

Calculate Shaft Angle from Strut Drop and Transmission Output Flange Location

Enter input values into Blue cells.

Aft face of strut to transom	16	(Inches)
Keel to trans output flange centerline	4	(Inches)

	Strut Drop (Inches)	Trans Output Flange to Transom (Inches)	Trans Output Flange to Aft End of Strut (Inches)	Trans Output Flange to Entry Point (Inches)	Shaft Entry Point to Aft End of Strut (Inches)	Shaft Entry Point to Transom (Inches)	Shaft Angle (Degrees)
Stock	7.50	61.00	45.00	15.65	29.35	45.35	14.34
	9.00		45.00	13.85	31.15	47.15	16.11
Stretched	7.50	68.00	52.00	18.09	33.91	49.91	12.47
	9.00		52.00	16.00	36.00	52.00	14.04

For a stock hull with a strut drop of 7.5" and a trans output flange at 61.0" from the transom, the shaft entry point would be at 45.35" from the transom. The shaft angle would be 14.34 degrees.

For a stretched hull with a strut drop of 7.5" and a trans output flange at 68.0" from the transom, the shaft entry point would be at 49.91" from the transom. The shaft angle would be 12.47 degrees.

[Sample Shaft Layout Diagram](#)

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08 Apr 2013 22:43

Building the Glen-L Hot Rod : <http://www.kanecustomboats.com>