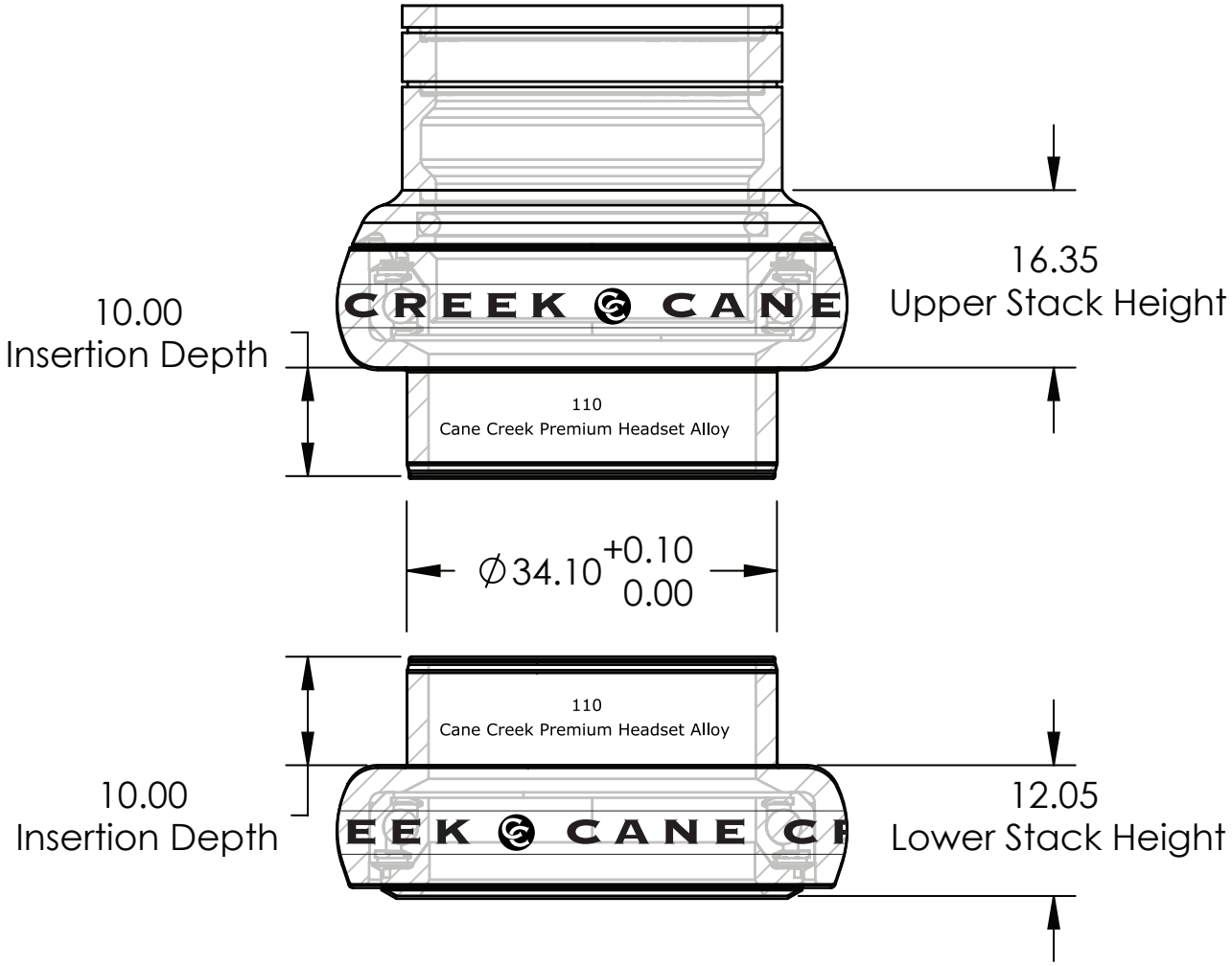
