





LES JEUX DE DIRECTION





BOOK page 127



QUEL EST SON ROLE ?

Il permet de solidariser la fourche / GUIDON

au cadre

Il assure la rotation de la fourche / GUIDON

Vocabulaire de base :

Le poste de pilotage :

Le GUIDON se compose du :



cintre :







La potence :









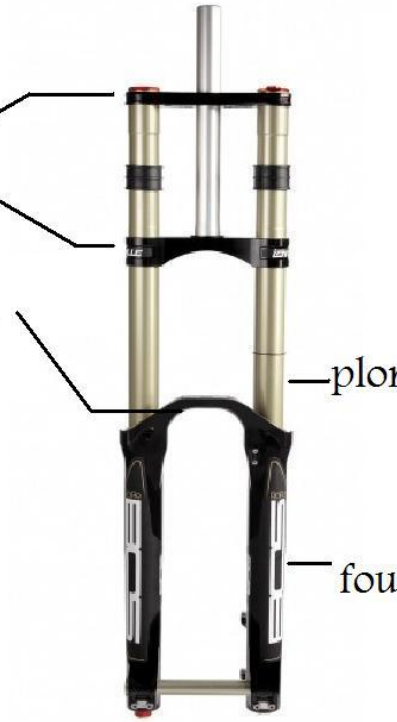
La FOURCHE :



RIGIDE



SUSPENDUE simple té



SUSPENDUE double té



SUSPENDUE inversée





Le PIVOT :

- pivot fileté

- pivot lisse

- pivot conique

  “tapered“



- diamètres : 1“ - 1.1/8“ - 1.1/4“ - 1.1/2“

  1,5

Diam. En mm 25.4 28.6 31.8 38.1

Les deux types de jeux :

Standard vissé

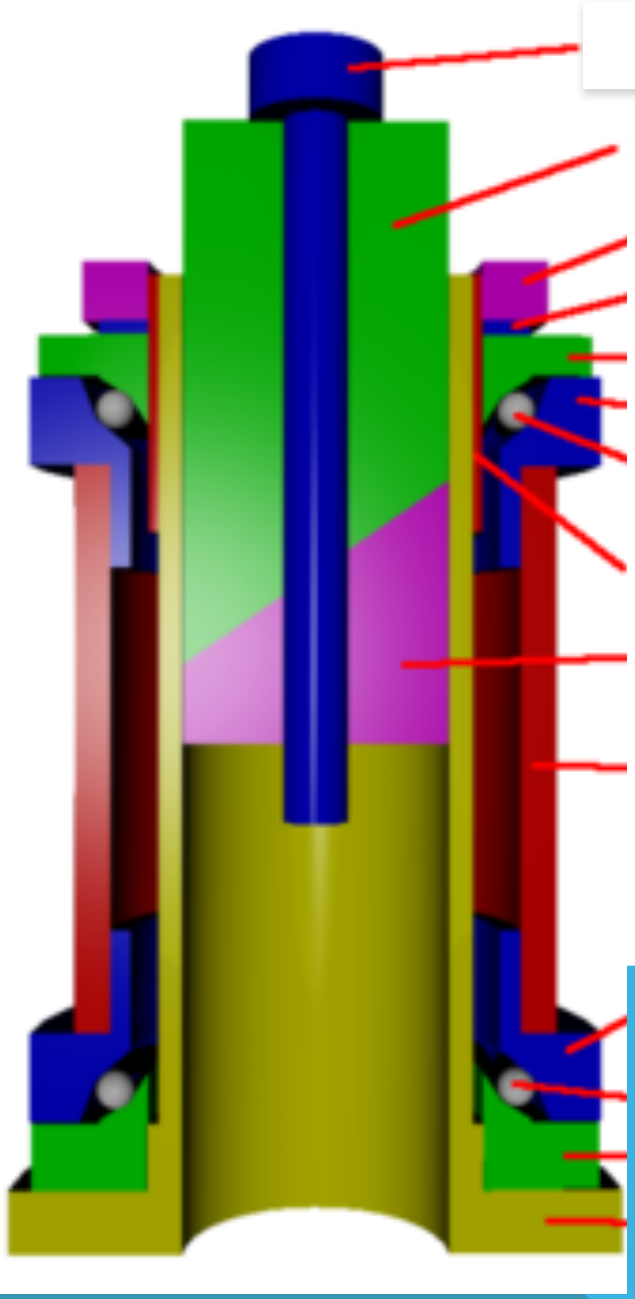


Ahead-set



TYPE de FILETAGE Diamètre et pas	Dimensions du filetage Diamètre intérieur de la douille de direction du cadre	Diamètre de l'épaulement à la base du pivot de la fourche	Diamètre intérieur du tube de fourche
ISO 1,1/4" fileté	1,250 x 26 filets par pouce		
(31,75mm x environ 0,98mm)	37mm	33mm	28,6mm
ISO 1,1/8" fileté	1,125" x 26 filets par pouce		
(28,575mm x environ 0,98mm)	34mm	30mm	25,4mm
FRANCAIS renforçé pour TANDEM	28mm x 1mm		22mm
ANGLAIS ISO 1"	1" x 24 filets par pouce		
(25,4mm x environ 1,06mm)	30,2mm	26,4mm	
(parfois 27mm)	22,2mm		
JIS	1 x 24 filets par pouce		
(25,4mm x environ 1,06mm)	30mm	27mm	22,2mm
(parfois 21,2mm)			
Français	25mm x 1mm	30,2mm	22mm
(25mm x 1mm)	30,2mm	26,4	

