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[main calculator](#) | [triplet lacing calculator](#)

### Rim Dimensions

select a rim from your bench...

Enter values manually, or [add rims](#) to your bench to select them here.

ERD

Drilling offset

### Hub Dimensions

select a hub from your bench...

Enter values manually, or [add hubs](#) to your bench to select them here.

Center-flange distance

Flange pitch circle dia

Spoke hole diameter

### Build Parameters

# Spokes

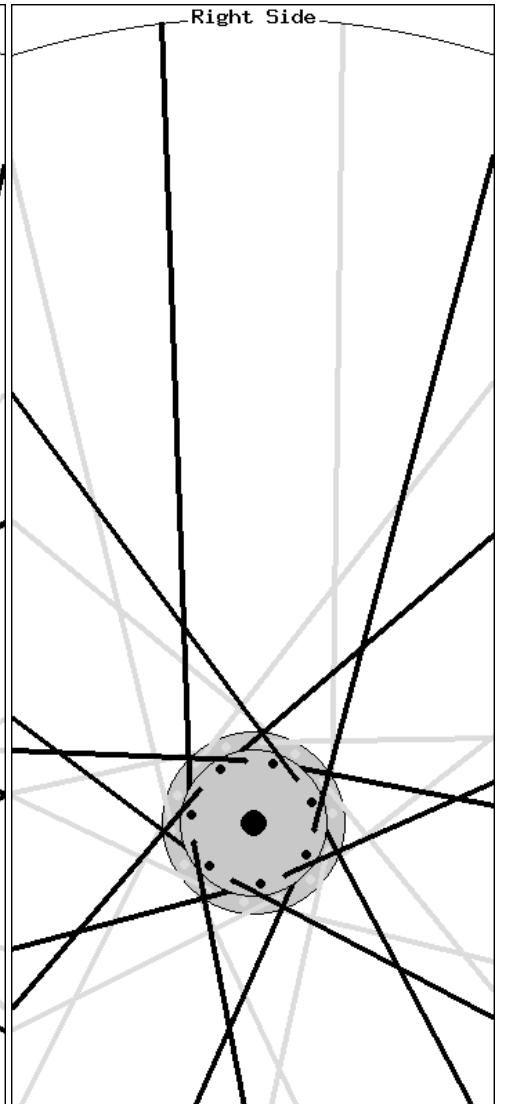
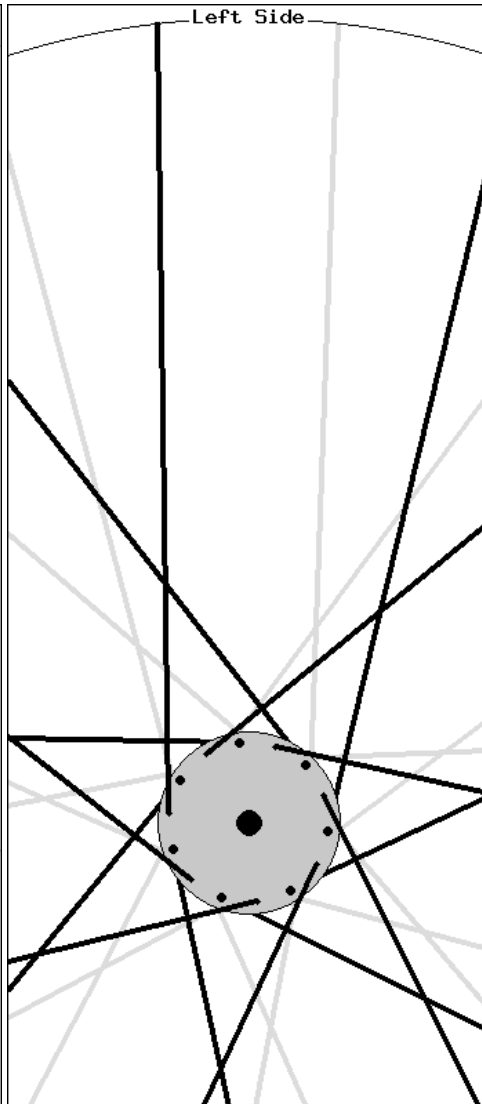
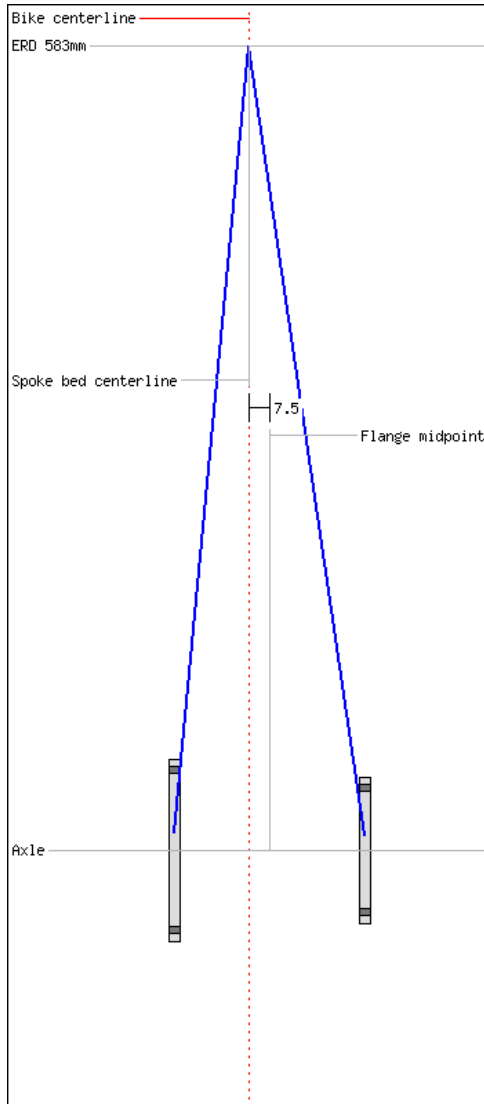
Cross pattern

Hub offset

Rim Flip

	Left	Right
Spoke length	286.4mm	289.1mm
Tension distribution	100%	64%
Spoke head clearance	1.52mm	0.74mm
Bracing angle	5.4°	8.4°
Wrap angle (at rim)	5.7°	4.4°
Total angle at rim	7.8°	9.5°
Effective tangential PCD	58.2mm	44.9mm
Flange exit angle	82.8°	81.5°
Theta angle	77.14°	77.14°

Link to this build: <https://kstoerz.com/freespoke/?link=1&e=583>



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