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# Complete Headset Reference Guide

# Complete Headset Reference Guide

Complete Headset Reference Guide



**FSA**  
FULL SPEED AHEAD

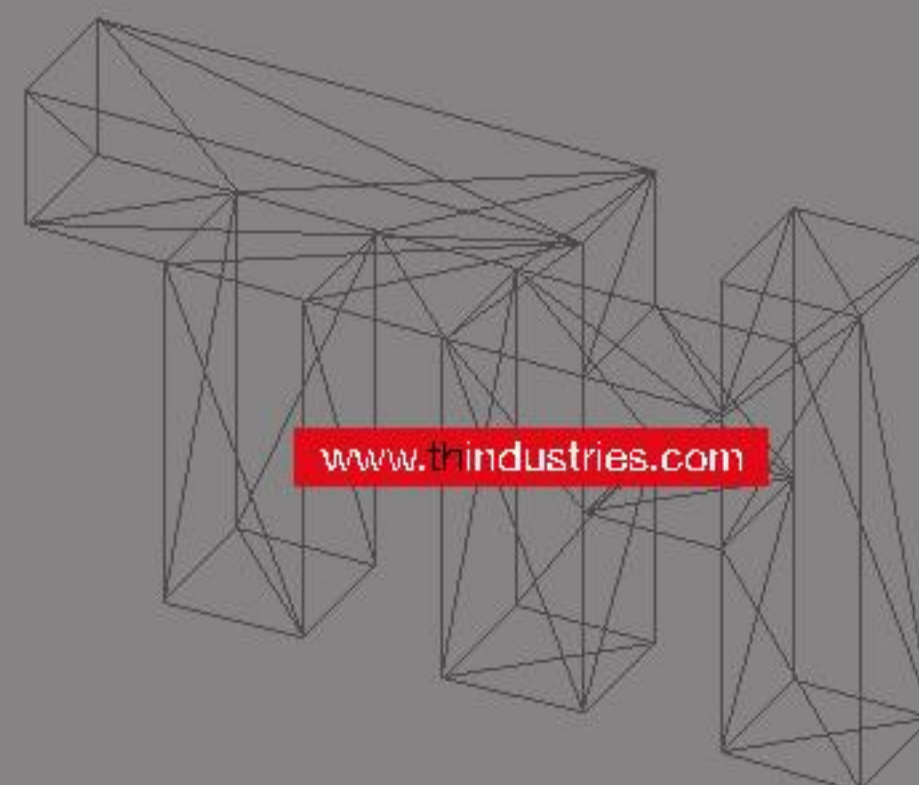
**RPM**  
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**AHEADSET**

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**TH**  
INDUSTRIES

March 2004

## ENGLISH LANGUAGE:

Tien Hsin Industries is a leader in the development of headsets and high technology Angular Contact Bearings. We not only manufacture high quality headsets and bearings under our own TH and Full Speed Ahead brand names, but we also manufacture and develop threadless headsets and bearings under the "Aheadset" brand name as well as for many other famous brands.

## FRENCH LANGUAGE:

TIEN HSIN INDUSTRIES est le leader dans le développement des jeux de direction et dans la technologie des roulements micro-angulaires. Nous ne produisons pas seulement des jeux de direction et des roulements de haute qualité sous les noms TH et FULL SPEED AHEAD, mais nous développons et produisons des jeux de direction et des roulements au logo "AHEADSET" pour les noms les plus réputés du monde du vélo.

## ITALIAN LANGUAGE:

TIEN HSIN INDUSTRIES, È IL LEADER NELLO SVILUPPO DELLE SERIE STERZO E NELLA TECNOLOGIA DEL CUSCINETTO MICRO ANGOLARE. NOI NON SOLO PRODUCIAMO SERIE STERZO E CUSCINETTI DI ALTA QUALITÀ SOTTO IL NOME TH E FULL SPEED AHEAD, MA SVILUPPIAMO E PRODUCIAMO SERIE STERZO E CUSCINETTI CON IL LOGO "AHEADSET" PER MOLTI NOMI FAMOSI NEL MONDO DELLA BICICLETTA.

## GERMAN LANGUAGE:

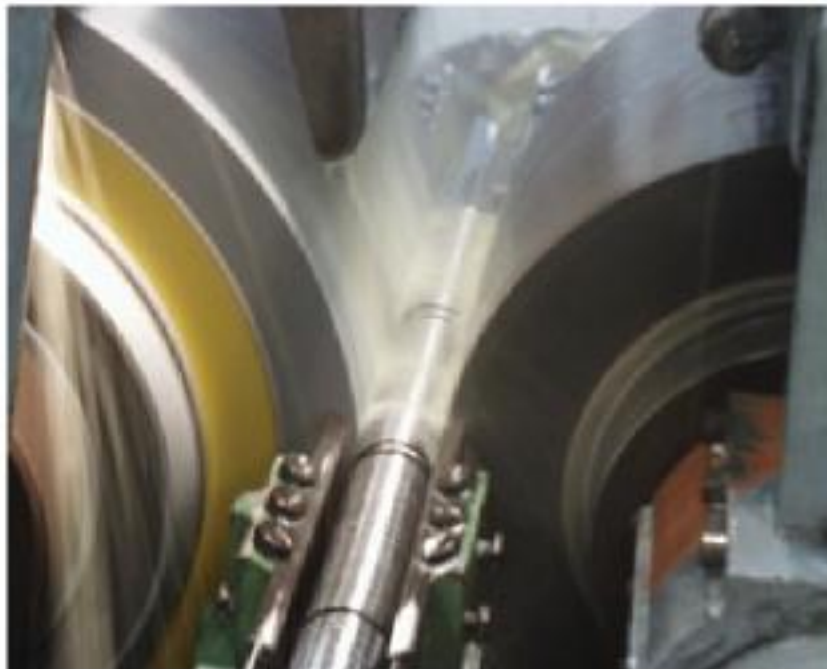
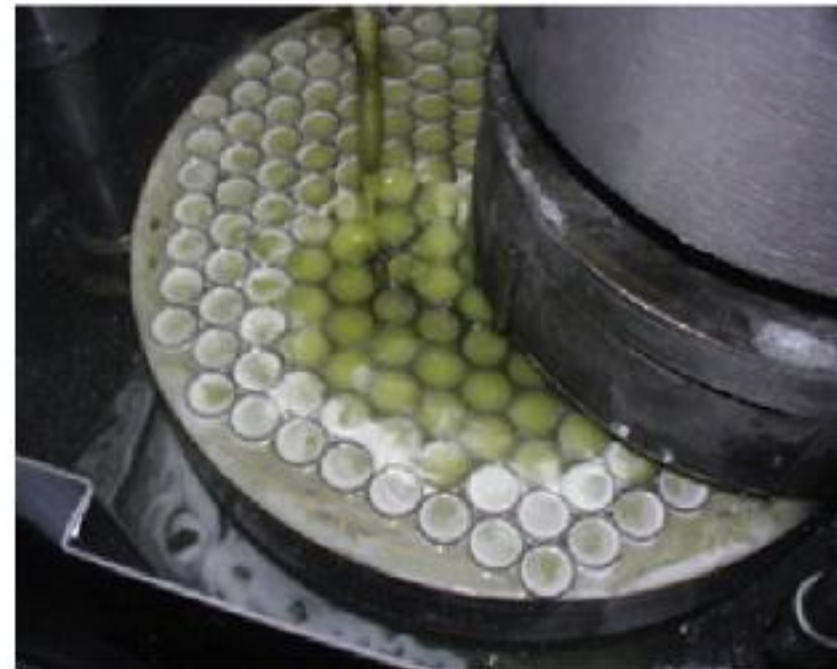
Im Augenblick ist TH Industries der einzige Produzent mit dem am breitesten gefächerten Konstruktionsdesign. Man kann sagen, daß wir alles anbieten, was gewünscht wird. Unser Angular Contact Bearing wird nicht nur von vielen großen Rad-Markenproduzenten eingesetzt, sondern auch von unseren Mitbewerbern verarbeitet.

Version 7 March 2004



# Angular Contact Bearings

Information Every Product Manager Needs to Know



TH bearing races are precision ground to ensure a very smooth and accurate bearing surface. As usual, TH offers you and your customers the very best quality.

# Accessories - Angular Contact Bearings

## Stainless ACB



TH-870S



TH-873S  
TH-373S



TH-970S 1-1/4"

## ACB



TH-870



TH-873  
TH-373



TH-872  
TH-372



TH-871  
TH-371

## Economical

TH-800  
TH-873E



## Servicable ACB



TH-823

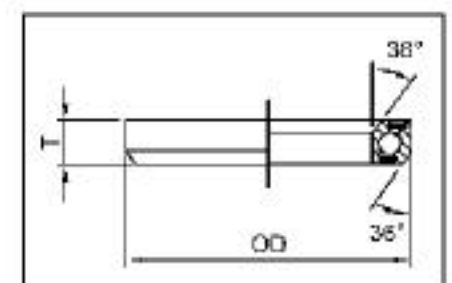


TH-870B

### TH-Red Seal ( 36° X 36° )

TH-Red Seal ( 36° X 36° )				
Oversize ACB			Micro ACB	
	TH-871 (1-1/8")	TH-371 (1")	TH-872 (1-1/8")	TH-372 (1")
OD	44 mm	41.5 mm	41.5 mm	38.5 mm
T	8 mm	8 mm	6.5 mm	6.5 mm

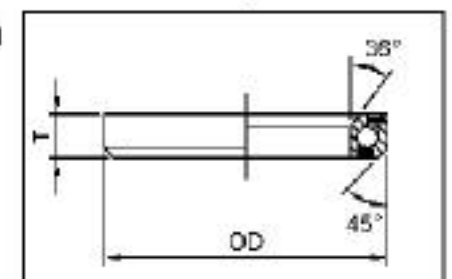
TH-871-Oversized ACB - 36° x 36° x 44mm x 8mm, Red Seal  
 TH-371-Oversized ACB - 36° x 36° x 41.5mm x 8mm, Red Seal  
 TH-872-Micro ACB - 36° x 36° x 41.5mm x 6.5mm, Red Seal  
 TH-372-Micro ACB - 36° x 36° x 38.5mm x 6.5mm, Red Seal



### 36° X 45°

36" X 45"				
Cane Creek - Blue or Grey Seal			Econ	Serv
	TH-873 (1-1/8")	TH-373 (1")	TH-823	TH-800
OD	41mm	38 mm	41 mm	41.7 mm
T	6.5 mm	6.5 mm	6.5 mm	7.2 mm

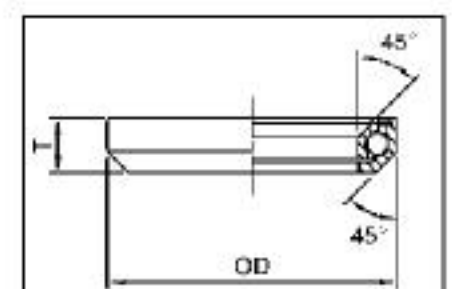
TH-873-Cane Creek Compatible Micro ACB - 36° x 45° x 41mm x 6.5mm, Blue Seal  
 TH-373-Cane Creek Compatible Micro ACB - 36° x 45° x 38mm x 6.5mm, Blue Seal  
 TH-873S-Cane Creek Compatible Stainless Micro ACB - 36° x 45° x 41mm x 6.5mm, Gray Seal  
 TH-373S-Cane Creek Compatible Stainless Micro ACB - 36° x 45° x 38mm x 6.5mm, Gray Seal  
 TH-823 - Two piece bearing for No.23 CC - 36° x 45° x 41mm x 6.5mm  
 TH-800 - Economical ACB for ZS-4 - 36° x 45° x 41.7mm x 7.2 mm  
 TH-873E - Economical ACB for IS-3E - 36° x 45° x 41mm x 6.5 mm



### Campagnolo-Yellow or White Seal ( 45° X 45° )

	TH-870 (1-1/8")	TH-970S (1-1/4")
OD	41.8mm	46.8 mm
T	8 mm	7 mm

TH-870B-Campagnolo Compatible 2-Part ACB - 45° x 45° x 41.8mm x 8mm, Yellow Seal  
 TH-870-Campagnolo Compatible Micro ACB - 45° x 45° x 41.8mm x 8mm, Yellow Seal  
 TH-870S-Campagnolo Compatible Stainless Micro ACB - 45° x 45° x 41.8mm x 8mm, White Seal  
 TH-970S - 1-1/4" Stainless SCB 45° x 45° x 46.8mm x 7mm, White Seal





# All about Headset Bearings:

## 1. How many different types of bearings are used in the modern day headset?

**Answer:** There are at least 6 different kinds of bearings used in the bicycle headset. They include; radial bearings, thrust bearings and angular contact bearings. These three types of bearings all use ball bearings. The second category of bearings is the roller bearing which include the standard roller bearing and the tapered roller bearing. Both of these use cylindrical rollers.

## 2. There are many different types of bearings. Which one is best for the bicycle headset and why?



**Answer:** Angular contact bearings are the most appropriate bearing for most headset applications. The primary reason is due to the fact that it is very efficient at dealing with the angular force that is exerted upon it. Whereas most deep groove industrial bearings are very efficient at dealing with vertical or horizontal loads, the pressing angle associated with the bicycle headset is much more angular.

## 3. Are there different types of Angular Contact Bearings?

**Answer:** Yes. In fact, TH Industries makes four different types or grades of angular contact bearings. They are:



- **High End ACB** - Both Chris King and Tien Hsin Industries manufacture very high-end angular contact bearings that feature stainless steel races and ball bearings, or Ceramic balls. While these bearings have a minimal chamfered area, because they press in to the headset cup, they offer superior longevity, durability and performance.
- **Sealed ACB** - Featuring highly polished races, angled chamfer areas and high grade balls, TH brand angular contact bearings come in a variety of sizes and grades. These bearings slip fit into headset cups or head tubes.
- **Economical ACB** - These sealed bearings have the same general features as above, but with precision ground ball races instead of the highly polished ball races. Designed for OEM applications, these bearings are reliable and durable.
- **Serviceable cup and cone ACB** - Campagnolo and TH Industries both offer a serviceable ACB that can be disassembled, serviced and re-assembled. Utilizing a caged ball bearing race, these bearings are economical, serviceable and durable.



## 4. I noticed that the colors of the seals on TH brand angular contact bearings are different. Is there a reason for the different colors?

**Answer:** Yes, depending on whether the bearing is for TH, or Cane Creek or Campagnolo, the bearing will have a different color seal. Our stainless steel versions also have different colored seals. See Page two for detailed information.

## 5. Are the various bearings interchangeable?

**Answer:** Sorry. The various styles/colors of bearings are not interchangeable. Damage can result to your frame or headset if the wrong replacement bearing is installed.

## 6. What if my bearings are old and dirty and I can not tell what color or size the bearing is?

**Answer:** Full Speed Ahead offers a headset bearing gauge that will help to identify the type/size of the bearing and/or the sizing of your integrated style headtube.



## 7. My bicycles are sold in areas that have very adverse and wet weather. Does TH offer a bearing that is more rust and weather resistant?

**Answer:** Yes. First, our angular contact bearings feature double seals. Our biggest competitor only offers a single seal on their angular contact bearing. Second, TH offers both its Cane Creek and Campagnolo compatible bearings in an all stainless steel version with stainless inner and outer races as well as stainless ball bearings. There is nothing better!



## 8. What are micro spacers and how are they used?

**Answer:** Micro spacers are 0.25mm thick and fit between the compression ring and the top cover. Integrated head tubes are specially machined to accept proprietary bearings. Due to frame manufacturing tolerances, the vertical height of the bearing pocket can vary resulting in an imperfect fit between the top of the head tube and the headset top cover. Any number of Micro spacers can be used in order to achieve the correct clearance.



# Integrated and Internal Headsets:

## 1. How many different types of internal or integrated headsets currently exist in the marketplace?

**Answer:** There are three basic styles of internal or integrated headsets. They are:

- **Integrated** - Without cups and sometimes called IS system, this style of headset uses bearings that fit directly into a specially machined headtube. This style, having first been introduced in Italy in the late 60's is currently popular for both road bikes and BMX bikes. There are four integrated standards available in the market today.
- **Internal** - With Cups, and sometimes called ZS or Low Profile system, this style of headset relies on cups that are pressed into the headtube. Once the cups are installed, bearings fit in the cups just like a conventional headset.
- **Intellaset** - Intellaset is very similar to a conventional headset. Using the correct sized headtube, this headset system offers the styling and look of an integrated headset but with the reliability and serviceability of a conventional headset.



## 2. I know I don't want to use a conventional headset. How do I choose between one of these systems:

**Answer:** From a technical perspective all three systems work well. Before making a decision you should consider what system you may have used in the past as well as what system has gained popularity in your market or market segment.

- **Integrated** - This system is most popular in the road bike category. Benefits are its low profile, light weight and smooth elegant look. Also, many carbon forks are available to fit with integrated style head tubes.
- **Internal** - Utilizing cups that are pressed into the headtube (most commonly 50mm OD) Internal headsets offer reliability, ease of service and head tubes are easy to manufacture and finish. Internal headsets have seen their greatest popularity within the mountain bike segment.
- **Intellaset** - The best of both worlds. Form fitting elegance with the reliability and serviceability of a conventional headset, Intellaset is most popular with road bikes and city bikes.



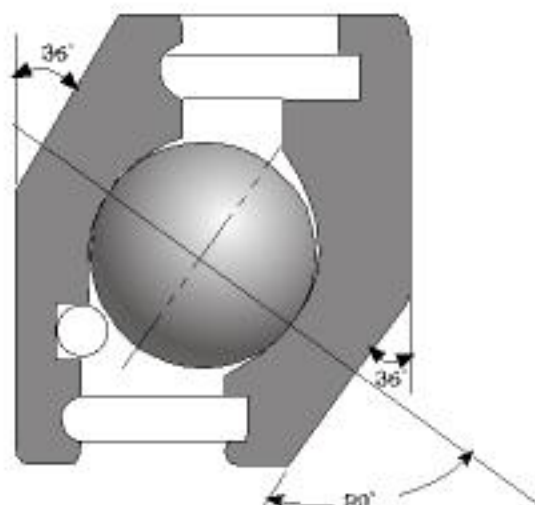
## 3. I have chosen to design my frame to use an integrated headset, but now I understand there are at least four different sizes/styles of integrated headsets. What systems are available and what are the differences?

**Answer:** The four integrated size standards available are:

- TH System which uses 36° / 36° bearings
- Cane Creek System which uses 36° / 45° bearings
- Campagnolo System which uses 45° / 45° bearings
- Insert Ring System which uses 36° / 45° bearings

## 4. What are the benefits to each system?

**Answer:** From a technical perspective all four systems work well. Before making a decision you should consider what system you may have used in the past as well as what system has gained popularity in your market or market segment.



- **TH System** - Uses 36° x 36° Red Seal bearings. The compression ring, crown race and headtube (Integrated system) or cups (Internal system) are all at a 36° angle. We believe the 36° angle is optimal for dealing with both the horizontal and vertical loads that the headset must deal with. Additionally, the 36° chamfered areas maximize the surface area of the bearing for added reliability and performance.
- **Cane Creek System** - Uses 36° x 45° Blue Seal bearings. This system is popular in North America and is available from a number of manufacturers. This bearing is available in three quality levels; serviceable cup and cone ACB, Chrom Steel ACB, and Stainless Steel ACB.
- **Campagnolo System** - Uses 45° x 45° Yellow Seal bearings. This system is popular in Europe as well as the BMX community. The Campagnolo bearing is larger in both height and diameter versus the other bearings. Due to its larger diameter this bearing's chamfered areas are larger than those of the Cane Creek bearing. This bearing is available in four quality levels; serviceable cup and cone ACB, Economic ACB, Chrom Steel ACB, and Stainless Steel ACB.
- **Integrated (w/ insert rings)** - This is a new system that utilizes steel rings that are pressed into the headtube. Angular contact bearings rest against the inserted steel rings. Benefits are the same as a other integrated headset systems but with the added benefits of simplified frame/head tube manufacturability as well as potentially improved reliability.

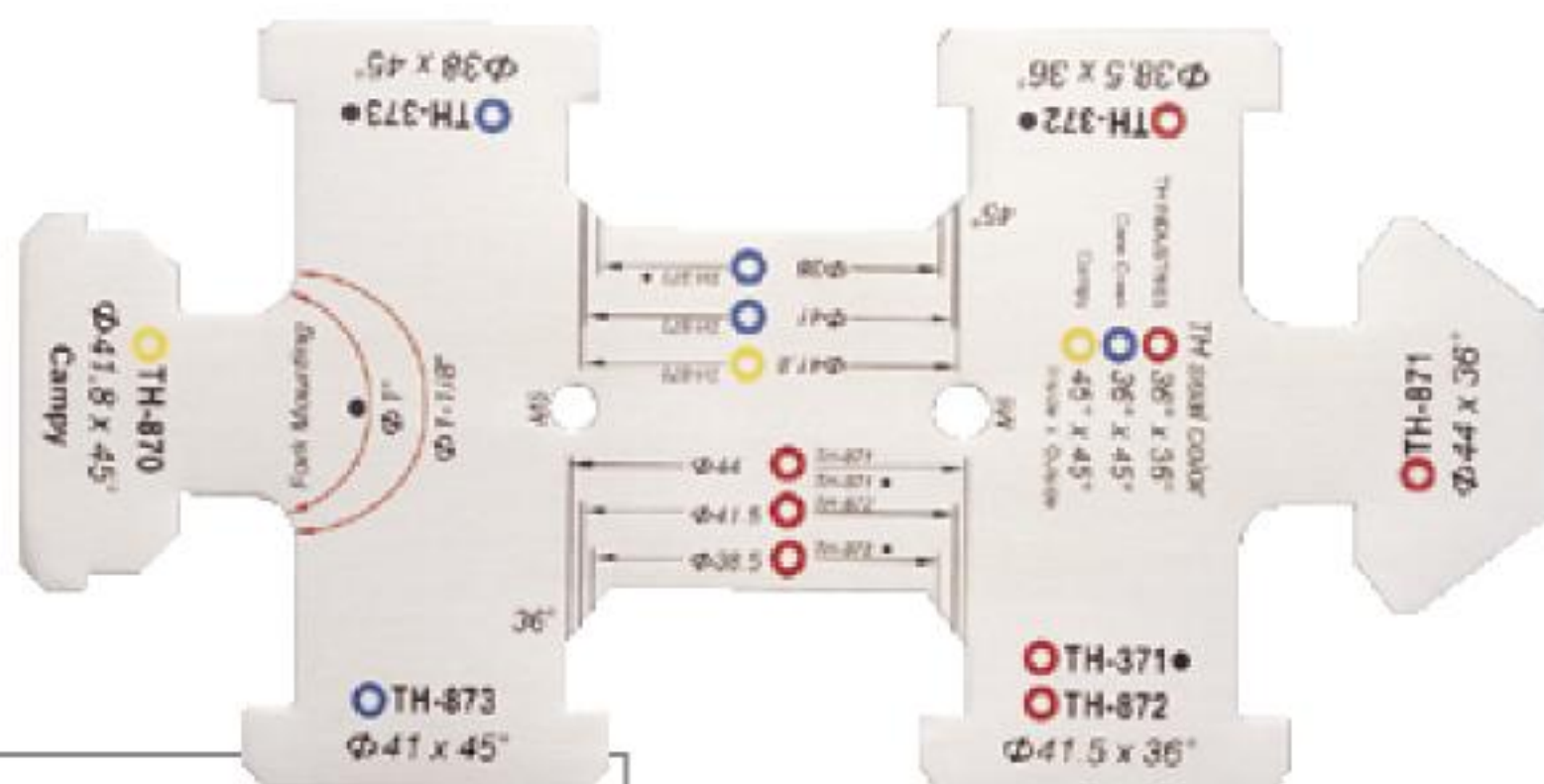


Serviceable cup and cone ACB



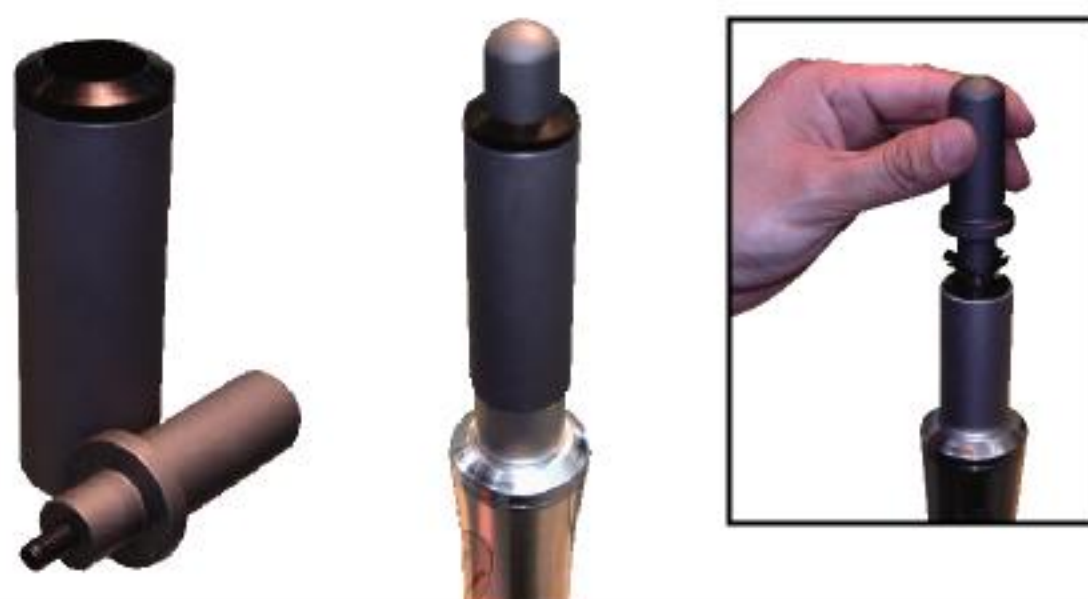
# Headset Guide

- Stainless steel
- Multicolor screen printing
- Gauges for all current bearing standards (Campagnolo, Cane Creek, TH)
- For 1" or 1 - 1/8"
- Inside gauges for headtubes or cups
- Outside gauges for bearings
- M -5 and M-6 bolt gauge
- Weight - 75 grams



# HEADSET STAR-NUT DRIVER & GUIDE

Enables fast, accurate and aligned insertion of star-nuts into fork steerer tubes. **NEW!**



1. Screw the star-nut fully onto the stud of the star-nut driver. Position the star-nut in the mouth of the fork steerer tube. To ensure straight star-nut insertion, always use with the driver guide. Slide the driver guide sleeve over the star-nut driver and the fork tube.
2. Tap the anvil with a hammer to start driving in the star-nut . The driver guide sleeve will ensure that the star-nut presses in straight.
3. When the star-nut is fully inserted into the head tube, the radial ring on the driver will stop the tool.
4. When the star-nut stops, disassemble the handle and assemble the top cap and stem.

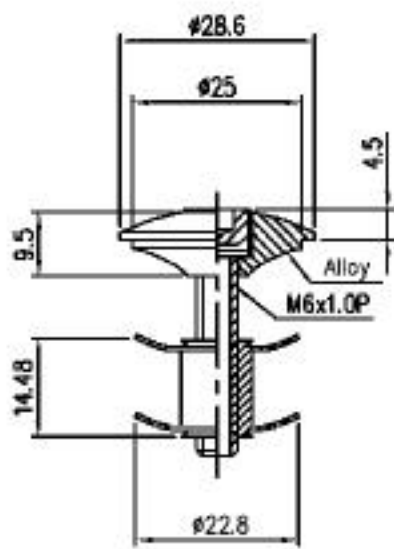
# Micro-spacers

Integrated headsets sometimes require micro-spacers to adjust the depth of the machined headtube in order to ensure correct fit. Micro-spacers should be used between the top cover and compression ring to make sure the top cover does not contact the top of the headtube.