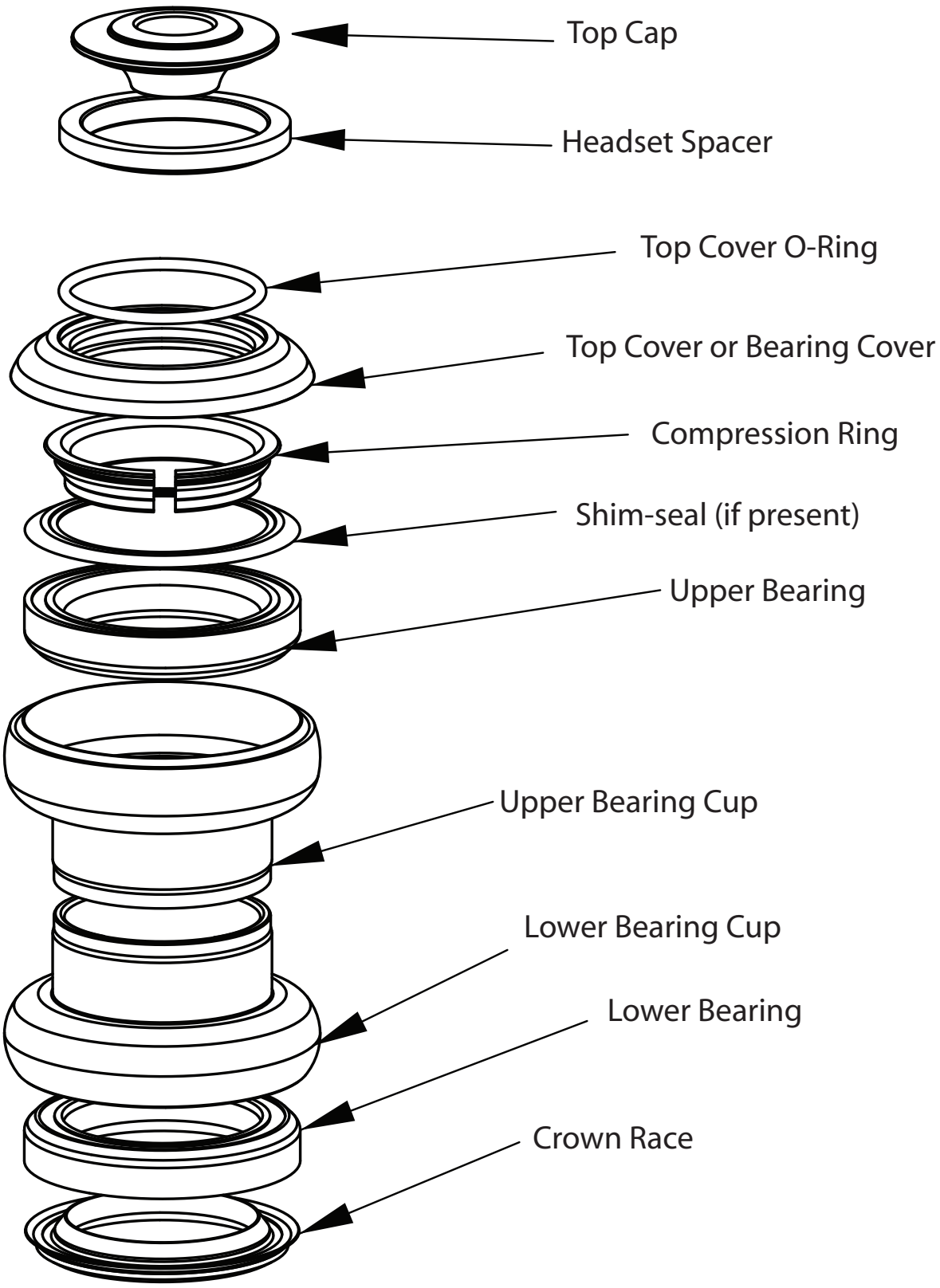
CANE CREEK