STANDARD VISE



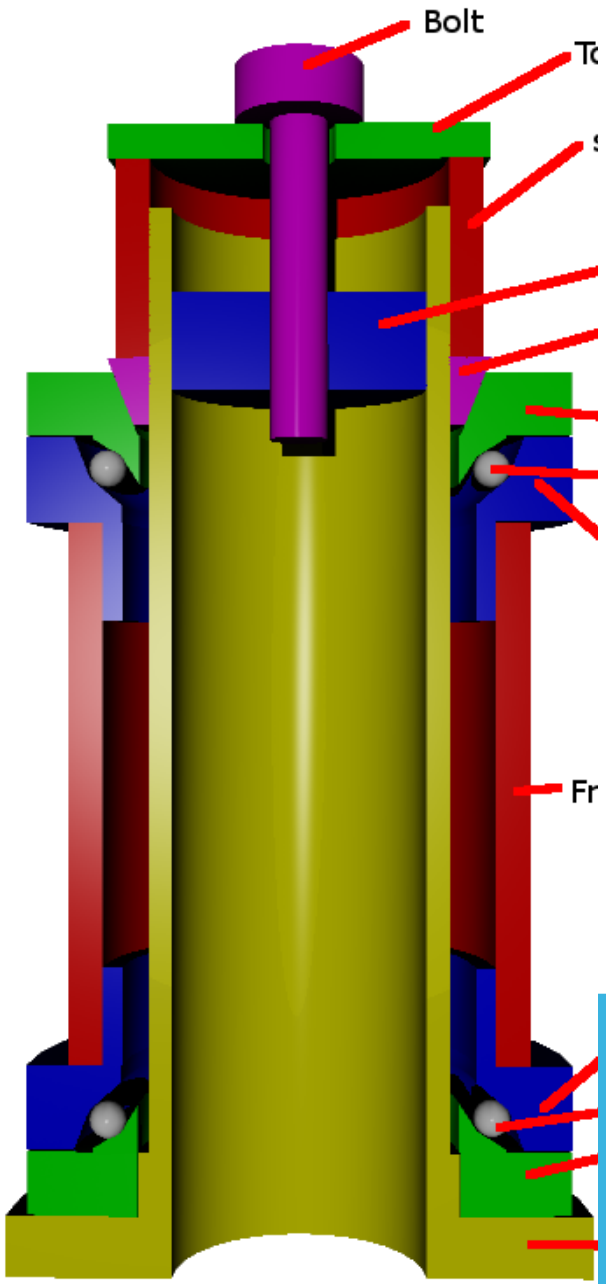



KING
KING

adaptateurs



AHEADSET




fente pour le
tournevis

Les potences :

- **Potence à plongeur**



- **Potence à bride**

  ou tampon tangent



Les étoiles :





Les expandeurs :





Les Entretoise pour jeu ahead-set :





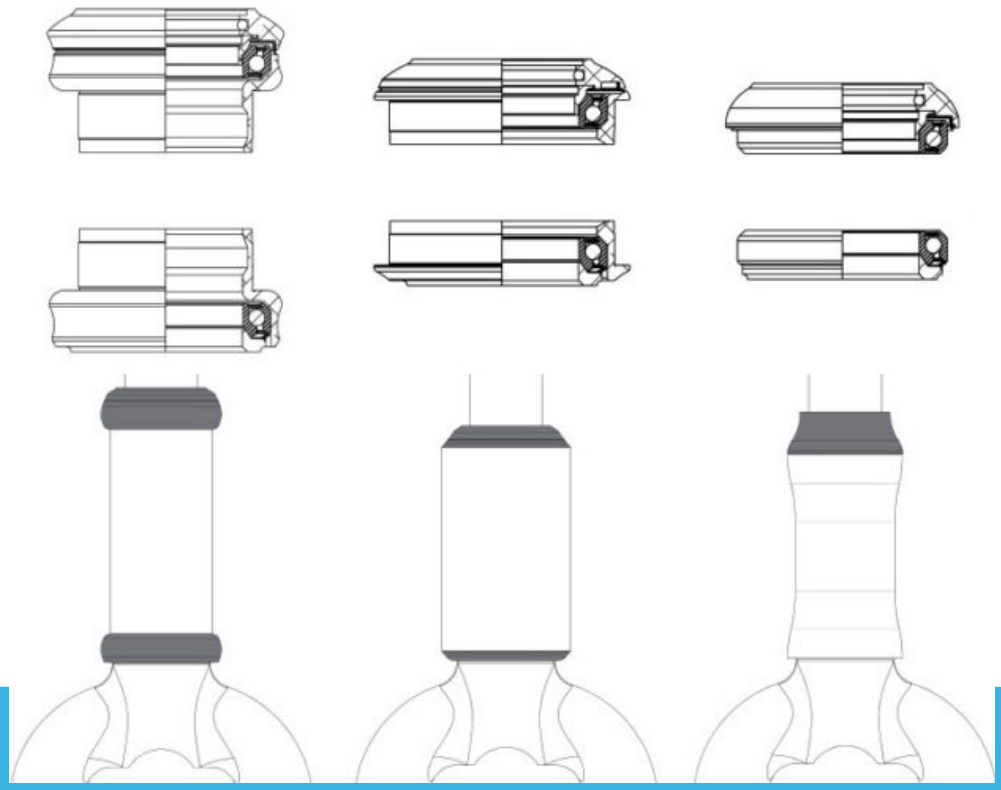




DIMENSIONNEMENT des douilles et deS jeux DE DIRECTION :

En pouce :

1“	**25,4mm**
1 1/8“	**28,6mm**
Standard campagnolo 1/125 **1 1/4“**	**31,8mm**
1 1/2“	38,1 mm



LES GRANDS STANDARDS **DES DIAMETRES DE LA DOUILLE** DIRECTION

30

33,8

36,8

41,4

44

49,6

55,9

Différents types :

