

## DHS PURLIN SYSTEM MATERIAL SPECIFICATION

Dimond Structural DHS Purlins are manufactured by roll forming galvanised steel coil produced to AS 1397.

	Base Metal Thickness BMT (mm)	Steel Grade, G	Yield Strength $f_y$ (MPa)	Zinc Weight, Z (g/m <sup>2</sup> )
DHS Purlins and Girts	< 1.5	G500	500	275
	> 1.5	G450	450	275
Brace Channel	1.15	G250	250	450
End Cleats	2.00	G250	250	450

Z450 galvanised zinc coil can be supplied with order lead times of up to 12 weeks. Contact Dimond Structural on 0800 Dimond (0800 346 663).

### Tolerances

Length: DHS Purlins ±6mm Bracing System ±2mm  
 Depth/Width: DHS Purlins ±2mm Bracing System ±1mm  
 Holes Centres: ±1.5mm  
 Web/Flange Angle: 89–93 degrees

## DHS PURLIN SYSTEM SHORT FORM SPECIFICATION

The purlin system will be Dimond Structural DHS **(1)**, manufactured from G450–G500 grade steel with a **(2)** g/m<sup>2</sup> 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 34mm x 1.15mm BMT with a 450g/m<sup>2</sup> galvanised zinc weight.

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

- (1)** Choose from: 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)** Choose from: 275 or 450
- (3)** Choose from: Fastbrace (DHS 150 – 300 only) or Bolted Brace Channel (DHS 150 – 400)
- (4)** Choose from: 4.6 or 8.8
- (5)** Choose from: 12mm or 16mm
- (6)** Choose from: Electro galvanised or Hot Dip galvanised.