Headset Identification and Specification Guide



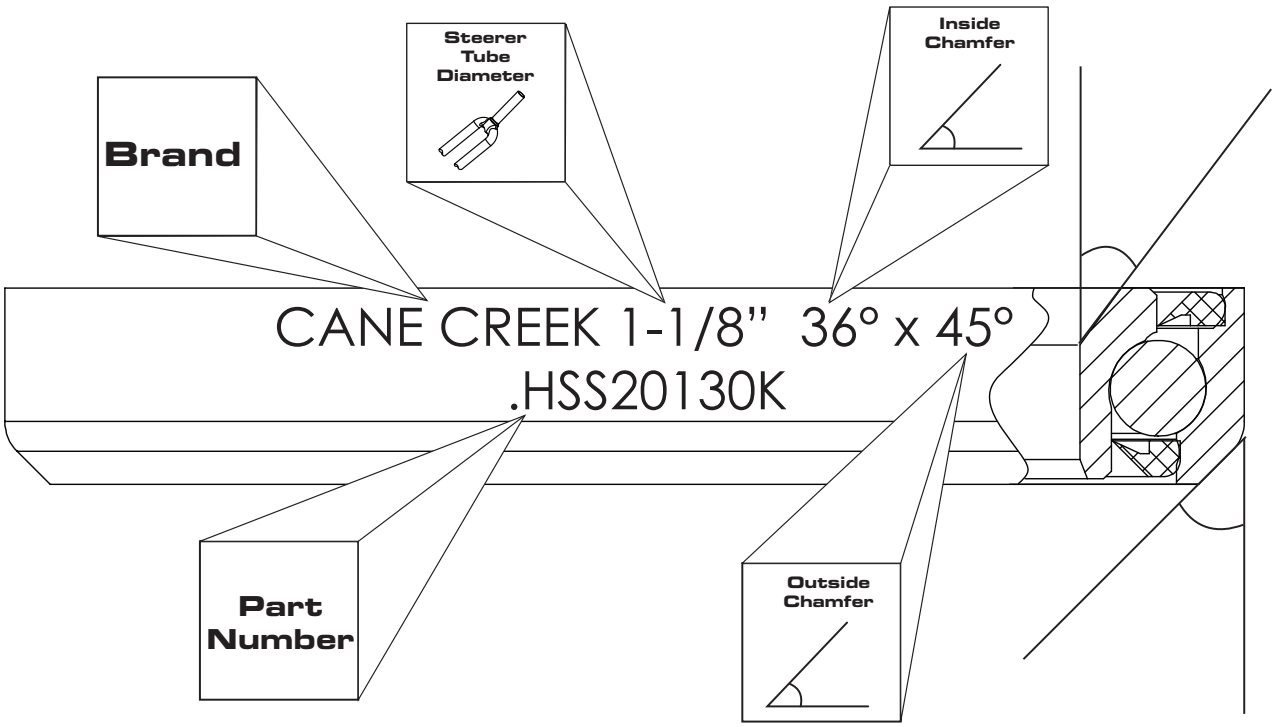
Revision F+
5/11/2010

Anatomy of a Threadless Headset



Anatomy of a Headset Bearing

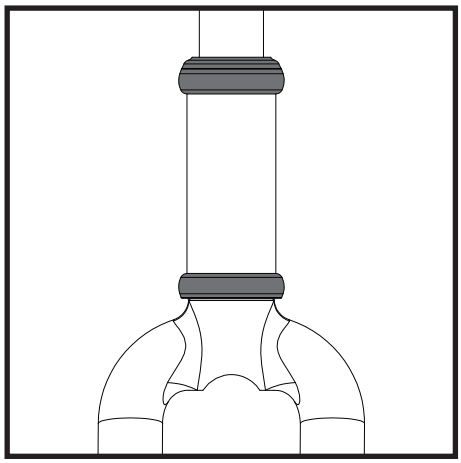
If you have the headset bearings available take a close look at them. Almost all cartridge-type bearings are labelled in some way, and most of the time these labels contain useful information that can help to positively identify the type of headset required.



Note: Bearings from different manufacturers may be interchangeable

Step 1: Identify Platform

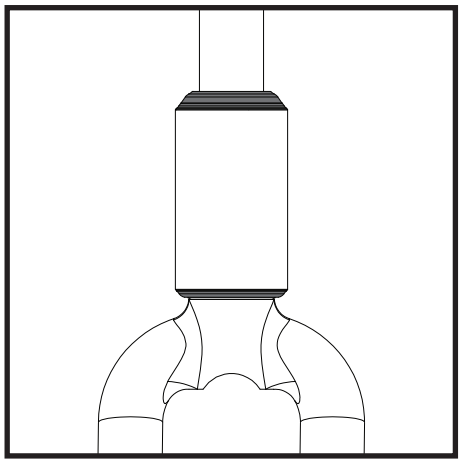
Traditional



Traditional Headsets

- Bearings sit outside of the head-tube in pressed-in cups
- This style is the most common, especially on older or more traditional bikes

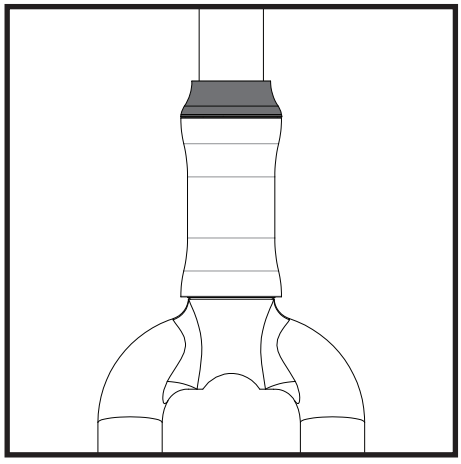
Semi-Integrated (ZeroStack™)



Semi-Integrated Headsets

- Bearings sit inside the head-tube in pressed-in, recessed cups
- Head-tubes have a larger diameter than integrated and traditional platforms
- Also known as ZeroStack™
- Head-tubes for 1-1/8” typically have an outside diameter of 50mm, 1-1/2” head-tubes are often 62mm.

