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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...

form populated with data for:

Industry Nine Hydra Classic Mountain 6 Bolt 148mm

Center-flange distance

Flange pitch circle dia

Spoke hole diameter

Build Parameters

Spokes

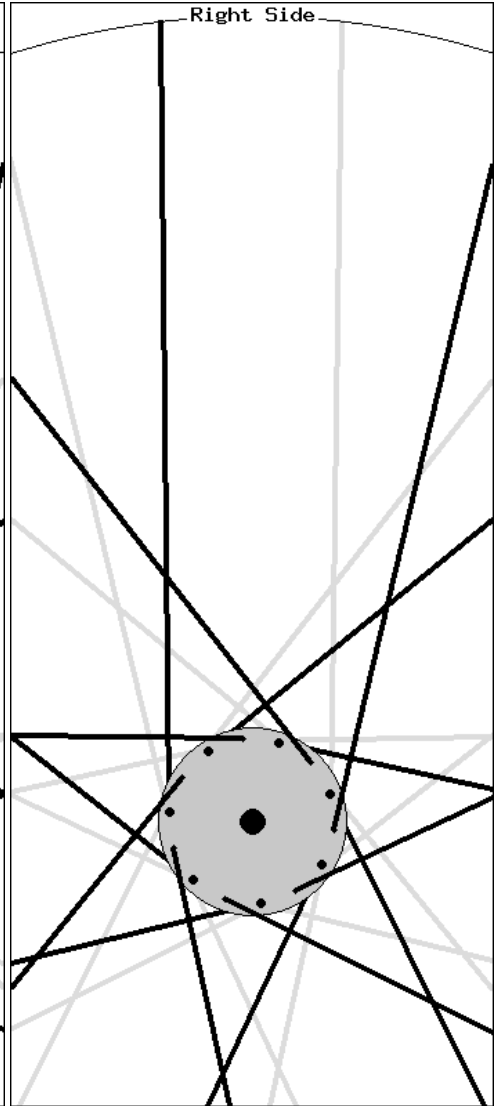
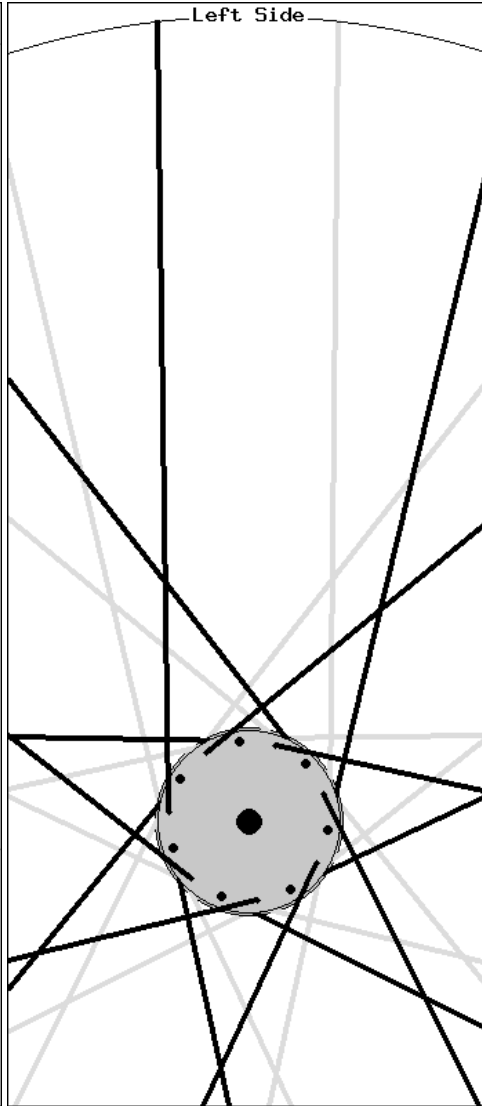
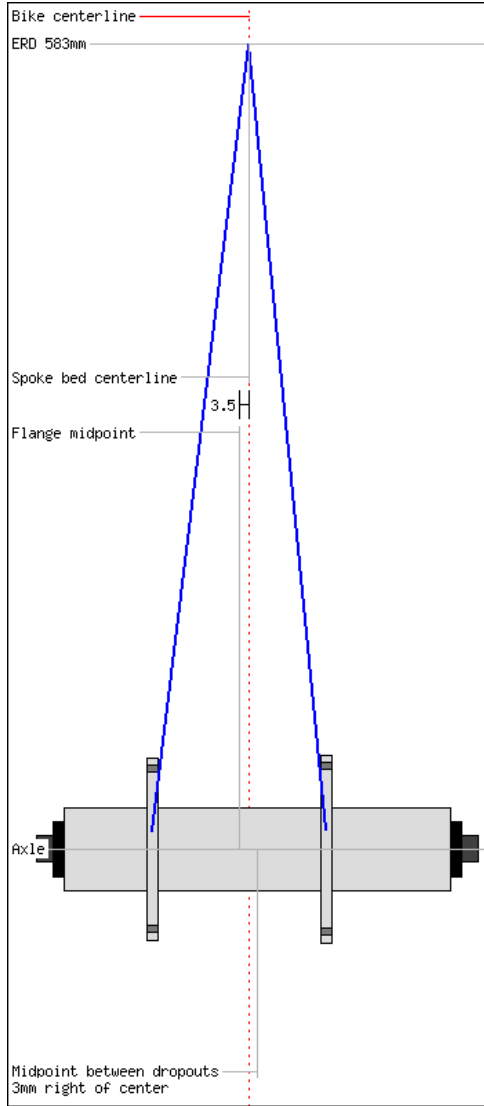
Cross pattern

Hub offset

Rim Flip

	Left	Right
Spoke length	287.3mm	286.4mm
Tension distribution	80%	100%
Spoke head clearance	1.52mm	1.63mm
Bracing angle	7°	5.6°
Wrap angle (at rim)	5.7°	5.9°
Total angle at rim	9°	8.1°
Effective tangential PCD	58.2mm	60.2mm
Flange exit angle	82.8°	83°
Theta angle	77.14°	77.14°

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



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