

GET YOUR S.H.I.S. STRAIGHT



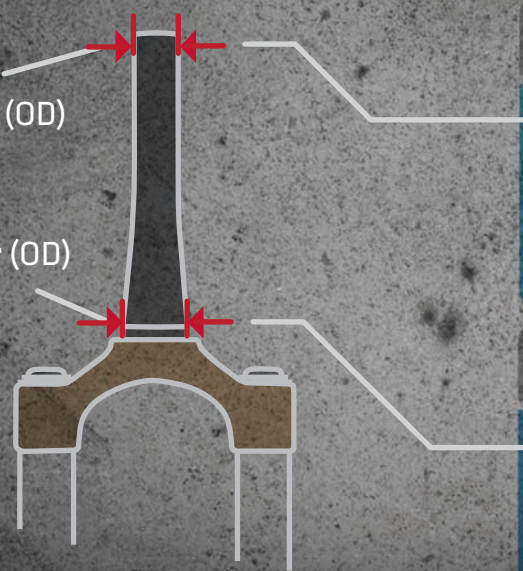
1

Measure Steerer Tube

1a. Measure steerer tube

Stem Clamp
Outside Diameter (OD)

Crown Race Seat
Outside Diameter (OD)



1b. Convert measurements to S.H.I.S.

OD - Top	S.H.I.S.
28.55 mm <small>Measurements are rounded to nearest 0.1 mm</small>	28.6 <small>See Table 1</small>
OD - Bottom	S.H.I.S.
39.81 mm <small>Measurements are rounded to nearest 1 mm</small>	40 <small>See Table 1</small>

Steerer tube S.H.I.S.	
28.6 Stem Clamp Diameter	40 Crown Race Seat Diameter
TOP	BOTTOM

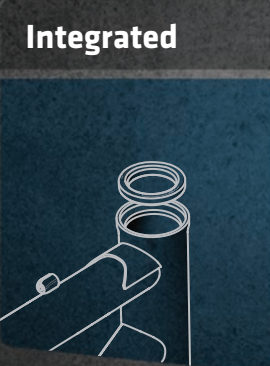
2

Measure Head-tube

2a. Determine head-tube type



Press-fit
Bearings are contained in cups that are pressed into the frame



Integrated
Bearings fit into an interface inside the head-tube

2b. Measure head-tube



2c. Convert measurements to S.H.I.S.

ID - Top	S.H.I.S.
49.59 mm <small>Measurements are rounded to nearest 1 mm</small>	49 <small>See Table 2</small>
ID - Bottom	S.H.I.S.
52.11 mm <small>Measurements are rounded to nearest 1 mm</small>	IS52 <small>See Table 3</small>

Head-tube S.H.I.S.	
49 Upper Head-tube Bore	IS52 Lower Head-tube Bore
TOP	BOTTOM

3

Determine Headset Type

3a. Determine headset type



Press-fit



Integrated

Headset Type	S.H.I.S.
ZS Headset ZeroStack (bearing recessed inside frame)	ZS49 / 28.6
EC Headset External Cup (bearing mounted outside frame)	
IS Headset Integrated	IS52 / 40

3b. Done! Find your headset

Headset S.H.I.S.

Upper Headset Fit			Lower Headset Fit		
ZS49 Upper Headset Type	28.6 Upper Head-tube Bore	28.6 Stem-clamp Diameter	IS52 Lower Headset Type	40 Lower Head-tube Bore	40 Crown Race Seat Diameter

Table 1 - Threadless Fork Dimensions

	SHIS	Diameter Range	Legacy Name
TOP	25.4	25.25 - 25.40	1"
	28.6	28.45 - 28.60	1-1/8"
	31.8	31.60 - 31.75	1-1/4"
	38.1	38.074 - 38.202	1.5"
Threaded Fork Dimensions			
	SHIS	Stem Quill Dia.	Legacy Name
TOP	22.2-24tpi	-	English/Italian - Juvenile
	M23-1.0	-	French - Juvenile
	24.6-30tpi	-	Chater Lea (very rare)
	25.4-24tpi	22.2¹	1" Threaded - English, Italian, JIS, BMX etc.
	M25-1.0	22	1" Threaded - French (rare)
	M26-1.0	22	Austrian (rare)
TOP	28.6-26tpi	25.4	1-1/8" Threaded
	31.8-26tpi	28.6	1-1/4" Threaded
Threadless & Threaded Fork Crown Race Seat Dimensions			
	SHIS	Diameter Range	Legacy Name
BOTTOM	26	26.43 - 26.49	1" Professional
	27	27.03 - 27.09 ²	1" JIS
	30	30.015 - 30.075	1-1/8"
	33	33.03 - 33.09	1-1/4"
	40	39.79 - 39.85	1.5"

¹ 21.15 also possible on BMX and low-end USA-made models
² In modern use, all 1" crown-race seats should be milled to the 26mm, 1" Professional Standard

Table 2 - Press-fit Head-tube Dimensions

SHIS	Inside Dia. Range	Ream Depth	OD Recommendation	Legacy Name
29	29.85 - 29.90	12.5	-	1" JIS ³
30	30.05 - 30.10	12.5	-	1" Professional
32	32.45 - 32.50	12.5	-	1" BMX
34	33.90 - 33.95	12.5	-	1-1/8"
37	36.90 - 36.95	12.5	-	1-1/4"
41	41.35 - 41.40	15	47	1" ZeroStack
44	43.95 - 44.00	15	50	1-1/8" ZeroStack
49	49.57 - 49.61	25	-	One.Point.Five
55	54.90 - 54.95	15	61	1.5" ZeroStack
56	55.90 - 55.95	15	62	1.5" ZeroStack

³ In practice, JIS head-tubes should be reamed to 30mm standard
⁴ Measured to the beginning of the chamfer
⁵ Rare, seen on certain Cervelo models
⁶ Rare, seen on certain Specialized models

Table 3 - Integrated Head-tube Dimensions

SHIS	Inside Dia. Range	Bearing Seat Depth ⁴	Bearing Seat Angle	OD Recommendation	Legacy Name
IS38	38.10 - 38.25	3.1 - 3.2 6.9 - 7.0	45°	42	1" Cane Creek IS
IS41	41.10 - 41.20	3.1 - 3.2 6.9 - 7.0	45°	45	1-1/8" Cane Creek IS
IS42	41.95 - 42.05	2.8 - 3.0 6.6 - 6.8	45°	46	1-1/8" Campagnolo IS
IS47	47.0 - 47.10	-	45°	-	1-1/4" IS
-	49.10 - 49.20	7.4 - 7.5	45°	-	1-3/8" Cane Creek IS ⁵
IS49	49.10 - 49.20	6.9 - 7.0	45°	-	1-3/8" IS ⁵
IS52	52.05 - 52.15	-	45°	56	1.5" IS