Integrated

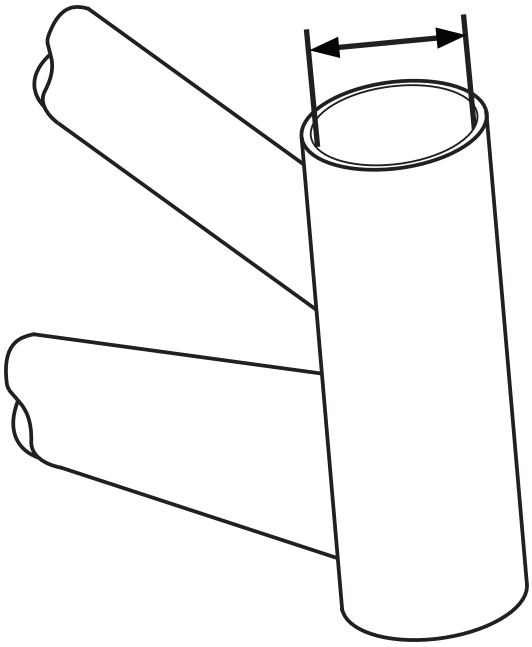


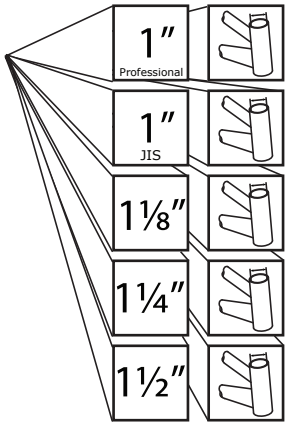
Integrated Headsets

- Bearings sit inside a specially designed head-tube with integral bearings seats
- There are no pressed in cups, however some designs utilize removable bearing seat chamfers that resemble small angled rings
- Carbon fiber and titanium frames often use bonded-in aluminum inserts that cannot be removed from the frame. This should not be confused with a semi-integrated design.