EC : **E**xternal **C**up





ZS : **Z**ero **S**tack

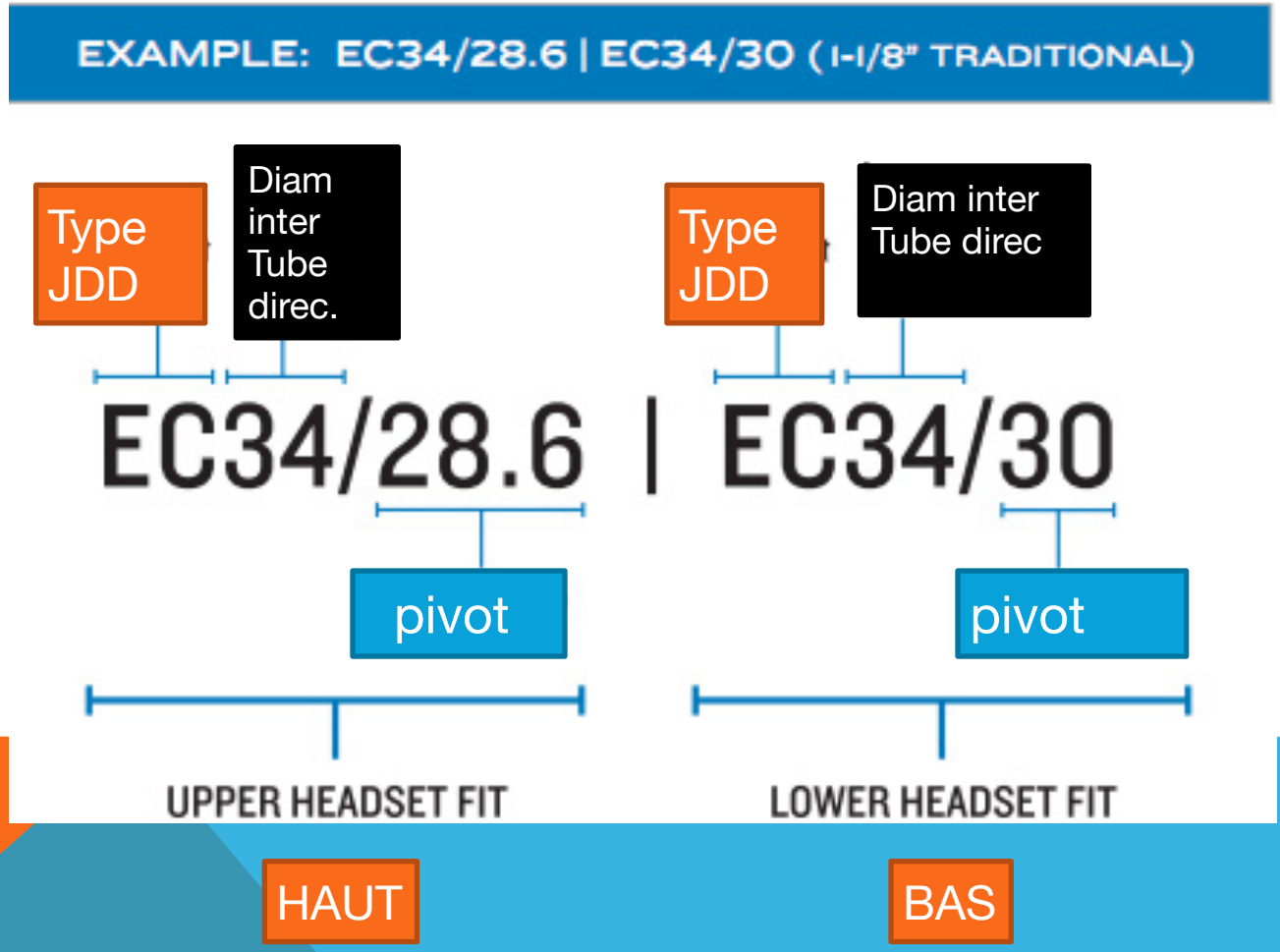


IS : **I**n **S**et





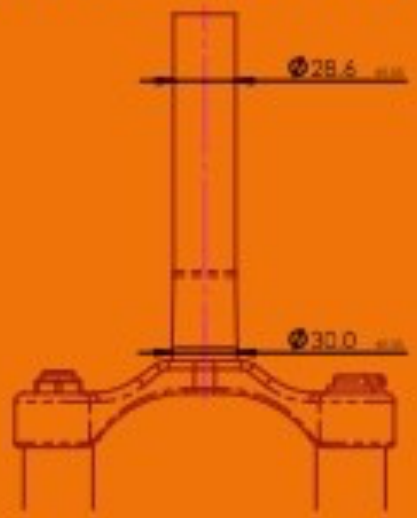
Le S.H.I.S (Standardized Headset Identification System) :



Type de jeu de direction:			
S.H.I.S. [sens]	EC [coupelles externes]	ZS [Zero Stack]	IS [Intégrés]
Diamètre de douille de direction:			
S.H.I.S. [mm]	EC30 ; EC34 ; EC37 ; EC49 [30,0 ; 34,0 ; 37,1 ; 49,65]	ZS44 ; ZS49 ; ZS55 ; ZS56 [44,0 ; 49,65 ; 55,0 ; 56,0]	IS41 ; IS42 ; IS47 ; IS49 ; IS52 [41,0 ; 41,8 ; 47,0 ; 49,0 ; 52,0]
Type de fourche:			

	1“	1“ fileté	1 1/8“	1 1/4“	1.5“	conique 1 1/8“ - 1 1/4“	conique 1 1/8“ - 1.5“
S.H.I.S. haut	25.4	25.4-24tpi	28.6	31.7	38.1	28.6	28.6
S.H.I.S. bas	27	27	30	33	40	33	40

Fork Steerer Type : 1 1/8"



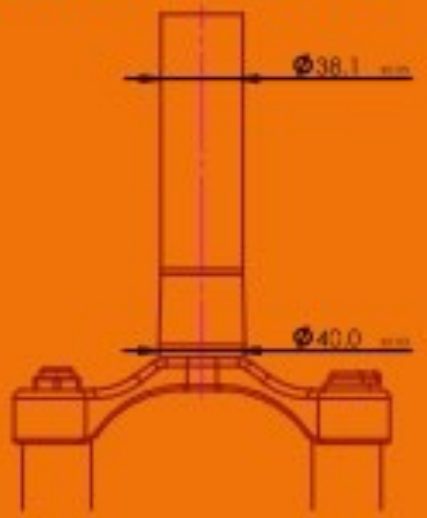
Upper S.H.I.S. : **28.6**
Lower S.H.I.S. : **30**

Fork Steerer Type : 1 1/8" - 1 1/2"



