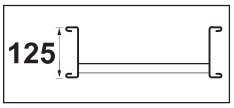
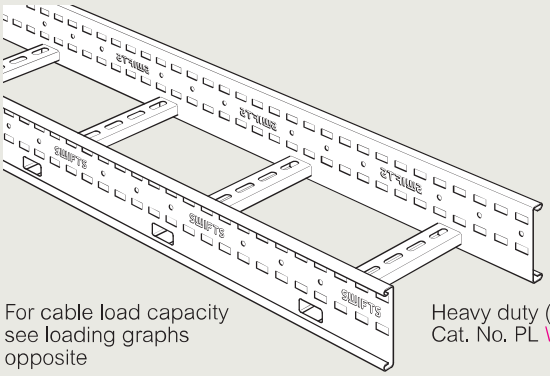
Swifts® straight lengths
heavy duty (Sapphire)



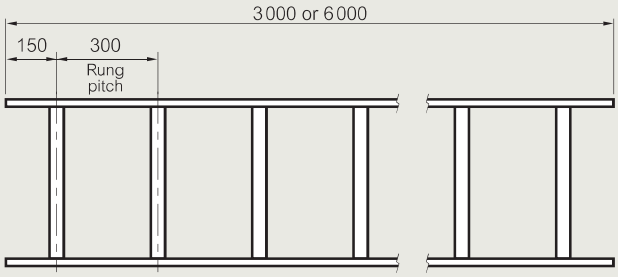
■ Dimensions and weights



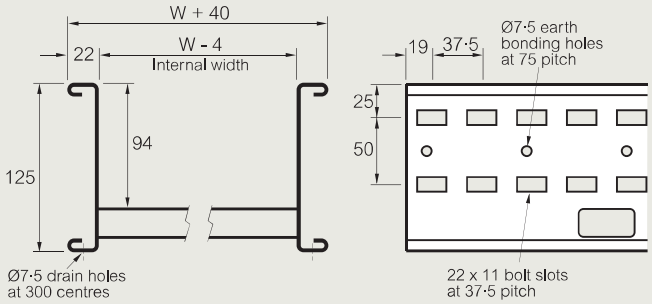
For cable load capacity see loading graphs opposite

Heavy duty (Sapphire) Cat. No. PL W F

Dimensions



Standard length = 3000 mm (6000 mm available on special request)



Weights

Width (W)	Cat. Nos.	Weight (kg)
150	PL 150 F	13·8
300	PL 300 F	15·0
450	PL 450 F	16·3
600	PL 600 F	18·5
750	PL 750 F	22·0
900	PL 900 F	23·9

All weights given are in kilograms (kg) and are for a 3 m straight length in hot dip galvanised G finish

To obtain the appropriate component weight in other finishes, multiply the given weight by the following factors :

Deep galvanised	(D)	x 1·07
Stainless steel	(S)	x 0·94
Powder coated	(E)	x 0·97

Gauge

Standard side rail = 1·5 mm
Non-standard side rail = 2·0 mm

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

F = Finish : G (hot dip galvanised after manufacture)
D (deep galvanised)
S (stainless steel)
E (powder coated)

■ Loading graphs

Load tests carried out to BS EN 61537 test type 1 (safety factor 1·7+ and joint in middle of span) or test type 4 (safety factor 1·7+ and joint in middle of span with rung slot over support)

Load tests carried out over 3 m, 4 m and 5 m spans using 3 m lengths and 6 m spans using 6 m lengths

Safe working load should include all cable loads and any other additional loads (e.g. wind, snow)

For spans greater than 5 m : data is for 6 m long ladders only
For spans 5 m and less : data can be used for 3 m or 6 m long lengths

For spans greater than 5 m : ladder is not suitable for use with dynamic loads (e.g. wind, snow)

When installed, inner span deflection will vary depending on joint positions but will typically be about half of test end span deflection shown below



Graph showing safe working load vs span with deflections shown at SWL

(1) Deflections shown for G finish. D and S finish deflections on application, please contact us on +44 (0) 845 605 4333

■ Finishes

Standard stocked finish :

G Hot dip galvanised after manufacture to BS EN ISO 1461 : 2009

Additional finishes :

D Deep galvanised high silicon steel made from BS EN 10025-5 : 2004 Grade S355JOWP

S Stainless steel to BS EN 10088 – 2 grade 1·4404 (equivalent to 316L31)
Pickle and passivation is available to special order

E Powder coated (to customer's specification)

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

All dimensions (mm) are nominal

Rung details : see p. 37

Coupler sets : see p. 38–42