Step 2: Identify Head-Tube Interface

Traditional Headsets





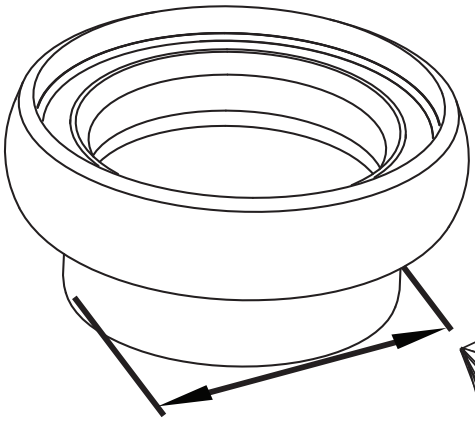
30.05 - 30.10mm

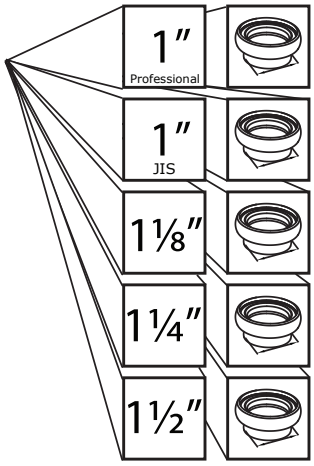
29.85 - 29.90mm

33.90 - 33.95mm

36.90 - 36.95mm

49.57 - 49.61mm





30.20 - 30.30mm

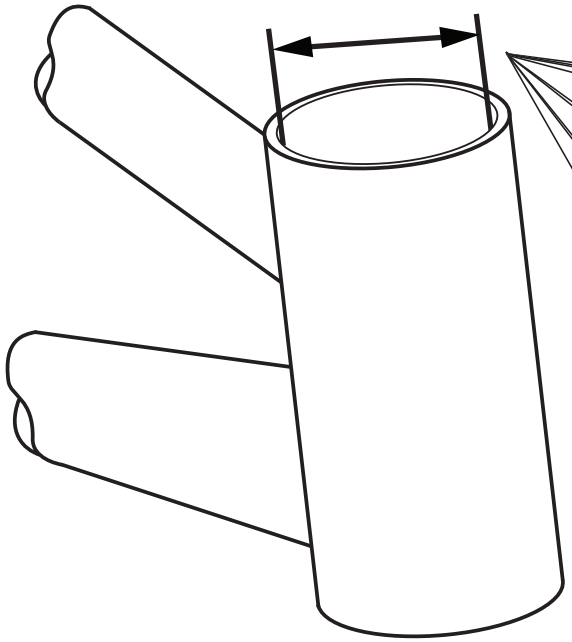
30.00 - 30.10mm

34.05 - 34.15mm

37.05 - 37.15mm

