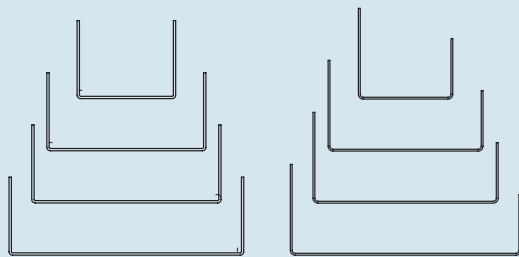
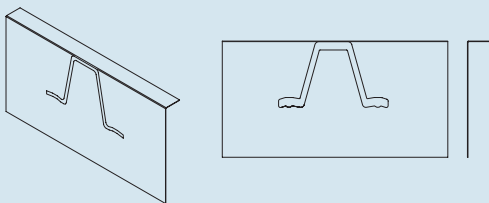


Product	Lengths Available	kg per m
DS60x0.75mm G550 Z275 Galv	Run to Order	1.225
DS60x0.95mm G550 Z275 Galv	Run to Order	1.531
DS100x0.75mm G550 Z275 Galv	Run to Order	1.947
DS100x0.95mm G550 Z275 Galv	Run to Order	2.434
DS120x0.75mm G550 Z275 Galv	Run to Order	2.198
DS120x0.95mm G550 Z275 Galv	Run to Order	2.748
DS150x0.95mm G550 Z275 Galv	Run to Order	3.219
DS150x1.15mm G500 Z275 Galv	Run to Order	3.862



Product	Lengths Available	kg per m
J1 62IDx52x1.55mm Jamb Flashing Channel	1.0, 2.7, 4.0, 6.0m	2.049
J2 102IDx52x1.55mm Jamb Flashing Channel	1.0, 2.7, 4.0, 6.0m	2.551
J3 122IDx52x1.55mm Jamb Flashing Channel	1.0, 2.7, 4.0, 6.0m	2.802
J4 152IDx52x1.55mm Jamb Flashing Channel	1.0, 2.7, 4.0, 6.0m	3.179
J1 60x60IDx40x1.2mm Odd Leg Jamb Flashing Channel	3.2m	1.541
J2 60x100IDx40x1.2mm Odd Leg Jamb Flashing Channel	3.2m	1.934
J3 60x120IDx40x1.2mm Odd Leg Jamb Flashing Channel	3.2m	2.130
J4 60x150IDx40x1.2mm Odd Leg Jamb Flashing Channel	3.2m	2.425



Product	Sizes Available	Bundles	kg per m
THF60 Flashing Plate	120x233x23x0.55mm AZ150	20	0.136
THF100 Flashing Plate	160x286x23x0.55mm AZ150	20	0.213
THF120 Flashing Plate	180x293x23x0.55mm AZ150	20	0.245
THF150 Flashing Plate	210x306x23x0.55mm AZ150	20	0.297

Rollforming Services Tophat Purlins are a versatile, lightweight, economical and an easy to use product for roof purlins, wall girts, floor joists, and many other applications such as carports, fencing and racking.

Ideally for spans from 3m to 7m, Tophat Purlins will provide an economical alternative to standard timber beams or Steel C-Purlins.

Tophat Purlins are fastened directly to their supports with Tek Screws which results in a saving on cleats. The symmetrical section means no braces or nogs are needed to prevent twisting and the profile is easily lapped for optimal performance.

Tophat Purlins are available in long run lengths up to 14 metres, depending on the available transport and handling facilities.

Check out the Technical documents for span and load capabilities.

Enquire now to order or for further information.

ACCESSORIES

Jamb Flashings

Available in two variations they are used where a door or window is cut into the side of a building to flash off the cladding and Tophat girt. Made from G250 Z275 Galv Steel.

THF Flashing plates

Used where Tophats pass through internal or external wall linings and fire rated wall linings. They provide fixing for the sheets and a neat tidy hole which would otherwise be hard to achieve. Lapped Tophats will also pass through the plate. They are made with AZ150 Steel. When required you can colour them with spray paint to match your cladding.

Batten Hanger Brackets

Designed to work in with 100mm and 120mm Tophats, where a shed is to be lined and you require a 150mm ceiling cavity.

DURABILITY

Tophat Purlins are manufactured from hot dipped galvanised steel with a coating weight of 275gram/sqm, in line with other common lightweight steel structural building products. Z450 Galv steel is available upon request with up to a 12-week lead time.

This gives good protection in most exposed internal environments, and for external use in moderate marine environments. Where used in a lined interior dwelling, a thermal break should be installed between the Tophat and the cladding to avoid thermal bridging. Where sections are exposed to salt spray but not rain washing, maintenance is required to remove any build-up of salt deposits on the surface.

Run off from, or contact with, materials which are incompatible with zinc should be avoided.

