

# HANGER OPTIONS

## Options and Terminology

This information applies only to hangers manufactured by Simpson Strong-Tie and installed as per our installation instructions. Some combinations of these options on a single hanger have not been evaluated. In some cases, combinations of these options may not be installable. A qualified engineer must always evaluate each connection, including header and joist limitations, before specifying the product.

Testing is performed using a standardised hanger test method. The joist in the test set up may include a certain amount of structural stability. Header and other attached structural members are assumed fixed in actual installations. Horizontal loads, induced by sloped joists, must be resisted by other members in the structural system.

**MATERIAL:** Material thickness may vary from that specified for standard hangers configurations, depending on the manufacturing process. Generally welded hangers have one-piece stirrups; occasionally it may be necessary to create a welded stirrup from two or three pieces. Hanger configurations, height and fastener schedules may vary from the table depending on the joist size, skew and slope.

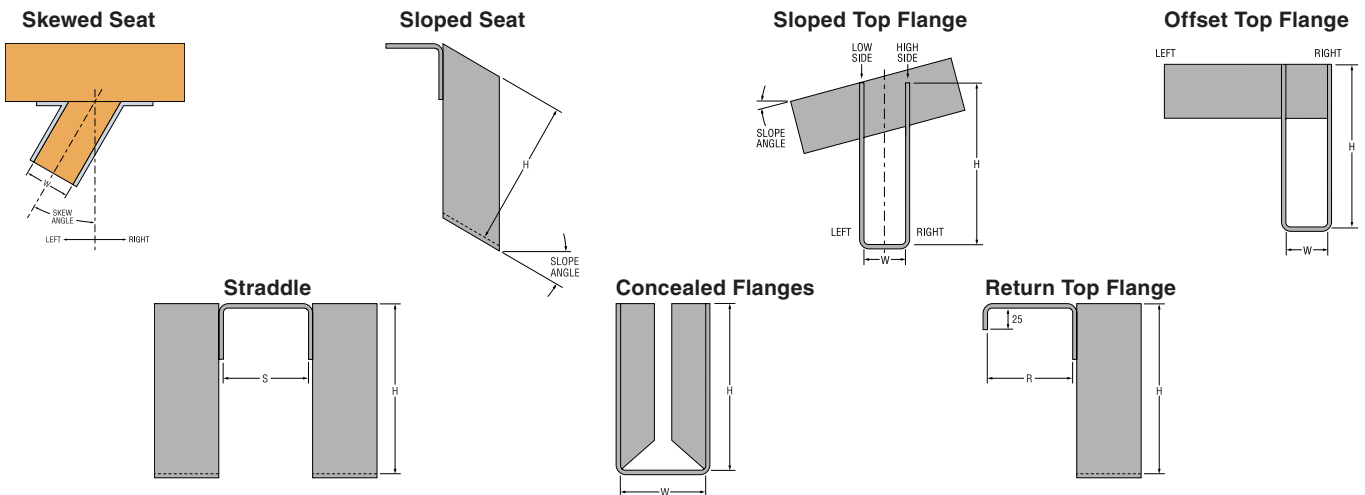
**FINISH:** See specific hanger tables. WHM specials are hot dip galvanised after manufacture. All other welded hangers can be supplied with a galvanised or powder coated finish.

**INSTALLATION:** Fastener quantities may be increased beyond the amount specified in the standard hanger table. Fill all holes with the table specified fastener type.

**WHEN PLACING AN ORDER:** Use the abbreviations below to order specials. The example shows a WPU200/45 hanger and illustrates most available options: most special hangers have only a few of these features.

<b>WPU</b>	<b>S</b>	<b>200/45</b>	<b>D30</b>	<b>SKL20</b>	<b>TFDL20</b>	<b>S=100</b>
Base Model Series		Base Model Size		SKL= Skewed Left 20°, SKR=Right		S=Straddle Width(100mm)
	S=Straddle		D=Down Seat 30°, U=UP		Top Flange Down U=Up Sear (20°)	

## Terminology - refer to the table below for limits and possible combinations.



- Skewed Seat:** Skewed left or right, on plan. Suitable for floor or roof members skewed at an angle to the support. Specify skew angle and direction.
- Sloped Seat:** Sloped up or down on plan. Suitable for roof rafters supported on ridge beam. Specify slope angle and up or down.
- Sloped Top Flange:** Top flange sloped down to the left or right. Suitable for roof member supported on main rafter. Specify slope angle to horizontal, slope down to left or right and low, centre or high side of stirrup flush with header.
- Offset Top Flange:** Stirrup is offset to right or left end of the top flange, as viewed from joist. Suitable for support of trimmer beams from end of main beam. Specify offset right or left.
- Straddle:** Two stirrups directly opposite each other. Suitable for support of joists on either side of main support beam. Specify width of support beam or wall.
- Concealed Flanges:** SAE, HU and U hangers flanges concealed. Specify both flanges or single left or right flange concealed. For SAE minimum width 100mm, for HU & U minimum width 70mm.
- Return Top Flange:** Masonry JHM & HJHM hanger. Specify return R dimension.

Model	Skewed Max. Angle	Sloped Max. Angle	Sloped Top Flange	Offset Top Flange	Return	Straddle	Concealed Flange	Combination
B/BI	45°	45°	30°					●
GLTV	50°	45°	30°	●		●		●
HJHM	-	-	-		●	●		
HU	67.5°	45°	-				●	●
JHM	45°	-	-		●	●		
LBV	45°	45°	30°					●
THG	45°	30°	-					●
TU	45°	-	-					
U	67.5°	45°	-				●	●
WHM	45°	45°	-	●	●	●		
WPU	45°	45°	-	●		●		●

1. Refer to product section for applicable load reductions due to hanger options.