49.70 - 49.75mm

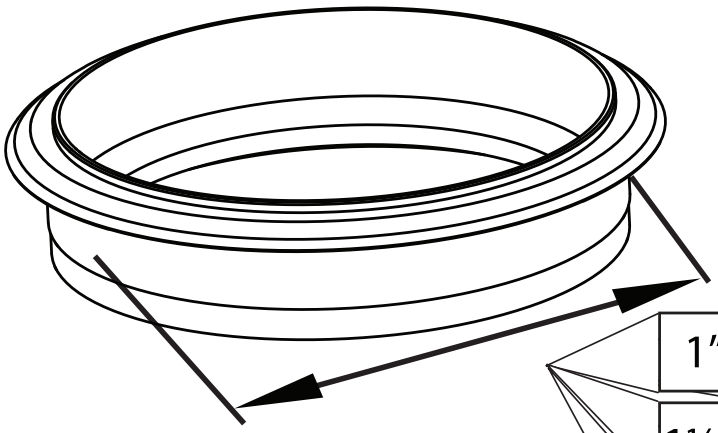
Semi-Integrated / ZeroStack™ Headsets



41.35 - 41.40mm

43.95 - 44.00mm

55.95 - 55.90mm



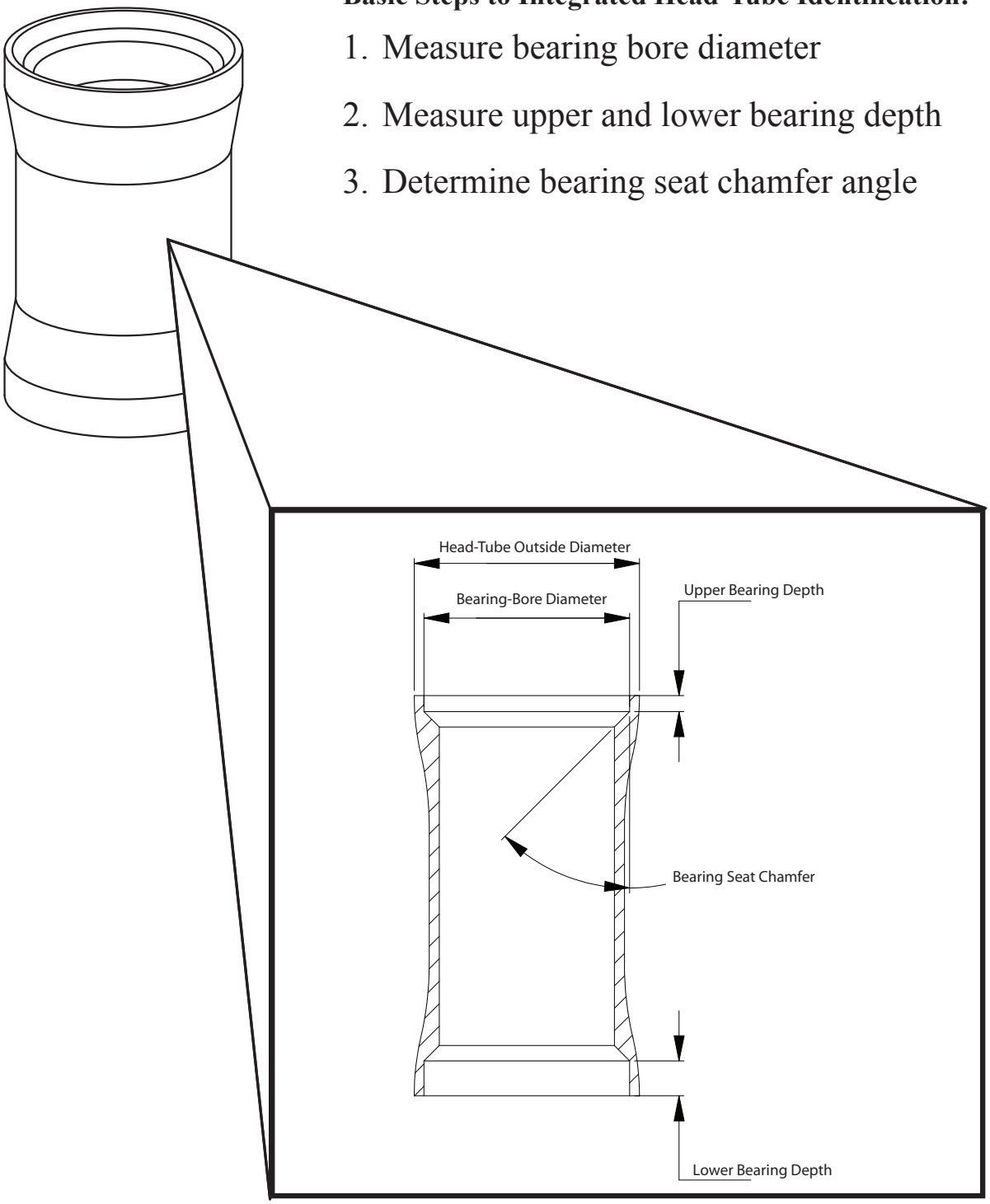
41.45 - 41.50mm

44.05 - 44.10mm

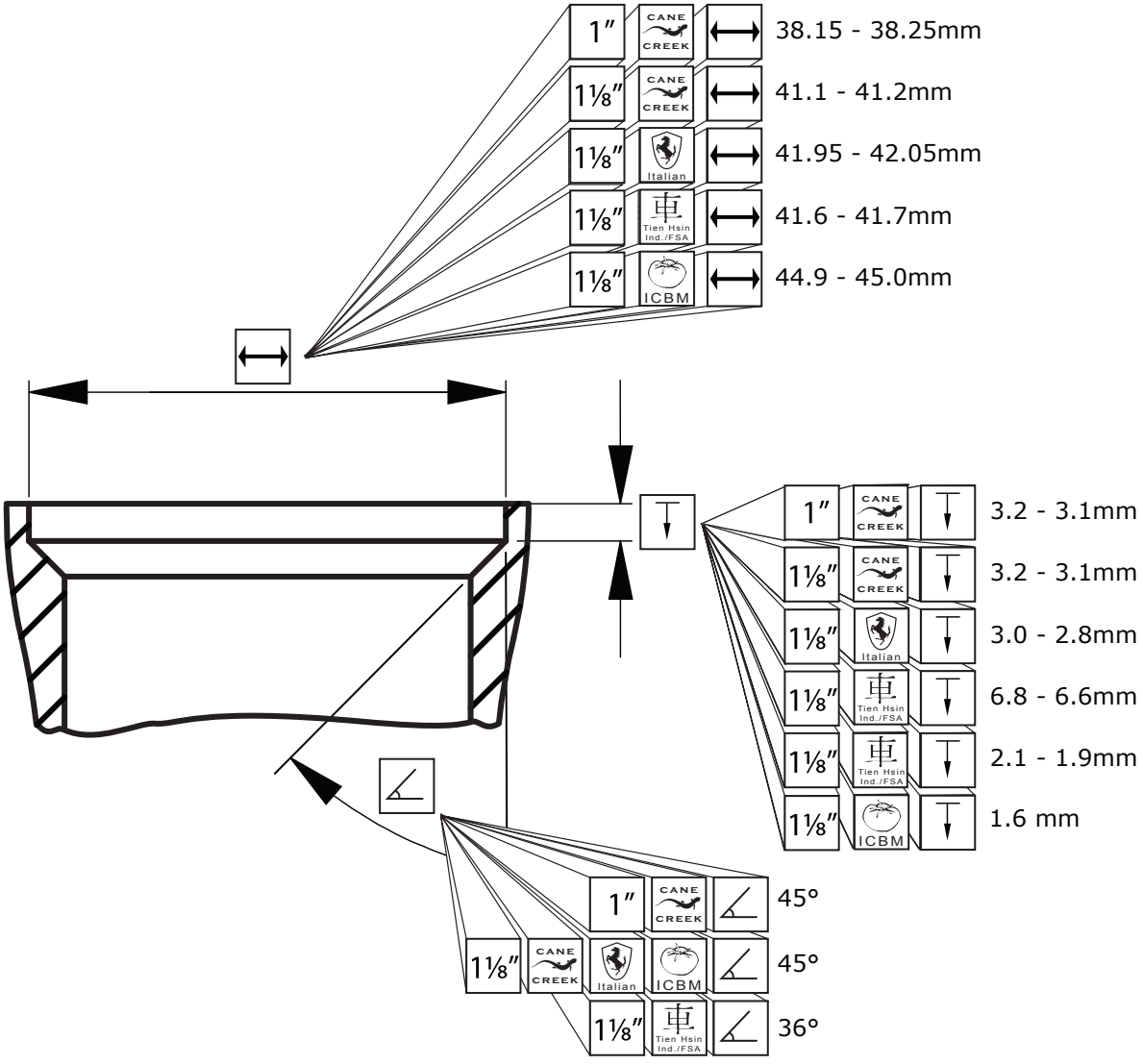
55.99 - 56.04mm

Basic Steps to Integrated Head-Tube Identification:

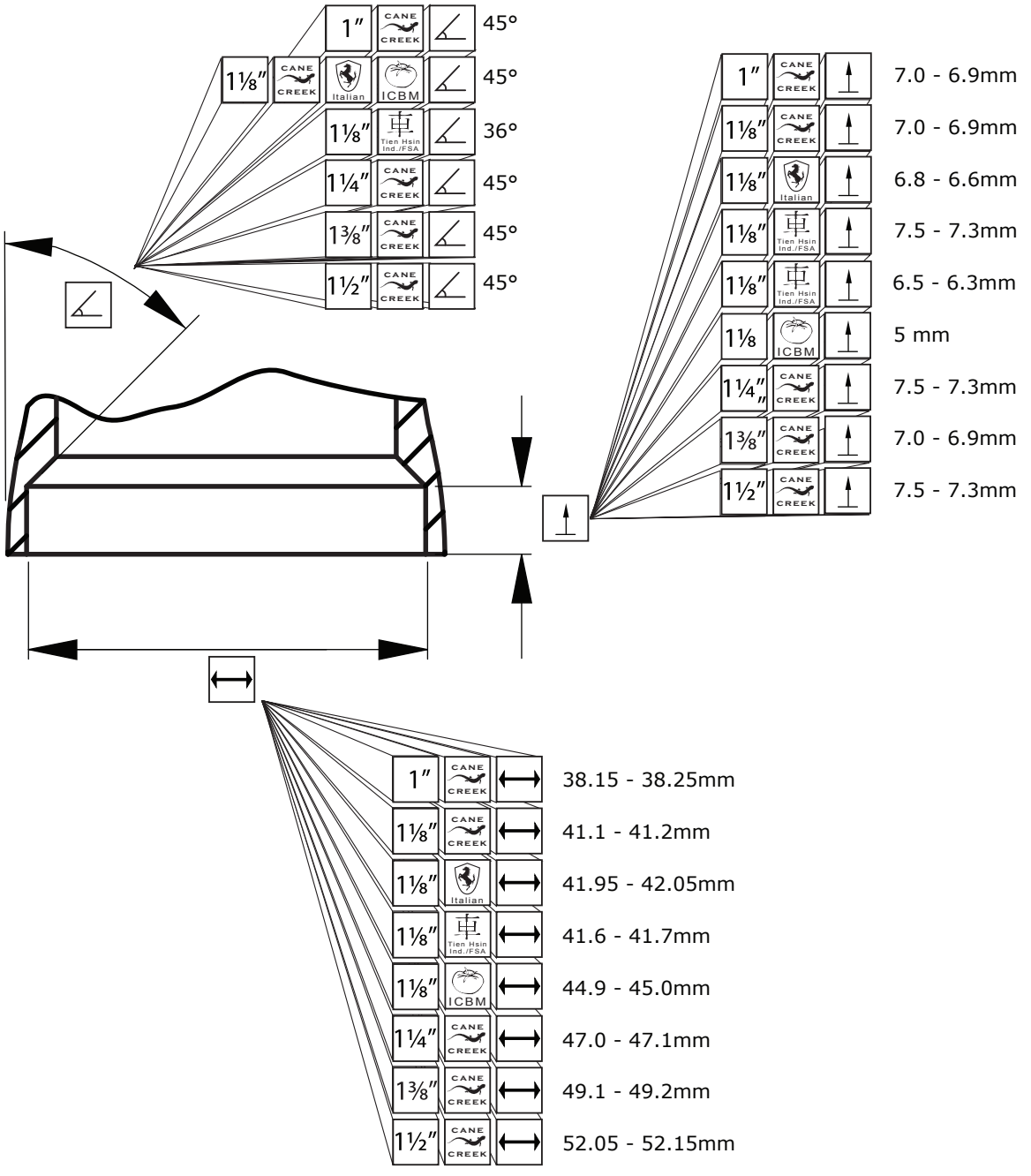
1. Measure bearing bore diameter
2. Measure upper and lower bearing depth
3. Determine bearing seat chamfer angle

