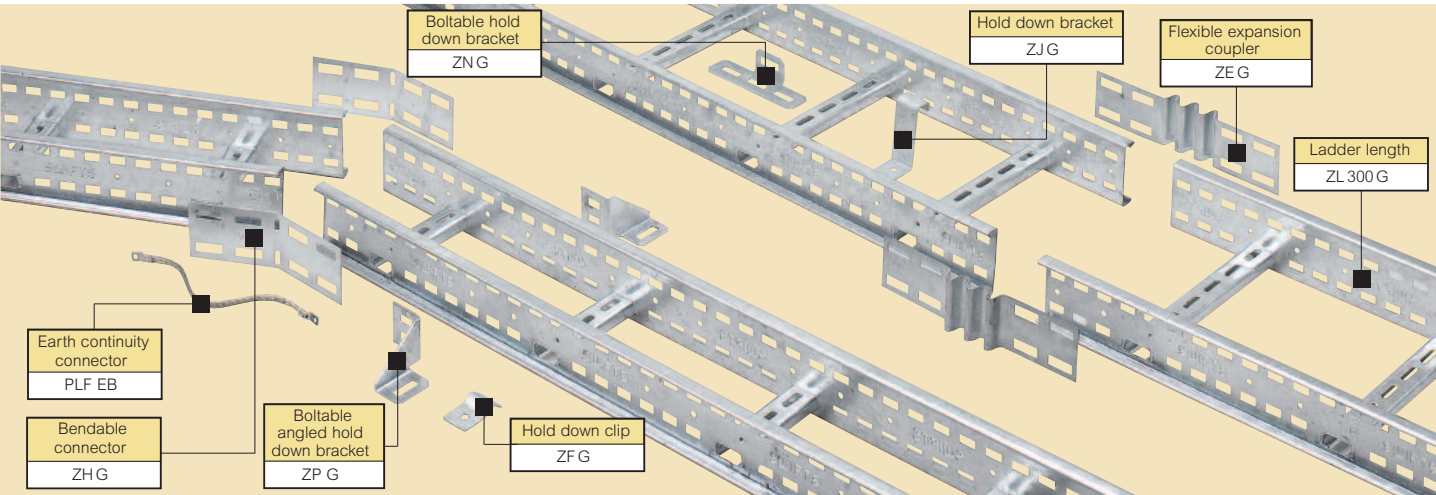
Pack	Cat. Nos.	Supports
1	HCA W F	For use with general purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald) ladder <b>Heavy duty cantilever arms</b> Supplied singly without fasteners Use to fit horizontal runs of ladder to flat surfaces and Swiftrack channel All arms have slots in top flanges to accept ladder hold down brackets
1	HTH W F	<b>Heavy duty trapeze hangers</b> Supplied singly without fasteners Support horizontal runs of ladder from overhead structure Use M12 threaded rods
1	ZRB F PRB F ERB F	<b>Hanger rod brackets</b> When hanger rod brackets are fitted to ladder, covers can not be used Supplied in pairs with bracket to ladder fasteners Support horizontal runs of ladder from overhead structure Use M10 threaded rods, (see p. 17) General purpose (Topaz) Heavy duty (Sapphire) Extra heavy duty (Emerald)

Pack	Cat. Nos.	Supports (continued)
1	ZWSB F PWSB F EWSB F	<b>Wall support brackets</b> Supplied in pairs with bracket to ladder fasteners Fit horizontal or vertical runs of ladder to vertical surfaces and Swiftrack channel General purpose (Topaz) Heavy duty (Sapphire) Extra heavy duty (Emerald)
1	ZB F PB F EB F	<b>90° end connectors</b> Supplied in pairs with bracket to ladder fastener Fits ends of ladder to vertical surfaces General purpose (Topaz) Heavy duty (Sapphire) Extra heavy duty (Emerald)

Key : selecting general purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald) supports. Replace the letters shown in red with your choice from the following options :  
W = Widths : 150, 300, 450, 600, 750, 900  
F = Finish : G (hot dip galvanised after manufacture), D (deep galvanised) S (stainless steel), E (powder coated)



Swifts® cable ladder systems  
ancillary items

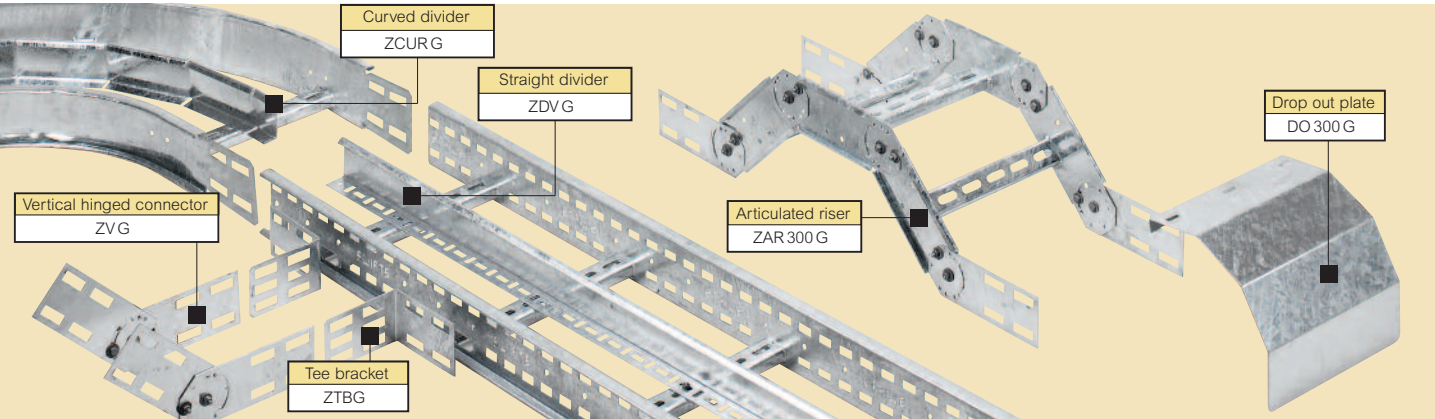


Dimensions and technical information (p. 24–25)

Pack	Cat. Nos.	Ancillary items
		<b>Bendable connectors</b> Supplied in pairs with fasteners For fabricating accessories on site to make up bends, reducers and compensate for misalignment of straight lengths
1	ZH F	General purpose (Topaz)
1	PH F	Heavy duty (Sapphire)
1	EH F	Extra heavy duty (Emerald)
		<b>Flexible expansion couplers</b> Supplied in pairs with fasteners Provide a semi-flexible joint to compensate for relative movement when spanning separate structures or changes in ladder lengths due to temperature variation
1	ZE F	General purpose (Topaz)
1	PE F	Heavy duty (Sapphire)
1	EE F	Extra heavy duty (Emerald)
		<b>Earth continuity connectors</b> General purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald) M6 brass fasteners included in pack Copper braid and copper lugs both in electroplated finish Conductor area : 16 mm²
10	PLFEB	

