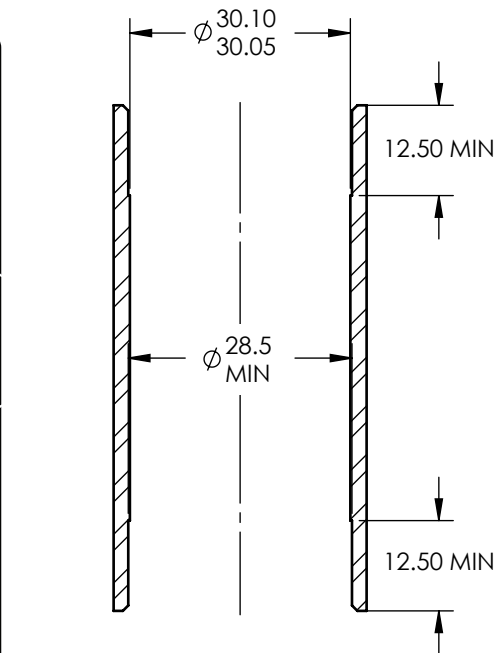
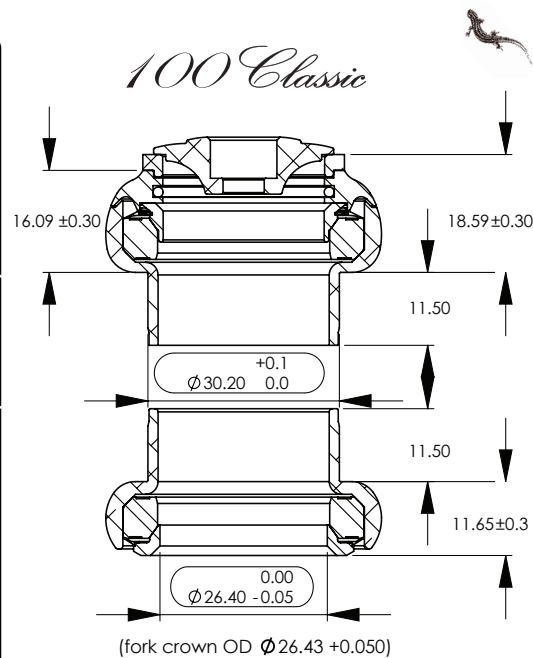


ITEM NO.	PART NUMBER	DESCRIPTION
1	.HD01308x	100 Classic - Top Spacer
2	.HD01302x	100 Classic - Top Cover
3	.HD1311P	100 Classic - Clip in compression ring
4	.HD01304	100 Classic - Compression Ring Seal
5	.HD1320K	1" Angular Contact Bearing
6	.HD01300x	100 Classic - Upper Bearing Cup
7	.HD01301x	100 Classic - Lower Bearing Cup
8	.HD1305B	1" Crown Race with Molded Seal
9	.HS0591B	O-Ring 1" x 1/16" Blue
10	.HD01317x	100 Classic Threadless Top Cap

WARRANTY

Cane Creek Cycling Components warrants its bicycle products for a period of 2 years from the original date of purchase. Any product that is found to be defective in materials or workmanship will be repaired or replaced at the discretion of Cane Creek. This warranty applies to the original owner only. This warranty does not cover damage or failure resulting from misuse, abuse, alteration, neglect, wear and tear, crash or impact, lack of maintenance or other conditions judged by Cane Creek to be abnormal, excessive, or improper. It is mandatory that a Return Authorization Number (RA#) be obtained by calling Cane Creek before any product is returned. Additionally, a dated Proof of Purchase must accompany the product when returned.



1" Traditional Head Tube Specifications



100 Classic Threadless Headset Instructions

Frame and Fork Preparation:

Use head tube reaming and facing tools to prepare the top and bottom of the frame's head tube. (Be sure to use the correct reamer diameter corresponding to the headset being installed.)

Use a crown race cutting tool to turn and face the crown race seat of the fork, again being sure to use the correct diameter tool.

Steerer Tube Length

For the safe and proper installation of a threadless headset system it is imperative that the top of the fork's steerer tube end 3mm below the top face of the stem when fully assembled. In order to achieve this it is usually necessary to cut the steerer tube. To ensure the correct steerer tube length:

1. Fully assemble the fork and headset as shown in the figure on page one.
2. Install the number of spacers you desire on top of the top cover.
3. Install your stem without tightening the clamp bolts.
4. Manually compress the fork/head-tube/stem assembly to remove as much play as possible. Tighten one of the stem's clamp bolts to hold the assembly in place.
5. Make a mark on the steerer tube at the top of the stem, you will make your cut 3mm below this mark. Disassemble headset assembly and using an appropriate guide cut the steerer tube 3mm below the mark you made earlier.
6. If the steerer must be cut without assembly the following formula may be used to calculate the steerer tube length:

$$\text{ST Length} = \text{Lower Stack Height} + \text{Head Tube Length} + \text{Upper Stack Height} + \text{Height of Spacers} + \text{Stem Clamp Height} - 3\text{mm}$$

Cutting Steerer Tube:

Cut the steerer tube using a good quality hacksaw and an appropriate guide. To ensure a clean cut always use a sharp, fine toothed hacksaw blade, and in the case of carbon fiber steerers, an abrasive blade is preferable. Be sure to file and de-burr the freshly cut edge before assembly.

Installing the Bearing Cups:

Press the upper and lower bearing cups into the head tube using a good quality headset press. It is often easier and more precise to press in one cup at a time.

The 100 headsets are equipped with drop-in bearings for easy replacement and tolerance to frame/fork misalignment. When pressing the cups into the frame the bearings should be removed. Cup installation is best done using Cane Creek headset installation tools to press directly on the bearing seats. These tools are designed to ensure the safe installation of all Cane Creek Headsets and are available through your local Cane Creek dealer.

Star Nut Installation:

Using an appropriate star nut setting tool, press the star nut, convex side first, into the steerer tube so that it rests 15mm inside the tube.

Note: Under no circumstances should a star nut be used on a fork with a carbon fiber steerer tube. On these forks the manufacturer's recommended preload device should be utilized.

Installing the Crown Race:

Press the fork crown race onto the fork with an appropriate crown race installation tool until the bottom of the race is flush with the fork crown. This should be a press fit.

Pre-loading the Headset Assembly:

With the headset fully assembled and with the stem bolts loose, tighten the headset preload bolt just until slight resistance is felt. Carefully continue tightening until all play is taken out of the headset assembly, this should require very little force. Align the stem with the front wheel and tighten the stem clamp bolts. Check for play by firmly holding the front brake and rocking the bike backwards and forwards. With the headset properly adjusted there should be no play in the assembly and the fork should rotate easily without binding.

Notes:

1. If the headset will not tighten properly check to be sure your steerer tube sits 3mm below the top of the stem or any spacers above the stem.
2. If the headset binds when tight be sure that the preload bolt is not too tight. If binding occurs while the headset is still loose check the gap between the top cover and upper bearing cup. If there is interference you can insert spacer shims between the compression ring and the top cover to increase this clearance. A lack of clearance here is likely due to a steerer tube that is less than 25.25mm in diameter.
3. After an initial break-in period you may need to repeat this process.

Helpful hints on the Clip-In Compression Ring:



Fig.1 - Use one hand to push one side of split in compression ring towards center.



Compression Ring Seal Installation

- 1) Ensure seal is oriented properly (see above)
- 2) Apply light pressure until seal snaps into groove