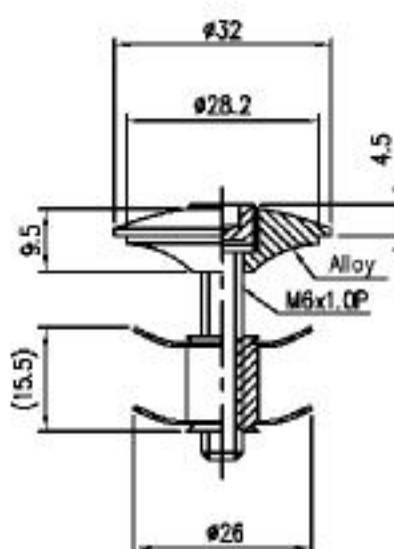
- A Available for 1" or 1-1/8" steerer tubes
- 0.25mm height each



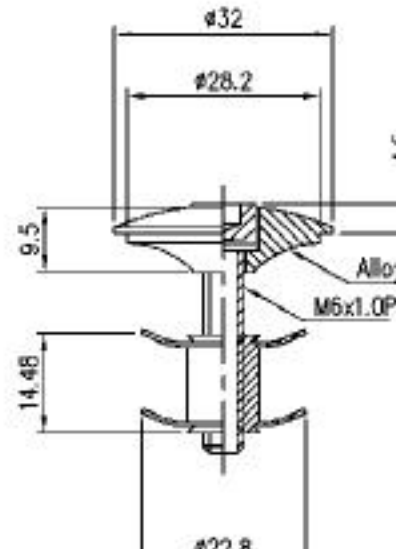
# Accessories - Compression Devices



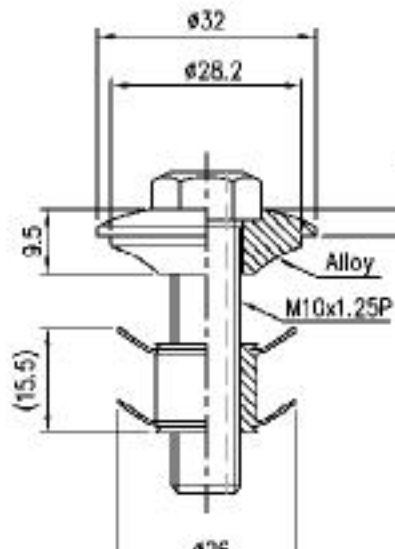
TH-375-1  
(1")



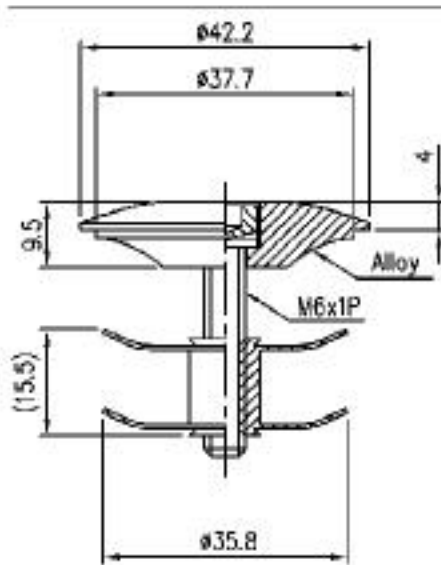
TH-875-1  
(1-1/8")



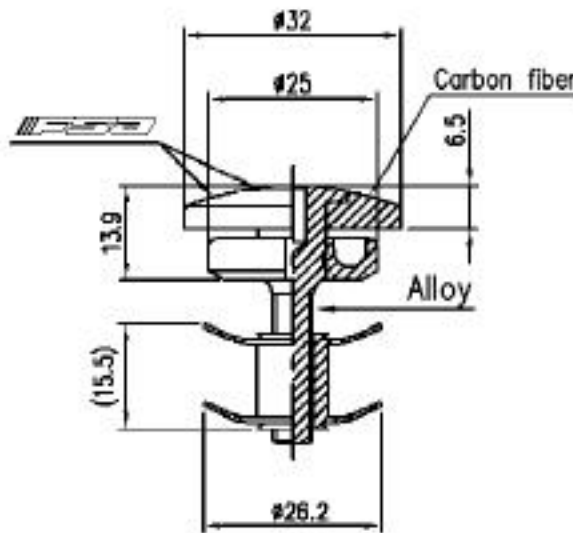
TH-475-1  
(1-1/8"~1")



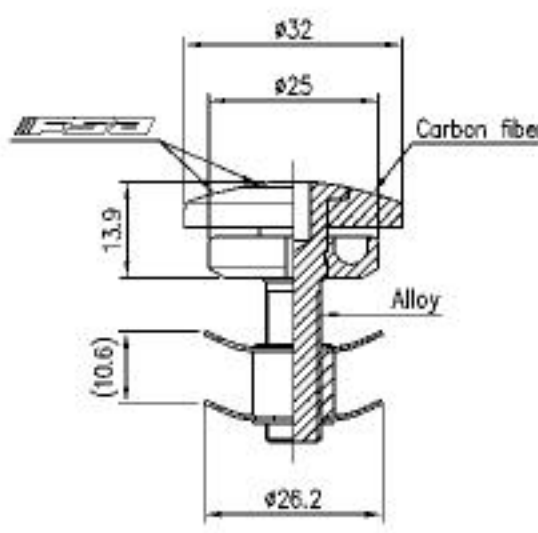
TH-476-1  
(1-1/8")



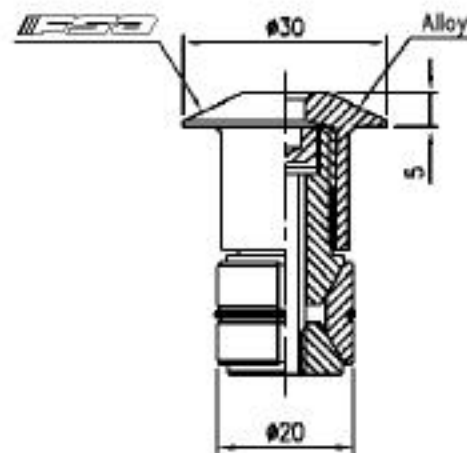
TH-985-1  
(1.5")



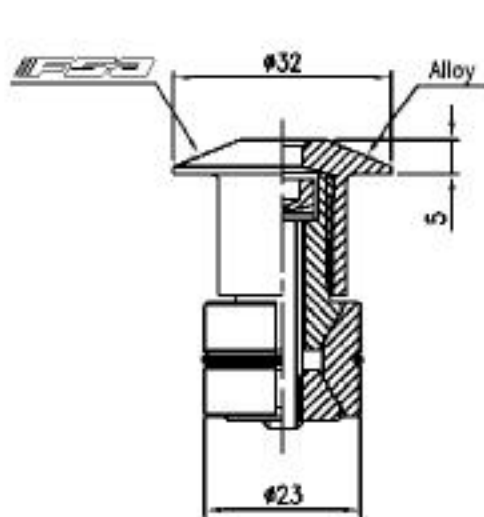
TH-875C-1  
(1-1/8")



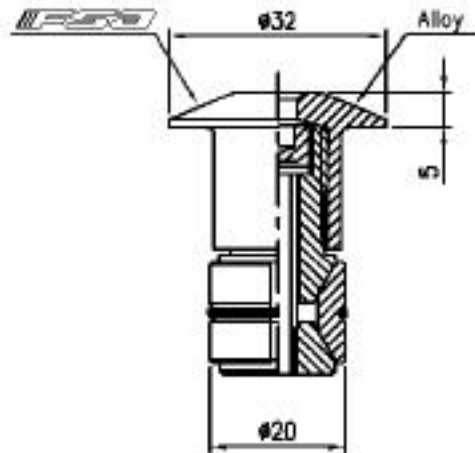
Super star E  
(1-1/8")



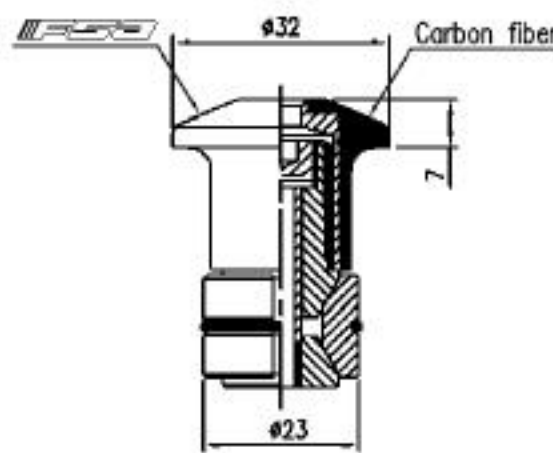
Compressor  
TH-383 (1")



Compressor  
TH-883 (1-1/8")



Compressor  
TH-483 (1-1/8"~1")



Compressor Pro  
TH-884 (1-1/8")



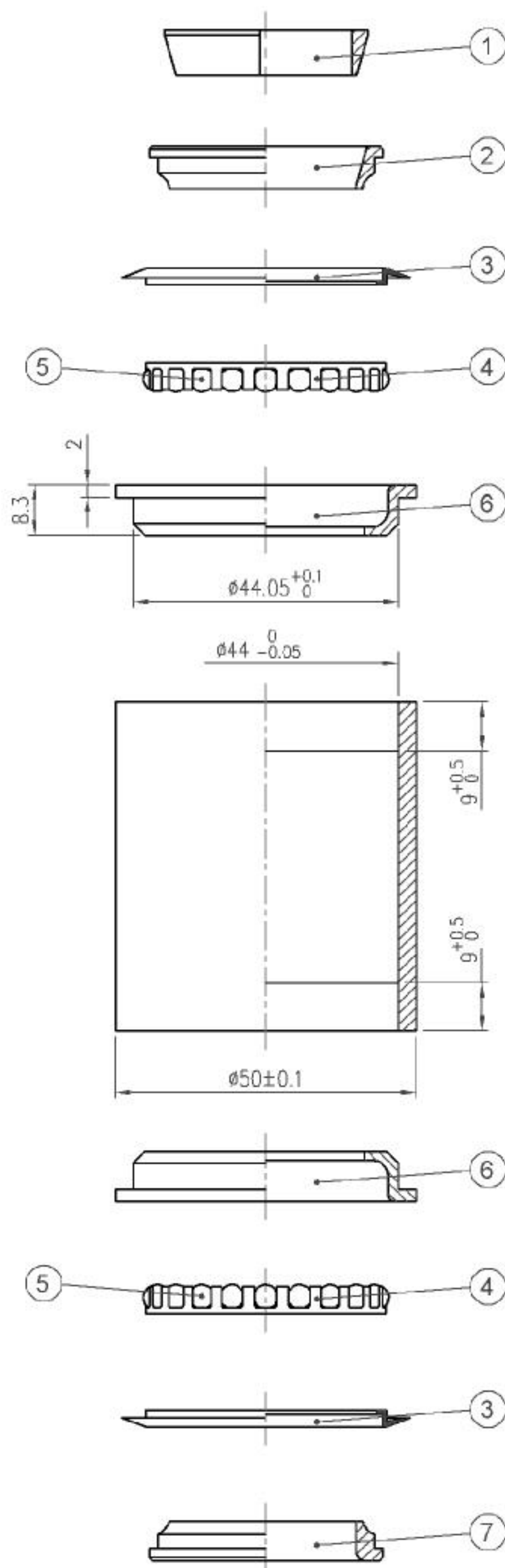
# Internal Headset



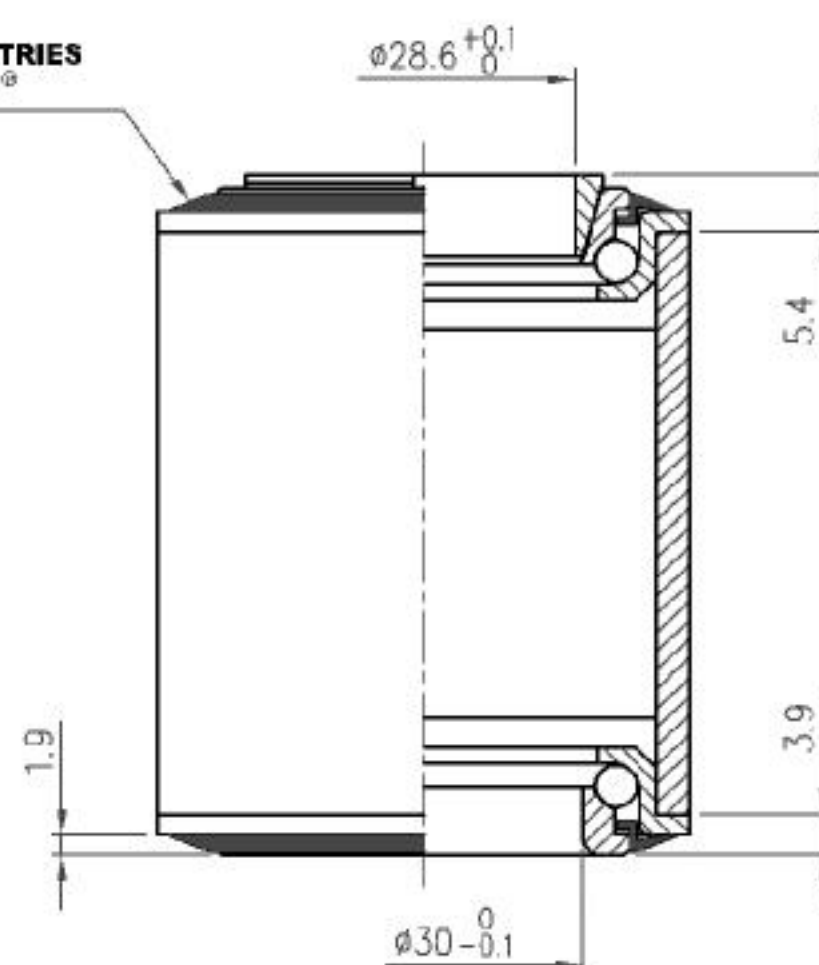
**Orbit Z**  
ZS-3 (1-1/8")  
ZS-3A (1")



1-1/8"



**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2079A	10mm
H2079B	15mm
H2079C	20mm
H2079D	25mm
H2079E	30mm



- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Chromoly cups
- $\Phi 5/32$ " Caged ball bearings

No	Item No	Material	Qty
⑦	H6010 {850-6}	Steel	1PCS
⑥	H4060 {ZST 1-1/8"-4~5}	CrMo	2PCS
⑤	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	40PCS
④	MR013 { $\Phi 5/32$ "x20}	Steel	2PCS
③	MS093 {NO.10-4-5}	ABS	2PCS
②	H3071 {888-3}	Steel	1PCS
①	H2040 {888-2}	Nylon	1PCS

Stack Height: 5.4+3.9=9.3

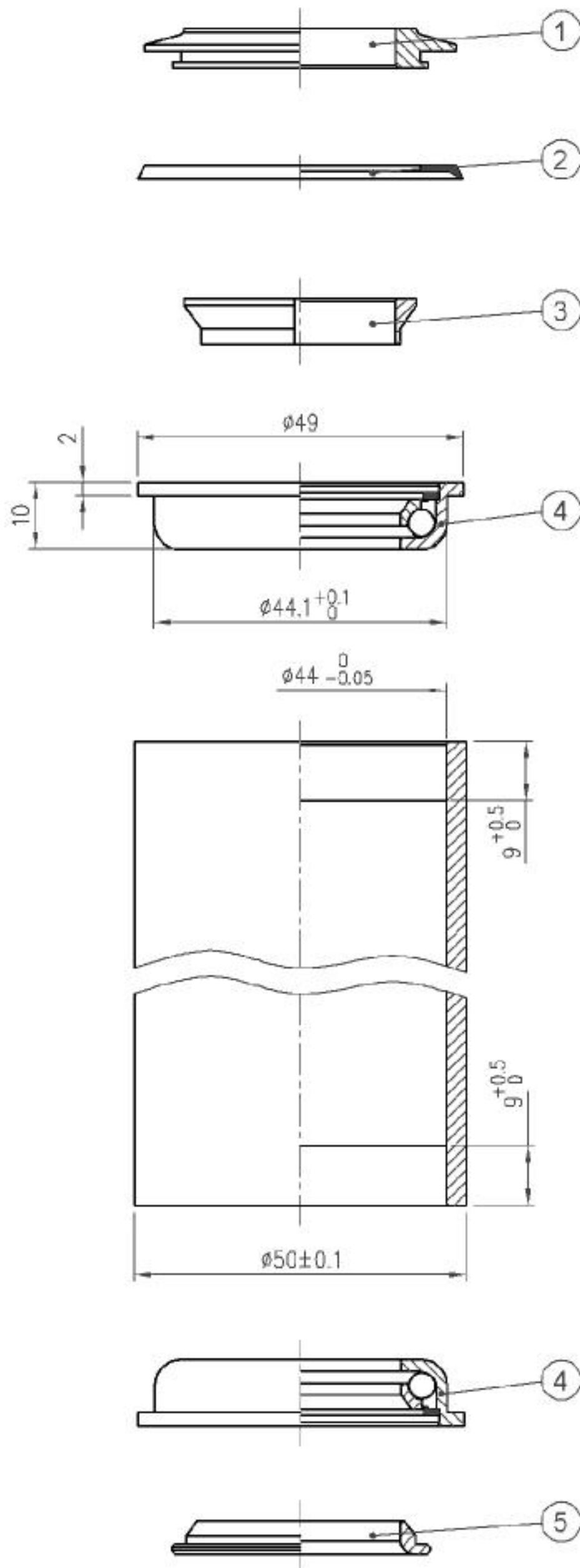
ZST (NO.10) 1-1/8"

天心工業股份有限公司  
**TH INDUSTRIES CO.,LTD.**



# 1-1/8"

## Semi-cartridge type

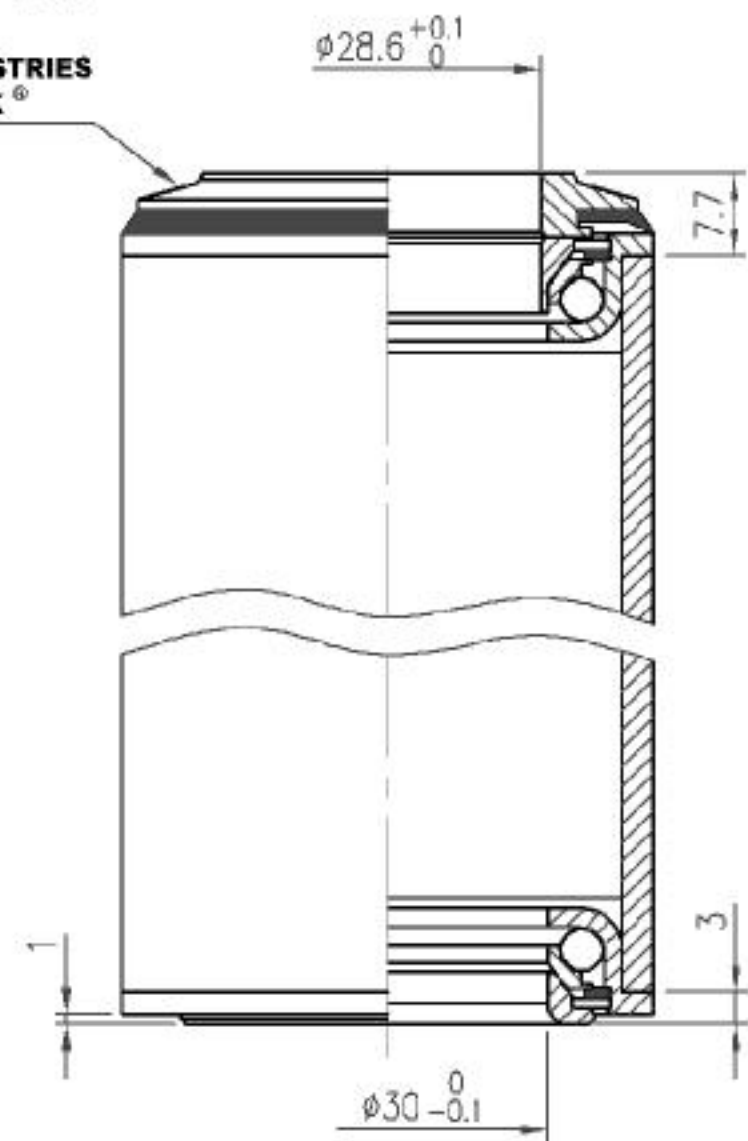


- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Alloy top cover w/seal
- Chromoly cups
- Semi-cartridge cup bearing

**AHEADSET®**

pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



No	Item No	Material	Qty
⑤	H6018 {B-53-6}	Steel	1PCS
④	MR083 {NO.11Q}	CrMo	2PCS
③	H2036 {NO.5-2}	6061 / T6	1PCS
②	MS073	Rubber	1PCS
①	H2144 {NO.11Q-2}	6061 / T6	1PCS

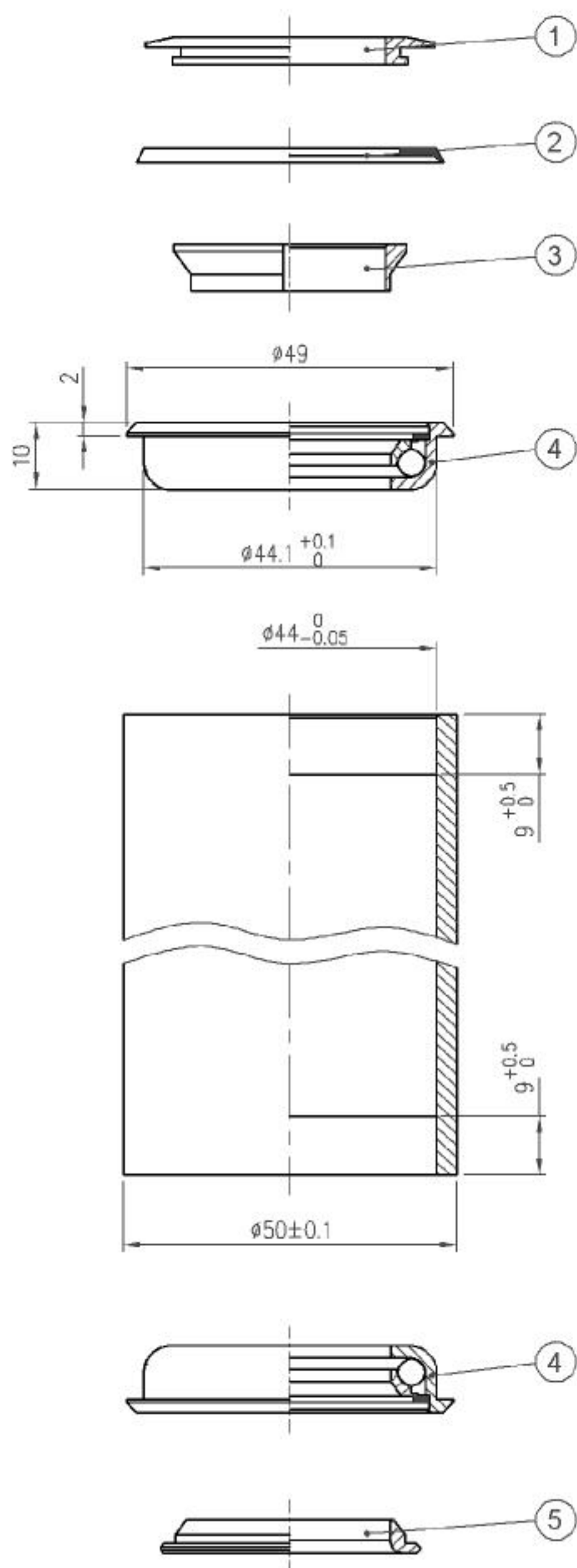
Stack Height: 7.7+3=10.7

NO.11Q (1-1/8")

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**TH INDUSTRIES CO.,LTD.**

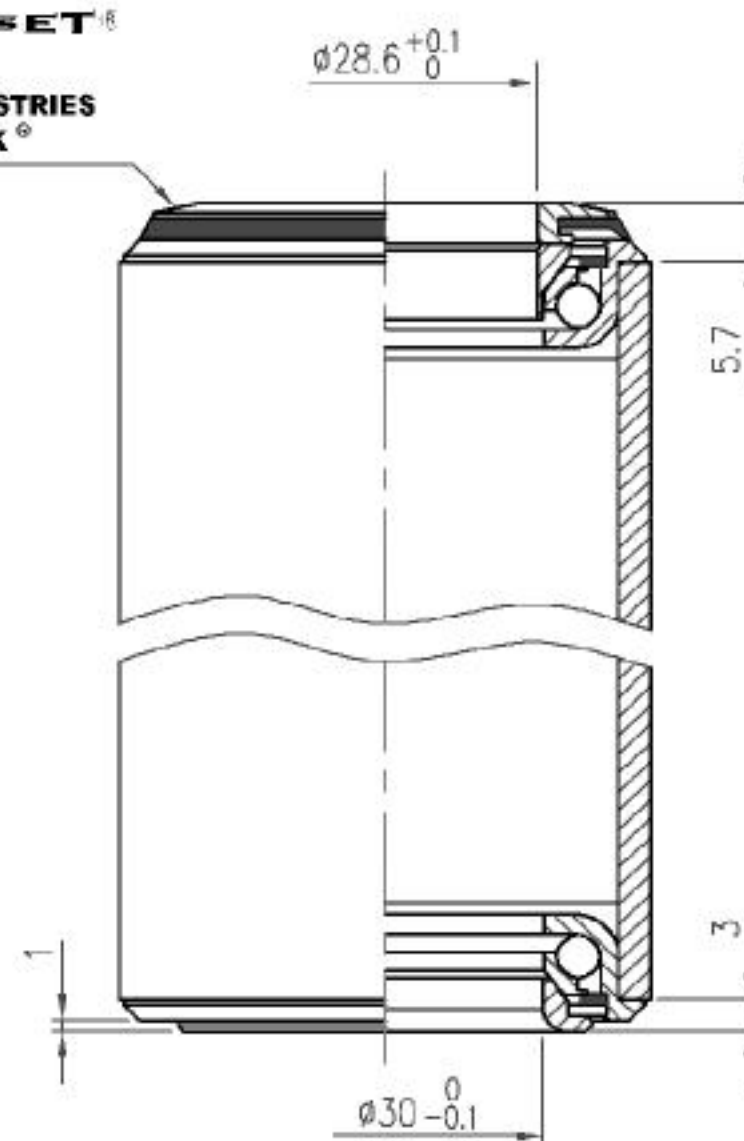
# 1-1/8"

## Semi-cartridge type



- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Alloy top cover w/seal
- Chromoly cups
- Semi-cartridge cup bearing

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pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



No	Item No	Material	Qty
⑤	H6018 {B-53-6}	Steel	1PCS
④	MR052	CrMo	2PCS
③	H2036 {NO.5-2}	Nylon	1PCS
②	MS072	Rubber	1PCS
①	H2095 {NO.11G-2}	6061 / T6	1PCS