Pack	Cat. Nos.	Ancillary items (continued)
		<b>Hold down clip</b> Supplied singly without fasteners Fits ladder to flat surfaces, Swifttrack channel or heavy duty trapeze hangers which have slots in the top flange to accept fasteners
1	ZF F	General purpose (Topaz)
1	PF F	Heavy duty (Sapphire)
1	EF F	Extra heavy duty (Emerald)
		<b>Hold down bracket</b> Supplied singly without fasteners Fits ladder to flat surfaces, Swifttrack channel, cantilever arms or heavy duty trapeze hangers which have slots in the top flange to accept fasteners
1	ZJ F	General purpose (Topaz)
1	PJ F	Heavy duty (Sapphire)
1	EJ F	Extra heavy duty (Emerald)
		<b>Boltable hold down bracket</b> Supplied singly with bracket to ladder fastener Fits ladder to Swifttrack channel in fabricated steel support structure
1	ZN F	General purpose (Topaz)
1	PN F	Heavy duty (Sapphire)
1	EN F	Extra heavy duty (Emerald)
		<b>Boltable angled hold down brackets</b> Supplied in handed pairs with bracket to ladder fastener Fits ladder to heavy duty cantilever arms and trapeze hangers which have slots in the side flange to accept fasteners
1	ZP F	General purpose (Topaz)
1	PP F	Heavy duty (Sapphire)
1	EP F	Extra heavy duty (Emerald)

Swifts® cable ladder systems  
ancillary items (continued)



Dimensions and technical information (p. 25–26)

Pack	Cat. Nos.	Ancillary items (continued)
		<b>Straight dividers – 3-0 m</b> Supplied with fasteners
1	ZDV F	General purpose (Topaz)
1	PDV F	Heavy duty (Sapphire)
1	EDV F	Extra heavy duty (Emerald)
		<b>Curved dividers – 1-0 m</b> Supplied with fasteners Drill on site to suit rung position
1	ZCUR F	General purpose (Topaz)
1	PCUR F	Heavy duty (Sapphire)
1	ECUR F	Extra heavy duty (Emerald)
		<b>Vertical hinged connectors</b> Supplied in sets comprising four plates and fasteners Use with straight lengths to form risers or solve minor misalignment problems on site When used with tee bracket, vertical hinged connectors can offset tee branch
1	ZV F	General purpose (Topaz)
1	PV F	Heavy duty (Sapphire)
1	EV F	Extra heavy duty (Emerald)
		<b>Articulated risers</b> Set comprises three ladder sections and the necessary vertical hinged connectors with fasteners Use to form risers or solve most misalignment problems on site
1	ZAR WF	General purpose (Topaz)
1	PAR WF	Heavy duty (Sapphire)
1	EAR WF	Extra heavy duty (Emerald)

Pack	Cat. Nos.	Ancillary items (continued)
		<b>Dropout plate</b> Supplied with fasteners Use to provide local support for cables as they exit a cable ladder run between rungs
1	DO WF	All ladder types
		<b>Rail-to-rail dropout brackets</b> Supplied in pairs with fasteners Use to attach a vertical run of ladder or tray beneath a horizontal main ladder run
1	MF	For ladder to ladder connection  or Tray to ladder connection
		<b>Tee brackets</b> Supplied in pairs with fasteners Use to create a branch of a straight ladder run, (see p. 26) for technical information
1	ZTB F	General purpose (Topaz)
1	PTB F	Heavy duty (Sapphire)
1	ETB F	Extra heavy duty (Emerald)

Key : selecting ancillary items. Replace the letters shown in red with your choice from the following options :  
W = Widths (mm) : 150, 300, 450, 600, 750, 900  
Note : see p. 8-9 for specific width and finish options





Key : selecting for ancillary items and covers. Replace the letters shown in **red** with your choice from the following options :

**W** = Widths : **150, 300, 450, 600, 750, 900**  
**Y** = Ladder width reduction    **A** = Angle (°) : **90 or 45**  
**B** = Branch width (mm) : **150, 300, 450, 600, 750, 900**  
**F** = Finish : **G** (hot dip galvanised after manufacture),  
                  **D** (deep galvanised) **S** (stainless steel), **E** (powder coated)  
**K** = Narrowed width when using a reducer (mm) :  
                  **150, 300, 450, 600, 750**  
**r** = Radius (mm) : **300, 600**

Note : see p. 8–9 for specific width and finish options

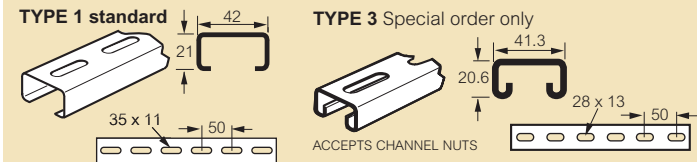




Swifts® cable ladder system  
dimensions – general purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald)

Rung details

Type 3 is only available to special order  
Type 3 is not available in deep galvanised finish  
Types 1 and 3 can be inverted and supplied in any combination to special order



Coupler sets (straight length to straight length and fitting to fitting)

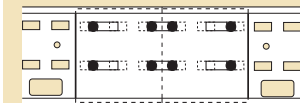
**General purpose (Topaz)**  
Supplied in pairs, with fasteners (4 per coupler)  
Fastener positioning : common to both coupler set types



Note : when connecting straight lengths to straight lengths even when ladder is cut to length, the slots in the coupler will always align with slots in the ladder side rail.  
When bolting to cut ends adjust coupler to ensure 4 bolts can be inserted

**Heavy duty (Sapphire) and extra heavy duty (Emerald)**  
Supplied in pairs, with fasteners (8 per coupler)

Fastener positioning : common to both coupler set types



Note : when connecting straight lengths to straight lengths even when ladder is cut to length, the slots in the coupler will always align with slots in the ladder side rail.  
When bolting to cut ends adjust coupler to ensure 8 bolts can be inserted

Fasteners for fittings

Fasteners for fittings are purchased separately – see table below for requirements

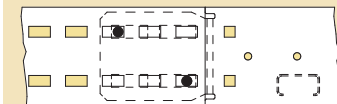
	Number of fasteners required per fitting type	
	Topaz	Sapphire and Emerald
Flat Bends	8	16
Outside/ Inside risers	8	16
Reducers	8	16
Tees	12	24
4 way crosspieces	16	32

Fastener sets comprising 50 of each of the following : M10 coach bolt, flat washer, spring washer and nut

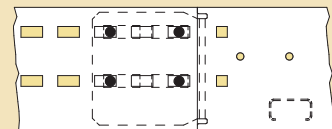
Fastener position

Connecting fittings with integral coupler to straight lengths

General purpose (Topaz)



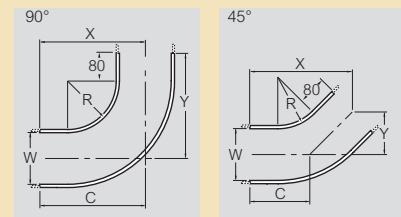
Heavy duty (Sapphire) and extra heavy duty (Emerald)



All dimensions (mm)

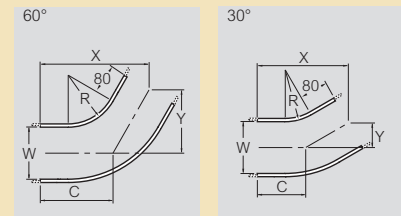
Flat bends

X = length of fitting from each 'end' of centre-line (not including integral coupler)  
Y = length from each 'end' of the fitting to the point at which the centre-lines intersect (not including integral coupler)  
C = length of the centre-line from each 'end' of the fitting to the point at which the centre-lines intersect (not including integral coupler)



All dimensions (mm)