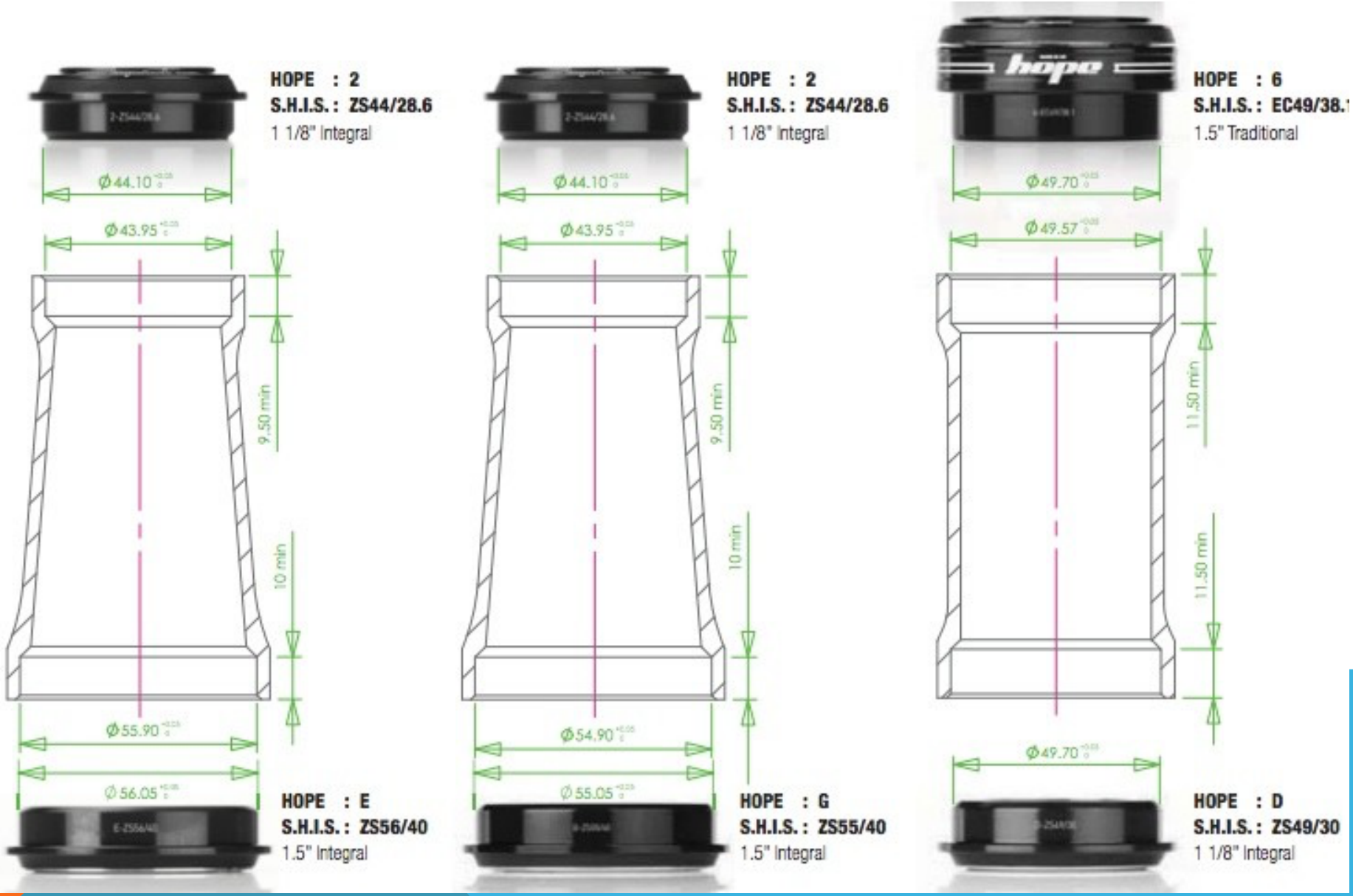
Upper S.H.I.S. : **28.6**
Lower S.H.I.S. : **40**

Fork Steerer Type : 1 1/2"



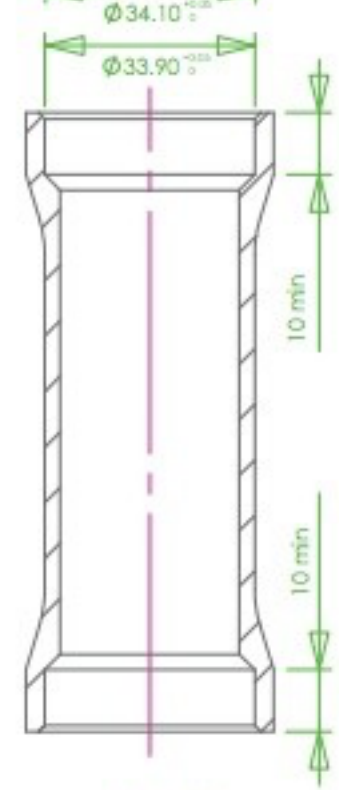
Upper S.H.I.S. : **38.1**
Lower S.H.I.S. : **40**

QUELQUES S.H.I.S



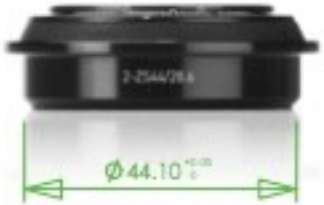


HOPE : 1
S.H.I.S. : EC34/28.6
1 1/8" Traditional

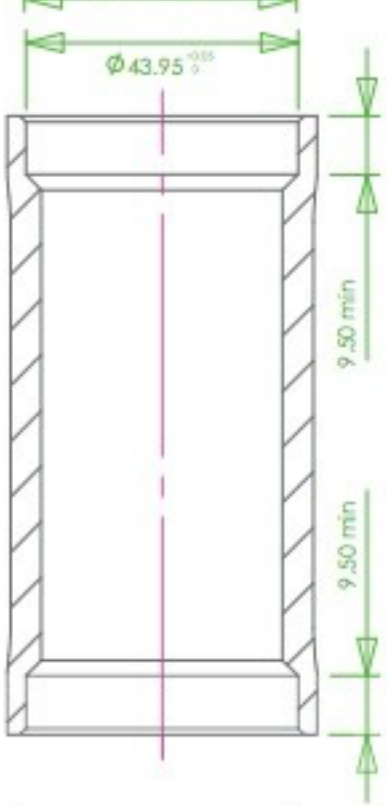




HOPE : A
S.H.I.S. : EC34/30
1 1/8" Traditional

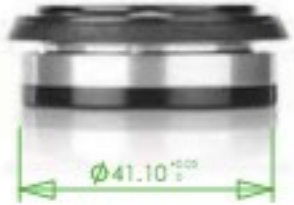


HOPE : 2
S.H.I.S. : ZS44/28.6
1 1/8" Integral

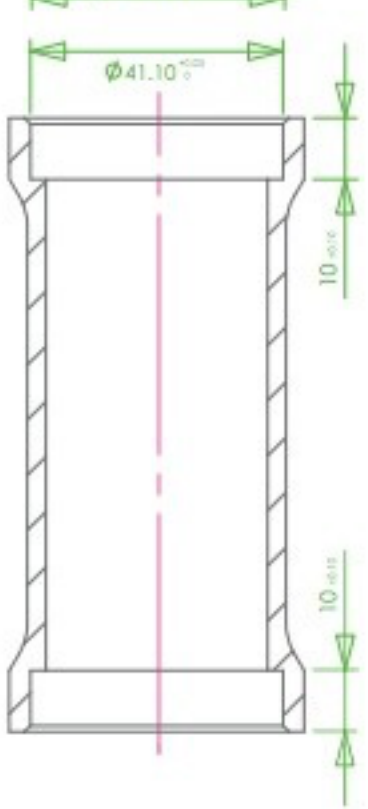




HOPE : B
S.H.I.S. : ZS44/30
1 1/8" Integral



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





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

Les roulements :

