

TOP HAT SECTIONS

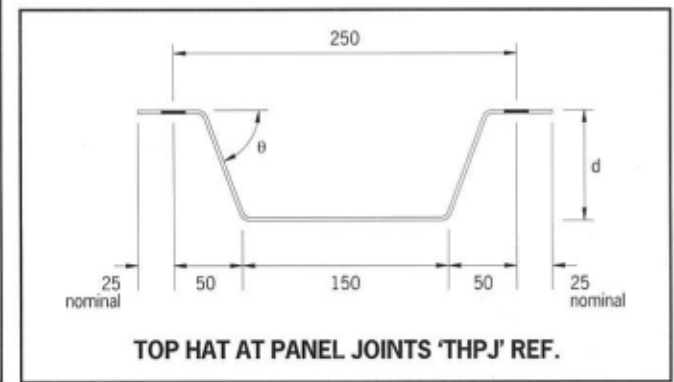
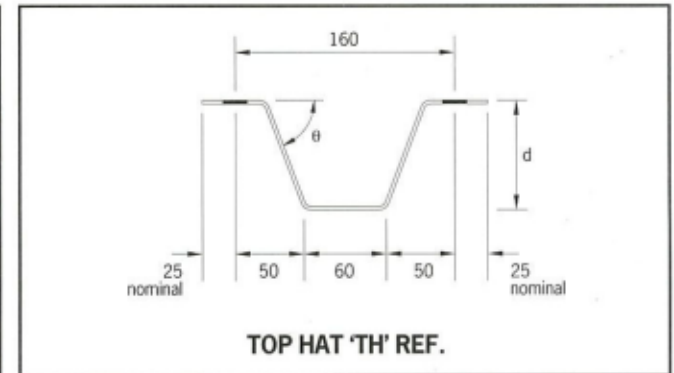
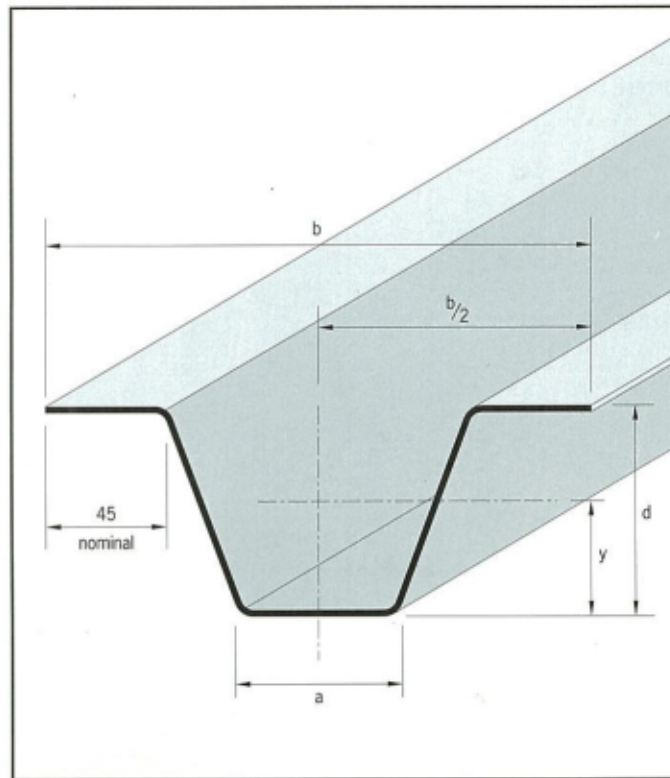
80mm and 100mm deep Top Hat sections for fixing directly to the flanges of the horizontal rails.

Specification

Section Grade S390GD+Z275, zinc coated steel with a minimum yield strength of 390 N/mm². Refer to page 67 for full technical specification

Design BS5950:Part5:1998

Maximum length 10m



SECTION PROPERTIES

Section	Depth mm	t mm	θ deg	Weight kg/m	Area mm ²	I _{xx} cm ⁴	Z _{xx} cm ³	r _{xx} mm	I _{yy} cm ⁴	Z _{yy} cm ³	r _{yy} mm	y mm	M _{ca} kNm	M _{cb} kNm
TH80	80	1.7	70	4.15	508	50.73	11.61	31.26	159.74	15.36	55.46	43.76	4.28	3.60
THPJ80	80	1.8	70	5.65	702	77.48	17.09	32.93	551.99	36.56	87.88	34.66	4.80	4.43
TH100	100	1.7	73	4.61	571	83.96	15.58	38.13	172.9	16.63	54.71	53.96	5.74	4.96
THPJ100	100	1.8	73	6.25	772	127.25	22.67	40.39	612.38	40.29	88.61	43.86	6.52	6.06

M_{ca} refers to the Ultimate Restrained Capacity of the section with the stiffened (sheeted) flange in compression. M_{cb} refers to the Ultimate Restrained Capacity of the section with the two non-stiffened flanges in compression.

STANDARD HOLING LINES FOR ALL SECTIONS
14 dia. or slotted flange holes may be punched in any pattern on these lines.