**Note :**  
60° and 30° bends can be supplied to special order only

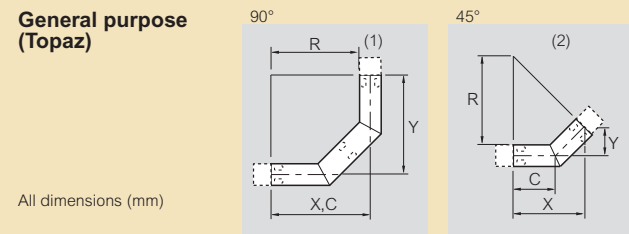


Width (W)	Radius (R)	X	90° Y	C	X	45° Y	C
150	300	453	453	453	400	166	235
	450	603	603	603	506	210	297
	600	753	753	753	612	254	359
	750	903	903	903	719	298	421
	900	1053	1053	1053	825	342	483
300	300	528	528	528	453	188	266
	450	678	678	678	559	232	328
	600	828	828	828	665	276	390
	750	978	978	978	772	320	452
	900	1128	1128	1128	878	364	514
450	300	603	603	603	506	210	297
	450	753	753	753	612	254	359
	600	903	903	903	719	298	421
	750	1053	1053	1053	825	342	483
	900	1203	1203	1203	931	385	545
600	300	678	678	678	559	232	328
	450	828	828	828	665	276	390
	600	978	978	978	772	320	452
	750	1128	1128	1128	878	364	514
	900	1278	1278	1278	984	407	576
750	300	753	753	753	612	254	359
	450	903	903	903	719	298	421
	600	1053	1053	1053	825	342	483
	750	1203	1203	1203	931	385	545
	900	1353	1353	1353	1037	429	607
900	300	828	828	828	665	276	390
	450	978	978	978	772	320	452
	600	1128	1128	1128	878	364	514
	750	1278	1278	1278	984	407	576
	900	1428	1428	1428	1090	451	638

Risers

X = length of fitting from each 'end' of centre-line  
Y = length from each 'end' of the fitting to the point at which the centre-lines intersect  
C = length of the centre-line from each 'end' of the fitting to the point at which the centre-lines intersect  
Dimensions shown are identical for both inside and outside risers

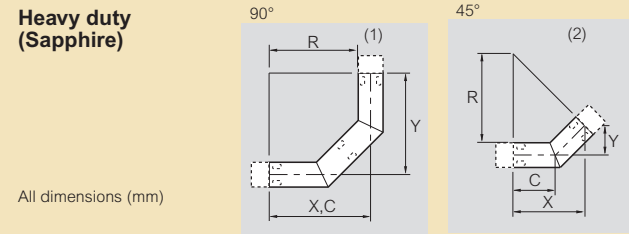
General purpose (Topaz)



All dimensions (mm)

Width (W)	Radius (R)	X	90° Y	C	X	45° Y	C
All	300	350	350	350	247	103	145
	450	500	500	500	354	146	207
	600	650	650	650	460	190	269
	750	800	800	800	566	234	331
	900	950	950	950	673	278	394

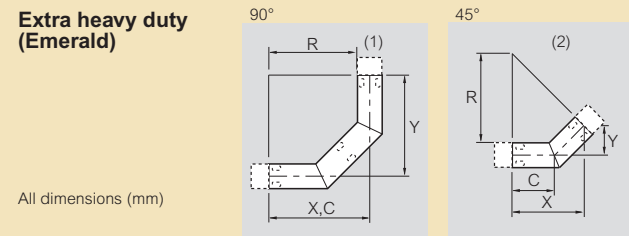
Heavy duty (Sapphire)



All dimensions (mm)

Width (W)	Radius (R)	X	90° Y	C	X	45° Y	C
All	300	363	363	363	256	106	150
	450	513	513	513	362	150	212
	600	663	663	663	468	194	274
	750	813	813	813	575	238	337
	900	963	963	963	681	282	399

Extra heavy duty (Emerald)

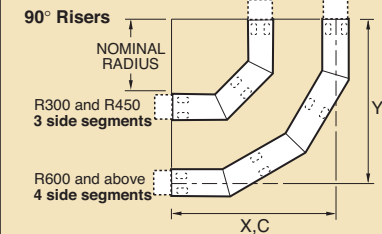


All dimensions (mm)

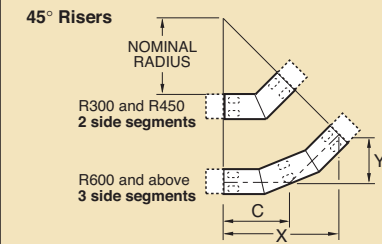
Width (W)	Radius (R)	X	90° Y	C	X	45° Y	C
All	300	375	375	375	265	110	155
	450	525	525	525	371	154	217
	600	675	675	675	477	198	280
	750	825	825	825	583	242	342
	900	975	975	975	689	286	404

All dimensions (mm)

Risers (continued)

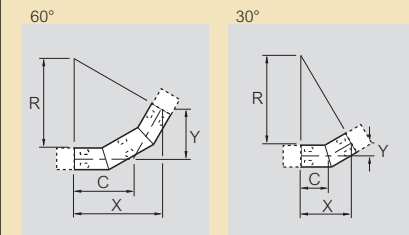


(1) 90° risers, 600R and above have 4 side segments



(2) 45° risers, 600R and above have 3 side segments

**Note :**  
60° and 30° risers can be supplied to special order only



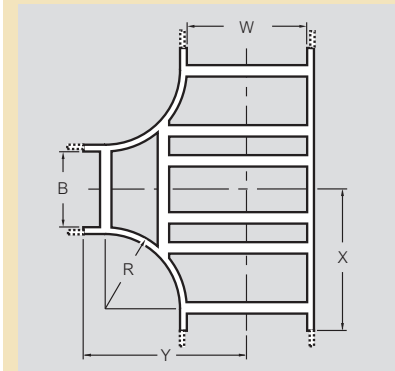


Swifts® cable ladder systems  
dimensions – general purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald)

■ Tees and unequal tees

X and Y dimensions are given to assist in the installation of a complete cable ladder run following a centre-line drawing (usually CAD generated)  
X = length of fitting from each 'end' of centre-line  
Y = length from each 'end' of the fitting to the point at which the centre-lines intersect  
For dimensions, see table below