- **A billes ou cages de billes**



- **Annulaires**

Chris King en 1976
Mais courant en 2000



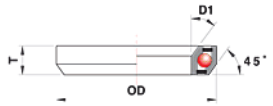
- **À aiguilles**



Angulation des roulements :

45° Angular Contact Bearings

Compatible with Cane Creek®





TH 873
TH 373

TH873 (1-1/ 8") NO.23CCACB		TH373 (1")	
D1	36°	D1	36°
OD	41mm	OD	38mm
T	6.5mm	T	6.5mm

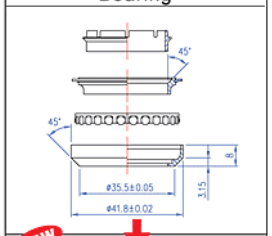


TH 873S
TH 373S
Stainless Steel

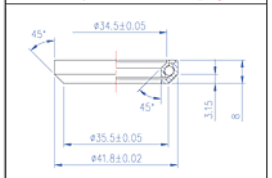
TH873S (Stainless Steel/Gray seal)



Campagnolo Hiddenset Bearing



NEW
ACB compatible with Campagnolo



TH-870 (Yellow seal)

Compatible with Campagnolo®



ENGLISH :
Upgrade for Campagnolo Hiddenset. Our bearing is a true angular contact bearing featuring double seals and the finest triple ground Chrome steel races.

ITALIAN:
COMPATIBILE CON LE DIMENSIONI DELLE SERIE STERZO CAMPAGNOLO, MA CON UN CUSCINETTO A CONTATTO MICRO ANGOLARE, CON MIGLIORI CARATTERISTICHE.

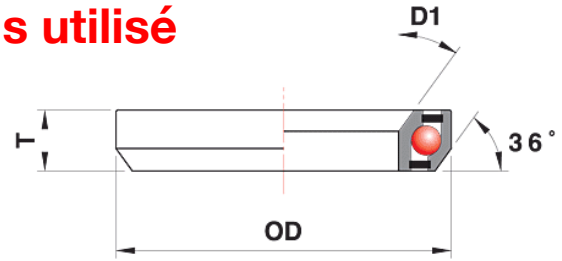
GERMAN:
Tuning für Campagnolo Hiddenset Steuersatz: Unser Kugellager ist ein echtes Angular Contact Bearing (Schrägschulterlager) mit doppelter Dichtung und extra-fein (= dreifach) geschliffenen Chromstahl-Konen.

FRENCH:
COMPATIBLE AVEC LE JEUX DE DIRECTION CAMP AGNOLO, MA AVEC UN ROULMENT DE QUALITE' SUPERIEUR, CETTE A DIRE AVEC UN ROULENT A CONTACT MICRO ANGULAIRE.

TH870 (one size)	
D1	45°
OD	41.8mm
T	8mm

36° Angular Contact Bearings

Plus utilisé



Material:

- Bearing races are ground smooth using a three step precision cnc machining process.
- TH Industries uses SUJ2 (AISI 52100) Chrome steel and Stainless steel for all Angular Contact Bearings.
- Chrome steel is the most popular material used to make ball bearings due to the increased strength and durability of this high grade steel. TH Industries uses chrome steel ball bearings in all of it's headset bearings.



TH 871
TH 371

OVERSIZED	TH871 (1-1/8")		TH371 (1")	
	D1	36°	D1	36°
	OD	44mm	OD	41.5mm
	T	8mm	T	8mm

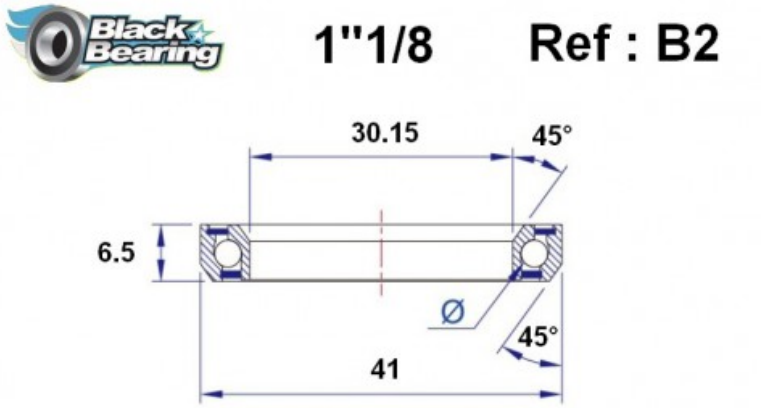


TH 872
TH 372

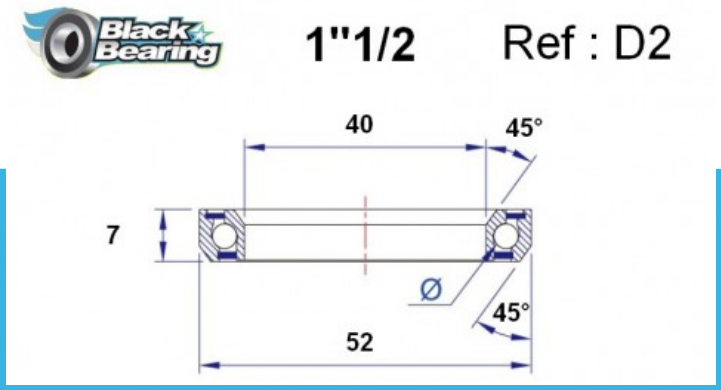
MICRO	TH872 (1-1/8")		TH372 (1")	
	D1	36°	D1	36°
	OD	41.5mm	OD	38.5mm
	T	6.5mm	T	6.5mm

Des roulements :