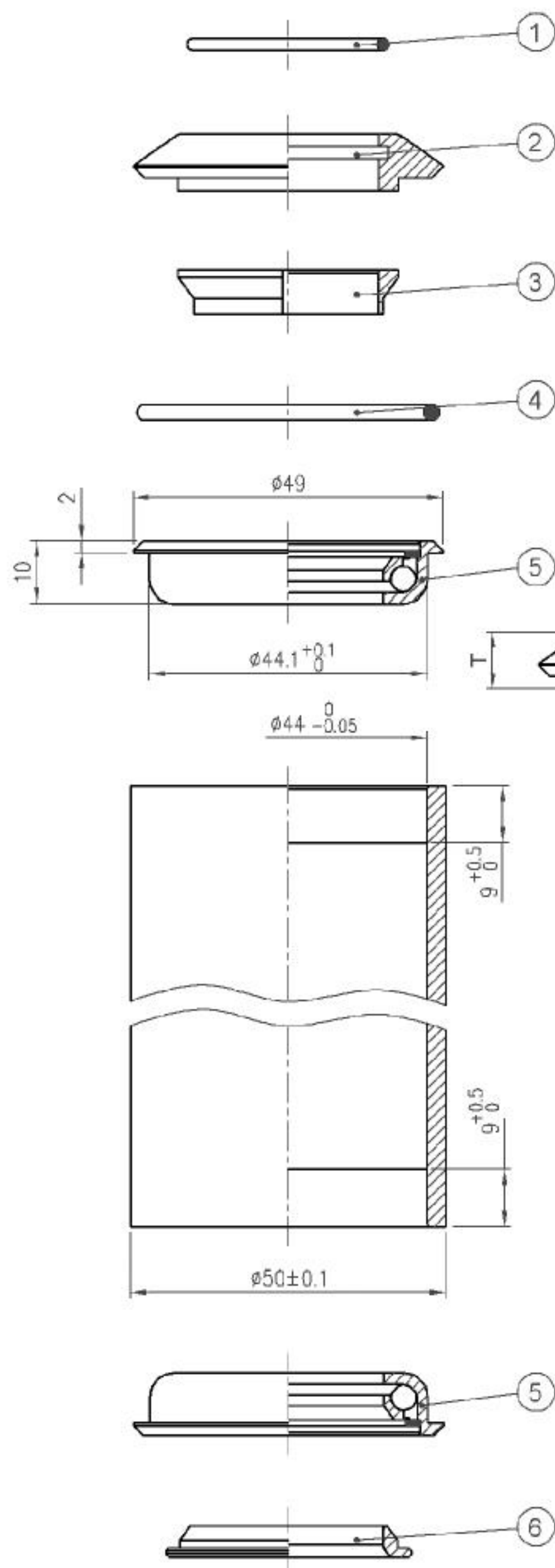
Stack Height: 5.7+3=8.7

NO.11G (1-1/8")

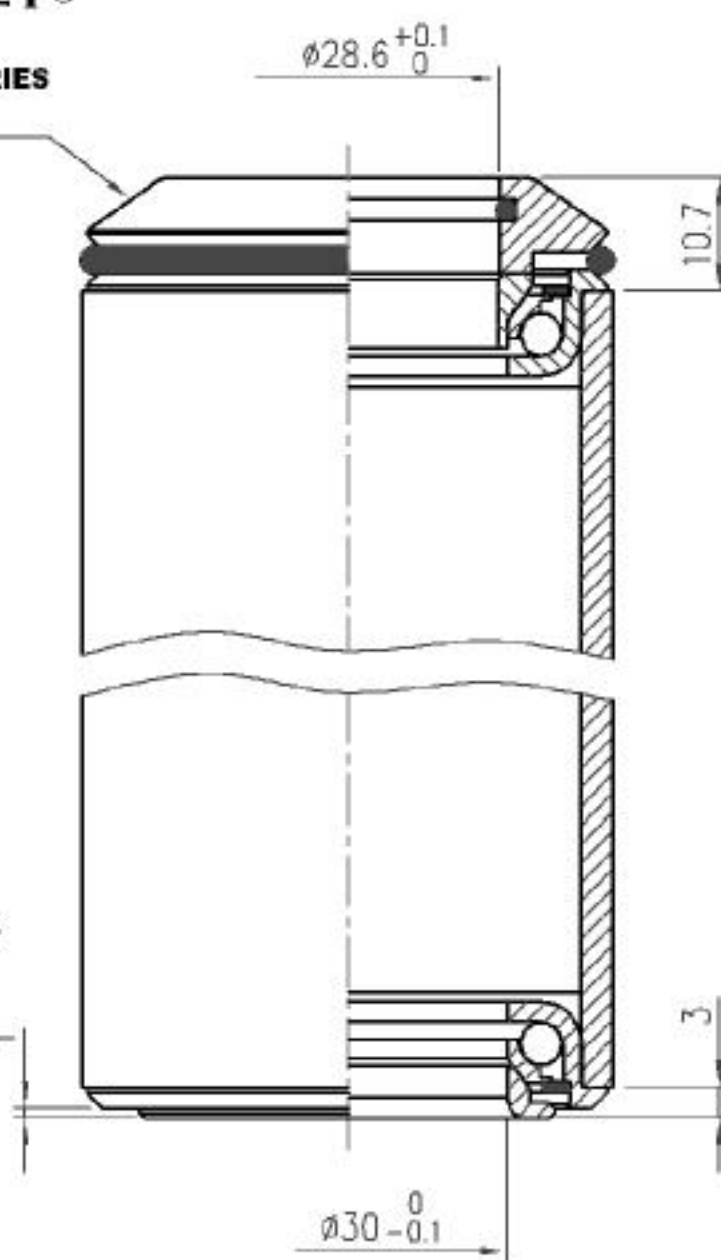
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# 1-1/8" Semi-cartridge type



**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2055F	15mm
H2055G	20mm
H2055H	25mm
H2055I	30mm
H2055J	35mm

Install external O-ring seal  
as last step.



- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Alloy top cover
- Chromoly cups
- Semi-cartridge cup bearing

No	Item No	Material	Qty
⑥	H6018 {B-53-6}	Steel	1PCS
⑤	MR052	CrMo	2PCS
④	MS036 {875-4-5}	Rubber	1PCS
③	H2036 {NO.5-2}	Nylon	1PCS
②	H2055 {NO.11}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

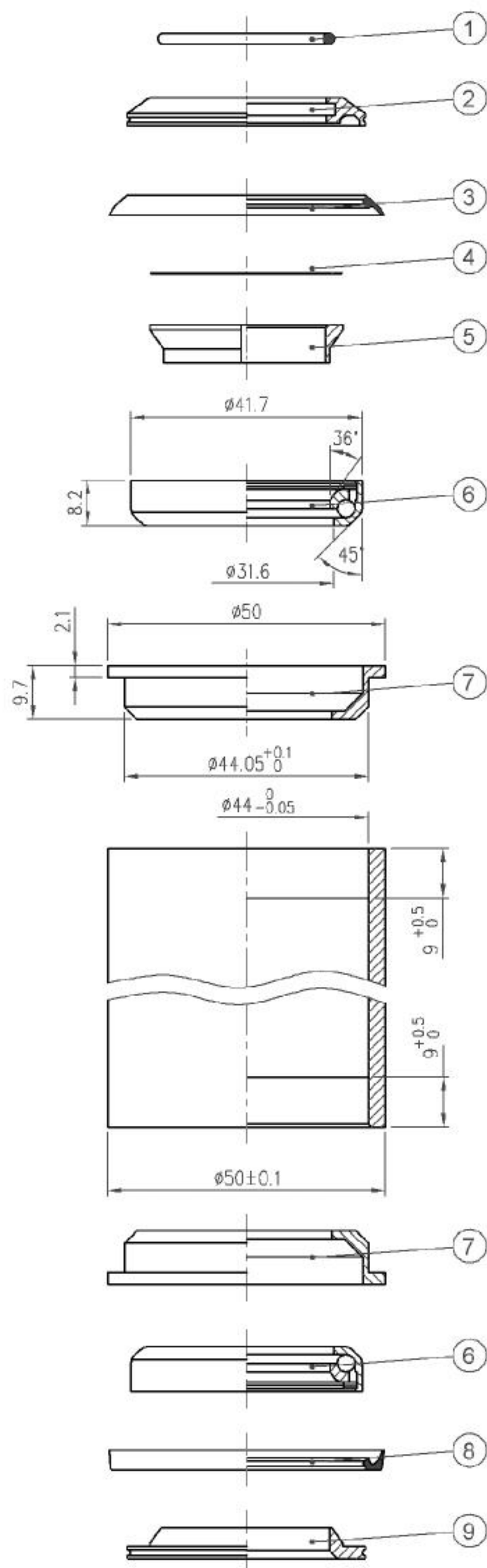
Stack Height: 10.7+3=13.7

NO.11 (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

# 1-1/8"

## 36° / 45° Economic ACB

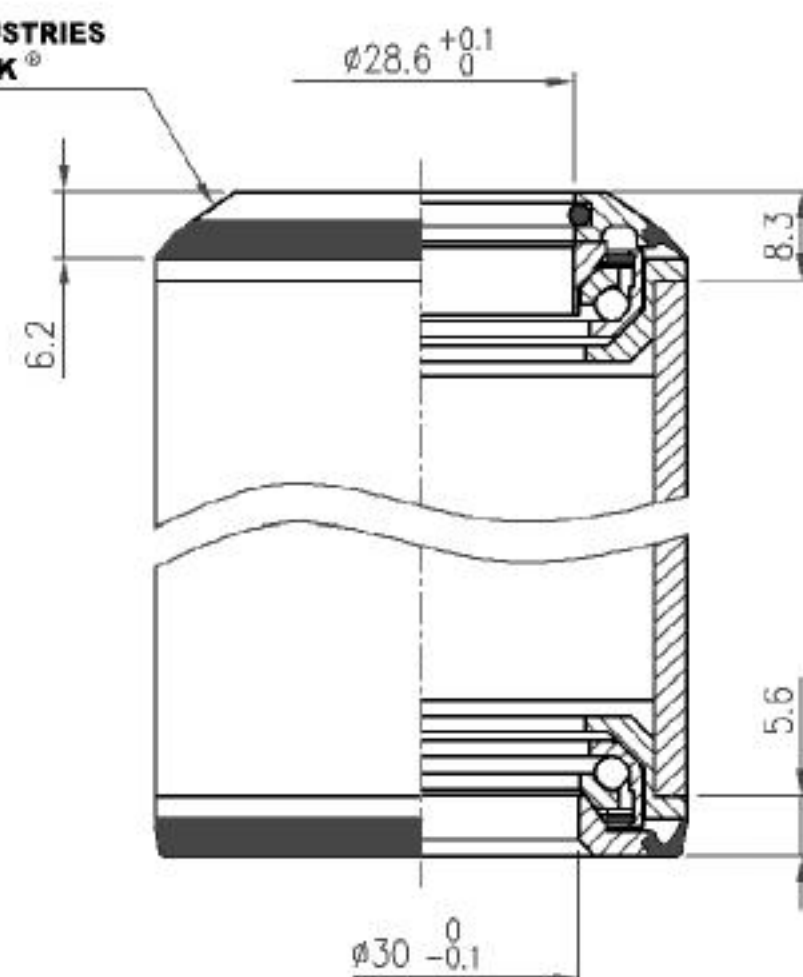


- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Economic Angular Contact Bearings
- Chromoly cups

**AHEADSET®**

pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2090C	15mm
H2090D	20mm
H2090E	25mm
H2090F	30mm



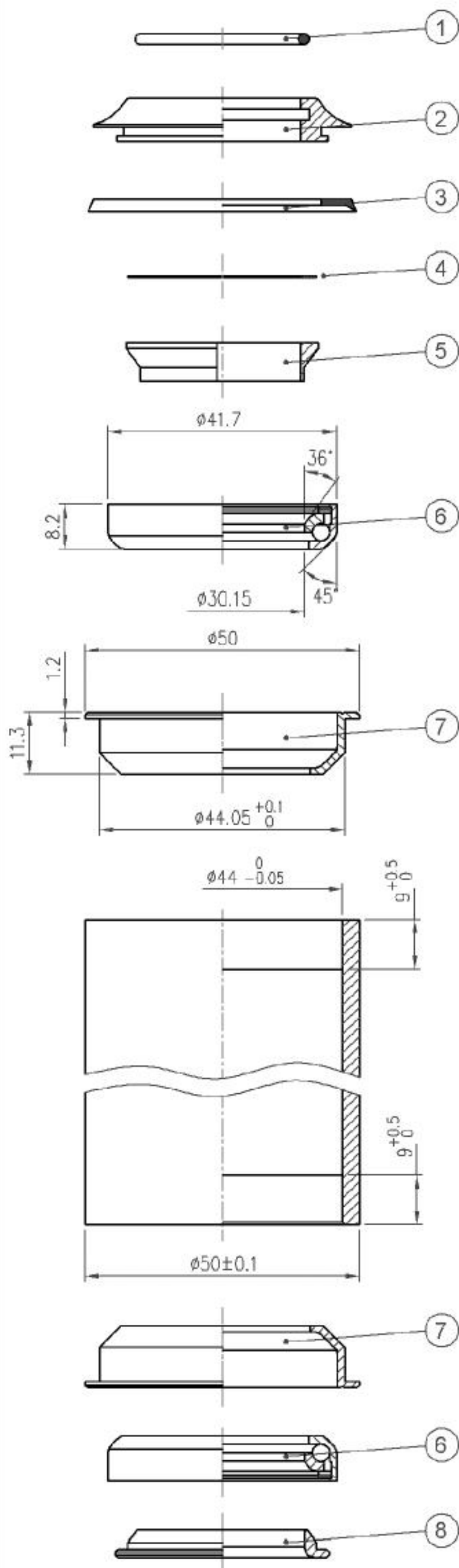
No	Item No	Material	Qty
⑨	H6058	Steel	1PCS
⑧	MS104	Rubber	1PCS
⑦	H7038	CrMo	2PCS
⑥	MR075 {TH-800}	Chrome steel	2PCS
⑤	H2036	6061 / T6	1PCS
④	MW006 Micro Spacer	Steel	1PCS
③	MS098 {ZS-3-1-1/8"}	P.P	1PCS
②	H2090 {ZS-3-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 8.3+5.6=13.9

ZS-4 (1-1/8")

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**TH INDUSTRIES CO.,LTD.**



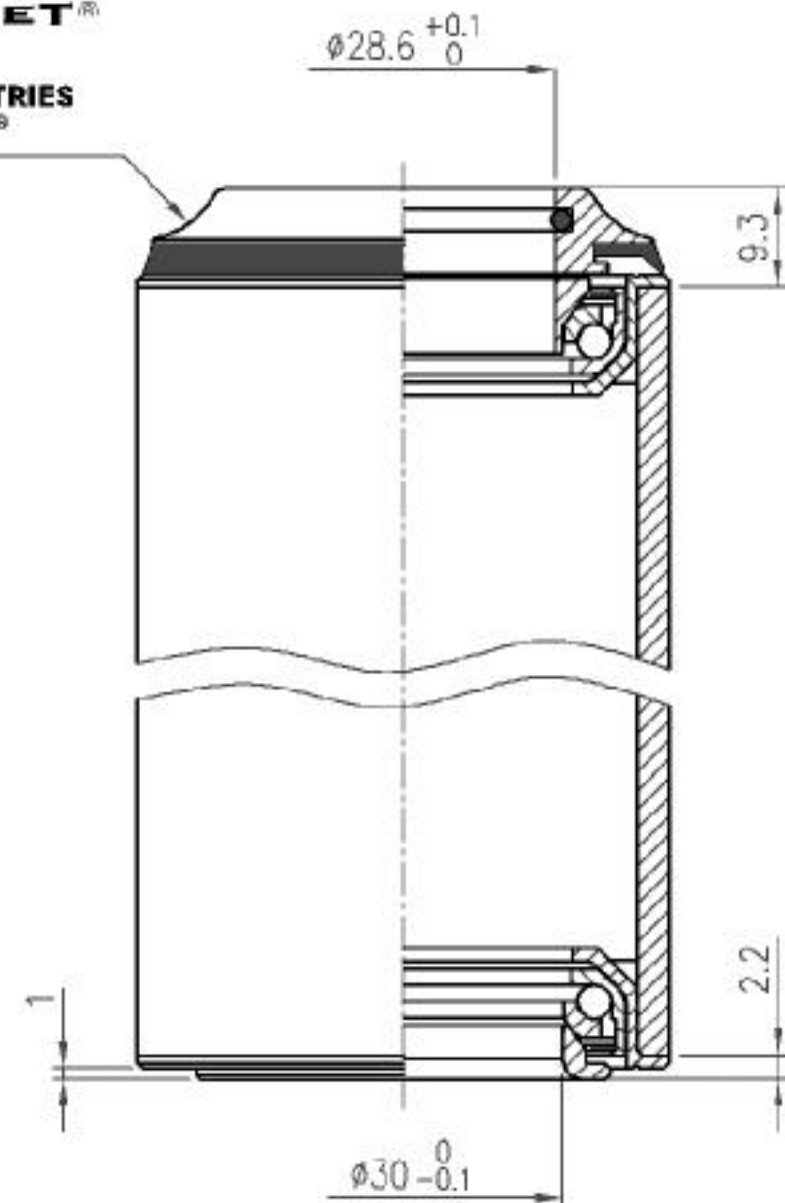


- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Economic Angular Contact Bearings
- Chromoly deep cups

# 1-1/8"

## 36° / 45° Economic ACB

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2090C	15mm
H2090D	20mm
H2090E	25mm
H2090F	30mm



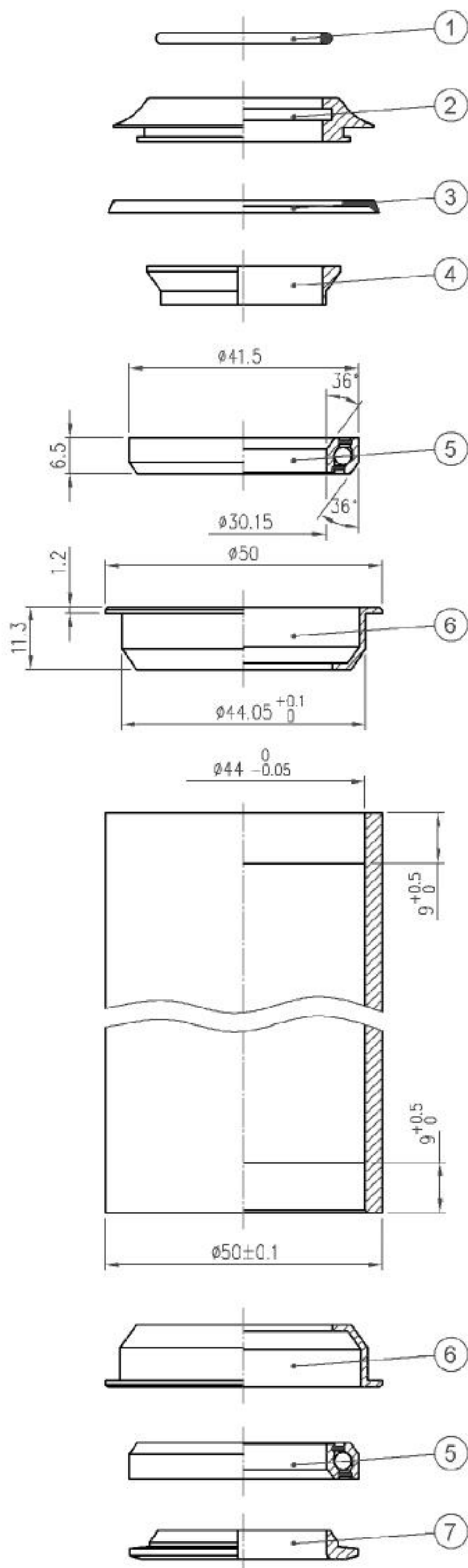
No	Item No	Material	Qty
⑧	H6018 {B-53-6}	Steel	1PCS
⑦	H7048	CrMo	2PCS
⑥	MR075	Chrome steel	2PCS
⑤	H2036 {NO.5-2}	Nylon	1PCS
④	MW006	Steel	1PCS
③	MS073	Rubber	1PCS
②	H2051A	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.3+2.2=11.5

ZS-4D (1-1/8")

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**TH INDUSTRIES CO.,LTD.**





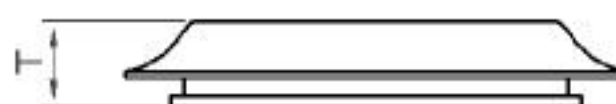
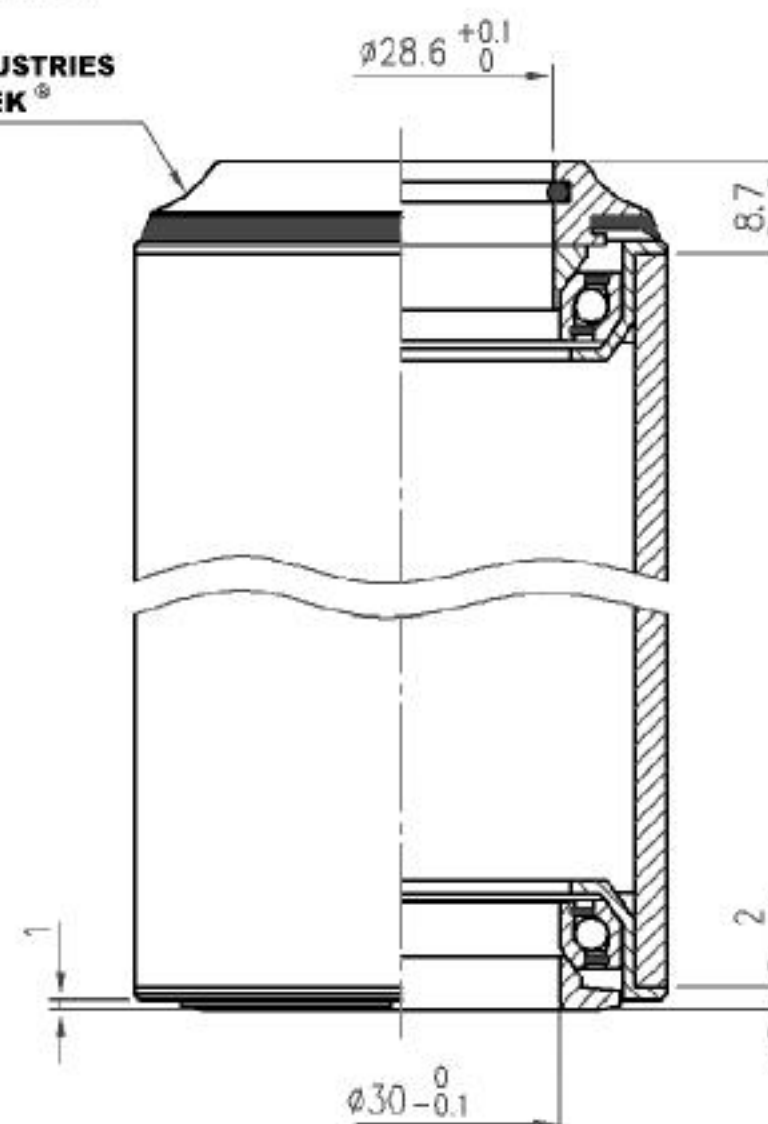
- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Chromoly deeper cups
- Angular Contact Bearing(Red seal)
- 7075 Alloy crown race

# 1-1/8"

## 36° / 36° ACB

### Deeper cups

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2051F	10mm
H2051B	15mm
H2051G	20mm
H2051E	25mm
H2051H	30mm



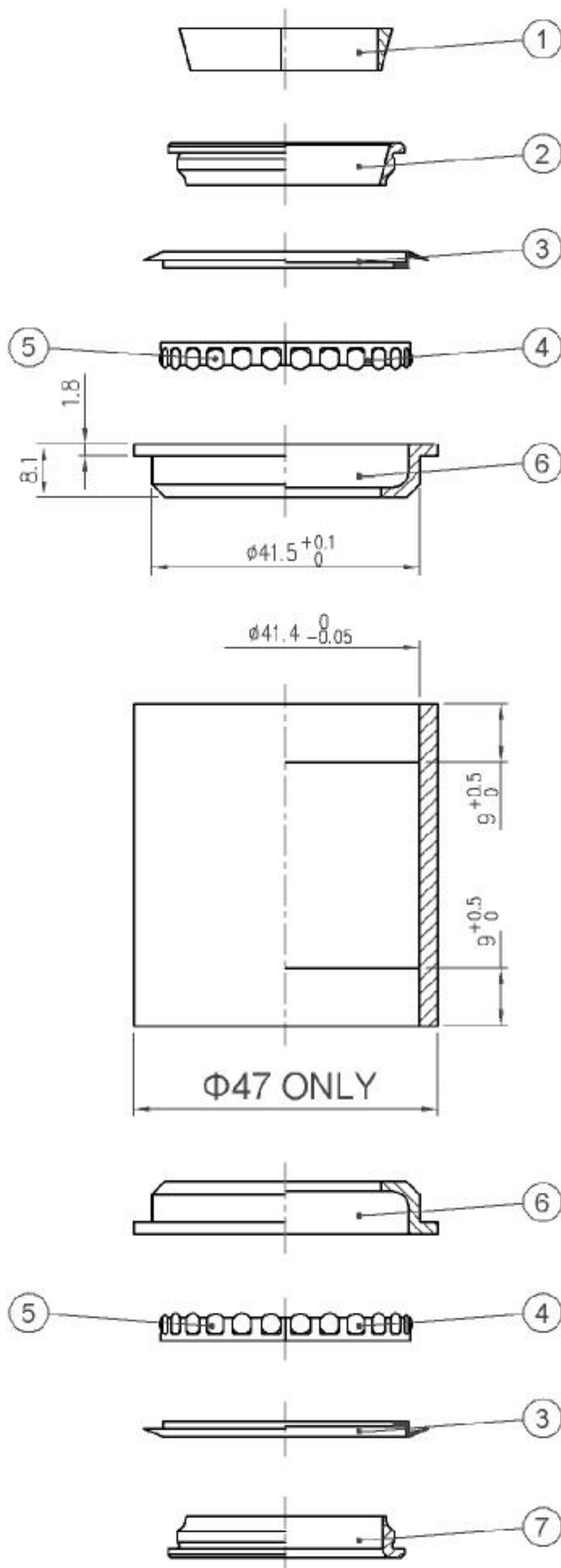
No	Item No	Material	Qty
⑦	H6026 {NO.14-6}	7075 / T6	1PCS
⑥	H7020	CrMo	2PCS
⑤	MR049 {872-2RS}	Chrome steel	2PCS
④	H2036 {NO.5-2}	Nylon	1PCS
③	MS073	Rubber	1PCS
②	H2051A	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 8.7+2=10.7

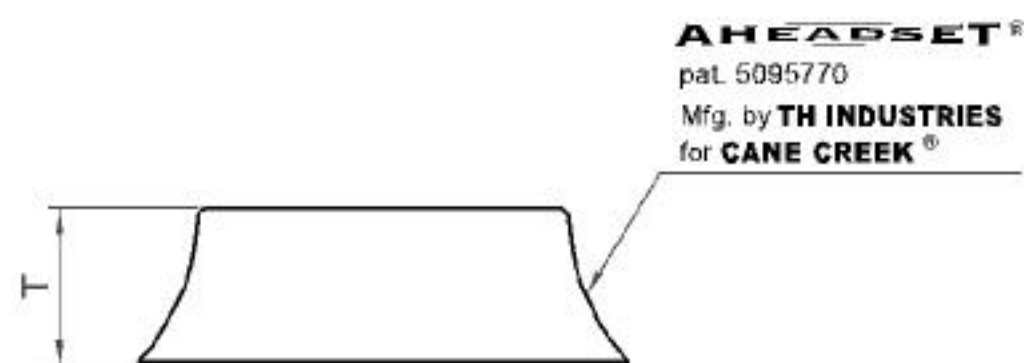
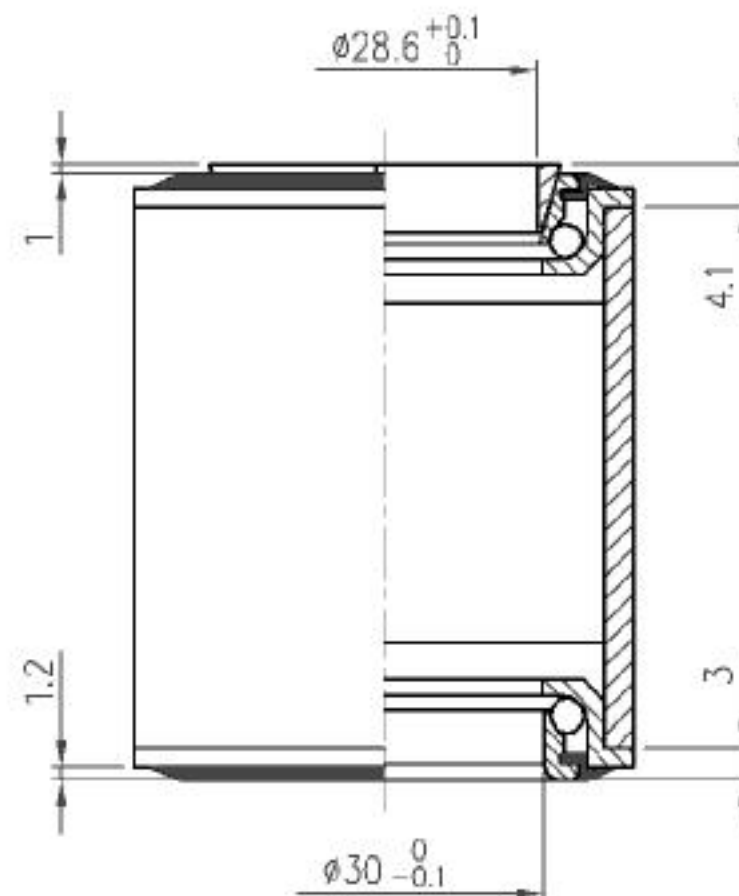
NO.9M/CUP/TH (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