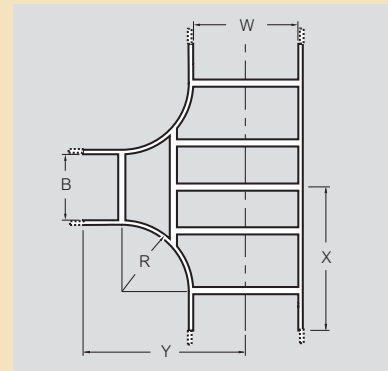
Unequal tees



Branch (B)	Radius (R)	UNEQUAL TEES											
		Width (W) 150 X	Width (W) 300 Y	Width (W) 450 X	Width (W) 600 Y	Width (W) 750 X	Width (W) 900 Y	Width (W) X	Width (W) Y	Width (W) X	Width (W) Y	Width (W) X	Width (W) Y
150	300	—	—	453	528	453	603	453	678	453	753	453	828
	450	—	—	603	678	603	753	603	828	603	903	603	978
	600	—	—	753	828	753	903	753	978	753	1053	753	1128
	750 <sup>(1)</sup>	—	—	903	978	903	1053	903	1128	903	1203	903	1278
	900 <sup>(1)</sup>	—	—	1053	1128	1053	1203	1053	1278	1053	1353	1053	1428
300	300	528	453	—	—	528	603	528	678	528	753	528	828
	450	678	603	—	—	678	753	678	828	678	903	678	978
	600	828	753	—	—	828	903	828	978	828	1053	828	1128
	750 <sup>(1)</sup>	978	903	—	—	978	1053	978	1128	978	1203	978	1278
	900 <sup>(1)</sup>	1128	1053	—	—	1128	1203	1128	1278	1128	1353	1128	1428
450	300	603	453	603	528	—	—	603	678	603	753	603	828
	450	753	603	753	678	—	—	753	828	753	903	753	978
	600 <sup>(1)</sup>	903	753	903	828	—	—	903	978	903	1053	903	1128
	750 <sup>(1)</sup>	1053	903	1053	978	—	—	1053	1128	1053	1203	1053	1278
	900 <sup>(1)</sup>	1203	1053	1203	1128	—	—	1203	1278	1203	1353	1203	1428
600	300	678	453	678	528	678	603	—	—	678	753	678	828
	450	828	603	828	678	828	753	—	—	828	903	828	978
	600 <sup>(1)</sup>	978	753	978	828	978	903	—	—	978	1053	978	1128
	750 <sup>(1)</sup>	1128	903	1128	978	1128	1053	—	—	1128	1203	1128	1278
	900 <sup>(1)</sup>	1278	1053	1278	1128	1278	1203	—	—	1278	1353	1278	1428
750	300	753	453	753	528	753	602	753	678	—	—	753	828
	450 <sup>(1)</sup>	903	603	903	678	903	753	903	828	—	—	903	978
	600 <sup>(1)</sup>	1053	753	1053	828	1053	903	1053	978	—	—	1053	1128
	750 <sup>(1)</sup>	1203	903	1203	978	1203	1053	1203	1128	—	—	1203	1278
	900 <sup>(1)</sup>	1353	1053	1353	1128	1353	1203	1353	1278	—	—	1353	1428
900	300	828	453	828	528	828	603	828	678	828	753	—	—
	450 <sup>(1)</sup>	978	603	978	678	978	753	978	828	978	903	—	—
	600 <sup>(1)</sup>	1128	753	1128	828	1128	903	1128	978	1128	1053	—	—
	750 <sup>(1)</sup>	1278	903	1278	978	1278	1053	1278	1128	1278	1203	—	—
	900 <sup>(1)</sup>	1428	1053	1428	1128	1428	1203	1428	1278	1428	1353	—	—

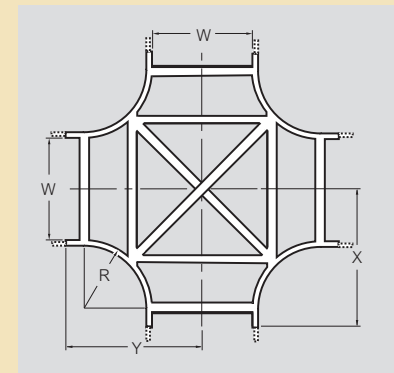
All dimensions (mm)  
(1) Supplied in 2 parts for assembly on site

Equal tees



EQUAL TEES		
Width (W)	Radius (R)	X/Y
150	300	454
	450	604
	600	754
	750 <sup>(1)</sup>	904
	900 <sup>(1)</sup>	1054
300	300	529
	450	679
	600	829
	750 <sup>(1)</sup>	979
	900 <sup>(1)</sup>	1129
450	300	604
	450	754
	600 <sup>(1)</sup>	904
	750 <sup>(1)</sup>	1054
	900 <sup>(1)</sup>	1204
600	300	679
	450	829
	600 <sup>(1)</sup>	979
	750 <sup>(1)</sup>	1129
	900 <sup>(1)</sup>	1279
750	300	754
	450 <sup>(1)</sup>	904
	600 <sup>(1)</sup>	1054
	750 <sup>(1)</sup>	1204
	900 <sup>(1)</sup>	1354
900	300	829
	450 <sup>(1)</sup>	979
	600 <sup>(1)</sup>	1129
	750 <sup>(1)</sup>	1279
	900 <sup>(1)</sup>	1429

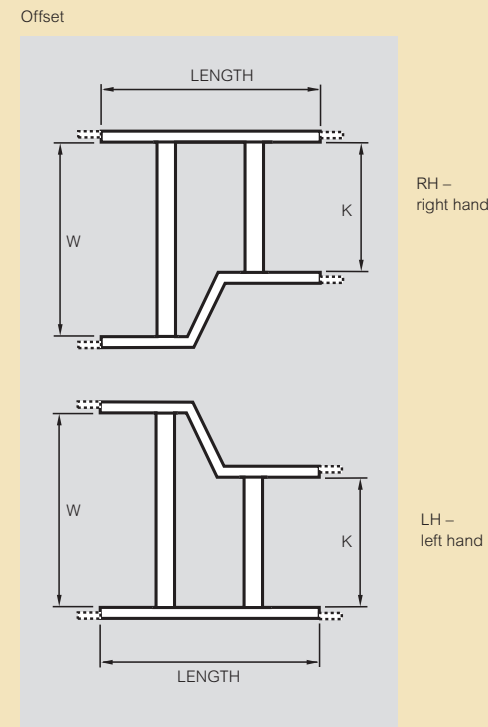
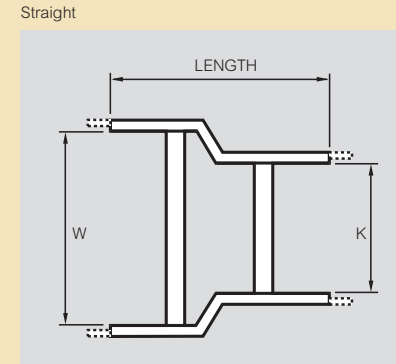
■ 4 way crosspieces



CROSSPIECE		
Width (W)	Radius (R)	X/Y
150	300	454
	450	604
	600	754
	750 <sup>(1)</sup>	904
	900 <sup>(1)</sup>	1054
300	300	529
	450	679
	600	829
	750 <sup>(1)</sup>	979
	900 <sup>(1)</sup>	1129
450	300	604
	450	754
	600 <sup>(1)</sup>	904
	750 <sup>(1)</sup>	1054
	900 <sup>(1)</sup>	1204
600	300	679
	450	829
	600 <sup>(1)</sup>	979
	750 <sup>(1)</sup>	1129
	900 <sup>(1)</sup>	1279
750	300	754
	450 <sup>(1)</sup>	904
	600 <sup>(1)</sup>	1054
	750 <sup>(1)</sup>	1204
	900 <sup>(1)</sup>	1354
900	300	829
	450 <sup>(1)</sup>	979
	600 <sup>(1)</sup>	1129
	750 <sup>(1)</sup>	1279
	900 <sup>(1)</sup>	1429

(1) Supplied in 2 parts for assembly on site  
All dimensions (mm)

■ Reducers



Width (W)	Width (K)	Straight length	Offset length
300	150	450	450
450	150	450	500
600	300	450	450
	150	500	550
	300	450	500
750	450	450	450
	150	500	600
	300	500	550
900	450	450	500
	600	450	450
	150	550	650
	300	500	600

All dimensions (mm)  
When viewing reducer from the widest width end the cranked side shown indicates a RH or LH



Loading graphs

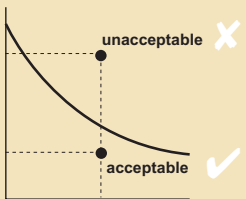
The loads shown on all graphs are the safe recommended maximum loads that can be applied and must include wind, snow and any other external forces in addition to the cable load

The graphs show the maximum load for ladder installed at a support spacing within its recommended range