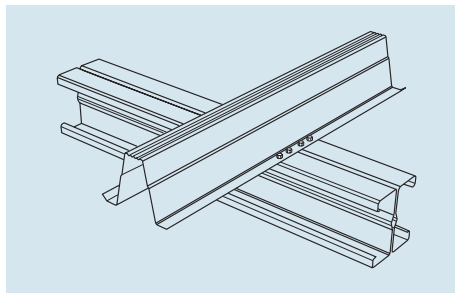
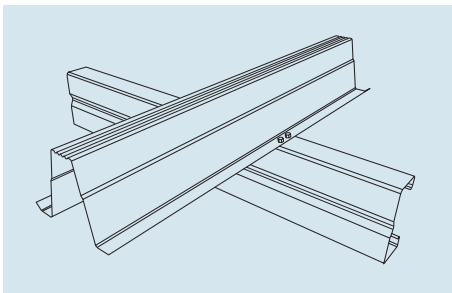
Please refer to the NZ Steel Durability Statement for further Information.

TOPHAT SECTIONAL PROPERTIES

Tophat Section	Thickness	Area	Mass per unit Length	Second Moment Area (Full)		Centre of Gravity	Section Modulus (Full)		Radius of Gyration		Shear Centre	Torsion Constant	Warping Constant	Mono Symmetry Constant
				lx	ly		zx	zy	rx	ry				
	t(BMT) mm	mm ²	kg/m	10 ⁶ mm ⁴	10 ⁶ mm ⁴	yc mm	10 ³ mm ³	10 ³ mm ³	rx mm	ry mm	ye mm	J mm ⁴	Iw 109mm ⁶	βx mm
60 Tophat 0.75 BMT	0.75	150	1.18	0.078	0.119	31.7	2.45	2.20	22.8	28.1	44.2	28.2	16.05	110
60 Tophat 0.95 BMT	0.95	190	1.50	0.098	0.151	31.7	3.09	2.78	22.8	28.1	44.2	57.3	20.33	110
100 Tophat 0.75 BMT	0.75	248	1.93	0.338	0.439	55.2	6.3	5.39	37.1	42.2	67.4	46.5	238.61	158
100 Tophat 0.95 BMT	0.95	314	2.45	0.428	0.556	55.2	7.75	6.83	37.0	42.2	67.4	94.5	302.24	158
120 Tophat 0.75 BMT	0.75	278	2.17	0.527	0.519	65.6	8.03	6.13	43.7	43.3	82.3	52.1	363.31	184
120 Tophat 0.95 BMT	0.95	352	2.75	0.667	0.657	65.6	10.16	7.76	43.6	43.3	82.3	105.9	460.20	184
150 Tophat 0.95 BMT	0.95	410	3.21	1.16	0.878	81.1	14.30	9.60	53.3	46.3	103.9	123.5	758.37	225
150 Tophat 1.15 BMT	1.15	497	3.88	1.40	1.06	81.1	17.30	11.62	53.2	46.3	103.9	219.1	918.02	225

TYPICAL TOPHAT PURLIN SPANS (MM)

	Purlin Spacings (mm)	Region 1						Region 2					
		Urban		Rural		Secondary Use		Urban		Rural		Secondary Use	
		Simple	Lapped	Simple	Lapped	Simple	Lapped	Simple	Lapped	Simple	Lapped	Simple	Lapped
60 Tophat 0.75 BMT	1200	2200	2800	2000	2600	2600	3200	2100	2700	1900	2500	2500	3200
	1800	1800	2400	1700	2300	2100	2700	1800	2300	1700	2200	1900	2500
60 Tophat 0.95 BMT	1200	2300	3000	2200	2900	2700	3600	2300	3100	2100	2700	2700	3600
	1800	2000	2700	1900	2500	2400	3100	2000	2600	1800	2400	2300	2900
100 Tophat 0.75 BMT	1200	3600	4600	3200	4200	3600	5400	3400	4400	3000	4000	3400	4800
	1800	3200	4000	3000	3700	3800	4600	3000	3800	2800	3600	3600	4000
100 Tophat 0.95 BMT	1200	4000	5000	3700	4700	4300	5400	3800	4800	3600	4500	4000	5800
	1800	3500	4400	3200	4100	3600	5000	3400	4200	2900	4000	3400	4800
120 Tophat 0.75 BMT	1200	4300	5400	4000	5000	5100	6000	4200	5200	3900	4800	4900	5800
	1800	3400	4800	3000	4400	3400	5300	3200	4500	2800	4200	3200	4900
120 Tophat 0.95 BMT	1200	4800	6000	4400	5600	5100	6300	4600	5600	4200	5400	4800	6200
	1800	4200	5200	3800	4900	5000	5800	4000	5000	3700	4600	4400	5600
150 Tophat 0.95 BMT	1200	5600	7000	5000	6600	5600	8000	5200	6800	4800	6400	5200	7800
	1800	4600	6200	4100	5800	4600	6800	4200	6000	3900	5500	4200	6600
150 Tophat 1.15 BMT	1200	5100	7700	5700	7200	7000	8000	5800	7400	5200	6900	6200	8000
	1800	5000	6800	4800	6300	5000	7800	5000	6500	4600	5500	5000	6800



HANDLING AND STORAGE

Tophat Purlins must be kept dry during storage as water present between close stacked sections will cause premature corrosion. If they become wet, they should be separated and stacked openly to allow for ventilation to dry the surface.

CUTTING

Cutting is preferably done by shear or hacksaw. When using abrasive disc blades care must be taken to ensure the swarf produced does not affect other materials and the burred edge should be cleaned off at the completion of cutting.