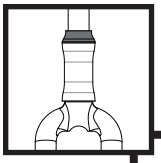


Integrated Headsets
Top Assembly



Integrated Headsets
Bottom Assembly





Integrated Headsets
Non-Standard Assemblies

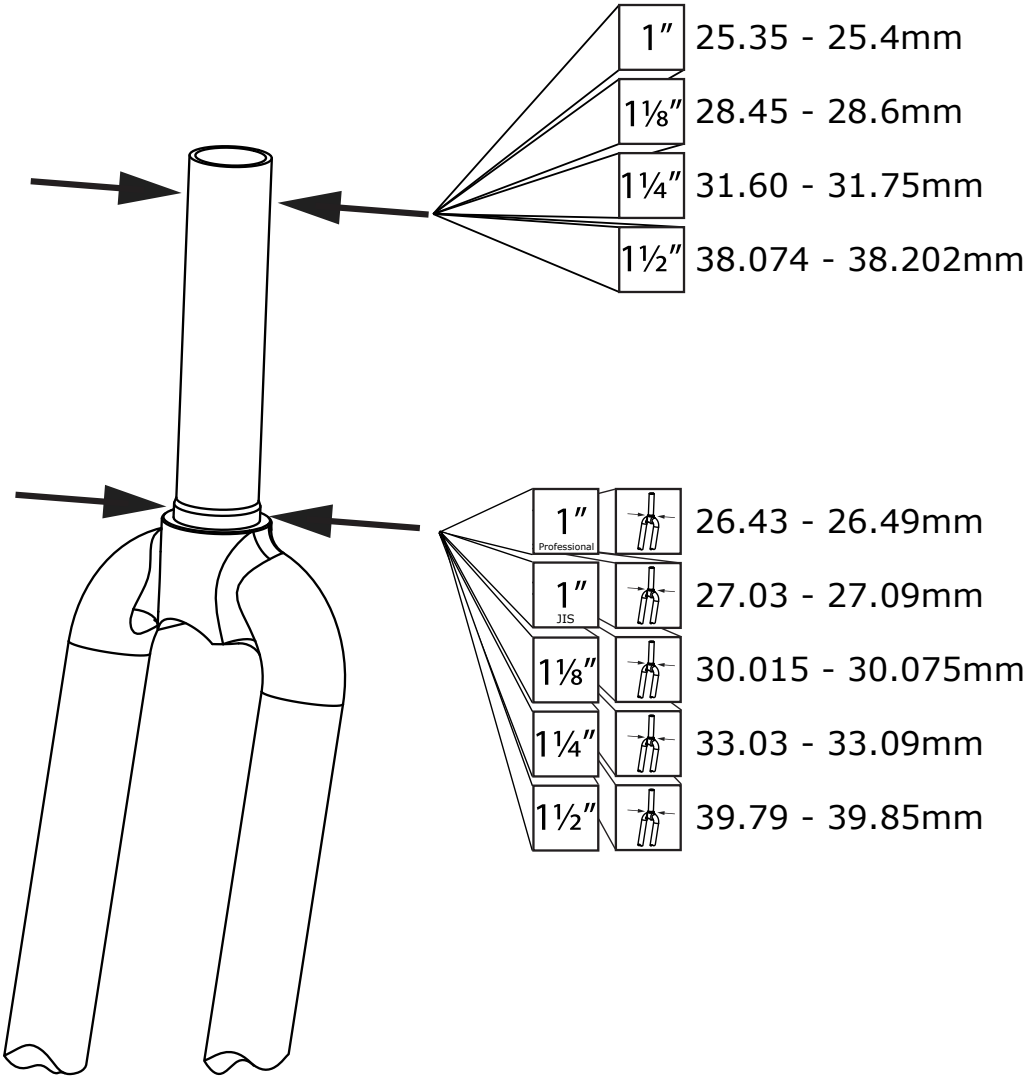
There are many integrated headsets that use some variation of the aforementioned standards. These variations often include:

- Split, slip-in rings that form the bearing seat rather than machining the seat into the head-tube
- Additional bearing seat depth to facilitate the use of different seal mechanisms
- Completely proprietary bearings

If you encounter such a unique bearing system it is best to contact the frame manufacturer to determine the appropriate replacement.

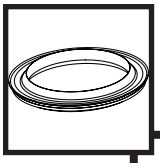
Step 3: Identify Fork Interface

Constant-Diameter Steerer Tubes

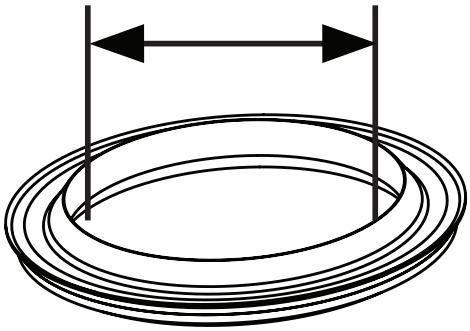


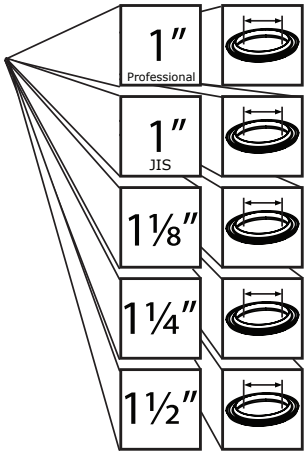
Tapered Steerer Tubes

- Tapered steerers most often utilize standard sizes and configurations listed above
- Upper assemblies are most often 1-1/8” but some 1” uppers have been made
- Lower assemblies may conform to 1-1/4”, 1-3/8”, or 1-1/2” standards but many manufacturers use proprietary assemblies which makes identification and replacement more difficult.



Traditional Crown-Race





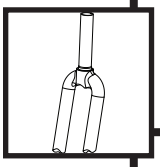
26.35 - 26.40mm

26.95 - 27.00mm

29.93 - 29.98mm

32.95 - 33.00mm

39.71 - 39.76mm



Integrated Crown-Race

Some forks have bearing chamfers molded into the fork crown itself, these forks do not use a traditional pressed-on crown race. These forks are inteded for use with Integrated head-tubes and headsets and are usually constructed of carbon fiber. Many forks with integrated crown races are proprietary designs, however some are designed to work with one of the existing integrated standard headsets. To identify the required headset it is necessary to know the steerer-tube diameter and bearing seat chamfer angle.

- Forks with 36° chamfers are likely to be Cane Creek IS compatible
- Forks with 45° chamfers could be Campagnolo Hiddenset® compatible but are equally likely to be proprietary designs
- It is best to use the head-tube to identify the correct integrated standard