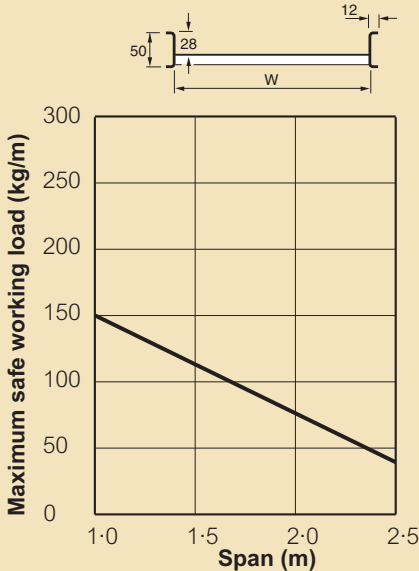
When the graph line is above the intersection of the required load and span lines, the support equipment is suitable for use within those load and span conditions

The graphs shown are for galvanised and deep galvanised finishes  
Loading graphs for stainless steel finish are available on request

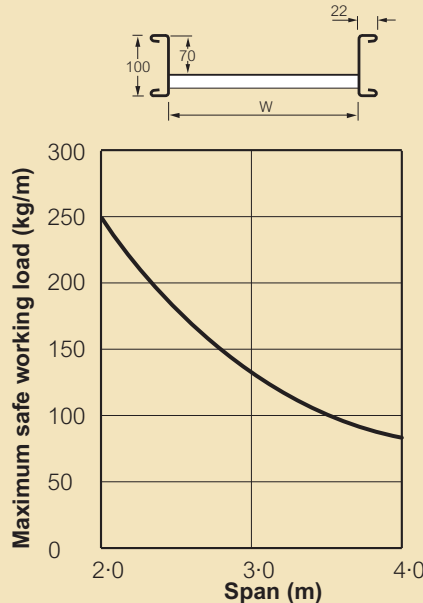
Example



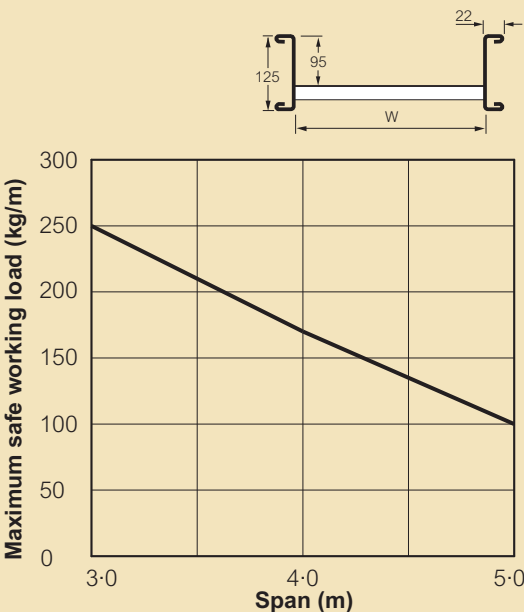
Light duty (Opal)



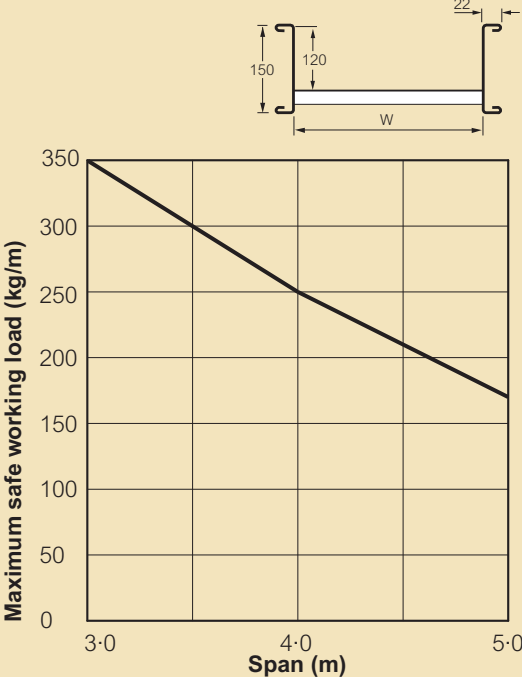
General purpose (Topaz)



Heavy duty (Sapphire)

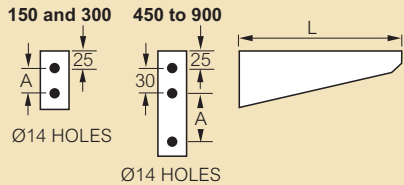
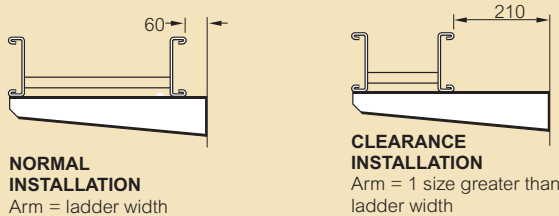


Extra heavy duty (Emerald)



Heavy duty cantilever arms

Supplied singly without fasteners  
Fit horizontal runs of ladder to flat surfaces and Swiftrack channel  
All arms have slots in top and side flanges to accept brackets  
Use hold down brackets

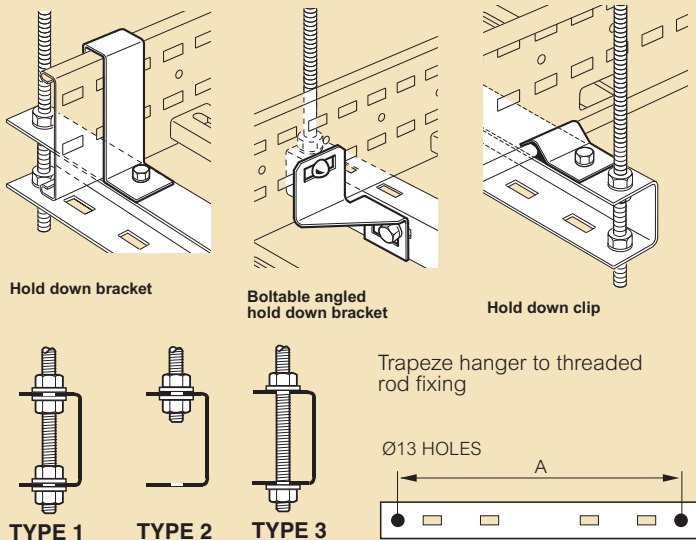


Cat. Nos.	A	L	SWL, kgf <sup>(1)</sup> surface <sup>(2)</sup> Swiftrack	
HCA 150 F	30	250	300	250
HCA 300 F	30	400	350	250
HCA 450 F	45	550	400	300
HCA 600 F	95	700	500	350
HCA 750 F	145	850	600	400
HCA 900 F	195	1000	700	450

(1) Per cantilever arm for load uniformly distributed across the complete arm, when ladder fixed to arm using Swifts hold down brackets  
Safety factor : 2  
(2) Solid surface is RSJ or concrete

Heavy duty trapeze hangers

Supplied singly without fasteners  
Support horizontal runs of ladder from overhead structure  
Use M12 threaded rods



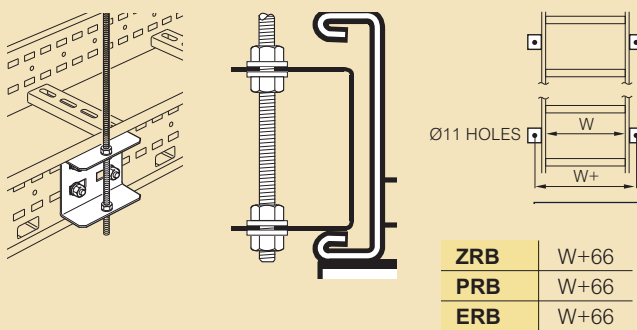
Cat. Nos.	A	Type 1	Type 2	Type 3
HTH 150 F	310	400	240	120
HTH 300 F	460	400	240	120
HTH 450 F	610	400	240	120
HTH 600 F	760	500	300	150
HTH 750 F	910	500	300	150
HTH 900 F	1060	500	300	150

