

2.3.13 DHS MATERIAL SPECIFICATION

Dimond Hi-Span Purlins are manufactured by roll forming galvanised steel coil produced to AS 1397:2001.

	Base Metal Thickness, BMT (mm)	Steel Grade	Yield Strength, f_y (MPa)	Standard Zinc Weight, Z (g/m ²)
DHS Purlins and Girts	< 1.5	G500	500	Z 275
	> 1.5	G450	450	Z 275
Tolerances	Depth	+/- 2mm		
	Width	+/- 2mm		
	Hole Centres	+/- 1.5mm		
	Length	+/- 6mm		
	Web/Flange Angle	89-93 degrees		

Z 450 zinc weight coil can be supplied with order lead times of up to 12 weeks. Please discuss with Dimond on 0800 775 777.

2.3.14 SHORT FORM SPECIFICATION – DHS PURLINS AND GIRTS

The purlin system will be Dimond DHS (1), manufactured from G450-G500 grade steel with a (2) g/m² galvanised zinc weight.

The sizes, lengths, span configuration and lap lengths (where required) are as detailed on the drawings.

All hole sizes, hole shapes and positions are as shown on the drawings.

The bracing system is to be (3). The bracing channel size is 89mm x 1.2 thick galvanised with a (2) galvanised zinc weight.

All bolts to be (4) grade, (5) diameter, (6) finish.

Choose from

- (1) 150/12, 150/15, 200/12, 200/15, 200/18, 250/13, 250/15, 250/18, 300/15, 300/18, 350/18, 400/20
- (2) Z 275 or Z 450
- (3) Fastbrace or bolted channel bracing
- (4) 4.6 or 8.8
- (5) 12mm or 16mm
- (6) Electro galvanised or hot dip galvanised.