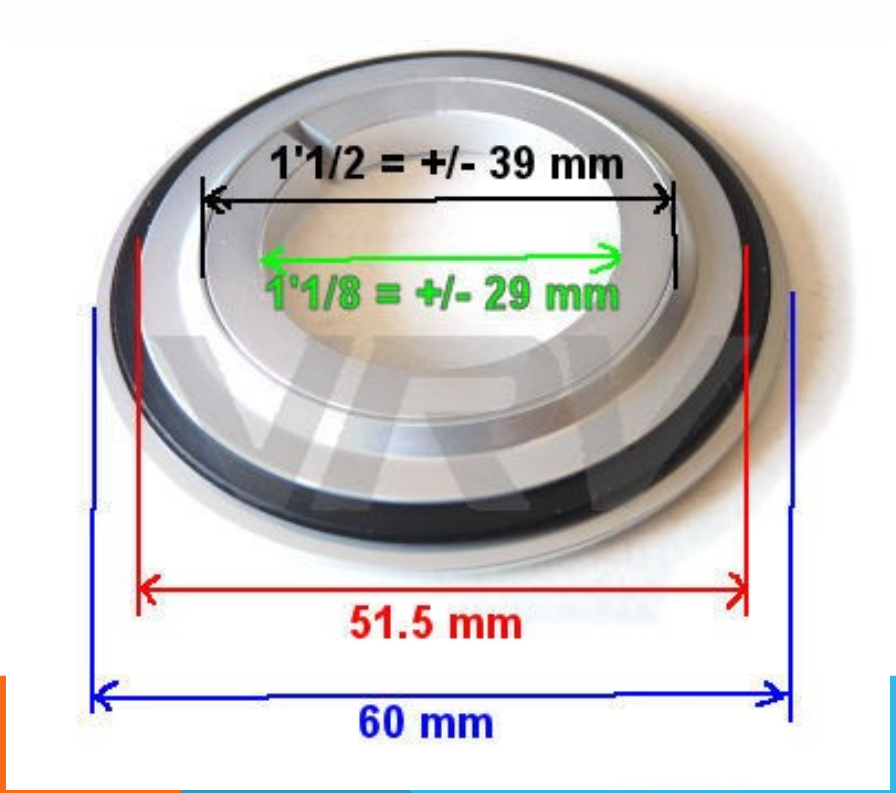








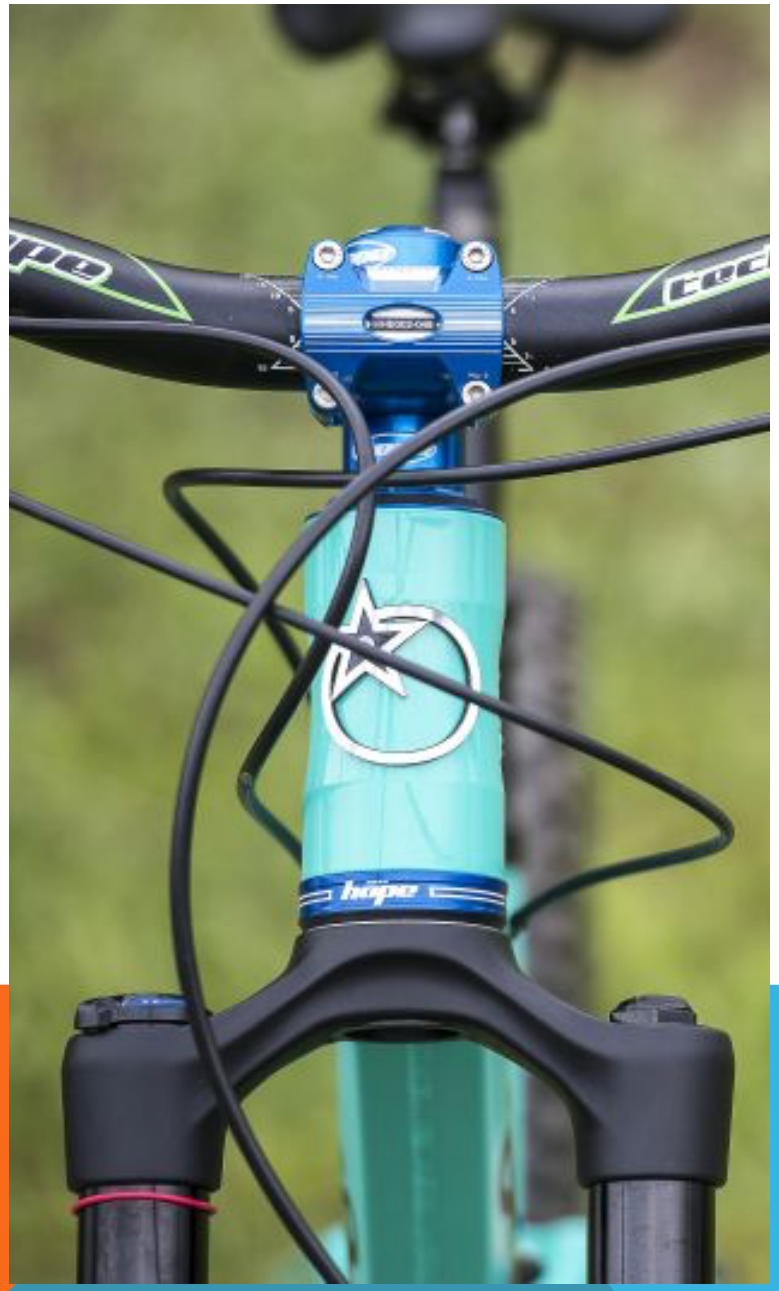
Adaptateurs :





