



HEADSET TECHNICAL GUIDE

hope

HEADSET ANATOMY

As you might have worked out by now, headsets are a bit of a minefield. It's easy to get confused and worried, and it's easy to 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 is, we can't make them all. We can only make what we are at all unsure of what type you need.

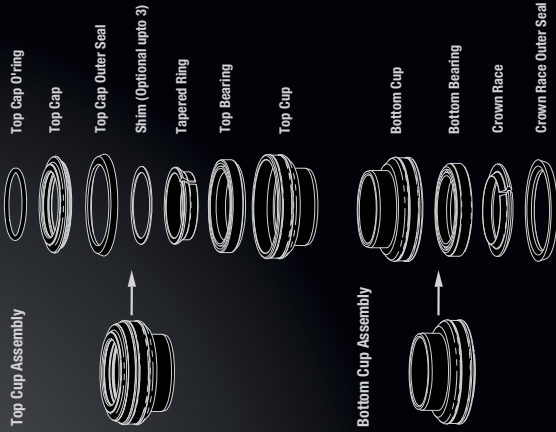
The second point to remember is that unfortunately there is no 'standard' - OK, we have the dimension 1 1/8", which is integrated etc... These are simply terms used by different manufacturers to determine what they consider that style to be. Measure, check and measure again!

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 its way to you!



1 1/8" (1A) assembly

All headsets are built in this order. If in doubt, call the technical line on +44 (0) 1282 616413 for help.



HOPE OFF THE SHELF HEADSETS

Our **traditional** headset is made to fit 1 1/8" frames and 1 1/8" steerers. They are available in three styles (which are all replaceable). The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.



Traditional headset

Tapered headset

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 and 1 1/8" steerers. They are available in three styles (which are all 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 and 1 1/8" steerers. They are available in three styles (which are all replaceable). The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.



Integral headset

The **tapered** headset is designed to fit frames which have an adjustable taper ring (which is split for easy installation and removal) and 1 1/8" steerers. The cups, taper ring and crown race (which is split for easy installation and removal) are all machined from 2014 T6 aluminium.

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

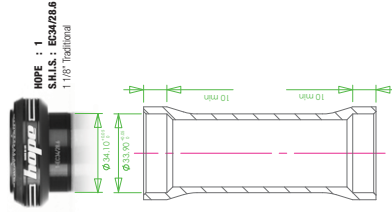
All off the shelf headsets come complete with the Hed Doctor. Sealing is achieved through an adjustable taper ring cover and integrated rubber seal. The bearings also incorporate their own stainless steel to resist corrosion - a real advantage over a conventional steel bearing.



Integrated headset

COMPATIBLE HEAD TUBE TYPES

Traditional

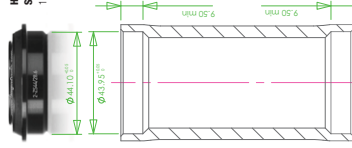


HOPE : 1
S.H.I.S. : EC34/28.6
1 1/8" Traditional

HOPE : A
S.H.I.S. : EC34/30
11/87 Traditional



Integral



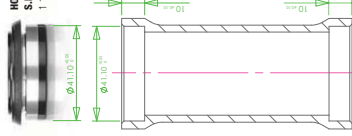
HOPE : 2
S.H.I.S.: ZS44/28.6
1 1/8" Integral

HOPE : B
S.H.I.S.: ZS44/30
1.1/8" Integral



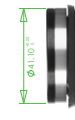
HOPE : H
S.H.I.S.: EC44/40
1 1/2" Traditional

Integrated

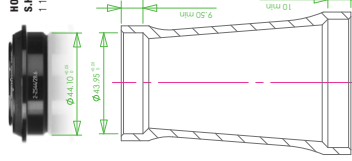


HOPE : 3
S.H.J.S.: IS41/28.6
1 1/8" Integrated

HOPE : C
S.H.J.S.: IS41/30
1 1/8" Integrated

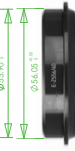


Tapered/E2

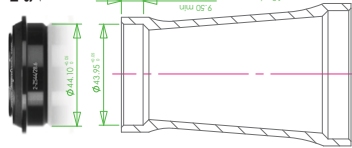


HOPE : 2
S.H.I.S. : ZS44/28.6
1 1/8" Integral

HOPE : E
S.H.I.S.: ZS56/40
1.5" Integral

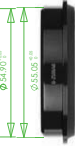


**Tapered
Scott / Lapierre**



HOPE : 2
S.H.J.S.: ZS44/28.6
1 1/8" Integral

HOPE : G
S.H.I.S.: ZS55/40
1.5" Integral



HOPE : HS136
1 1/8" to 1.5" lower steerer crown converter

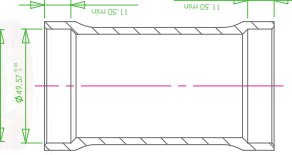
1.5"



HOPE : 4
S.H.I.S.: ZS49/28.6
1 1/8" Integral



HOPE : 6
S.H.I.S.: EC49/38.1
1.5* Traditional



HOPE : D
S.H.I.S.: ZS49/30
1 1/8" [Integral]



HOPE : F
S.H.I.S.: EC49/40
1.5" Traditional



EXAMPLE:

Upper headset description		Stem Clamp Diameter
Upper Headset Type	Upper Headset Bore	

ZS55 / 40

Green characters describe the general style of headset type (note these can be different for upper and lower)

SHS: IS

EXAMPLE:

Upper headset description		Stem Clamp Diameter
Headset Type	Upper	Upper Headtube Bore

ZS55 / 40

Green characters describe the general style of headset type (note these can be different for upper and lower)

SHS: IS

EXAMPLE:

Upper headset description		Stem Clamp Diameter
Headset Type	Upper	Upper Headtube Bore

SHS: IS

EXAMPLE:

Upper headset description		Stem Clamp Diameter
Headset Type	Upper	Upper Headtube Bore

SHS: IS

FACTORY



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