# 1-1/8" Front fork (47mm Headtube)



- Internal style headset
- For 47mm OD headtube
- 1-1/8" steerer
- Chromoly cups
- $\Phi 1/8"$  Caged ball bearings



Custom cone spacer	
Item No	T
H2084A	10mm
H2084B	15mm
H2084C	20mm
H2084D	25mm
H2084E	30mm



No	Item No	Material	Qty
⑦	H6037 {NO.10AY-6}	Steel	1PCS
⑥	H4061	CrMo	2PCS
⑤	MR048 { $\Phi 1/8"$ x500#}	Chrome steel	52PCS
④	MR064 { $\Phi 1/8"$ x24A}	Steel	2PCS
③	MS094	ABS	2PCS
②	H3037 {NO.10AY-3}	Steel	1PCS
①	H2074 {NO.10AY-2}	6061/T6	1PCS

Stack Height: 4.1+3=7.1

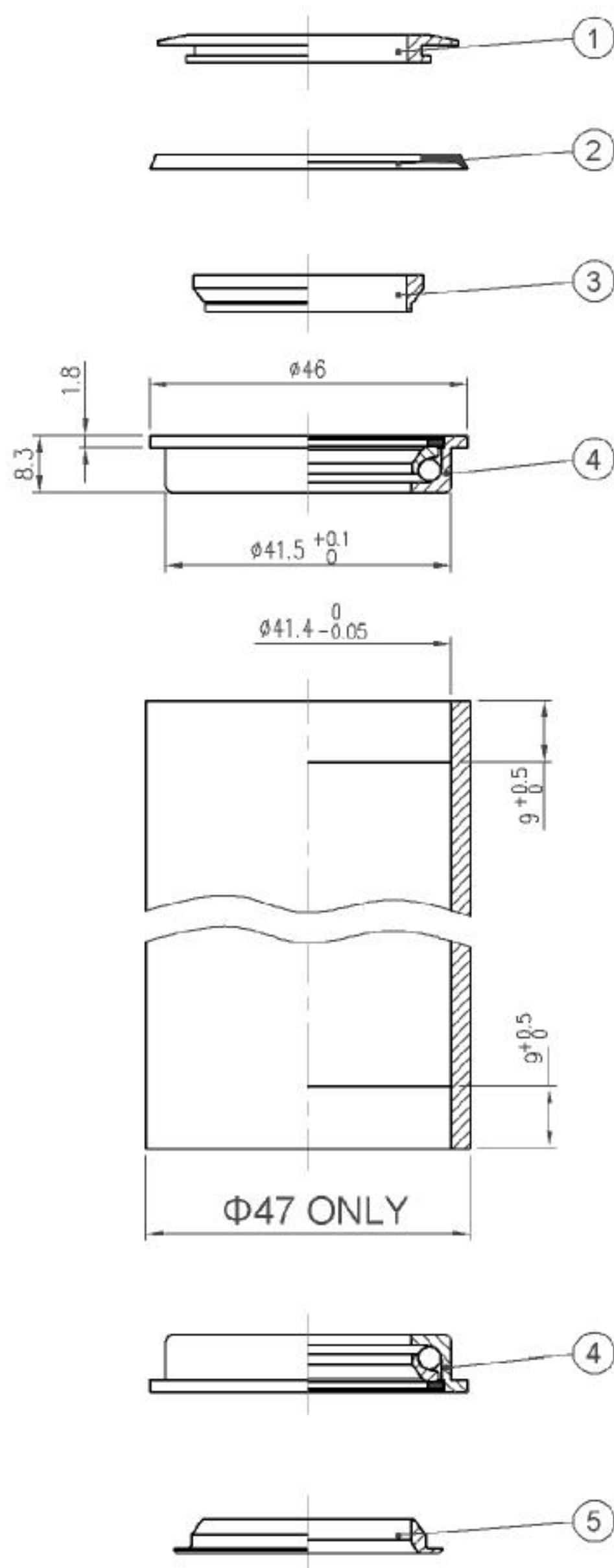
NO.10AY (1-1/8" / 1")

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TH INDUSTRIES CO.,LTD.



# 1-1/8"

## Semi-cartridge type (47mm Headtube)

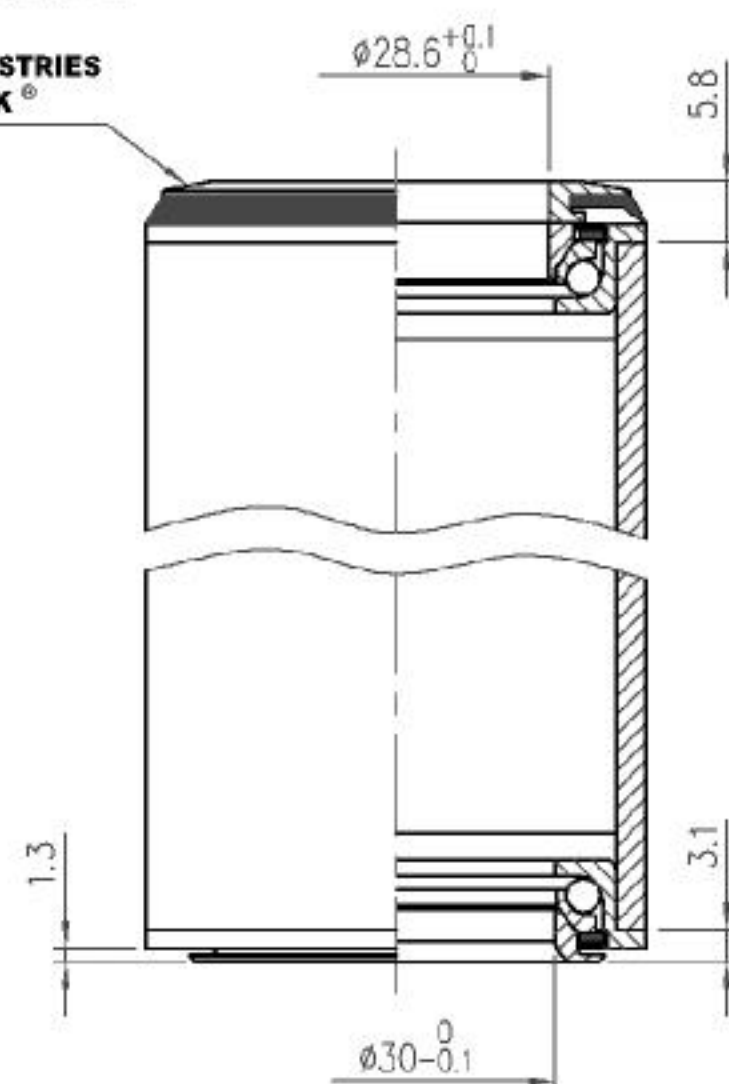


- Internal style headset
- For 47mm OD headtube
- 1-1/8" steerer
- Alloy top cover
- Chromoly cups
- Semi-cartridge cup bearing

**AHEADSET®**

pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



No	Item No	Material	Qty
⑤	H6062	Steel	1PCS
④	MR085	CrMo	2PCS
③	H2145	6061 / T6	1PCS
②	MS072	Rubber	1PCS
①	H2095 {NO.11G-2}	6061 / T6	1PCS

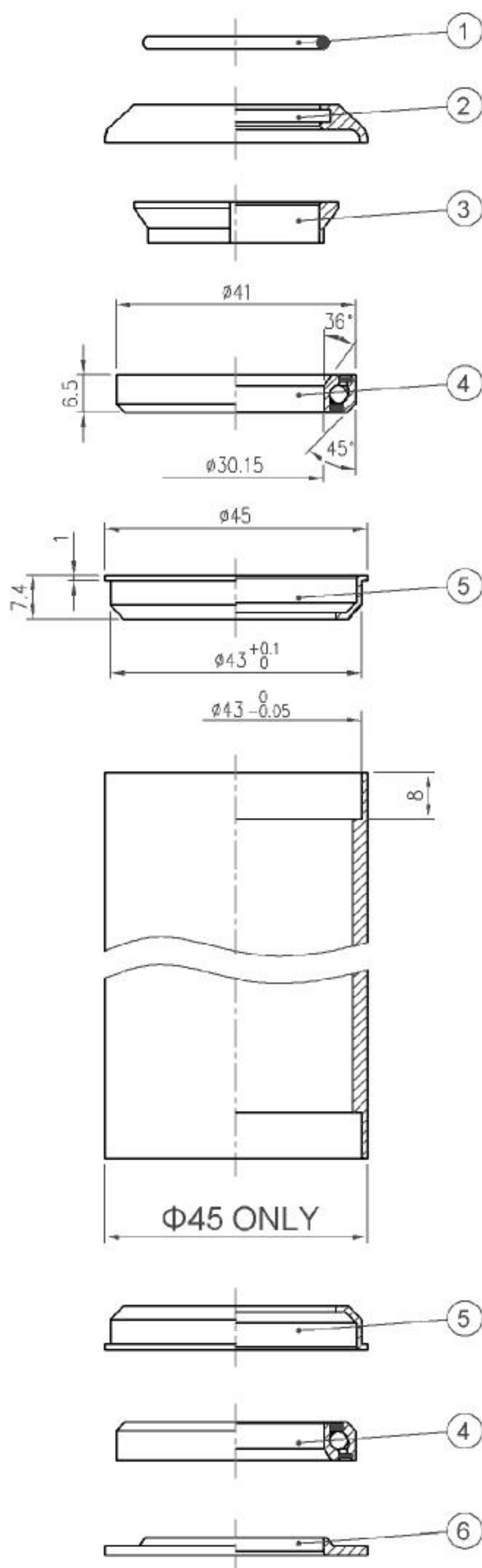
Stack Height: 5.8+3.1=8.9

NO.11AGY (1-1/8")

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**TH INDUSTRIES CO.,LTD.**

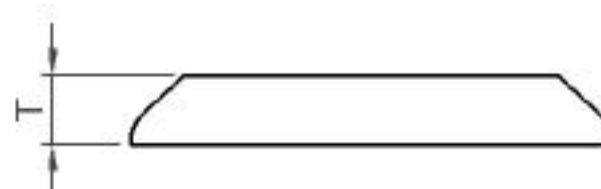
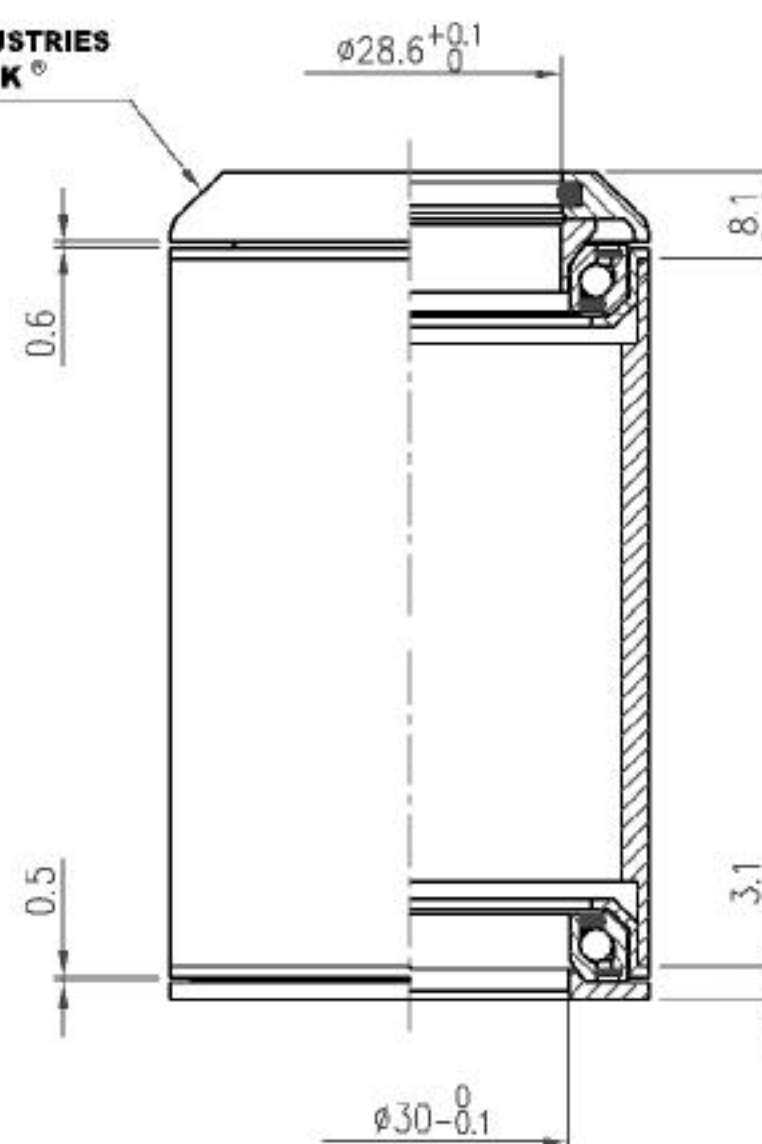
1-1/8"

45mm Headtube  
36° / 45° ACB



- Internal style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Angular Contact Bearing(Blue seal)
- Chromoly cups

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2088B	15mm
H2088C	20mm
H2088D	25mm
H2088E	30mm



No	Item No	Material	Qty
⑥	H6061 {NO.12AY-6}	Steel	1PCS
⑤	H7039	CrMo	2PCS
④	MR054 {873-2RS}	Chrome steel	2PCS
③	H2036 {NO.5-2}	6061 / T6	1PCS
②	H2088	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

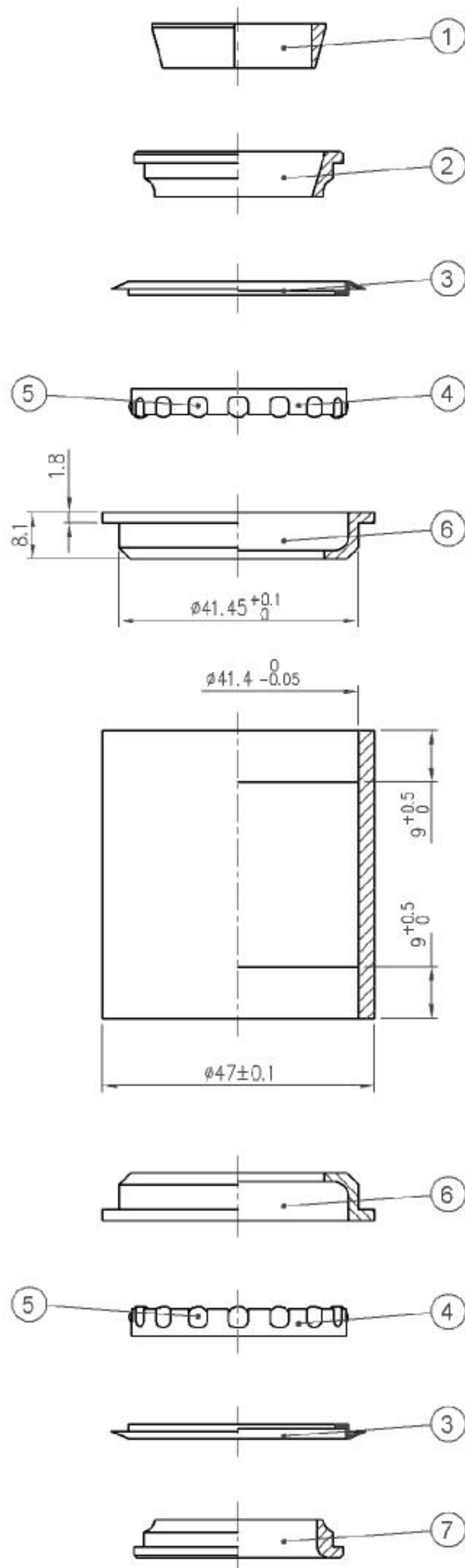
Stack Height:  $8.1 + 3.1 = 11.2$

NO.12AY

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TH INDUSTRIES CO.,LTD.

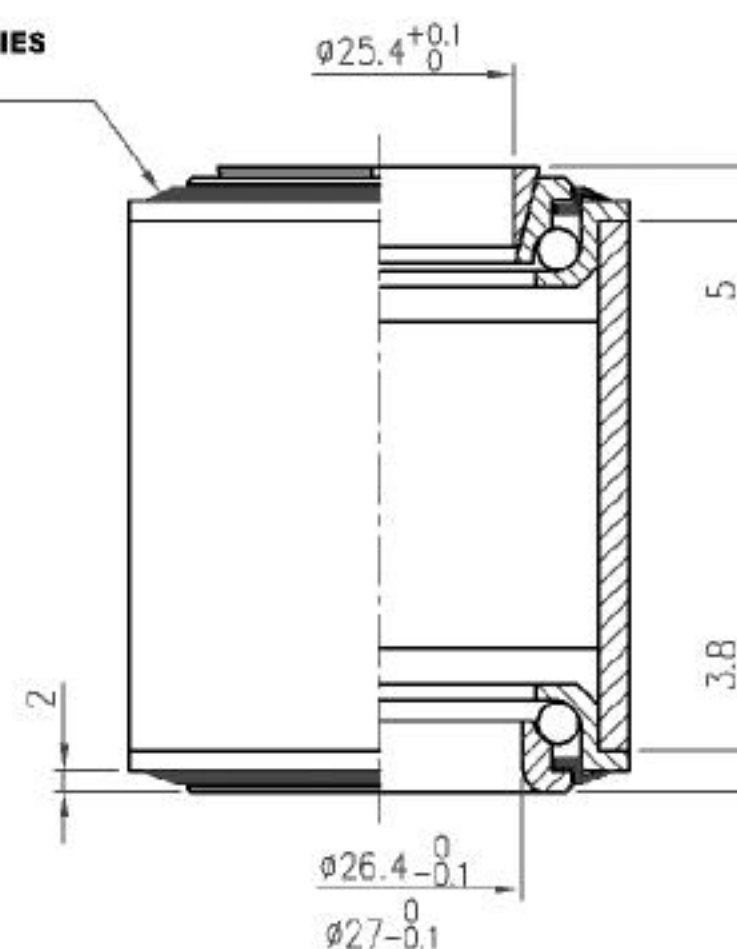


1"



- Internal style headset
- For 47mm OD headtube
- 1" steerer
- Chromoly cups
- $\Phi 5/32"$  Caged ball bearings

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2076C	10mm
H2076A	15mm
H2076D	20mm
H2076B	25mm
H2076E	30mm



No	Item No	Material	Qty
⑦	H6006 {390-6}	Steel	1PCS
⑥	H4061 {ZST-1"-4-5}	CrMo	2PCS
⑤	MR001 { $\Phi 5/32"$ x500#}	Chrome steel	32PCS
④	MR007 { $\Phi 5/32"$ x16}	Steel	2PCS
③	MS094	ABS	2PCS
②	H3066 {NO.10A-3}	Steel	1PCS
①	H2018 {NO.2A-2}	Nylon	1PCS

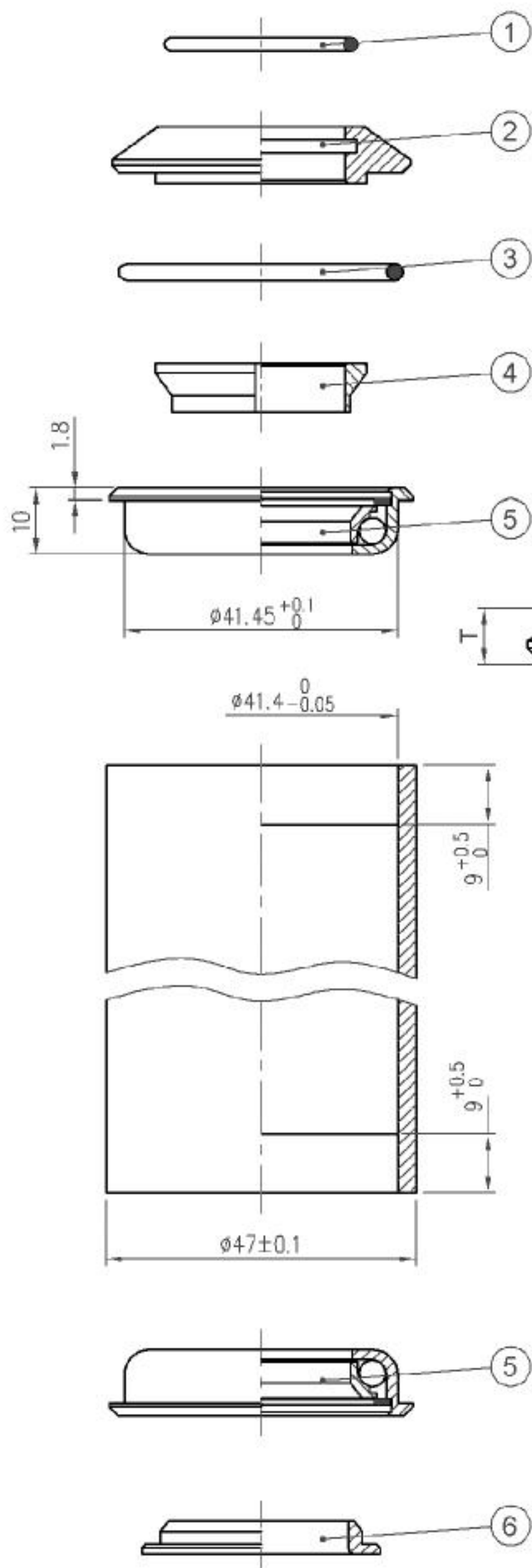
Stack Height: 5+3.8=8.8

ZST (NO.10A) 1"

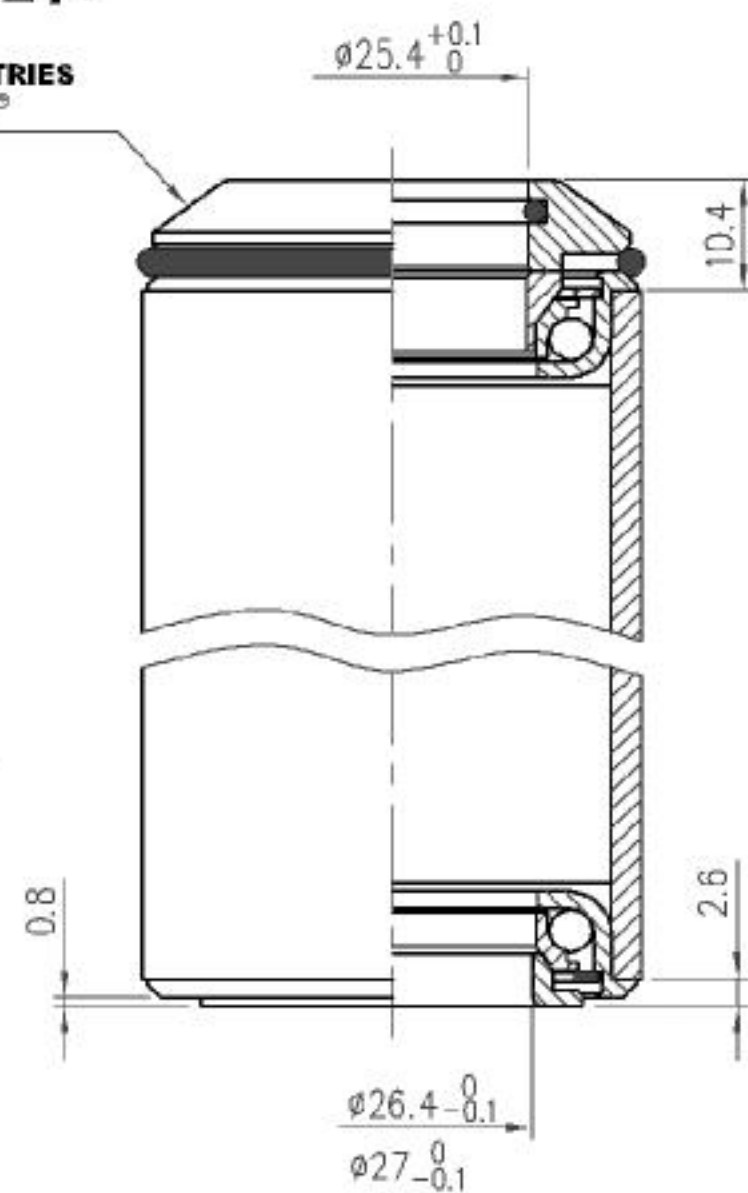
天心工業股份有限公司  
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# 1"

## Semi-cartridge type



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pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Install external O-ring seal  
as last step.



