

Swiftrack® channel lengths

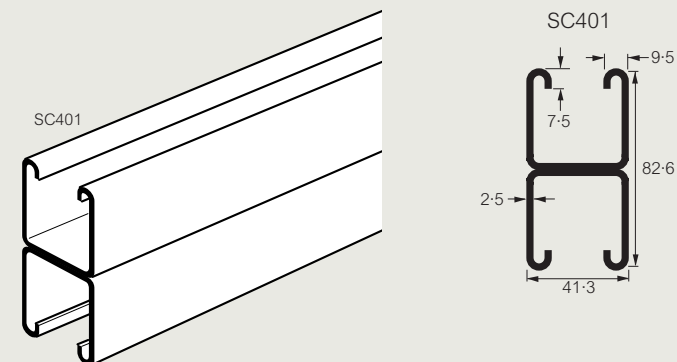
back-to-back channels and section properties

■ Back-to-back channels

Back to back channels are available in 3 and 6 m lengths, supplied singly

Back-to-back channels are formed by spot welding together two finished single channels at 150 mm centres under controlled conditions to BS EN 1993-1-3 : 2006. All welds and spot welds are suitably protected

■ Dimensions and weights



	Cat. Nos.		Weight (kg) per m
	3 m long	6 m long	
Back-to-back channel	SC401 3M	SC401 6M	5.3

Cat. Nos. given are for standard finish back-to-back channel
For alternative finishes see below

Weights

All weights given are in kilograms (kg) based on nominal thickness and are for pre-galvanised finish

For weights in alternative finishes contact us on +44 (0) 845 605 4333

■ Finishes and standards

Standard finish :

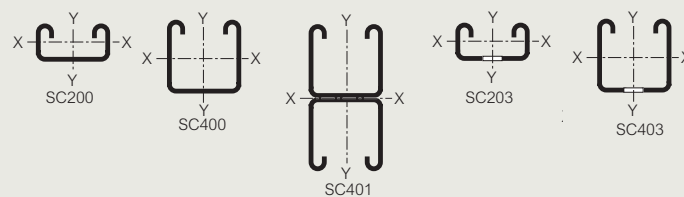
Pre-galvanised mild steel to BS EN 10346 : 2009 Grade S250GD + Z275 finish (structural grade)

Alternative finishes :

G Hot dip galvanised after manufacture to BS EN ISO 1461

S Stainless steel to BS EN 10088 : Grade 1.4404 (equivalent to S316L31)

■ Section properties



Cat. Nos.	Wt (kg/m)	A (mm ²)	I_{xx} (mm ⁴)	Z_{top} (min mm ³)	Z_{bottom} (max mm ³)	r_{xx} (mm)	I_{yy} (mm ⁴)	r_{yy} (mm)
SC200	1.8	219	10 779	862	1 330	7.1	49 776	15.1
SC203	1.6	219	8 960	794	961	6.4	49 318	15.0
SC400	2.6	322	67 157	2 857	3 772	14.5	88 783	16.6
SC401	5.3	645	339 300	8 215	8 215	23.0	177 566	16.6
SC403	2.4	322	57 221	2 645	2 909	13.3	88 325	16.5

Wt = weight of section (kg/m)

A = cross-sectional area (mm²)

I_{xx} = moment of inertia = second moment of area (mm⁴)

Z_{top} = section modulus about xx axis (mm³)

Z_{bottom} = section modulus about xx axis (mm³)

r_{xx} = radius of gyration (mm)

I_{yy} = moment of inertia = second moment of area (mm⁴)

r_{yy} = radius of gyration (mm)

xx = about xx axis

yy = about yy axis

All dimensions (mm) are nominal

→ Swiftrack brackets : see p. 104-107