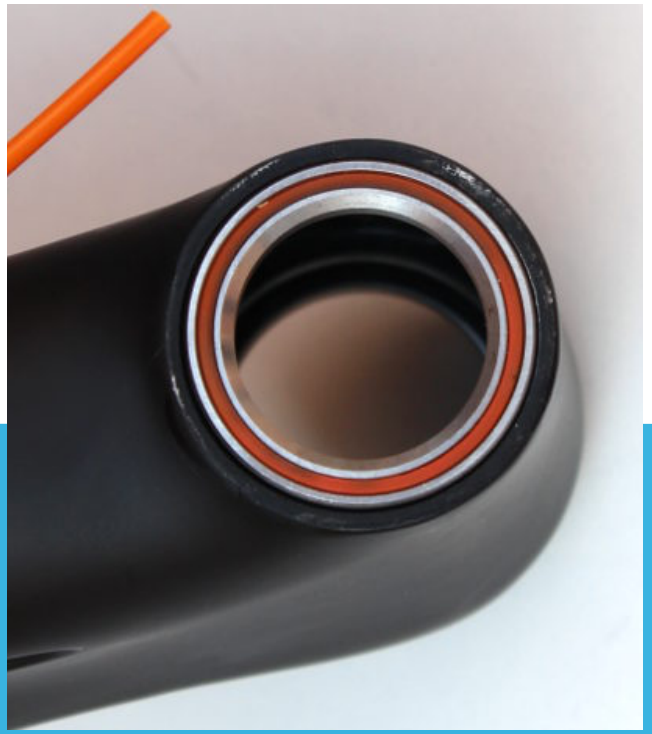



DIRECT DRIVE
CONCEPT

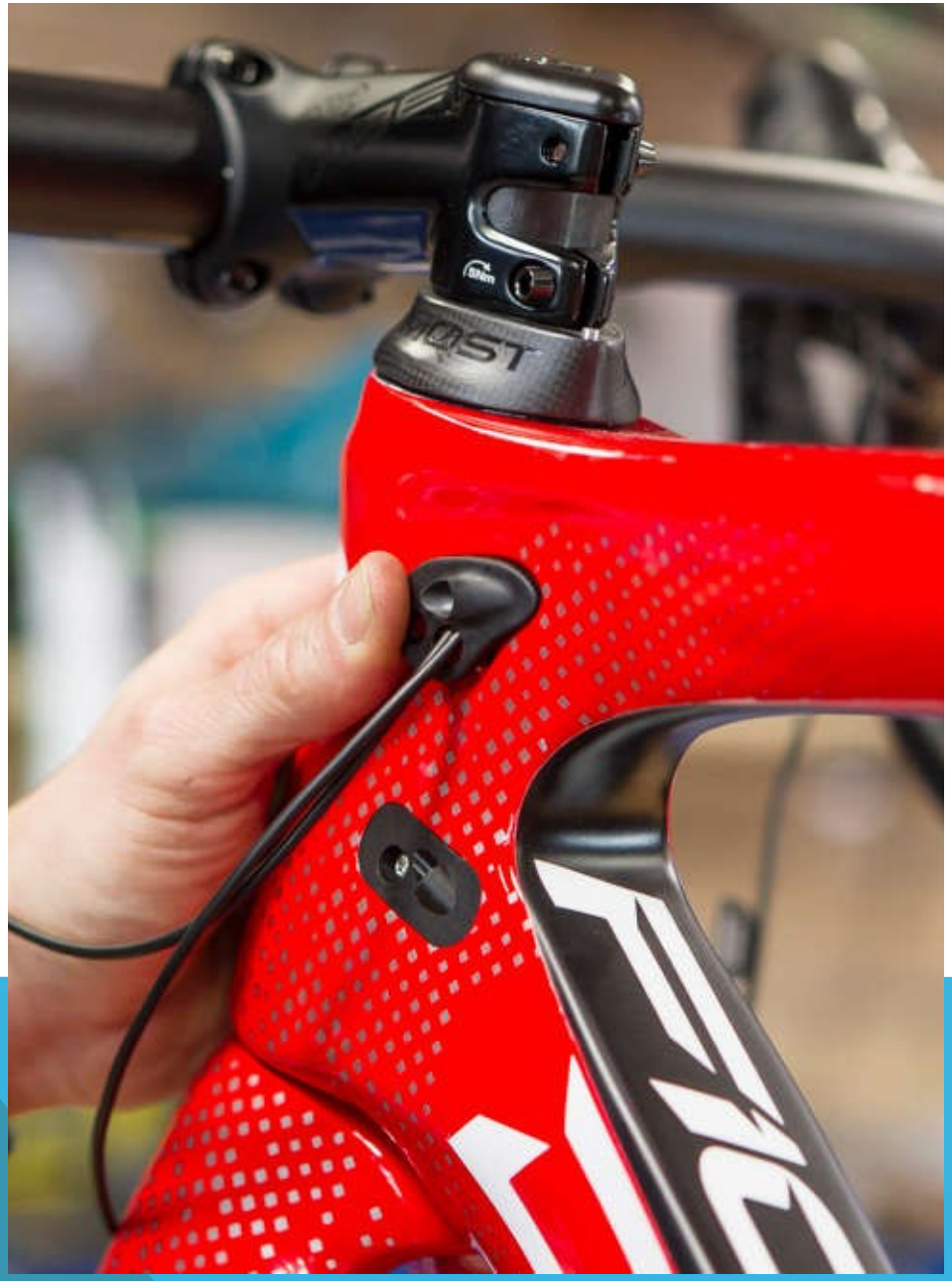

hope




Head
Jet
Precision Contro




Deda
KING



LES OUTILS :


BBB


DR-10100
FRANCE K2


8 x 150
6 x 150
5 x 150





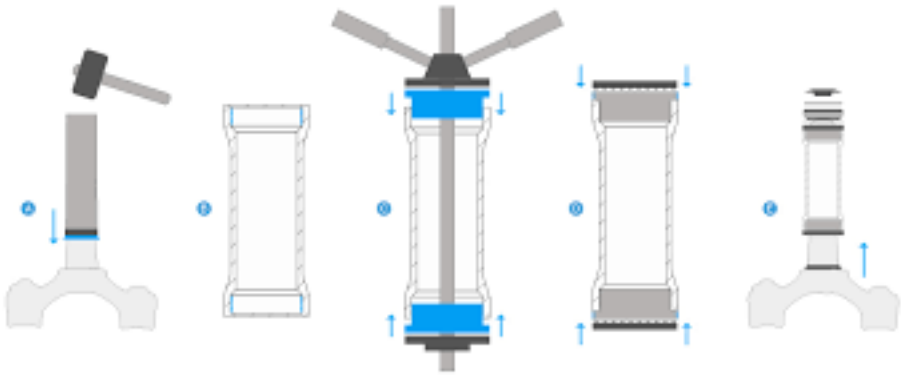







3-EN-UN.
TECHNIQUE
GRAISSE
UNIVERSELLE
AU LITHIUM





D’autres montages :