- Internal style headset
- For 47mm OD headtube
- 1" steerer
- Alloy top cover
- Chromoly cups
- Semi-cartridge cup-bearing

Custom cone spacer	
Item No	T
H2057B	10mm
H2057C	15mm
H2057D	20mm
H2057E	25mm
H2057F	30mm

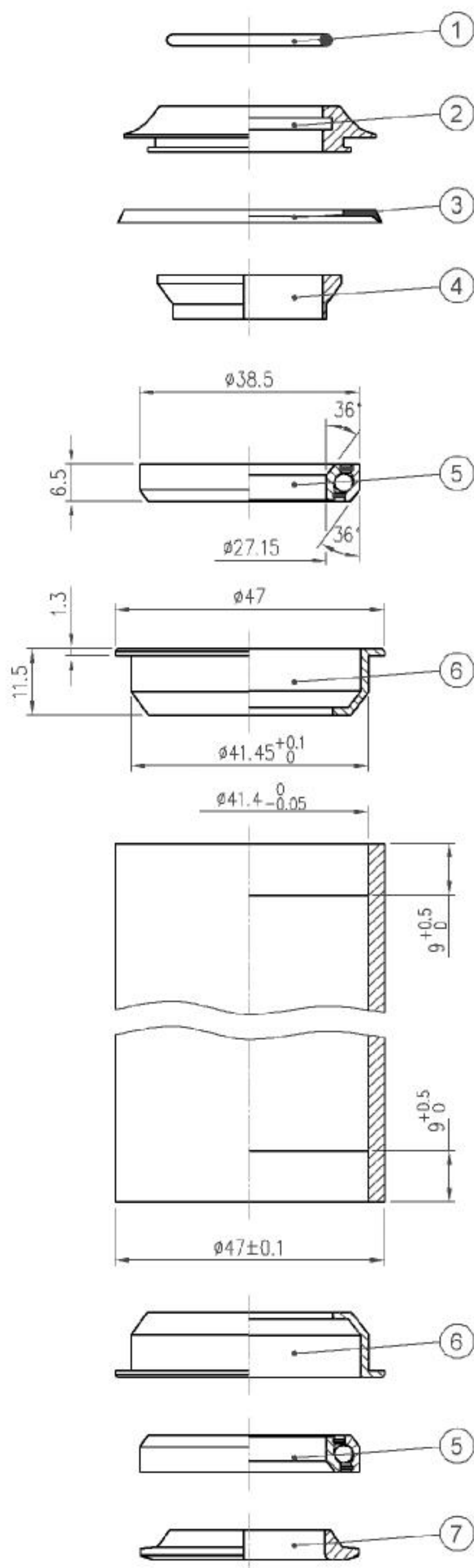
No	Item No	Material	Qty
⑥	H6002 {1151-6}	Steel	1PCS
⑤	MR053	CrMo	2PCS
④	H2019 {N0.5A-2}	Nylon	1PCS
③	MS029 {375-4~5}	Rubber	1PCS
②	H2057 {NO.11A-2}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 10.4+2.6=13

NO.11A (1")

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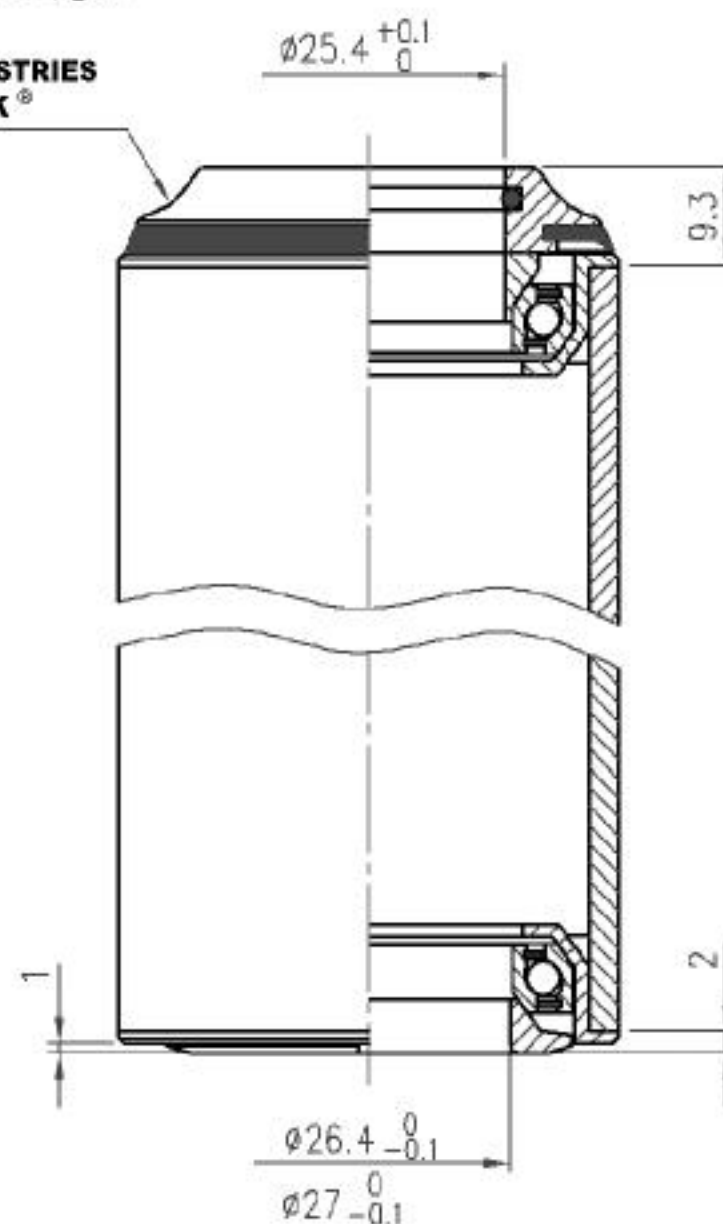
- Internal style headset
- For 47mm OD headtube
- 1" steerer
- Angular Contact Bearings (Red seal)
- Forged chromoly cups
- 7075/T6 crown race

# 1"

## 36° / 36° ACB

### Deeper cups

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2050C	10mm
H2050D	15mm
H2050E	20mm
H2050F	25mm
H2050G	30mm

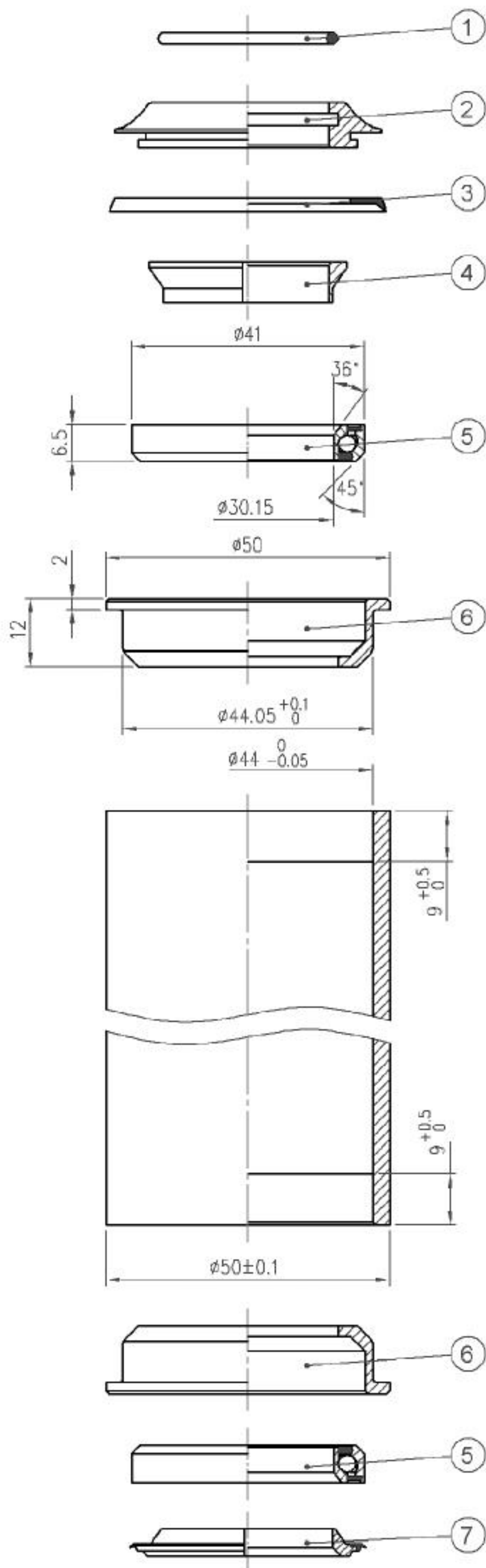


No	Item No	Material	Qty
⑦	H6032	7075 / T6	1PCS
⑥	H7019	CrMo	2PCS
⑤	MR050 {372-2RS}	Chrome steel	2PCS
④	H2019 {NO.5A-2}	Nylon	1PCS
③	MS072	Rubber	1PCS
②	H2050A	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 9.4+2=11.4

NO.9AM/CUP/TH (1")

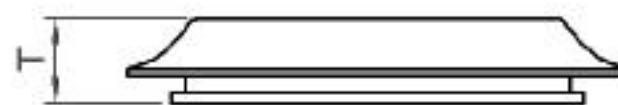
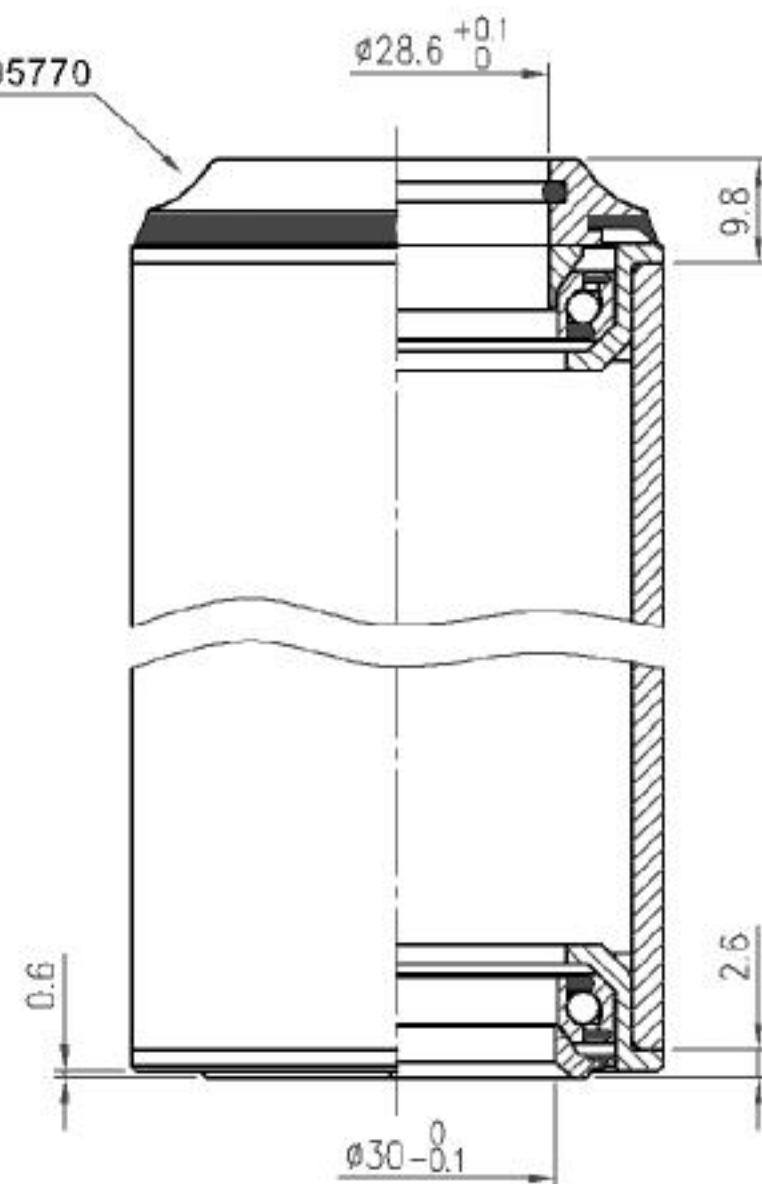
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**TH INDUSTRIES CO.,LTD.**



- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Angular Contact Bearing (Blue seal)
- Forged alloy cups
- Rubber sealed crown race

1-1/8"  
36° / 45° ACB  
Deeper cups

U.S.A. PAT. 5095770



Custom cone spacer	
Item No	T
H2051F	10mm
H2051B	15mm
H2051G	20mm
H2051E	25mm
H2051H	30mm



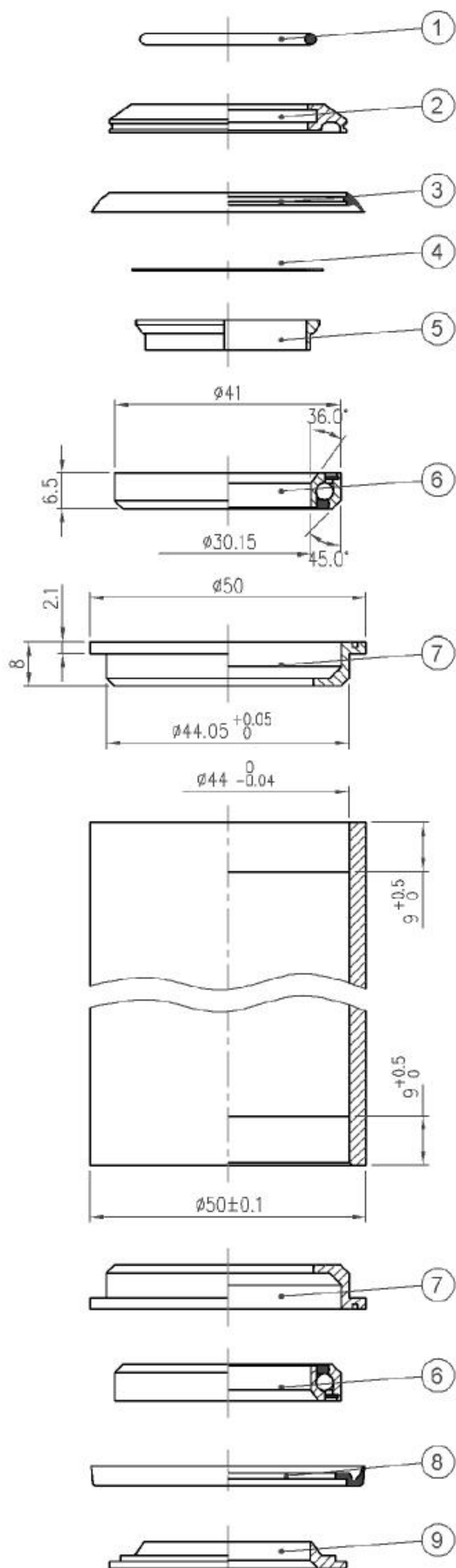
No	Item No	Material	Qty
⑦	H6056	Steel w/ rubber sealed	1PCS
⑥	H7023	6061 / T6	2PCS
⑤	MR054 {873-2RS}	Chrome steel	2PCS
④	H2036 {NO.5-2}	6061 / T6	1PCS
③	MS073	Rubber	1PCS
②	H2051A	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.8+2.6=12.4

Orbit Z (NO.9M/CUP/CC) 1-1/8"

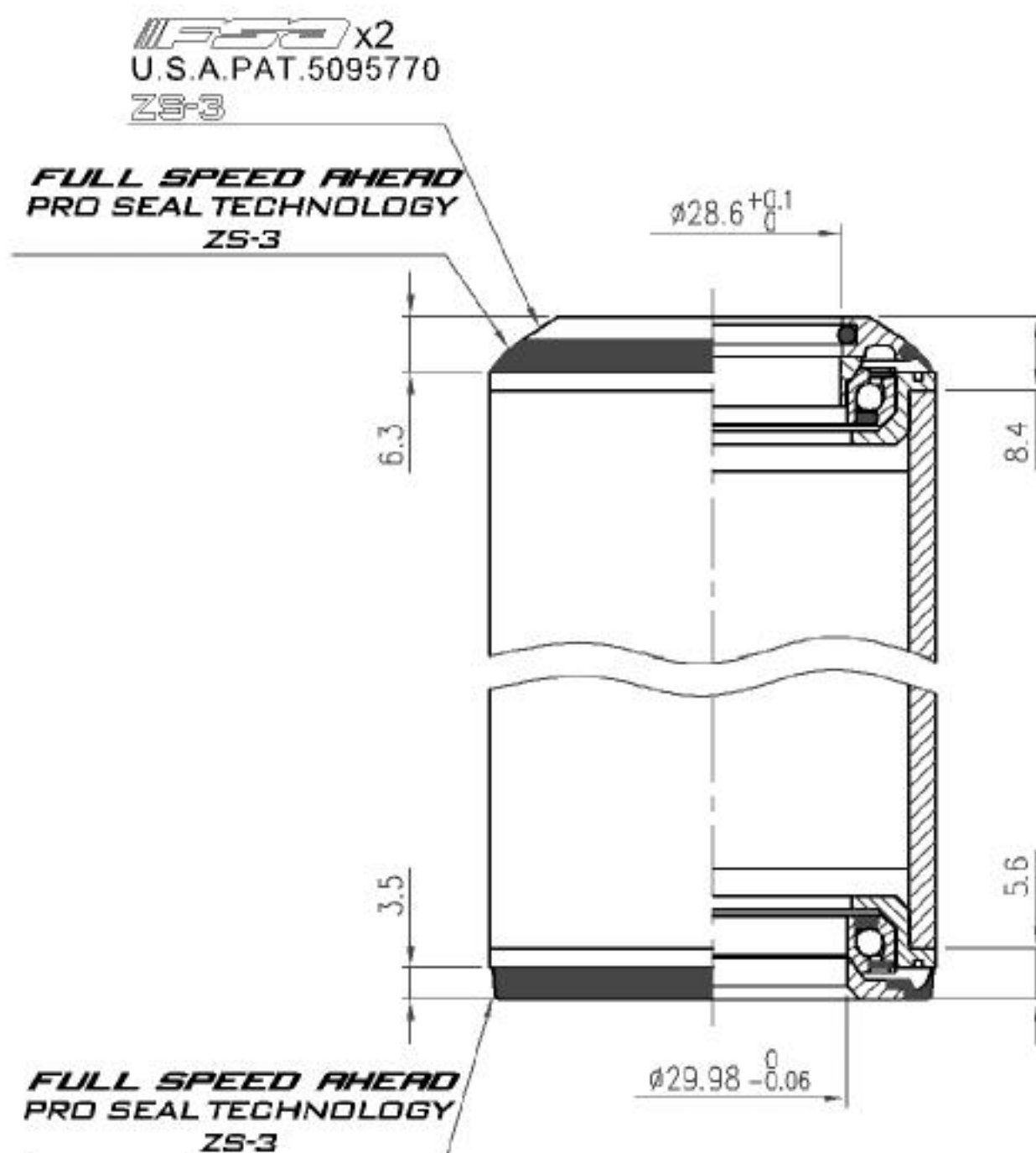
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TH INDUSTRIES CO.,LTD.





- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Alloy shallow cups
- Angular Contact Bearings(Blue seal)

1-1/8"  
36° / 45° ACB



Custom cone spacer		
Item No	Item No	
Carbon	Alloy	T
H2128A	H2090C	15mm
	H2090D	20mm
	H2090E	25mm
	H2090F	30mm



No	Item No	Material	Qty
⑨	H6053 {ZS-3-6}	Steel	1PCS
⑧	MS144	Rubber	1PCS
⑦	H7031 {ZS-2-1-1/8"}	6061 / T6	2PCS
⑥	MR054 {873-2RS}	Chrome steel	2PCS
⑤	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
④	MW006 Micro Spacer	Steel	1PCS
③	MS098 {ZS-3-1-1/8"}	Rubber	1PCS
②	H2090 {ZS-3~2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

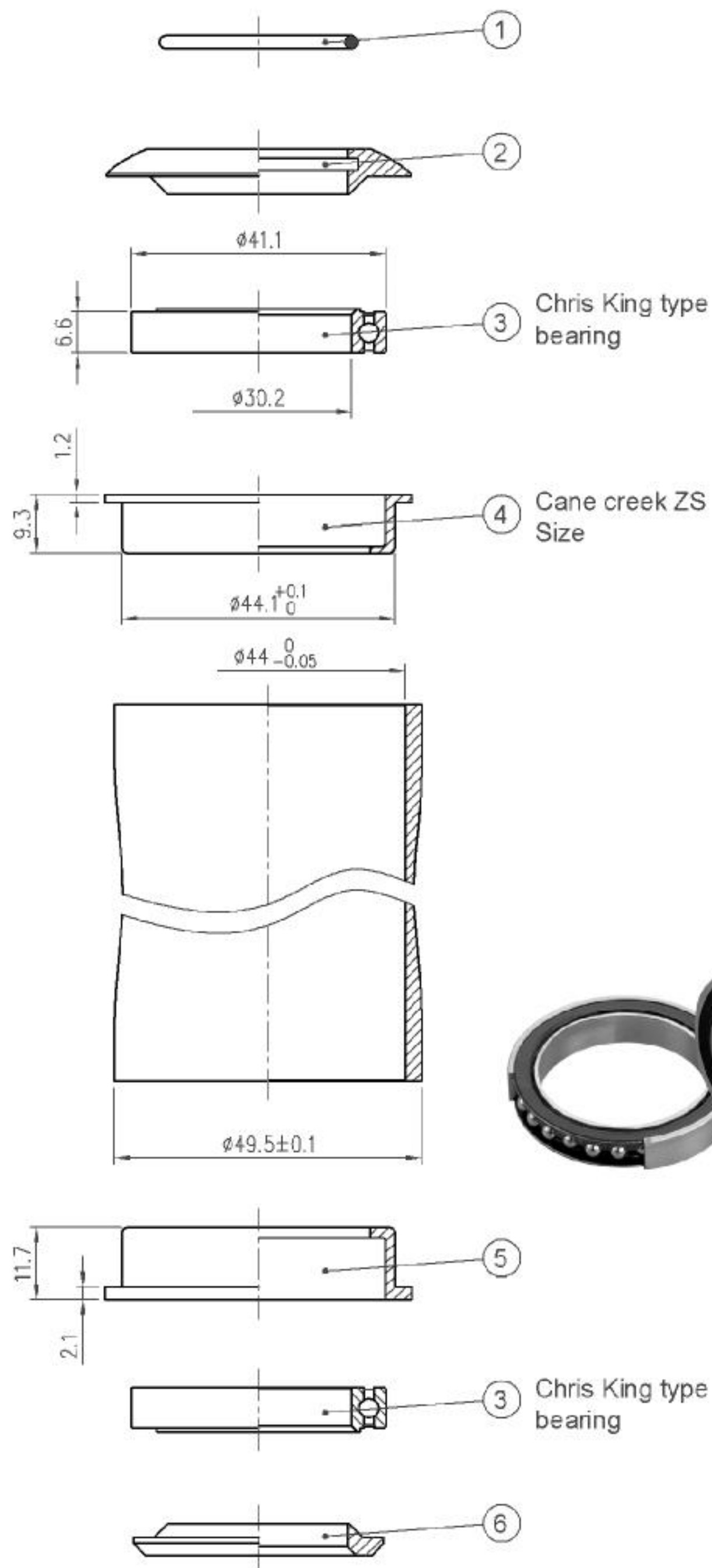
Stack Height 8.4+5.6=14

Orbit ZS (ZS-3) 1-1/8"

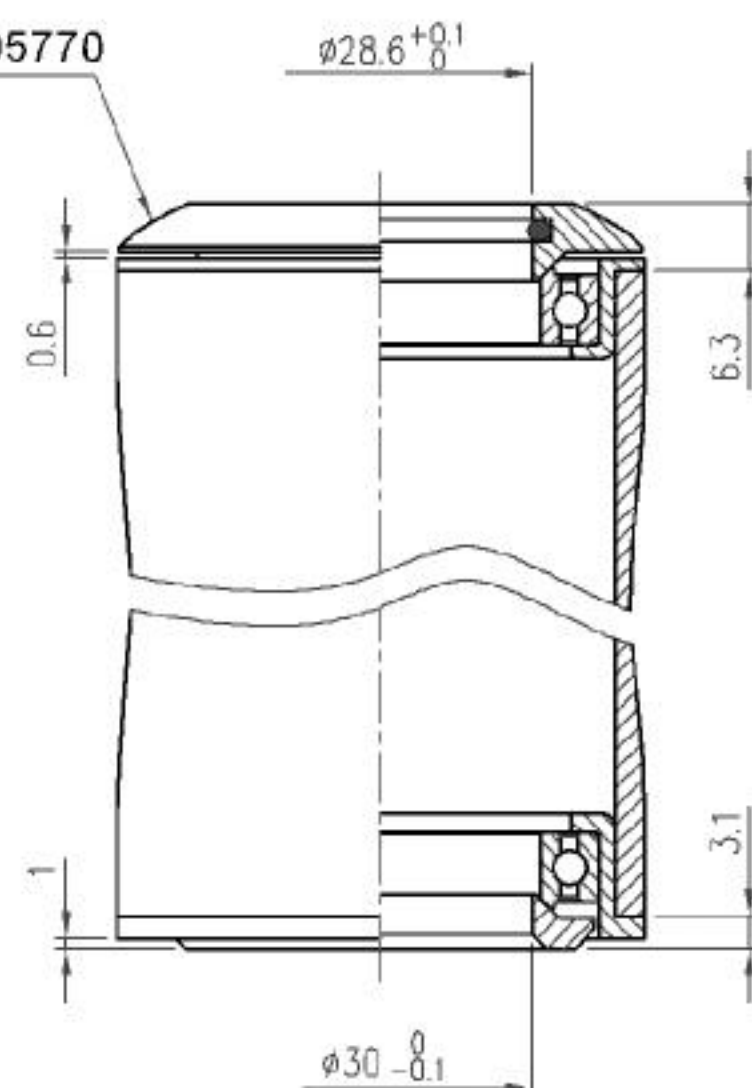
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TH INDUSTRIES CO.,LTD.

# 1-1/8"

## Best



**FSA**  
U.S.A. PAT.5095770



- Internal style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Alloy cups
- Stainless steel Chris King type bearing
- Stainless steel crown race

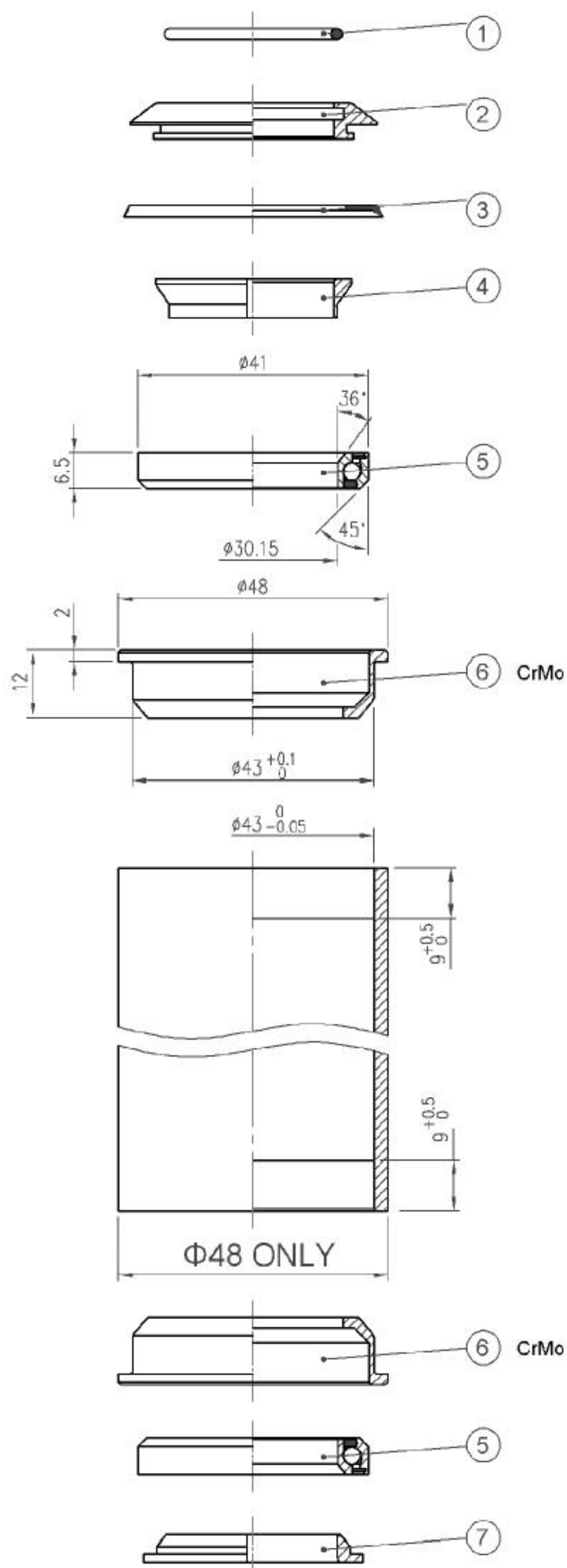
No	Item No	Material	Qty
⑥	H6047 {NO.33-6}	Stainless	1PCS
⑤	H5019	6061 / T6	1PCS
④	H4055	6061 / T6	1PCS
③	MR062 {874S}	Stainless	2PCS
②	H3073	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 6.3+3.1=9.4

Oribt ZR (NO.34) 1-1/8"

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TH INDUSTRIES CO.,LTD.