(3) Per trapeze hanger for load uniformly distributed across complete hanger. Safety factor : 2

All dimensions (mm)

Hanger rod brackets

Supplied in pairs with bracket to ladder fasteners  
Support horizontal runs of ladder from overhead structure  
Use M10 threaded rods

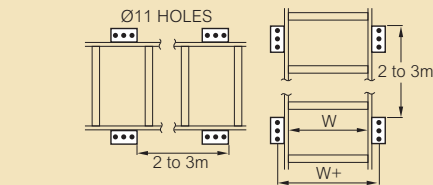


ZRB	W+66
PRB	W+66
ERB	W+66

For details about safe working loads, contact us on 0845 605 4333

Wall support brackets

Supplied in pairs with bracket to ladder fasteners  
Fit horizontal or vertical runs of ladder to vertical surfaces and Swiftrack channel



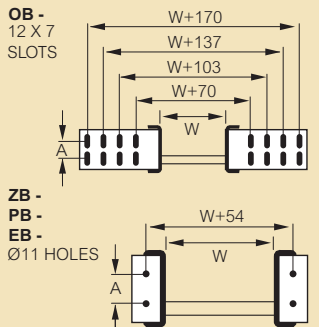
ZWSB	W+106
PWSB	W+106

Safe working loads  
Contact us on 0845 605 4333

90° end connectors

Supplied in pairs with bracket to ladder fasteners  
Fit ends of ladder to vertical surfaces

	A
ZB F	50
PB F	75
EB F	75

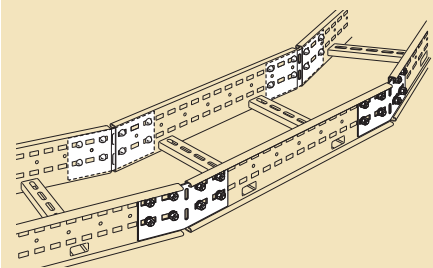


All dimensions (mm)

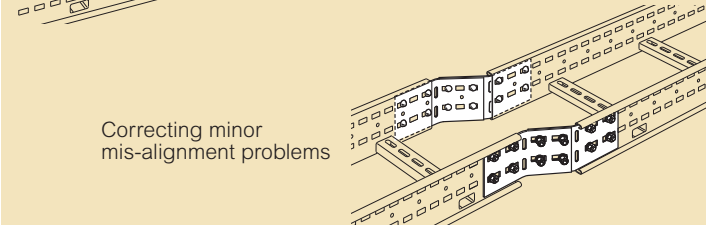


■ Bendable connectors

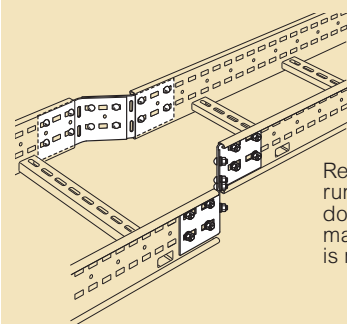
Supplied in pairs with fasteners



Fabricating accessories on site from cut lengths of cable ladder, e.g. a long articulated bend



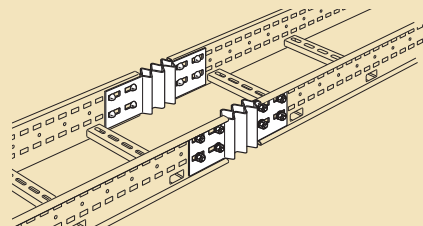
Correcting minor misalignment problems



Reducing width of a run to the next size down when a properly manufactured reducer is not available

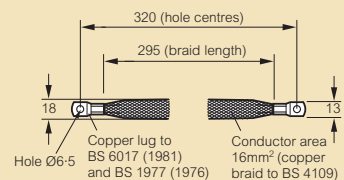
■ Flexible expansion couplers

Supplied in pairs with fasteners  
Provide a semi-flexible joint to compensate for relative movement when spanning separate structures or changes in ladder lengths due to temperature variation. Mounting pairs of couplers back-to-back, will increase the stiffness of each joint



■ Earth continuity connectors

**General purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald)**  
M6 brass fasteners included in pack  
Copper braid and copper lugs, both in electroplated finish



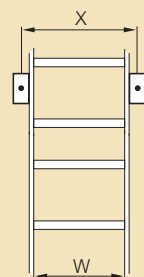
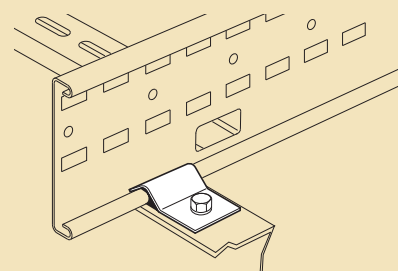
All dimensions (mm)

■ Hold down clip

Fits ladder to flat surfaces, Swiftrack channel or heavy duty trapeze hangers which have slots in the top flange to accept fasteners  
Supplied singly without fasteners  
ZF F, PF F, EF F use M10  
Insulated hold down clips are available for stainless steel ladder, contact us on 0845 605 4333  
All Swifts supports are provided with correctly positioned fixing holes to accept hold down clips without drilling. The table below gives the fixing hole spacing required when attaching hold down clips to other supports

Cat. Nos.	Centre distance between fixing holes X
ZF F	W + 95
PF F	W + 95
EF F	W + 95

W = ladder width

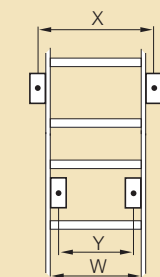
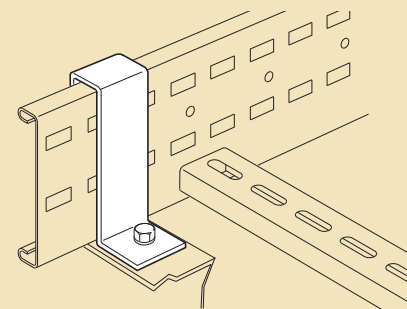


■ Hold down bracket

Fits ladder to flat surfaces, Swiftrack channel, cantilever arms or heavy duty trapeze hangers which have slots in the top flange to accept fasteners  
Supplied singly without fasteners  
Insulated hold down brackets are available for stainless steel ladder, contact us on 0845 605 4333  
All Swifts supports are provided with correctly positioned fixing holes to accept hold down brackets without drilling. The table below gives the fixing hole spacing required when attaching hold down bracket to other supports

Cat. Nos.	Centre distance between fixing holes inside ladder Y	outside ladder X
ZJ F	W - 44	W + 80
PJ F	W - 44	W + 80
EJ F	W - 44	W + 80

W = ladder width

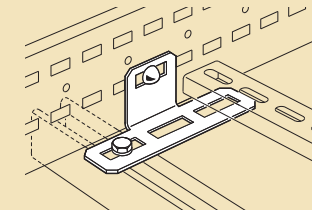


All dimensions (mm)

■ Boltable brackets

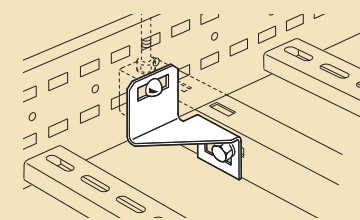
**Boltable hold down bracket**

Supplied singly with bracket to ladder fastener  
Fit ladder to Swiftrack channel in fabricated steel support structure  
Bracket to support fastener : M12



