

### HEADSET ANATOMY

As you might have worked out by now, headsets are a bit of a minefield! Integrated, integral, reducers, dimensions and types all contribute to confusing the situation. Don't panic! Hopefully this booklet will help you through choosing the right headset for your bike.

A couple of things to remember though - we don't necessarily do a headset to fit your bike! We have 4 'off the shelf' combinations and a further 18 'Pick n Mix' options. There are other styles, types and fittings out there. The thing to remember is that you need accurate dimensions if you are at all unsure of what type you need.

The second point to remember is that unfortunately there is no 'standard' - OK, we have the dimension 1 1/8", which covers the majority of headsets now, but as far as Integral, integrated etc... these are simply terms used by different manufacturers to determine what they consider that style to be. Measure, check and measure again!

One thing that is common throughout our range is the quality of materials used to manufacture them, here in our Barnoldswick Factory, the quality of the custom made stainless steel bearings and the time taken to hand assemble each and every one before it leaves, on it's way to you!



### 11/8" (1A) assembly

All headsets are built in this order. If in doubt, call the Technical line on +44 (0) 1282 818413 for help.



### HOPE OFF THE SHELF HEADSETS

Our **traditional** headset is made to fit standard frames and 1 1/8" fork steerers. They include custom made stainless steel bearings (which are replaceable). The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.

The **integral** headset is made to fit low stack 1 1/8" frames (please check drawings for exact sizing). They include custom made stainless steel bearings (which are replaceable). The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.

The **integrated** headset is made to fit in 1 1/8" frames where the bearings fit directly into the frame. They include custom made stainless steel bearings (which are

Integral headset

replaceable). The taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.

The **tapered** headset is designed to fit frames which are sized to accept integral 1 1/8" top cup and 1.5" integral bottom cups, where the fork steerer has a 1.5 crown and a 1 1/8" top.

It is also possible to fit a standard 1 1/8" steerer using an additional conversion crown. The headsets include custom made stainless steel bearings (which are replaceable). The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.

All off the shelf headsets come complete with the Hed Doctor. Sealing is achieved through an adjustable taper ring cover and integrated rubber seal. The bearings also incorporate their own sealing, and being made from stainless steel to resist corrosion - a real advantage over a conventional steel bearing.