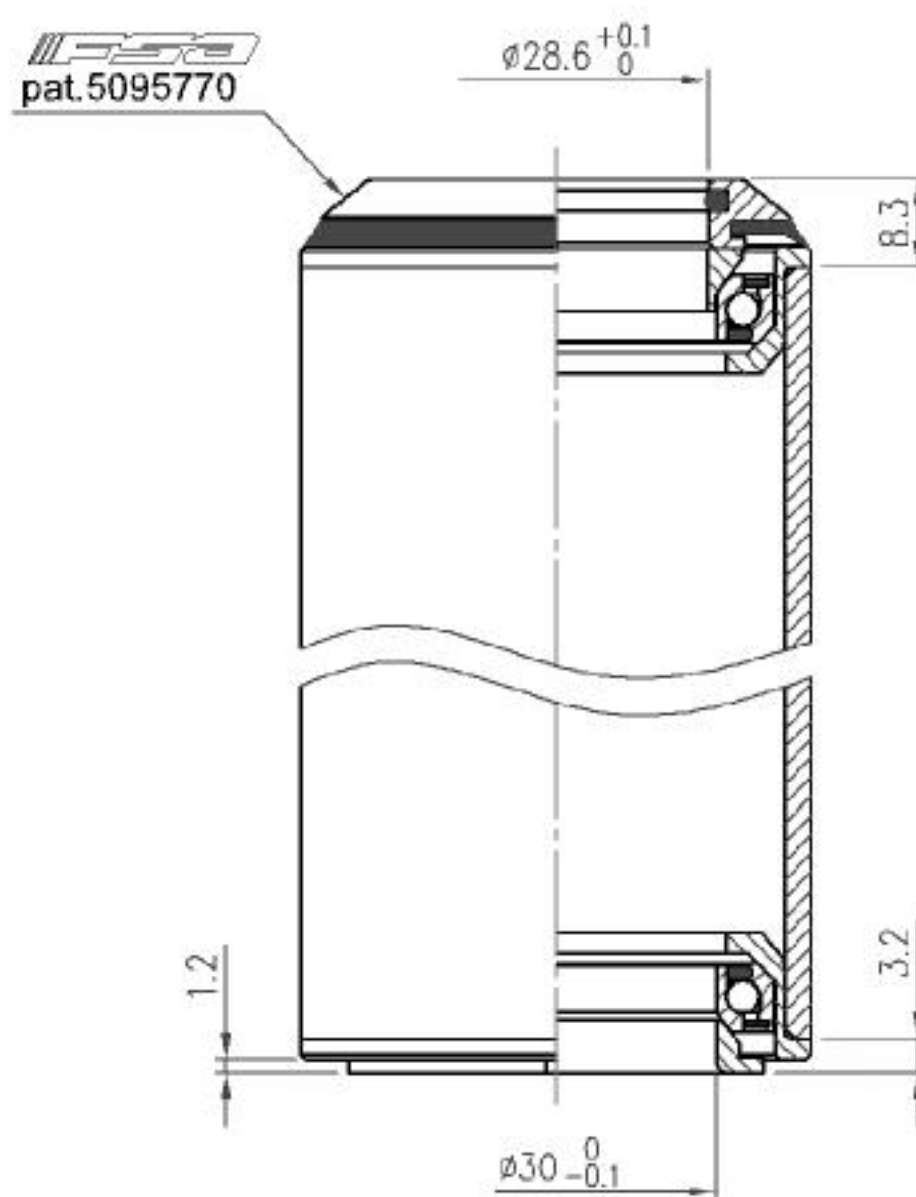




- Internal style headset
- For 48mm OD headtube
- 1-1/8" steerer
- Chromoly Cups
- Angular Contact Bearing(Blue seal)
- 7075/T6 crown race

# 1-1/8"

(48mm Headtube)  
36° / 45° ACB  
Deeper cups

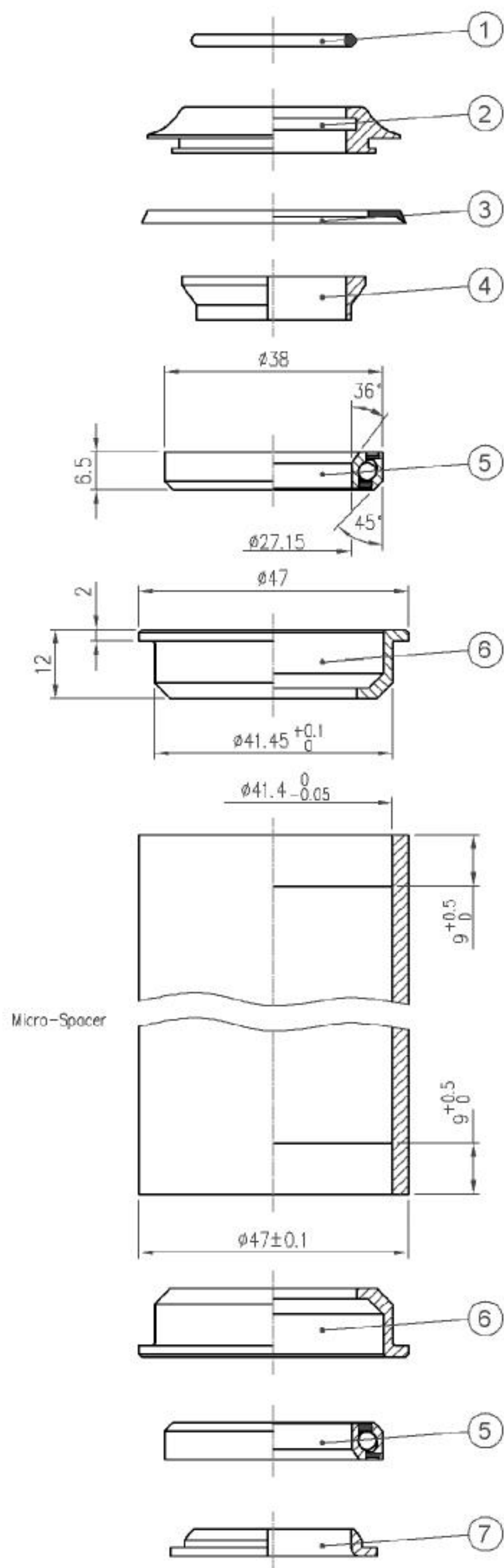


No	Item No	Material	Qty
⑦	H6011 {866-6}	7075 / T6	1PCS
⑥	H7042	CrMo	2PCS
⑤	MR054 {873-2RS}	Chrome steel	2PCS
④	H2036 {NO.5-2}	6061 / T6	1PCS
③	MS073	Rubber	1PCS
②	H2052G	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 8.3+3.2=11.5

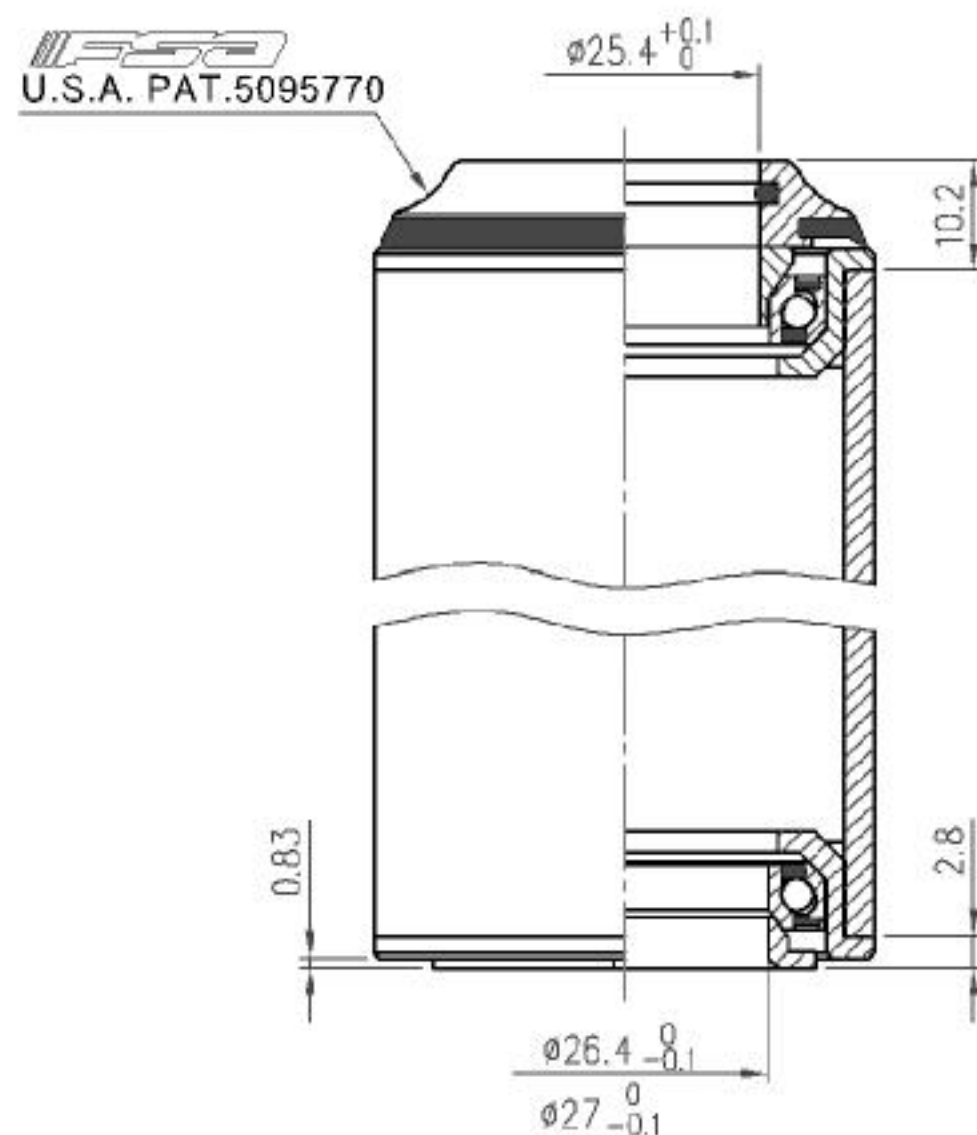
Orbit Z-41 (NO.41) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Internal style headset
- For 47mm OD headtube
- 1" steerer
- Forged alloy cups
- Angular Contact Bearing(Blue seal)
- 7075/T6 crown race

1"  
36° / 45° ACB  
Deeper cups



Custom cone spacer	
Item No	T
H2050C	10mm
H2050D	15mm
H2050E	20mm
H2050F	25mm
H2050G	30mm



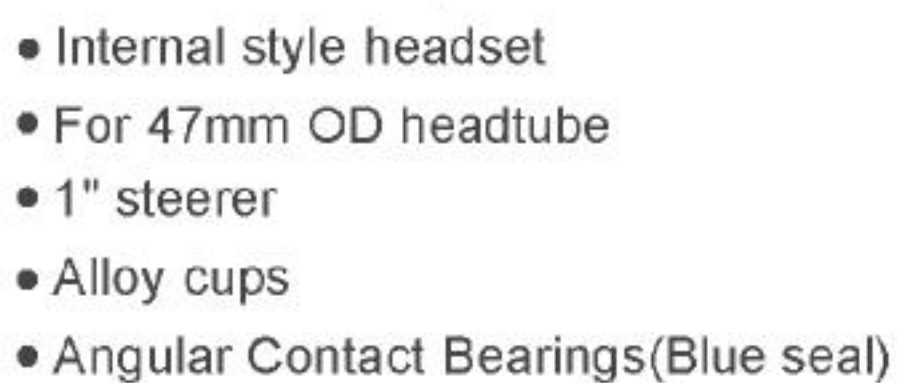
No	Item No	Material	Qty
⑦	H6019 {NO.5A-6}	7075 / T6	1PCS
⑥	H7028	6061 / T6	2PCS
⑤	MR055 {373-2RS}	Chrome steel	2PCS
④	H2019 {NO.5A-2}	Nylon	1PCS
③	MS072	Rubber	1PCS
②	H2050A	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height:  $9.4 + 2 = 11.4$

Orbit Z (NO.9AM/CUP/CC) 1"

天心工業股份有限公司  
TH INDUSTRIES CO., LTD.



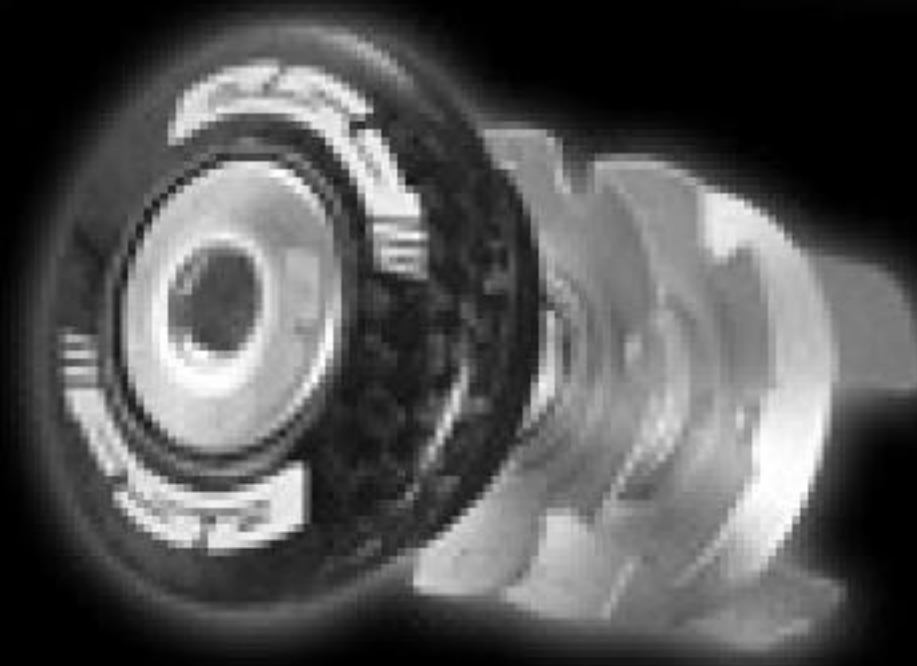


天心工業股份有限公司  
TH INDUSTRIES CO., LTD.

# Integrated Headsets



Orbit CF NO.8C (1-1/8")  
NO.8AC (1")



Super Star



1-1/8"

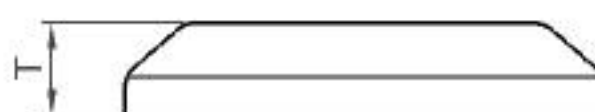
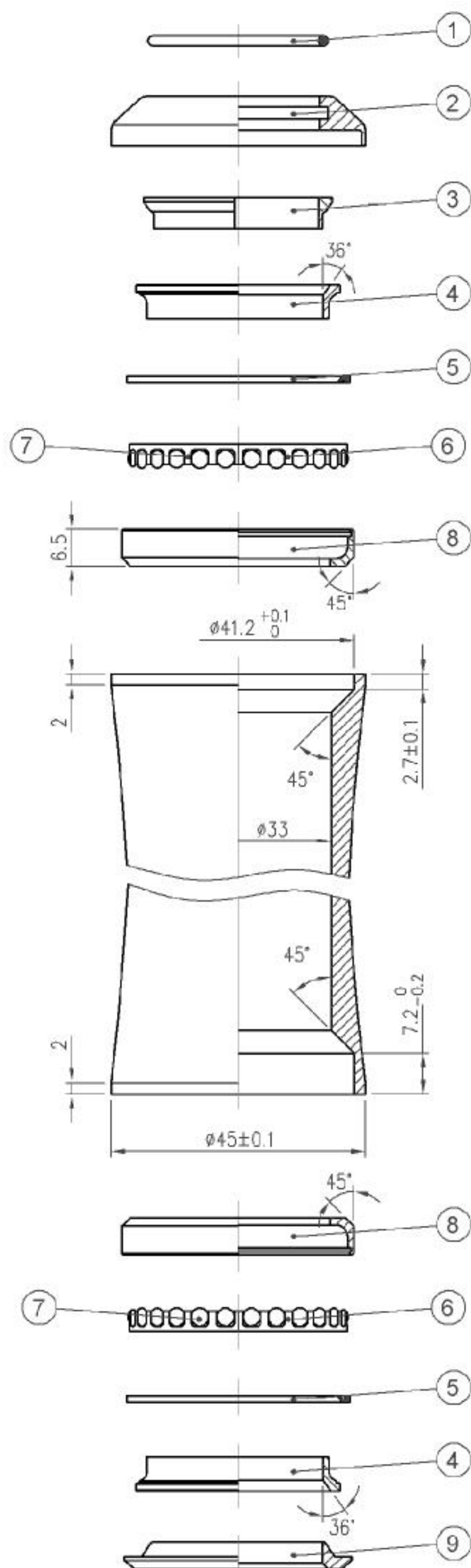
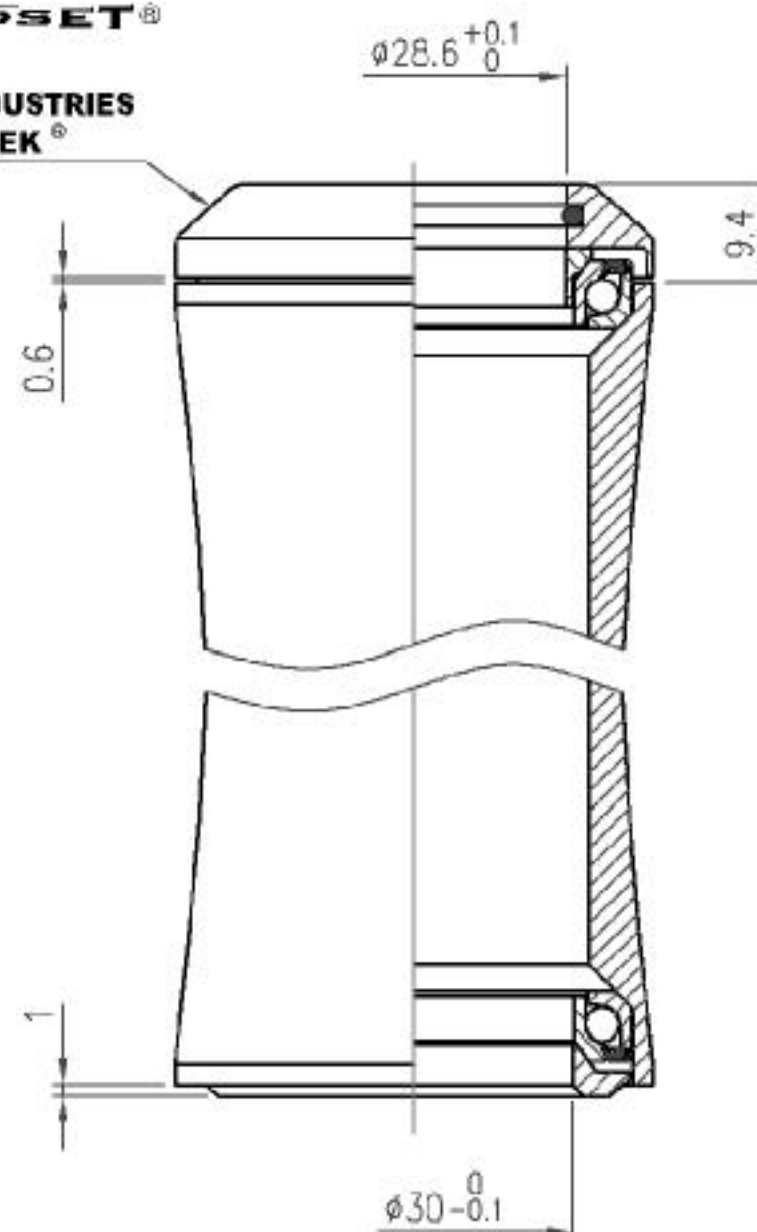
36° / 45° servicable ACB

**AHEADSET®**

pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**

Separate inner and  
outer races,  
Economic and fully  
serviceable.



Custom cone spacer	
Item No	T
H2060B	10mm
H2060C	15mm
H2060D	20mm
H2060E	25mm



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Servicable economic ACB ®

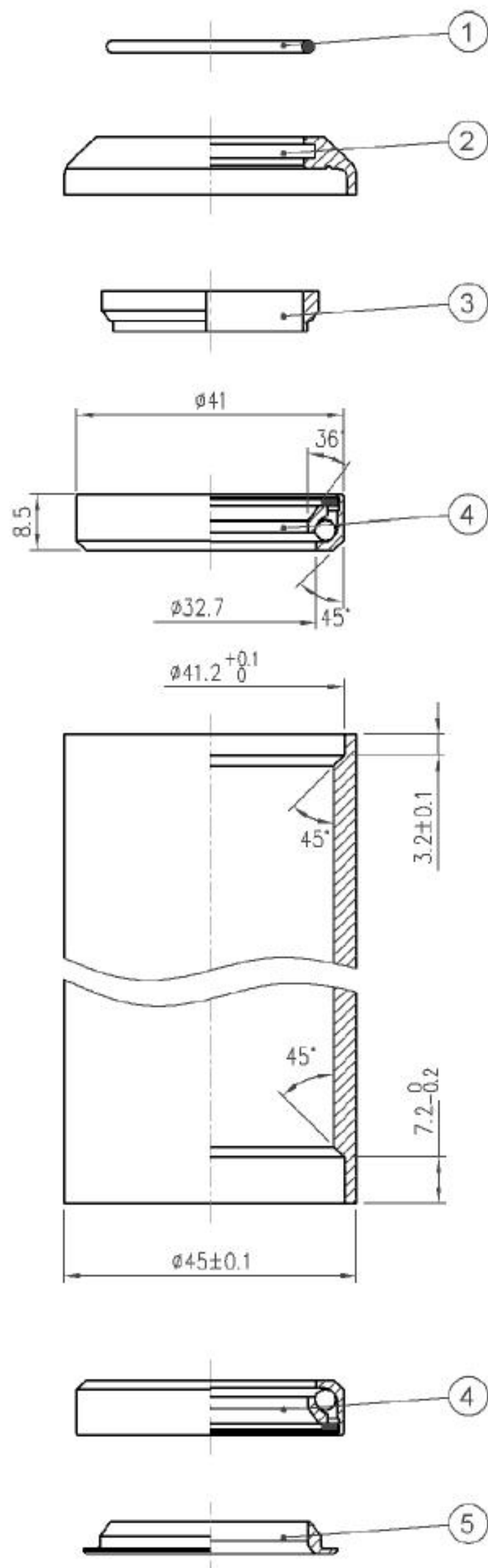
No	Item No	Material	Qty
⑨	H6028 {S2-1-1/8"-6}	Steel	1PCS
⑧	H7026	Chrome steel	2PCS
⑦	MR048 {Φ1/8"x500#}	Chrome steel	52PCS
⑥	MR056 {Φ1/8"x26A}	Steel	2PCS
⑤	MS095 {NO.28-4-5}	Rubber	2PCS
④	H7025	SCM-4130	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2060 {NO.14-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height 9.4+1=10.4

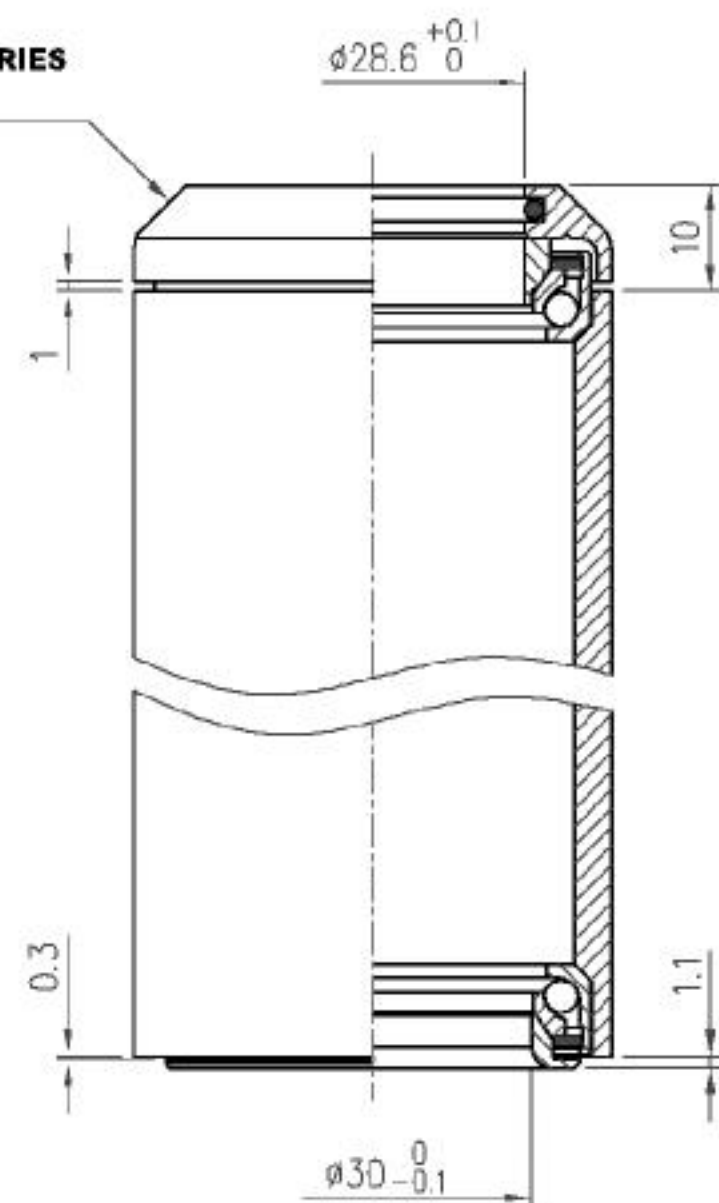
NO.23/CC (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

1-1/8"  
36° / 45° Economic ACB



**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Economic Angular Contact Bearing
- Cane Creek® compatible

No	Item No	Material	Qty
⑤	H6062	Steel	1PCS
④	MR080 {873E}	CrMo	2PCS
③	H2118 {NO.17-2}	6061 / T6	1PCS
②	H2140	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 10+1.1=11.1

IS-3E (1-1/8")