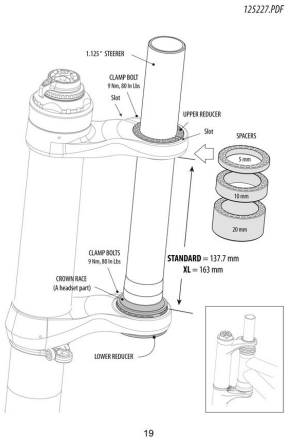














LEFTY CANNONDALE





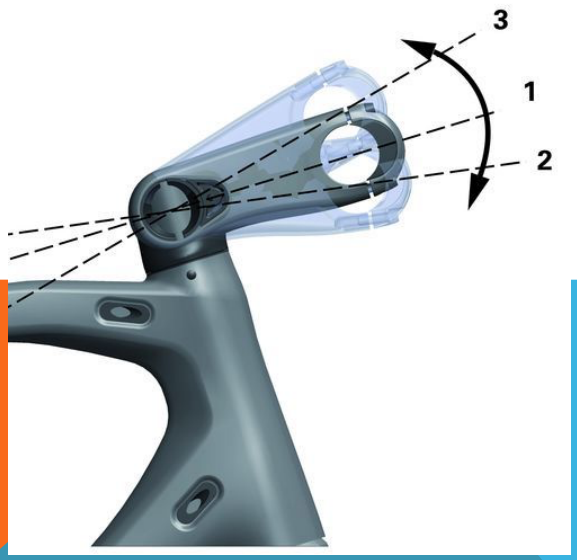








Concept CFD HEAD FIT 3











SPECIALIZED®

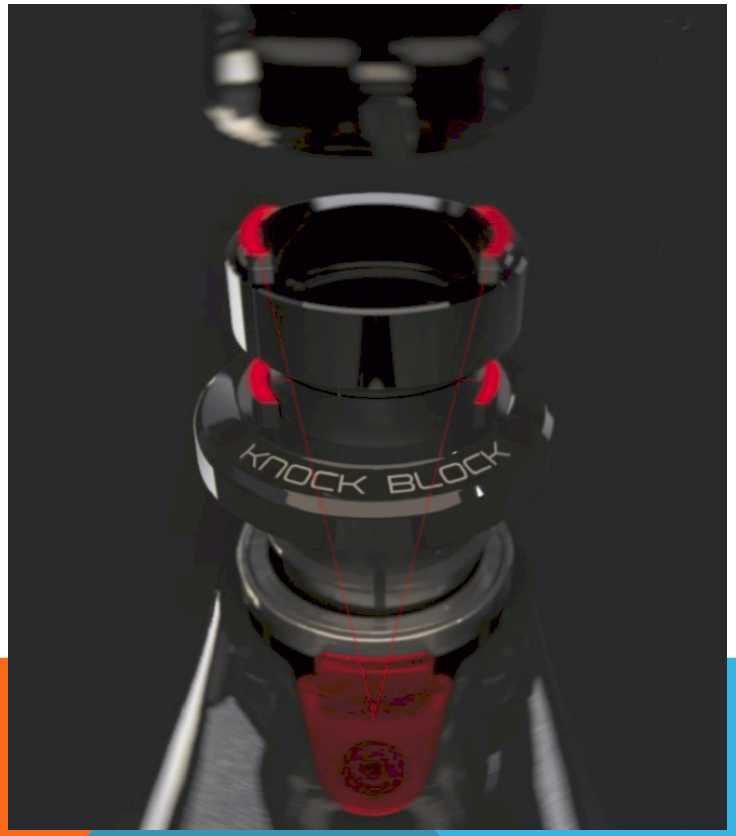


Câbles intégrés



Innovation 2018

Le Knock Block











TREK
BICYCLE STORE

Le KNOCK BLOCK

https://youtu.be/exNN6N34zOM









SHIMANO®

XP NX – 10

Blocage sur JDD standard visé









HBS

Vélo hollandais



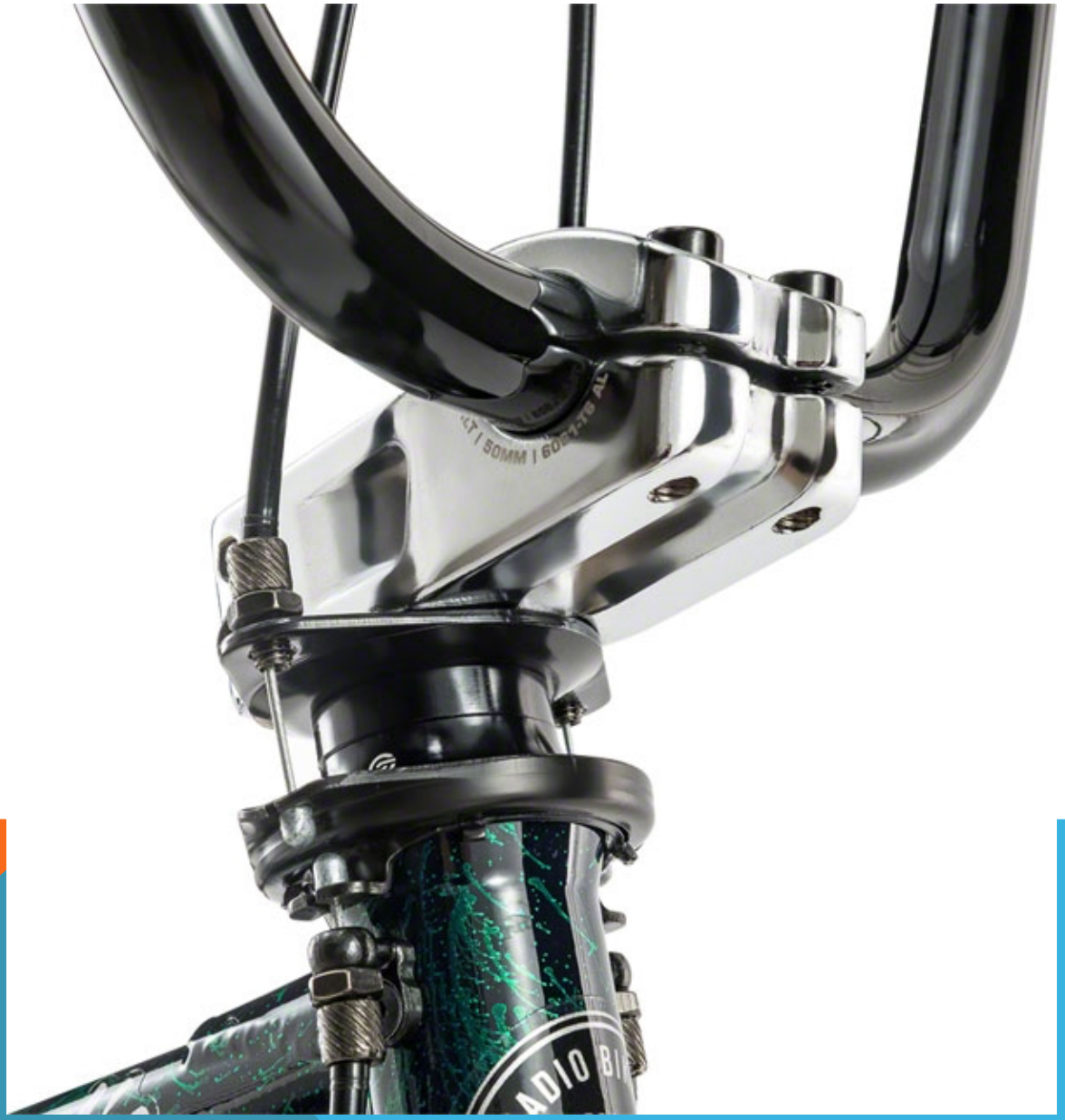
moustache bikes

QUICK_PARK STEM





ROTOR BMX



Rotor Hydraulique Trixer



OLD SCHOOL



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