**Boltable angled hold down brackets**

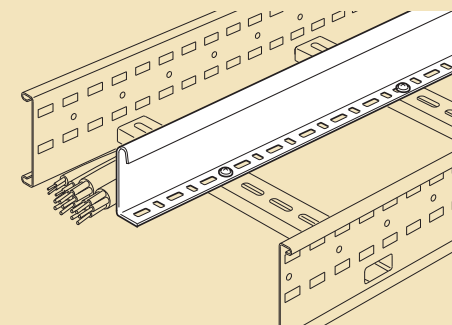
Supplied in handed pairs with bracket to ladder fastener  
Fit ladder to heavy duty cantilever arms and trapeze hangers which have slots in the side flange to accept fasteners  
Bracket to support fastener : M10



■ Dividers

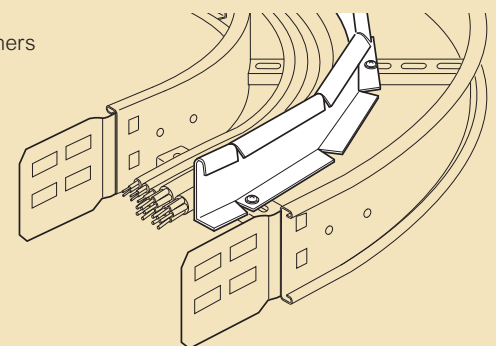
**Straight divider**

Supplied with fasteners



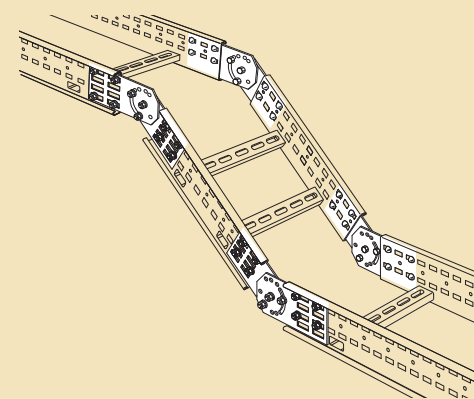
**Curved divider**

Supplied with fasteners  
Drill on site to fit



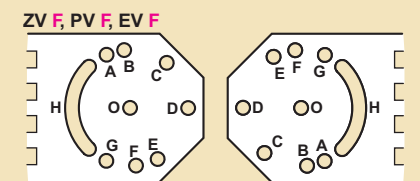
■ Vertical hinged connectors

Supplied in sets comprising four plates and fasteners  
Use with straight lengths to form risers or solve minor misalignment problems on site



■ Vertical hinged connectors

Connect together to form pre-set angles or pre-assemble for adjustment on site using the holes / slots given below

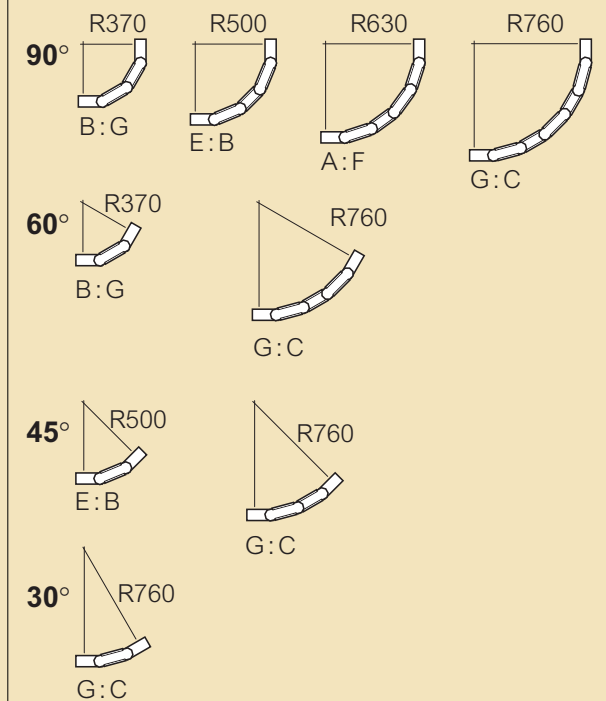


Cat. Nos.	15°	18°	22-5°	30°	45°
ZV F, PV F, EV F	G:C	A:F	E:B	B:G	F:C

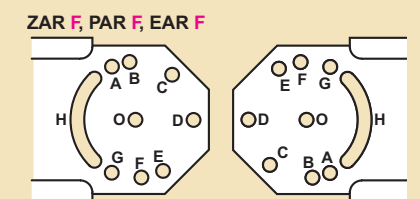
■ Articulated risers

Set comprises three ladder sections and the necessary vertical hinged connectors with fasteners  
Use to form risers or solve most misalignment problems on site

**Sections required for a given angle**  
R = radius



Connect together to form pre-set angles or pre-assembled for adjustment on site using the holes / slots shown

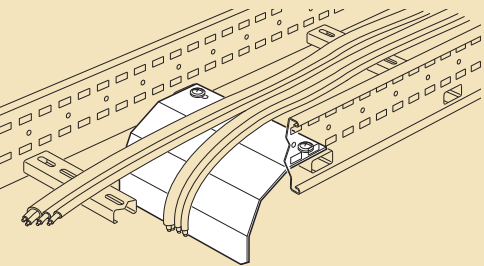


Cat. Nos.	15°	18°	22-5°	30°	45°
ZAR F, PAR F, EAR F	G:C	A:F	E:B	B:G	F:C



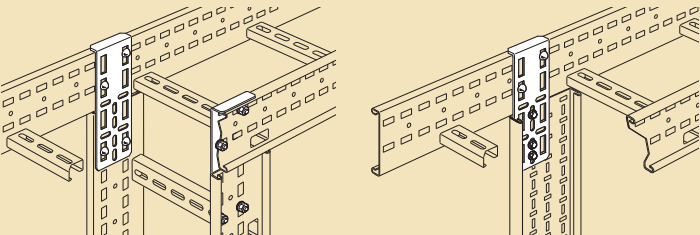
Dropout plate

Supplied with fasteners  
Use to provide local support for cables as they exit a cable ladder run between rungs



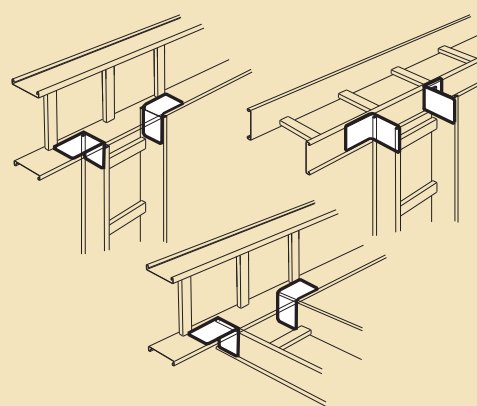
Rail-to-rail dropout brackets

Supplied in pairs with fasteners  
Use to attach a vertical run of ladder or tray beneath a horizontal main ladder run

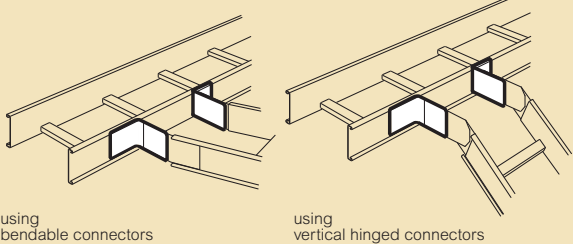


Tee brackets

Supplied in pairs with fasteners  
Use to create a straight or 90° branch off a straight ladder run



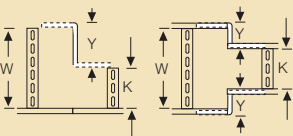
Couple with vertical hinged connectors or bendable connectors to offset the branch