Traditional headset

Tapered headset

Integrated headset

## COMPATIBLE HEAD TUBE TYPES

S.H.I.S.: EC44/40

1.5" Traditional

höpe =

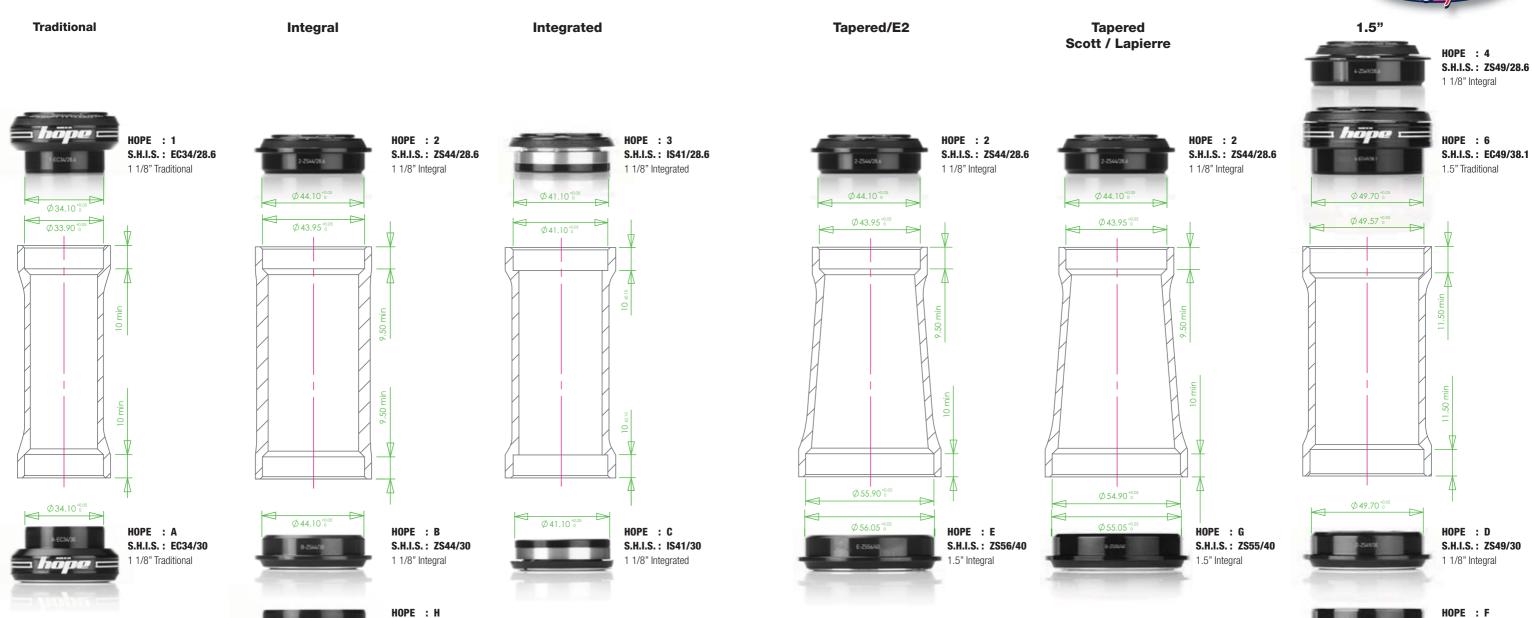


S.H.I.S.: EC49/40

1.5" Traditional

HOPE : HS136

1 1/8" to 1.5" lower steerer crown converter



# Standardized Headset Identification System [S.H.I.S.]

#### **EXAMPLE:**

#### **Upper headset description**

Green characters describe the general style of headset

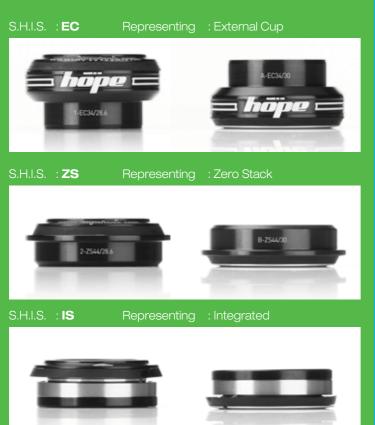
type (note these can be different for upper and lower)

Upper Upper Stem Clamp
Headset Type Headtube Bore Diameter



#### Lower headset description

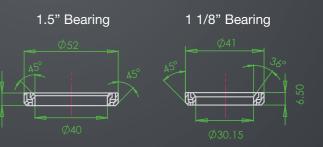
Blue characters describe the headtube bore (2 digits)



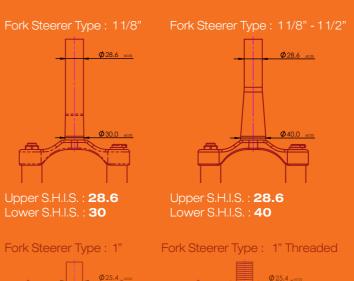
S.H.I.S. [mm]	Iraditional
30 : 30,0 34 : 34,0 37 : 37,1 44 : 44,0 49 : 49,65	
S.H.I.S. [mm]	Integral
44 : 44,0 49 : 49,65 55 : 55,0 56 : 56,0	
S.H.I.S. [mm]	Integrated
41 : 41,0 42 : 41,8 47 : 47,0 49 : 49,0 52 : 52,0	

UPPER		LOWER	
S.H.I.S.	HOPE REF	S.H.I.S.	HOPE REF
EC34/28.6	1	EC34/30	A
ZS44/28.6	2	ZS44/30	В
IS41/28.6	3	IS41/30	С
ZS49/28.6	4	ZS49/30	D
ZS56/38.1	5	ZS56/40	E
EC49/38.1	6	EC49/40	F
		ZS55/40	G
		EC44/40	н

## BEARING DIMENSIONS



Orange characters describe the fork steerer, these codes have different values for upper and lower due to the step on steerers (2.1 digits for the upper, 2 for the lower)



Upper S.H.I.S.: **25.4** 

Lower S.H.I.S. : 27