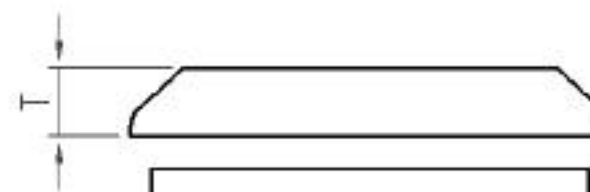
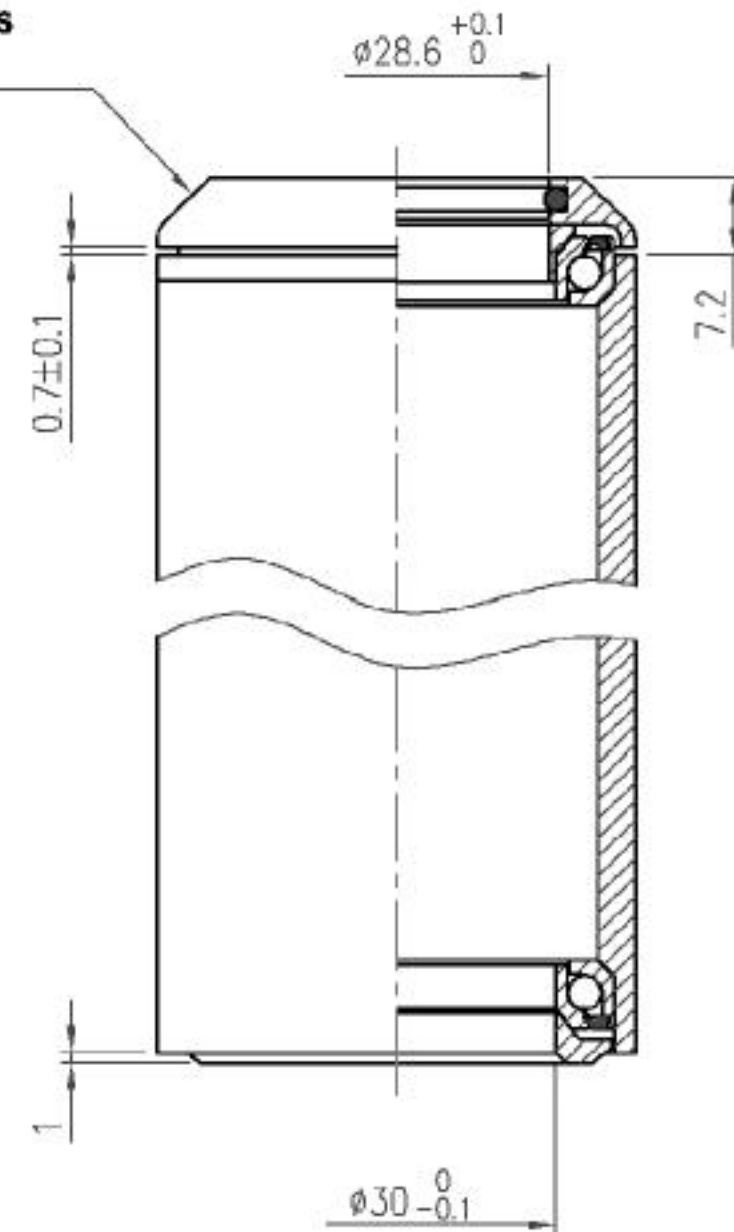
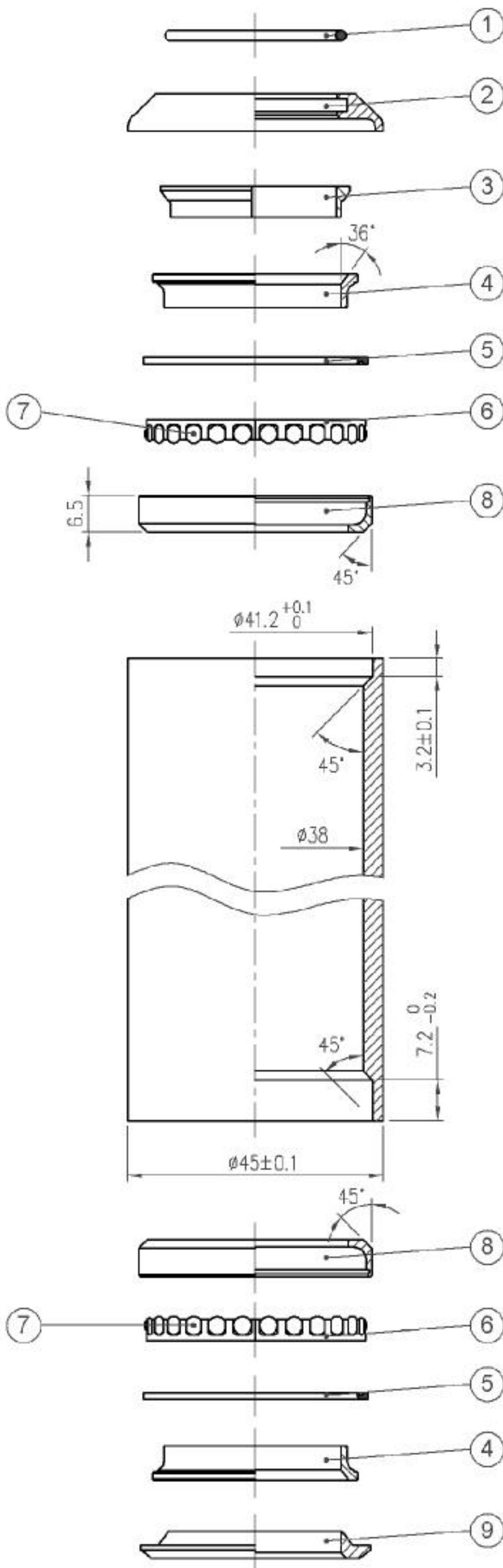
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



# 1-1/8"

## 36° / 45° Servicable ACB

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2091B	10mm
H2091C	15mm
H2091D	20mm
H2091E	25mm
H2091F	30mm



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Servicable economic ACB
- Cane Creek® compatible

No	Item No	Material	Qty
⑨	H6028 {S2-1-1/8"-6}	Steel	1PCS
⑧	H7026	CrMo	2PCS
⑦	MR048 {Φ1/8"x500#}	Chrome steel	52PCS
⑥	MR056 {Φ1/8"x26A}	Steel	2PCS
⑤	MS095 {NO.28-4~5}	Rubber	2PCS
④	H7025	SCM4130	2PCS
③	H2048 {WCS-1-1/8"-2}	6061/T6	1PCS
②	H2088 {IS-2}	6061/T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 7.2+1=8.2

IS-3 (1-1/8")

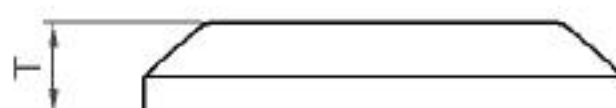
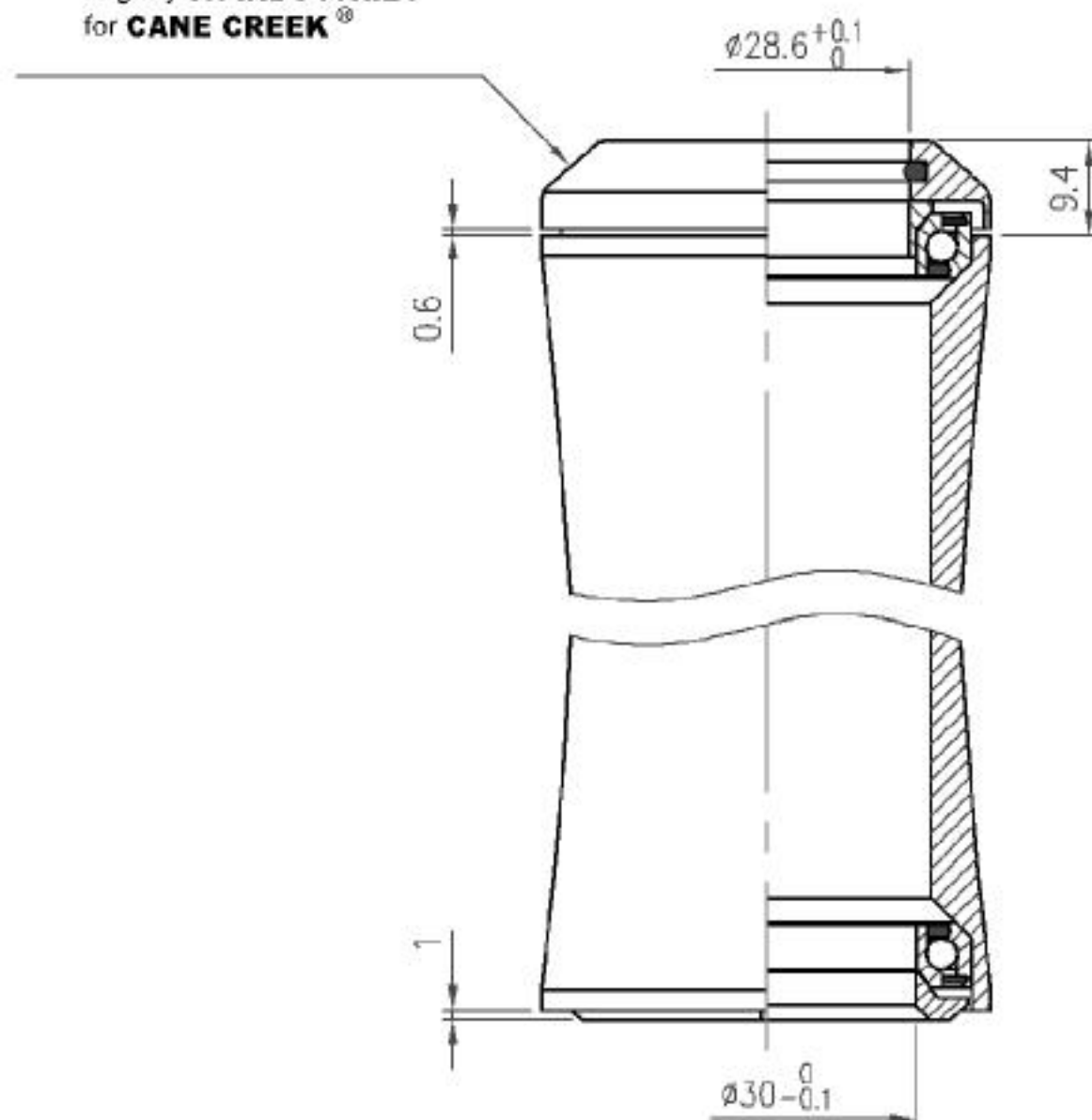
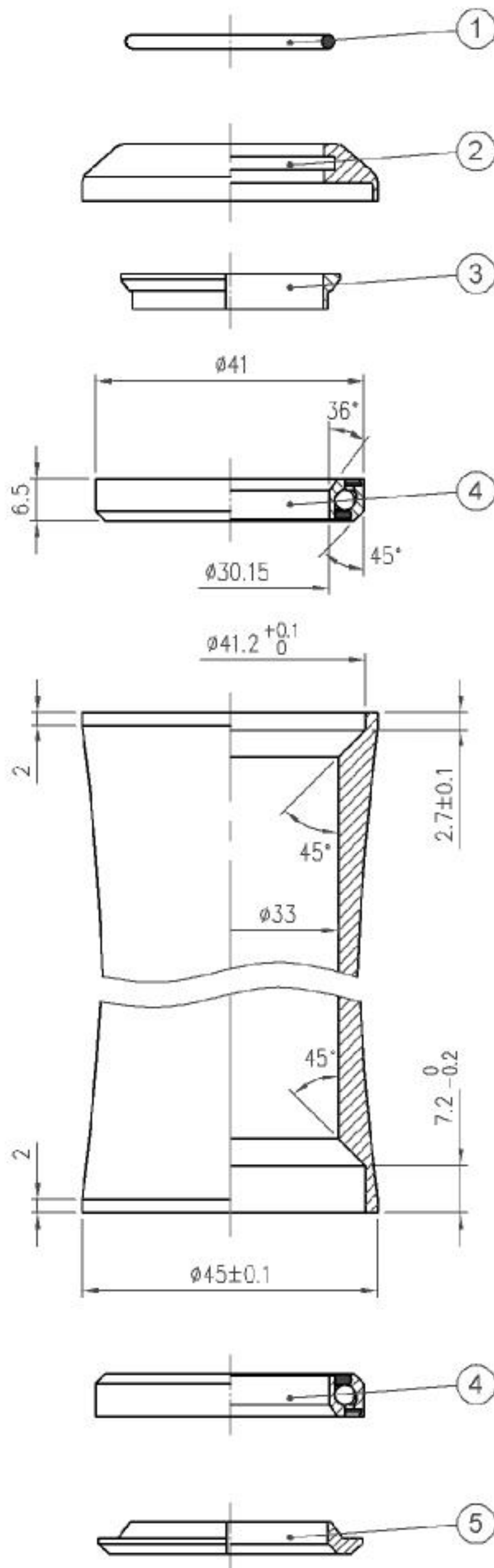
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8"

## 36° / 45° ACB

(1)   
36° ACB U.S.A. PAT. 5095770

(2) **AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer		
Item No	Item No	
Carbon	Alloy	T
H2060A	H2060A	8.7mm
H2060B	H2060B	15mm
	H2060C	20mm
	H2060D	25mm
	H2060E	30mm



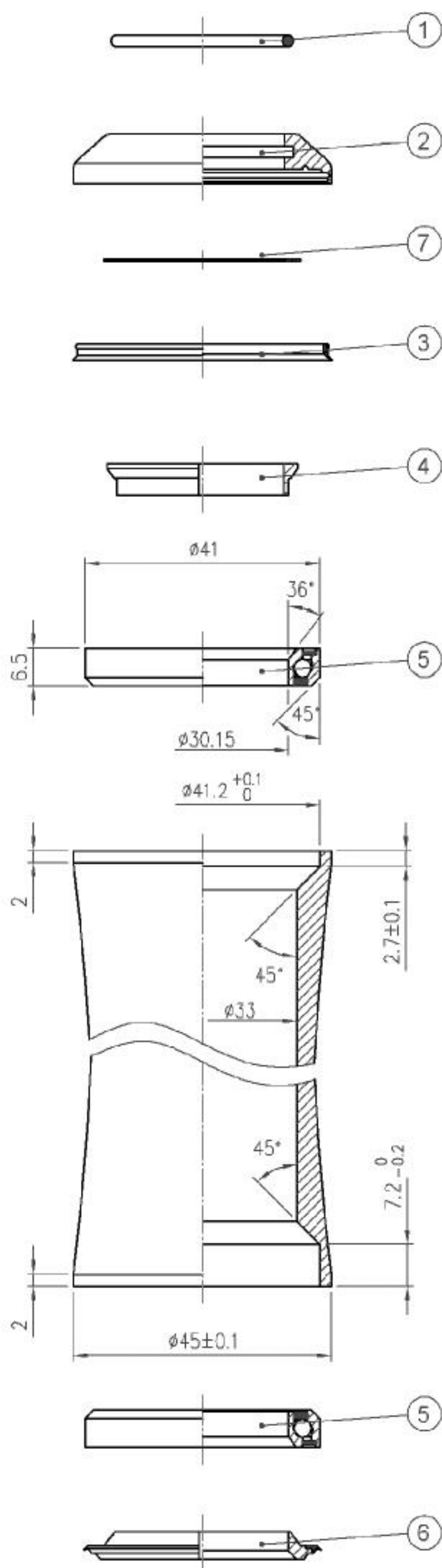
- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Angular Contact Bearing (Blue seal)

No	Item No	Material	Qty
⑤	H6028 {S2-1-1/8"-6}	Steel	1PCS
④	MR054 {873-2RS}	Chrome steel	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2060 {NO.14-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.4+1=10.4

NO.16/CC (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**



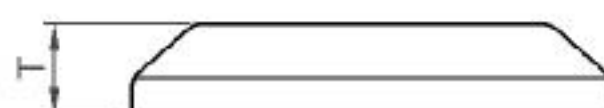
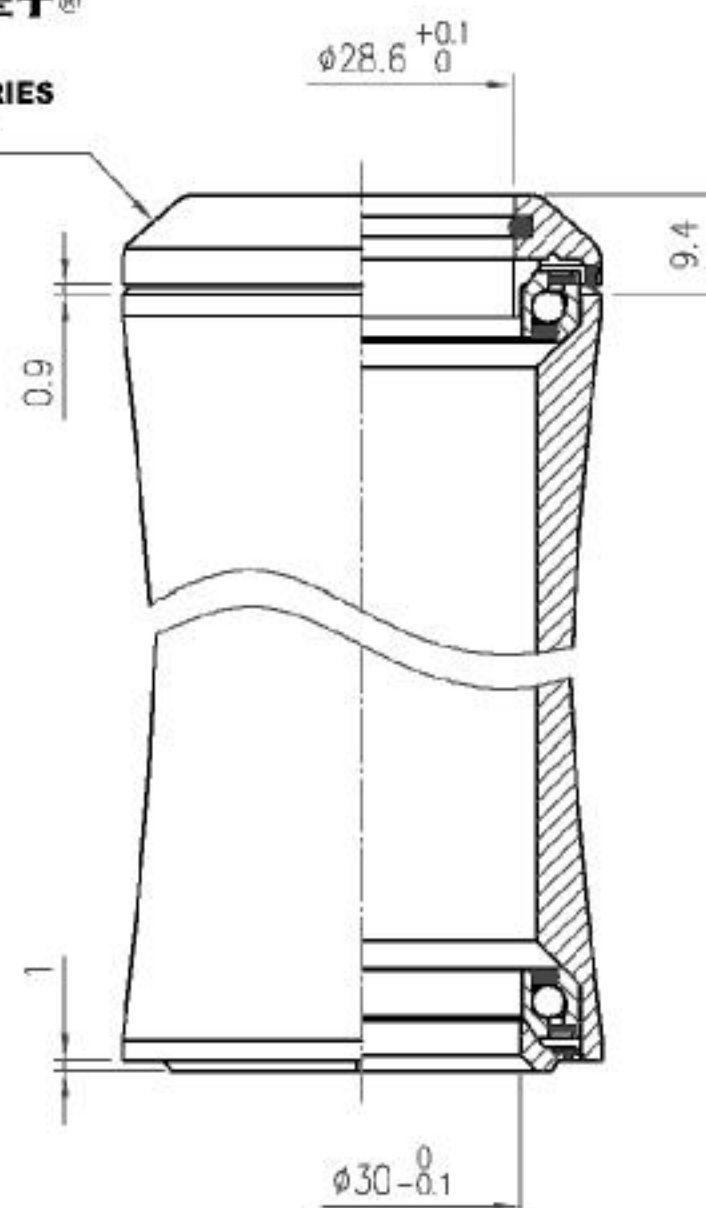
- For 45mm OD headtube
- 1-1/8" steerer
- Rubber sealed top cover
- Angular Contact Bearing(Blue seal)
- Rubber sealed crown race

1-1/8"  
36° / 45° ACB

**AHEADSET®**

pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer

Item No	T
H2127B	15mm
H2127C	20mm
H2127D	25mm
H2127E	30mm



2PCS of Micro Spacer (MW006) must be used with Custom Spacer (H2060)

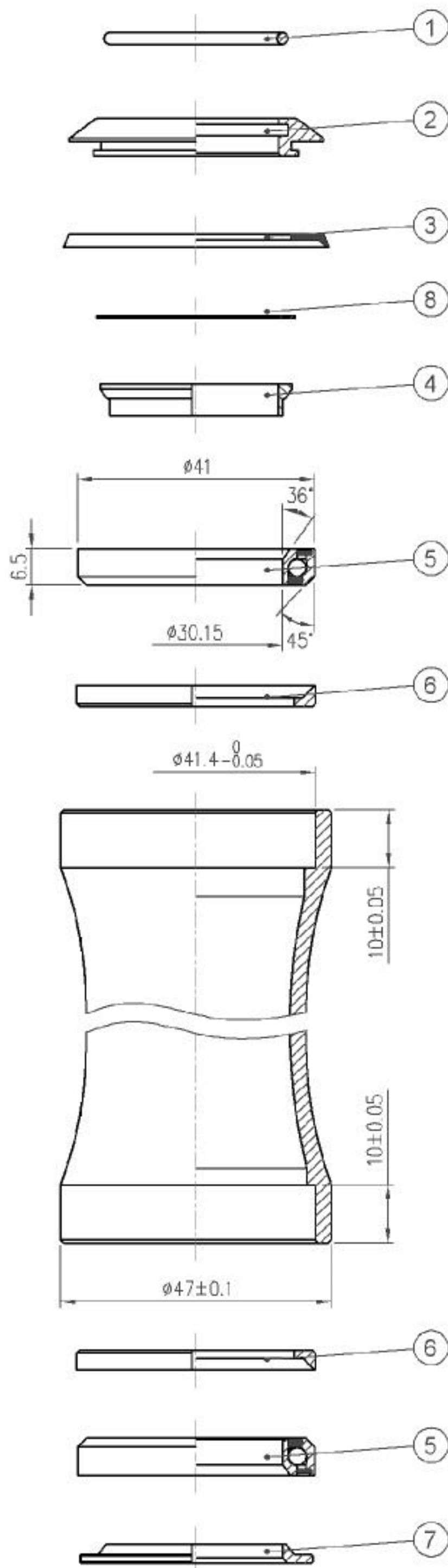
No	Item No	Material	Qty
⑦	MW006 Micro Spacer	Steel	2PCS
⑥	H6056 {S2-1-1/8"-6}	Steel w/ rubber seal	1PCS
⑤	MR054 {873-2RS}	Chrome steel	2PCS
④	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2127	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.4+1=10.4

NO.16/CC-SE (1-1/8")

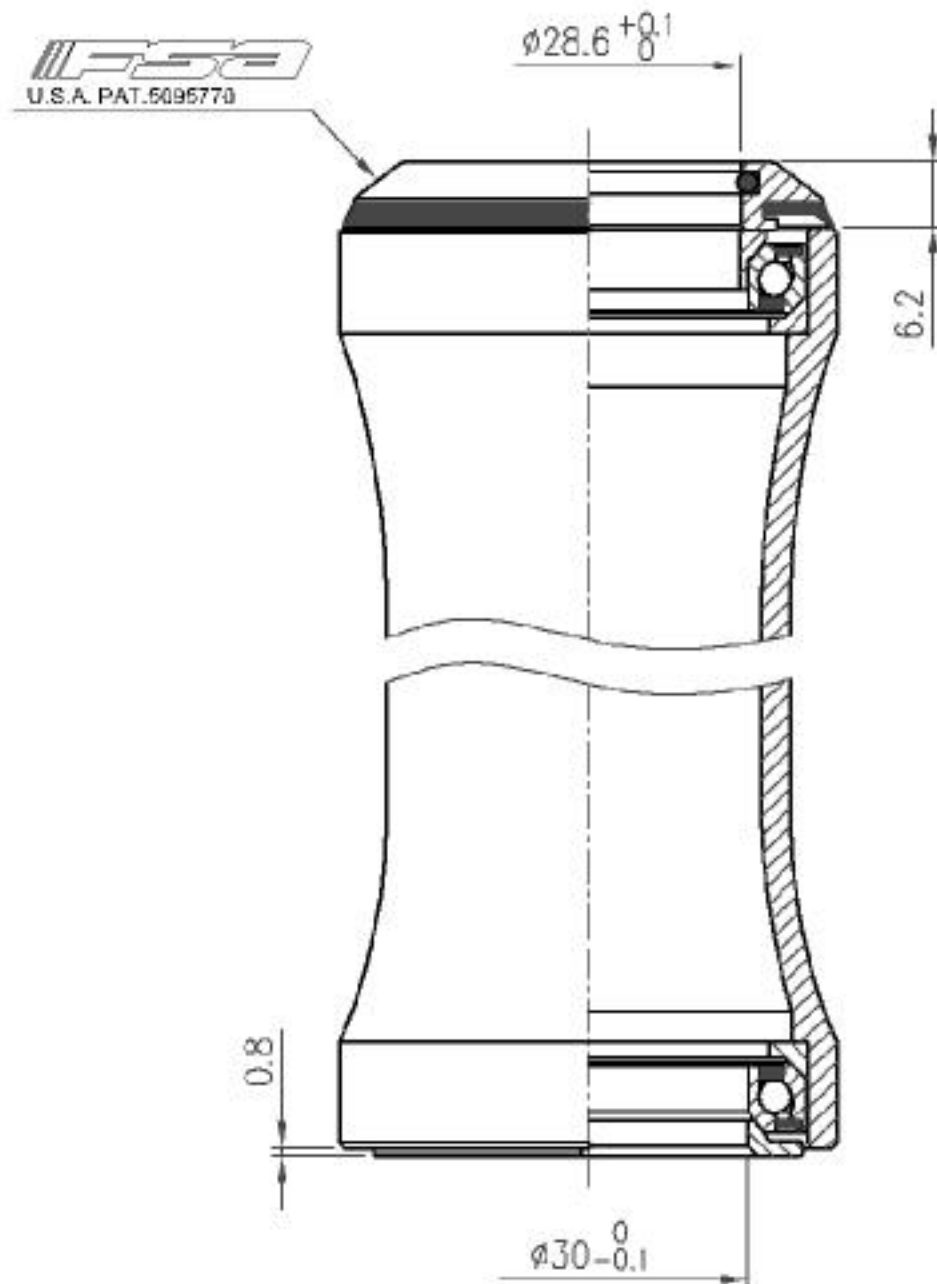
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- Integrated style headset
- Use Steel HS insert
- For 47mm OD headtube
- 1-1/8" steerer
- Angular Contact Bearing (Blue seal)
- 7075/T6 crown race

1-1/8"  
47mm Headtube  
36°/45° ACB

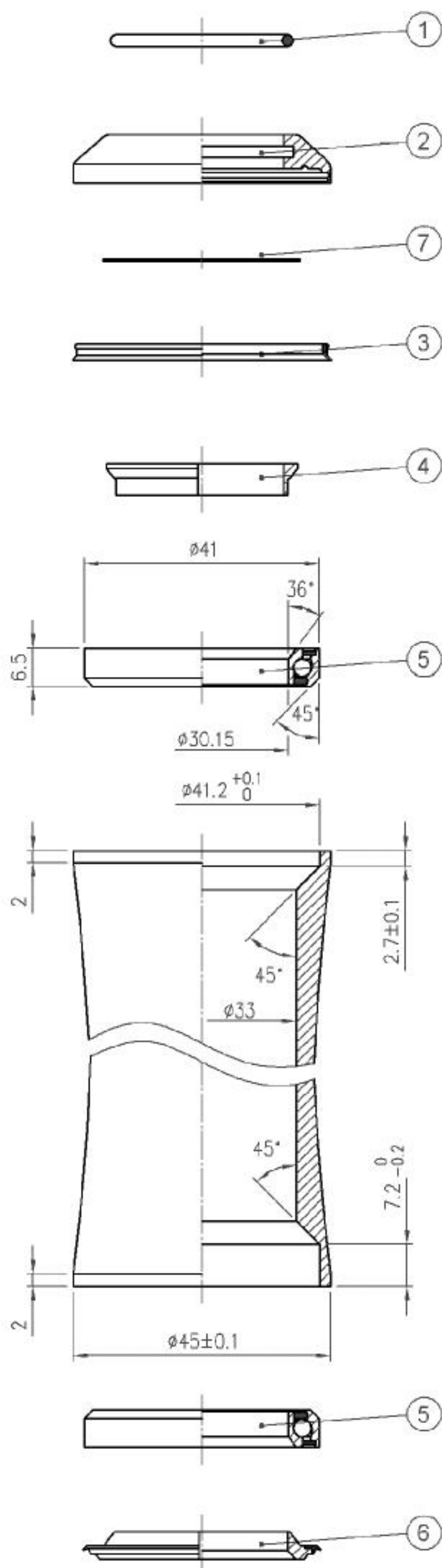


No	Item No	Material	Qty
⑧	MW006 Micro Spacer	Steel	1PCS
⑦	H6036 {NO.26G-6}	7075 / T6	1PCS
⑥	H7027	Steel	2PCS
⑤	MR054 {873-2RS}	Chrome steel	2PCS
④	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
③	MS072	Rubber	1PCS
②	H2052G	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 6.2+0.8=7

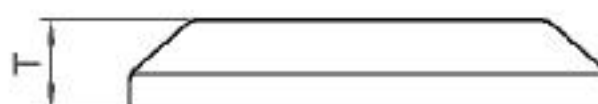
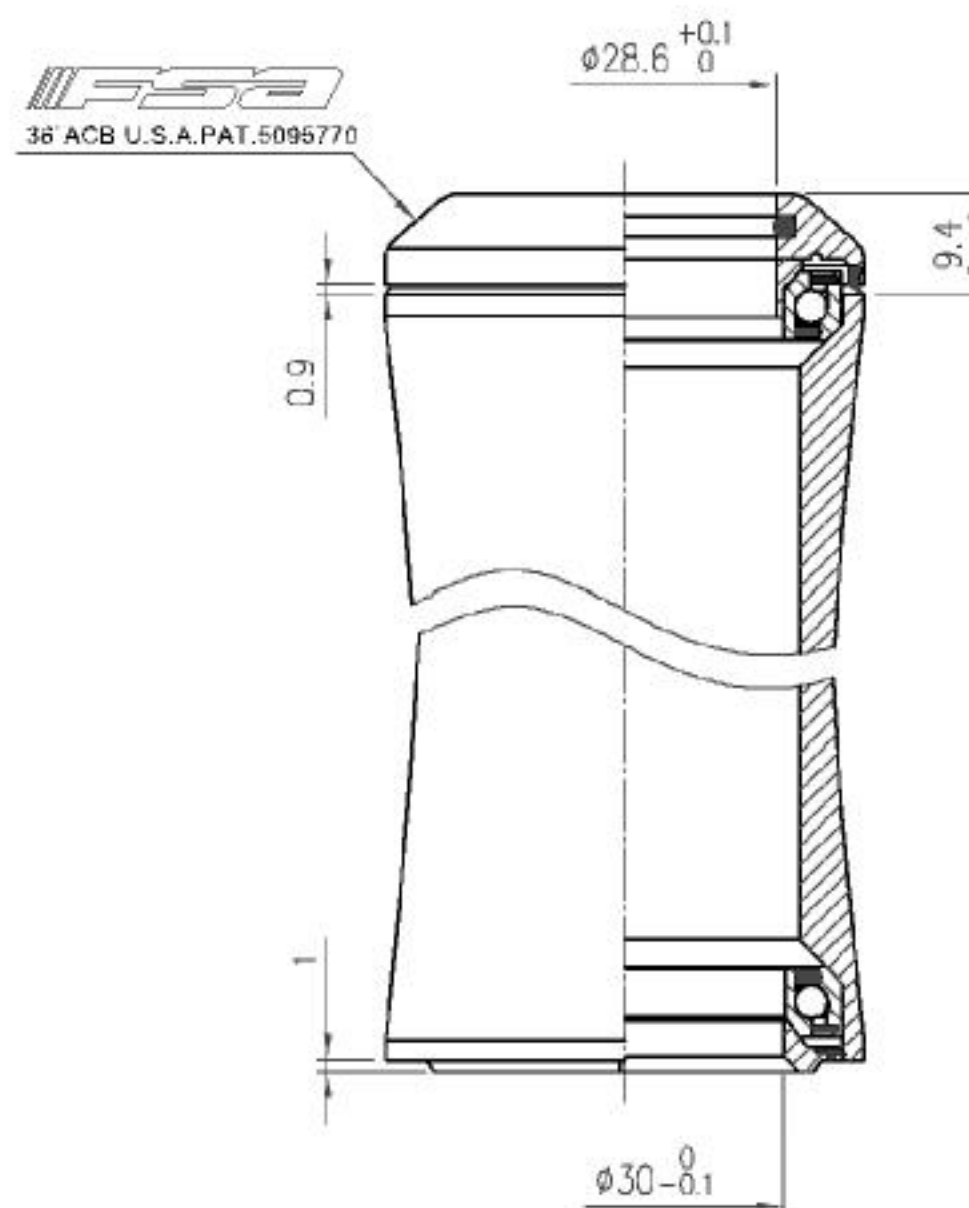
Orbit SPX (NO.26G) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Rubber sealed top cover
- Angular Contact Bearing(Blue seal)
- Rubber sealed crown race