Main ladder run	Permitted ladder branch		
	General purpose	Heavy duty	Extra heavy duty
General purpose (Topaz)	ZTB F	–	–
Heavy duty (Sapphire)	ZTB F	PTB F	–
Extra heavy duty (Emerald)	ZTB F	PTB F	ETB F

Short reducer brackets

Supplied singly with fasteners  
Use to form a reducer on site  
**Straight reducer**  
– use in pairs  
**Offset reducer**  
– use singly with straight coupler



Use the following calculations to establish ladder width reduction  
This measurement (Y), can then be inserted into relevant Cat. Nos. to show bracket size required (see p. 16)

Offset reducer

$$Y = W - K$$

Straight reducer

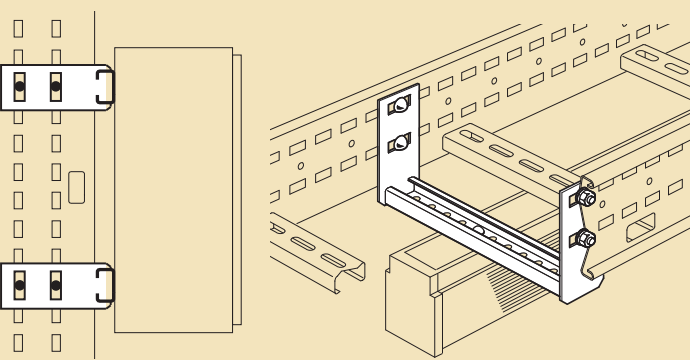
$$Y = \frac{W - K}{2}$$

W = main ladder mm  
K = reduced ladder mm

Short reducer brackets can also be used to convert an equal tee into an unequal tee

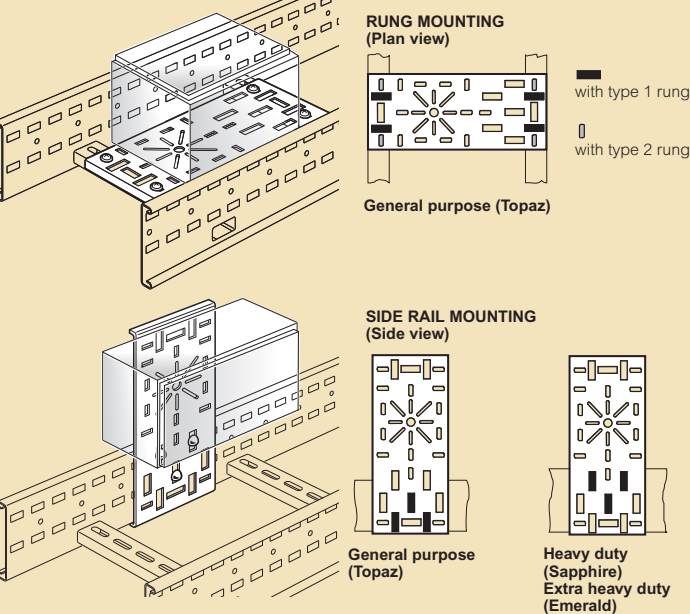
Ancillary mounting bracket

Supplied singly with bracket to ladder fastener  
Slots for M6 fasteners are provided for mounting ancillary items



Ancillary mounting plate

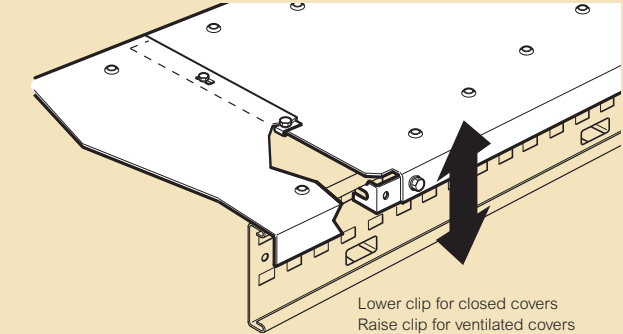
Supplied singly with plate to ladder fasteners  
Use to mount small lightweight items of ancillary equipment to cable ladder runs



Covers for Topaz, Sapphire and Emerald ladder

General purpose (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald) use the same covers and closed/ventilated clips

Cover clips are adjustable for closed ventilated covers  
600 mm wide covers and above are overlap jointed for rigidity



Threaded rods

Threaded rod connectors

Cat. Nos.	Size
RC06	M6
RC08	M8
RC10	M10
RC12	M12

Maximum load for connector

Cat. Nos.	Size	SWL (kgf)
TR06	M6	91
TR08	M8	165
TR10	M10	262
TR12	M12	381



Ordering information

All Ladder systems comply with BS EN 61537 : 2006  
Cat. Nos. are generated by replacing the red letters in the product code with the relevant width, angle, radius, branch and finish (where needed). Examples are provided below and in the selection charts in the following pages

Fasteners

Fasteners for fittings are purchased separately – see table below for requirements

	Number of fasteners required per fitting type	
	Topaz	Sapphire and Emerald
Flat Bends	8	16
Outside/Inside risers	8	16
Reducers	8	16
Tees	12	24
4 way cross pieces	16	32

Fastener sets comprising 50 of each of the following : M10 coach bolt, flat washer, spring washer and nut

General purpose (Topaz)

Standard widths :

150, 300 and 600 mm  
Supplied with standard type 1 rungs throughout unless otherwise specified.

**Key to selecting fittings** (see selection chart p. 8–9)

Examples :

For a hot dip galvanised straight length, 600 mm wide :

Product code = ZL 600 F – Cat. No. = ZL 600 G

For a hot dip galvanised 90° flat bend with 300 mm radius,

600 mm wide :

Product code = ZFB 600 A r F – Cat. No. = ZFB 600 90 300 G

Heavy duty (Sapphire)

Standard widths :

150, 300, 450, 600, 750 and 900 mm

6 m lengths available to special order e.g. PL 600 G 6 M

Contact our Customer Service Department for details on 0845 605 4333

Supplied with standard type 1 rungs throughout unless otherwise specified.

**Key to selecting fittings** (see selection chart p. 8–9)

Examples :

For a hot dip galvanised straight length, 600 mm wide :

Product code = PL 600 F – Cat. No. = PL 600 G

For a hot dip galvanised 90° flat bend with 300 mm radius,

600 mm wide :

Product code = PFB 600 A r F – Cat. No. = PFB 600 90 300 G

Extra heavy duty (Emerald)

Standard widths :

150, 300, 450, 600, 750 and 900 mm

6 m lengths available to special order e.g. EL 600 G 6 M

Contact our Customer Service Department for details on 0845 605 4333

Supplied with standard type 1 rungs throughout unless otherwise specified.

**Key to selecting fittings** (see selection chart p. 8–9)

Examples :

For a hot dip galvanised straight length, 600 mm wide :

Product code = EL 600 F – Cat. No. = EL 600 G

For a hot dip galvanised 90° flat bend with 300 mm radius,

600 mm wide :

Product code = EFB 600 A r F – Cat. No. = EFB 600 90 300 G

FINISHES


Standard stocked finish :

**G** Hot dip galvanised after manufacture to BS EN ISO 1461.

Additional Finishes:

**D** Deep galvanised high silicon steel made from BS EN 10025 – 5 grade S355JOW.

**S** Stainless steel to BS EN 10088 – 2 grade 1.4404 (equivalent to 316L31).

 **Sheared steel (particularly stainless steel) does have relatively sharp edges and protective gloves must be worn during handling**



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**Website : [www.legrand.co.uk](http://www.legrand.co.uk)**