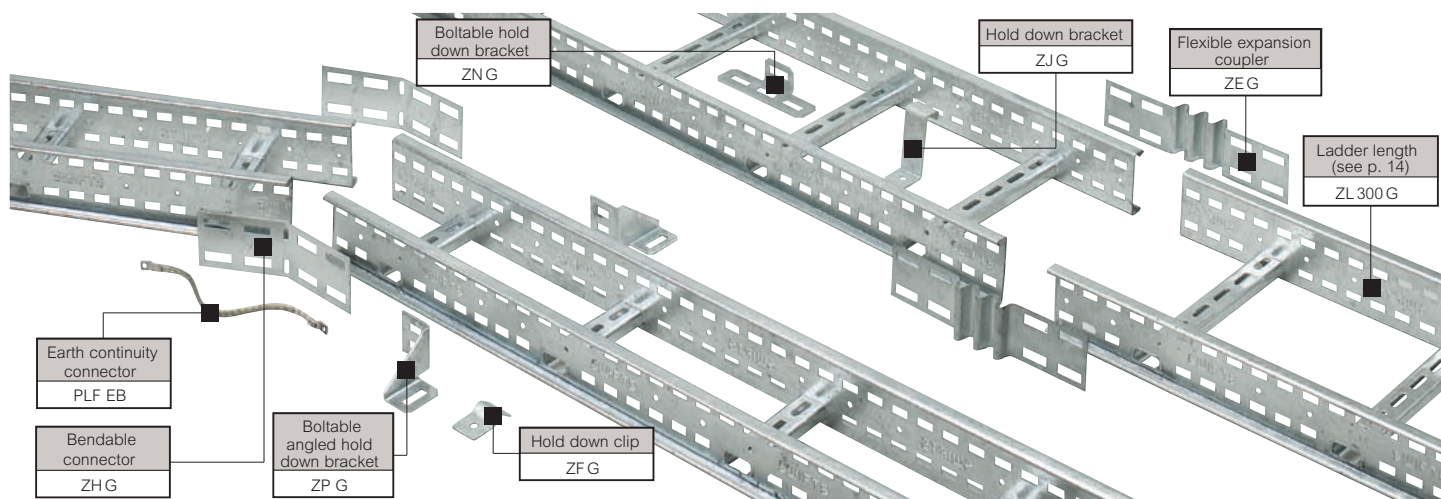
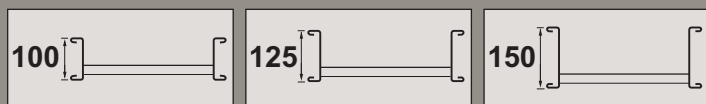


# Swifts® cable ladder ancillary items

medium duty (Topaz), heavy duty (Sapphire) and extra heavy duty (Emerald)



Dimensions and technical information (p. 79-83)  
 Dimensions and technical information coupler sets (p. 38-45)

Pack	Cat. Nos.	Ancillary items
		<b>Bendable connectors</b>
		Supplied in pairs with fasteners For fabricating fittings on site to make up bends, reducers and compensate for misalignment of straight lengths For technical information, see p. 41
1	ZH F	Medium duty (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 For technical information, see p. 40
1	ZE F	Medium duty (Topaz)
1	PE F	Heavy duty (Sapphire)
1	EE F	Extra heavy duty (Emerald)
		<b>Earth continuity connectors</b>
10	PLFEB	Medium duty (Topaz), heavy duty (Sapphire), extra heavy duty (Emerald) M6 brass fasteners included in pack Copper braid and copper lugs both in electroplated finish Conductor area : 16 mm <sup>2</sup> For technical information, see p. 79

Pack	Cat. Nos.	Ancillary items (continued)
		<b>Hold down clip</b>
		Supplied singly without fasteners Fits ladder to flat surfaces, Swiftrack channel or heavy duty trapeze hangers which have slots in the top flange to accept fasteners For insulated version, add IN after Cat. No., eg. ZFIN F. (Note : note available in D finish) For technical information, see p. 80
1	ZF F	Medium duty (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, Swiftrack channel, cantilever arms or heavy duty trapeze hangers which have slots in the top flange to accept fasteners For insulated version, add IN after Cat. No., eg. ZJIN F. (Note : note available in D finish) For technical information, see p. 81
1	ZJ F	Medium duty (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 Swiftrack channel in fabricated steel support structure For technical information, see p. 82
1	ZN F	Medium duty (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 For technical information, see p. 83
1	ZPF	Medium duty (Topaz)
1	PPF	Heavy duty (Sapphire)
1	EPF	Extra heavy duty (Emerald)

Key : selecting medium duty (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)