1-1/8"  
36° / 45° ACB



Custom cone spacer	
Item No	T
H2127B	15mm
H2127C	20mm
H2127D	25mm
H2127E	30mm



2PCS of Micro Spacer (MW006) must be used with Custom Spacer (H2060)

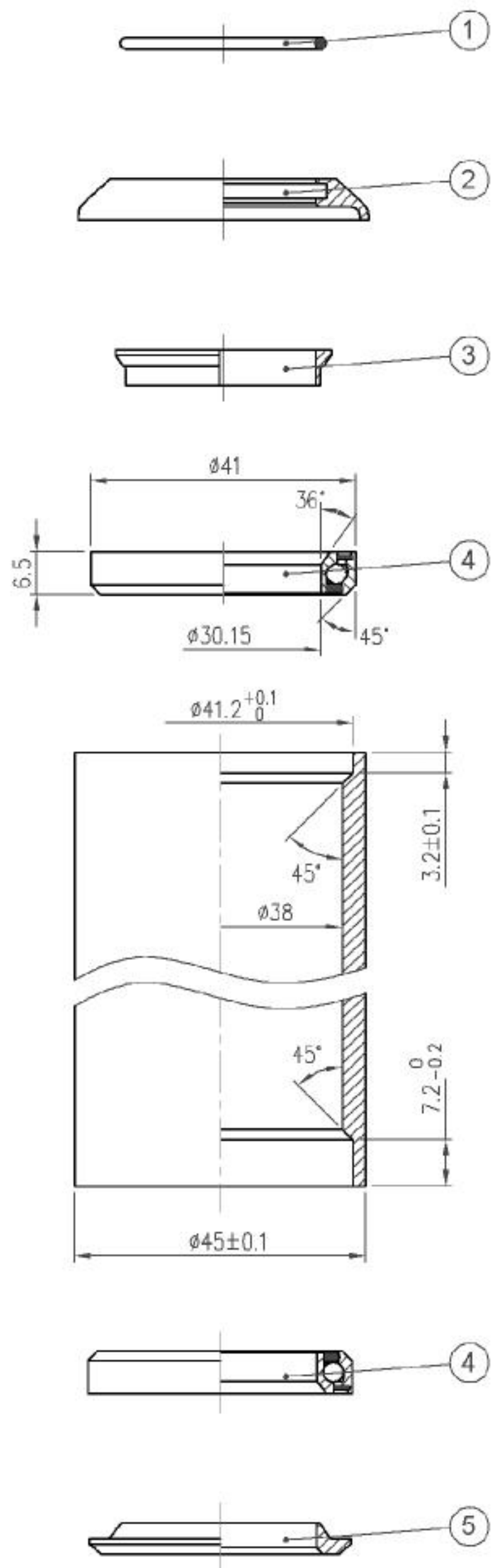
No	Item No	Material	Qty
⑦	MW006 Micro Spacer	Steel	2PCS
⑥	H6056 {S2-1-1/8"-6}	Steel w/ rubber seal	1PCS
⑤	MR054 {873-2RS}	Chrome steel	2PCS
④	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2127	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.4+1=10.4

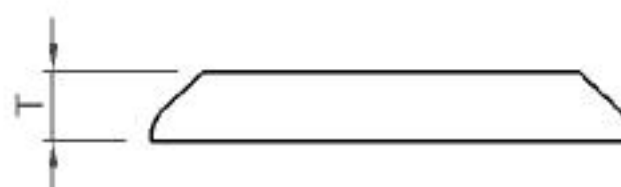
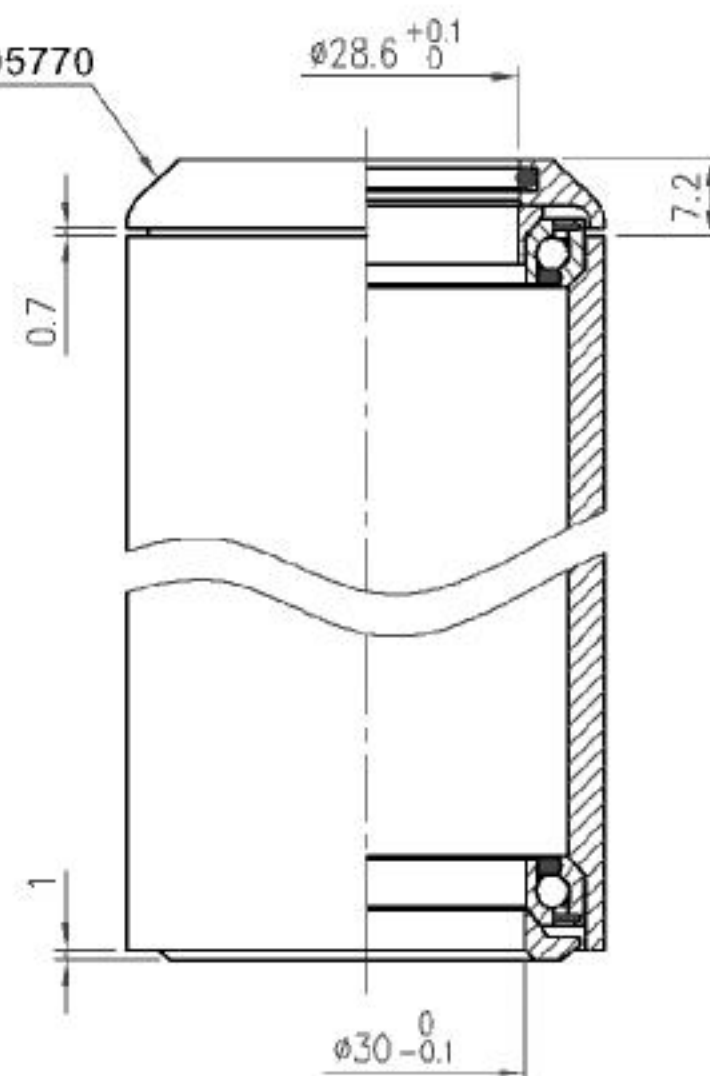
Orbit I-SS (1-1/8")

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.

# 1-1/8" 36° / 45° ACB



U.S.A.PAT.5095770



Custom cone spacer	
Item No	T
H2088B	15mm
H2088C	20mm
H2088D	25mm
H2088E	30mm



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- 7075/T6 crown race
- Cane Creek® compatible

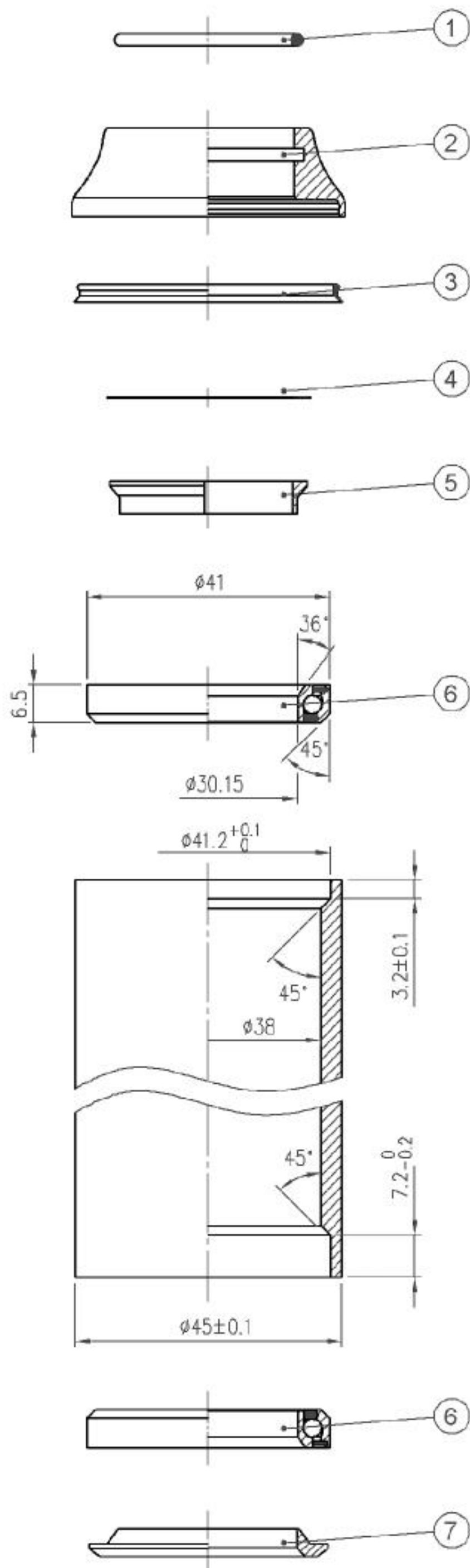
No	Item No	Material	Qty
⑤	H6028 {S2-1-1/8"-6}	7075 / T6	1PCS
④	MR054 {873-2RS}	Chrome steel	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2088 {IS-1-1/8"-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 7.2+1=8.2

Orbit IS (IS-2) 1-1/8"

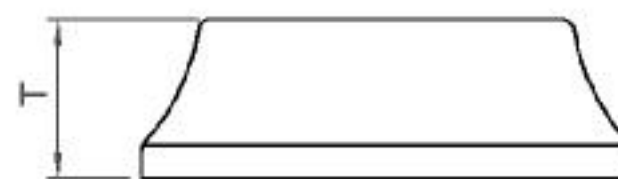
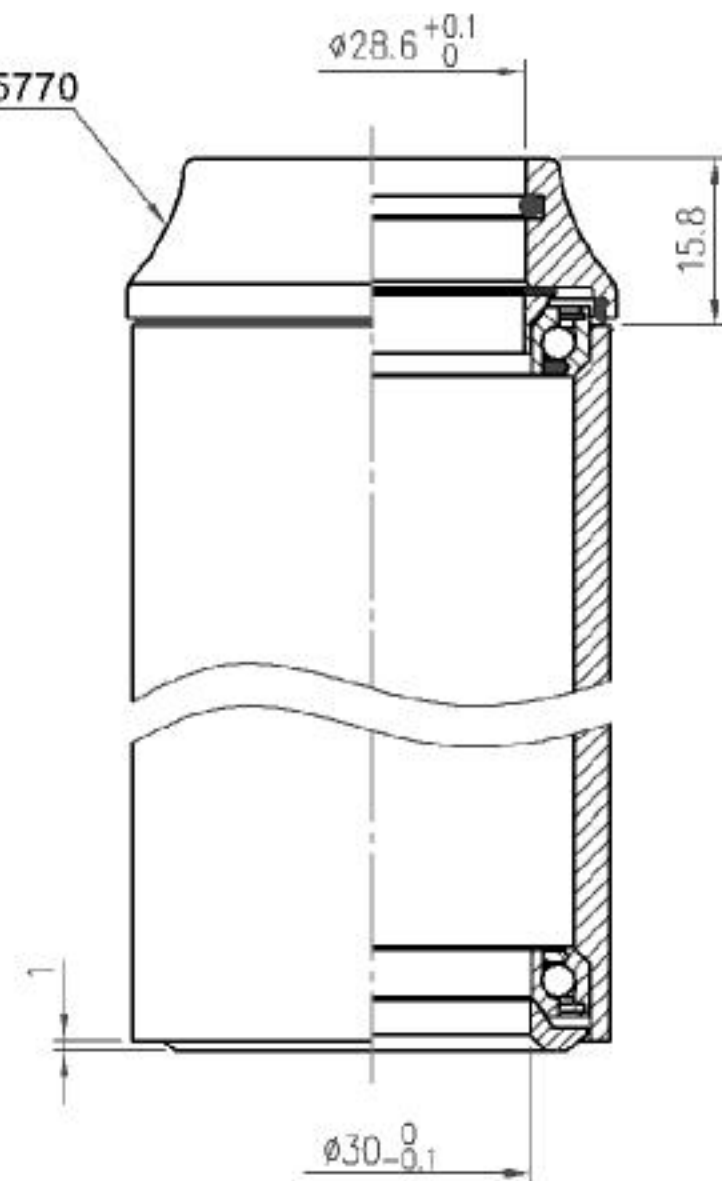
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TH INDUSTRIES CO.,LTD.





1-1/8"  
36° / 45° ACB

U.S.A.PAT.5095770



Custom cone spacer

Item No	T
H2100A	8.7mm
H2100B	15mm



- Integrated style headset
- For 45mm OD headtube
- 1-1/8" steerer
- Carbon fiber top cover
- Angular Contact Bearings(Blue seal)
- 7075/T6 crown race

No	Item No	Material	Qty
⑦	H6028 {S2-1-1/8"-6}	7075 / T6	1PCS
⑥	MR054 {873-2RS}	Chrome steel	2PCS
⑤	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
④	MW006 Micro Spacer	Steel	3PCS
③	MS100	Rubber	1PCS
②	H2100 {NO.8C-2}	Carbon	1PCS
①	MS053 {872}	Rubber	1PCS

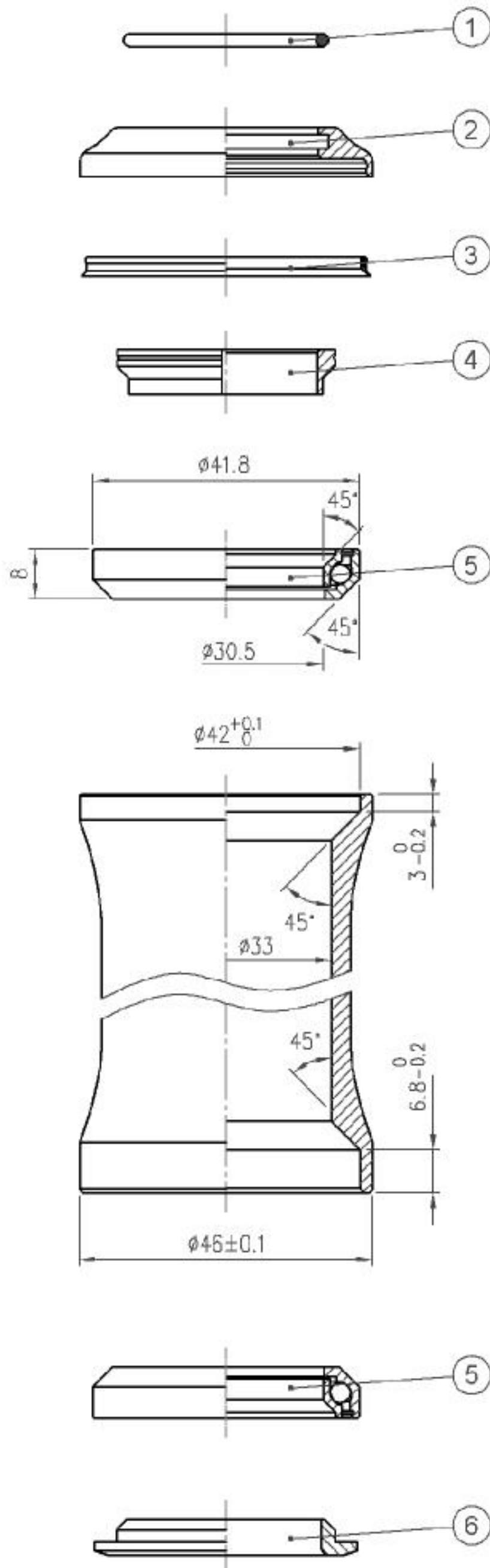
Stack Height: 15.8+1=16.8

Orbit I Carbon (IS-2C) 1-1/8"

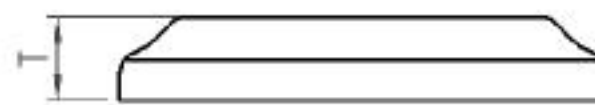
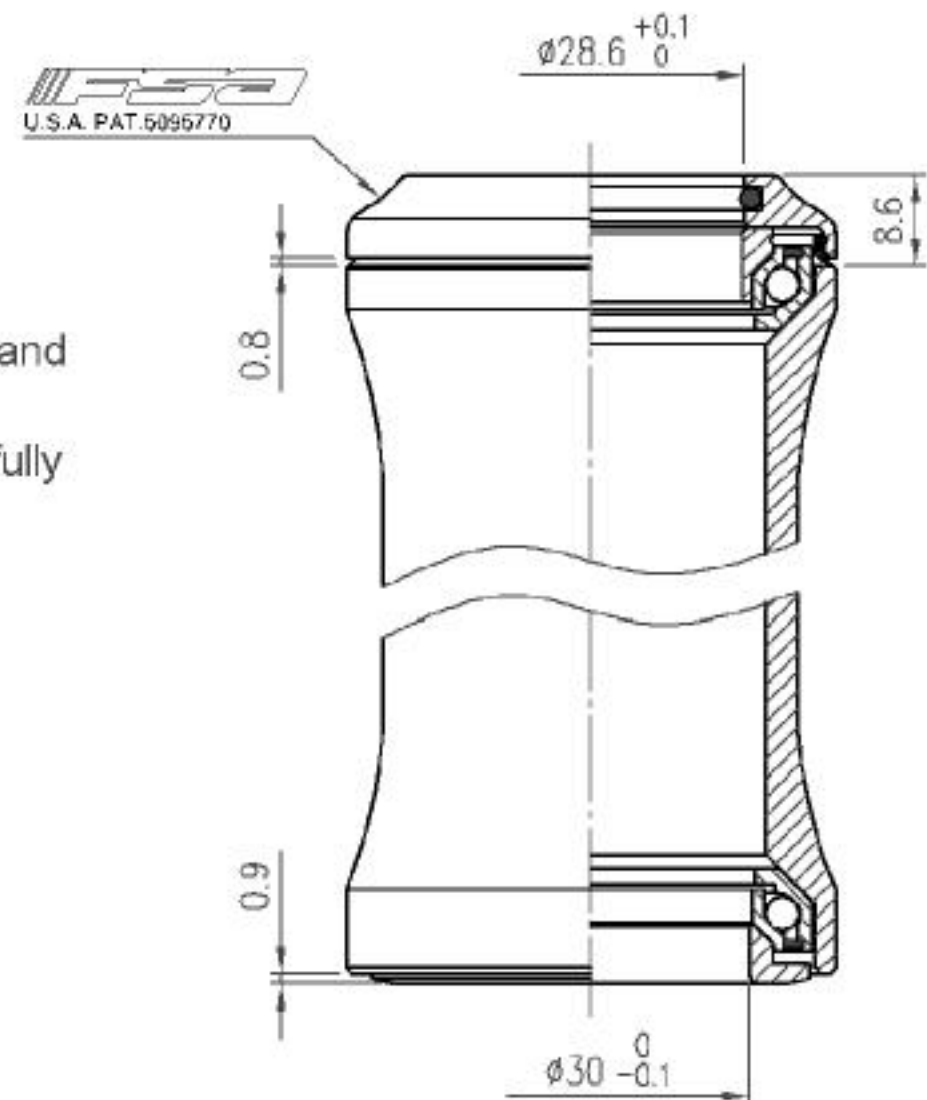
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8"

## 45°/45° Servicable ACB (Campagnolo)



Separate inner and outer races, Economic and fully serviceable.



Custom cone spacer	
Item No	T
H2094A	7.8mm
H2094B	25mm



- Integrated style headset
- For 46mm OD headtube
- 1-1/8" steerer
- Campagnolo type bearing (Yellow Seal)
- 7075/T6 crown race

No	Item No	Material	Qty
⑥	H6029 {NO.8-6}	7075 / T6	1PCS
⑤	MR070 {870}	Chrome steel	2PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2094 {NO.8-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

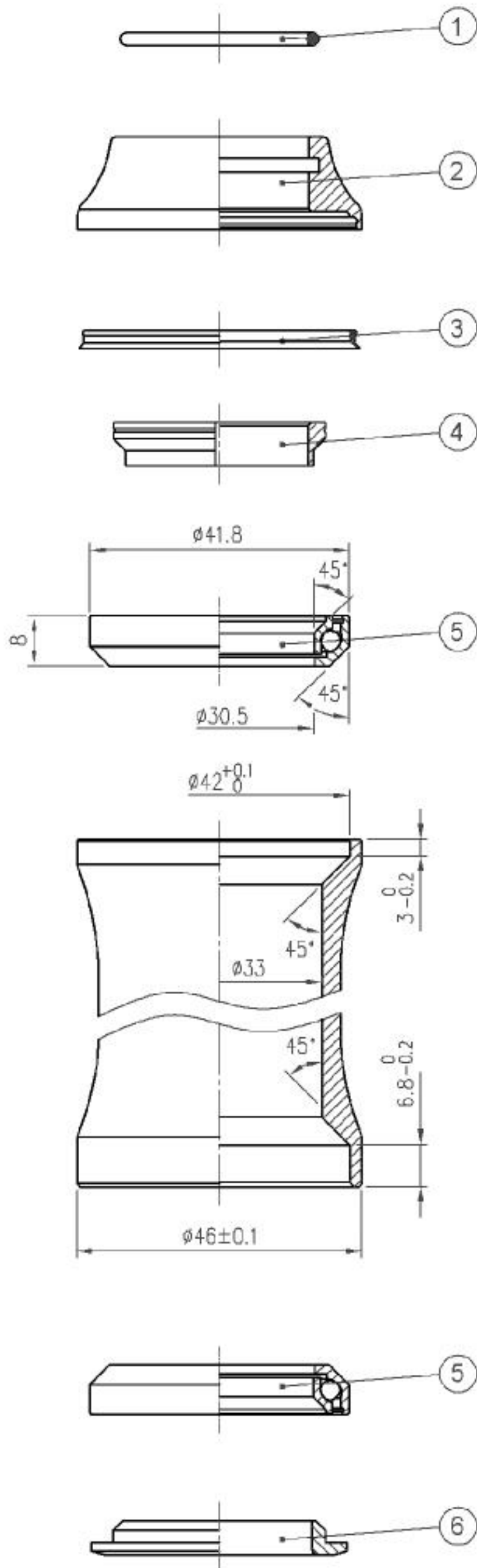
Stack Height: 8.6+0.9=9.5

Orbit CE (NO.8B) 1-1/8"

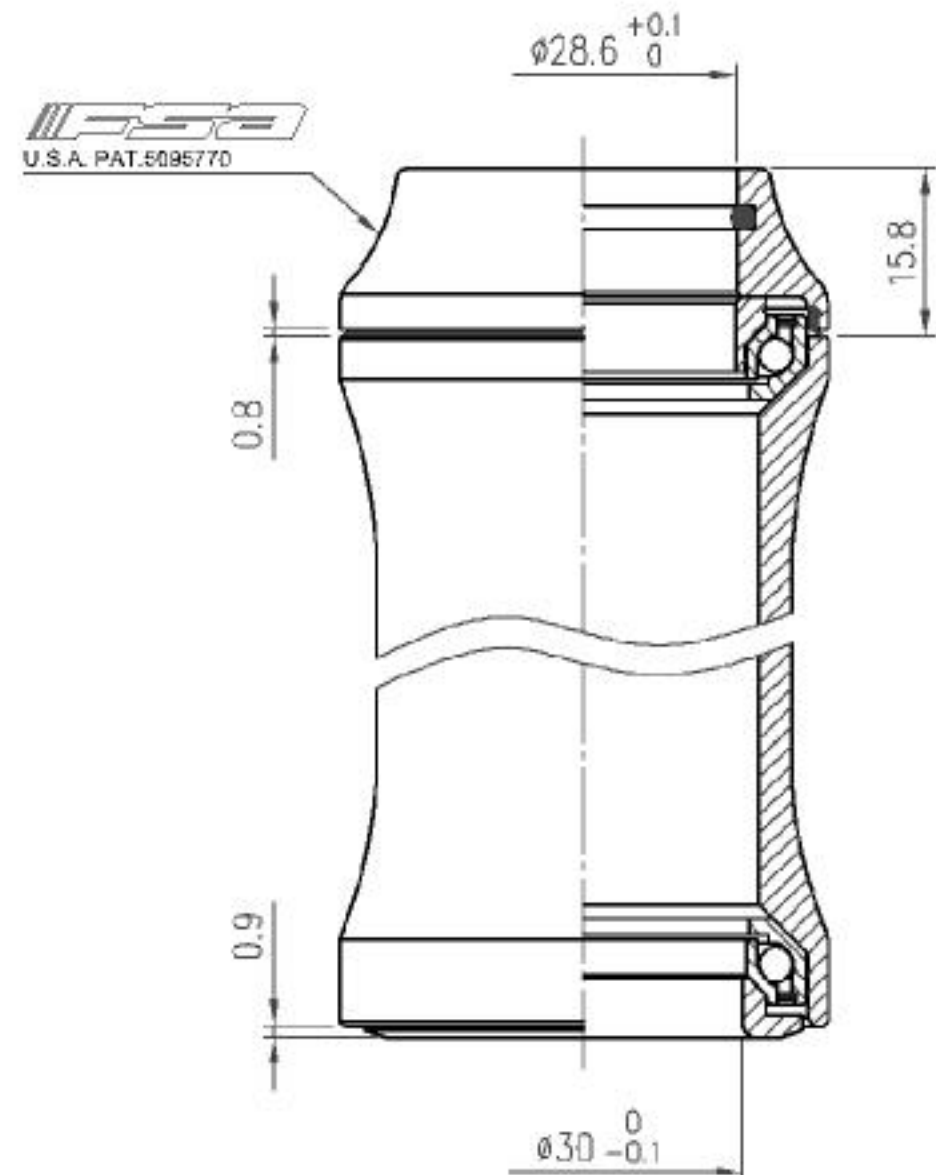
**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

# 1-1/8"

## 45°/45° ACB (Campagnolo)



Separate inner and outer races,  
Economic and fully serviceable.



Custom cone spacer	
Item No	T
H2100A	8.7mm
H2100B	15mm



- Integrated style headset
- For 46mm OD headtube
- 1-1/8" steerer
- Campagnolo type bearing (Yellow Seal)
- 7075/T6 crown race

No	Item No	Material	Qty
⑥	H6029 {NO.8-6}	7075 / T6	1PCS
⑤	MR070 {870}	Chrome steel	2PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2100 {NO.8C-2}	Carbon	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 15.8+0.9=16.7

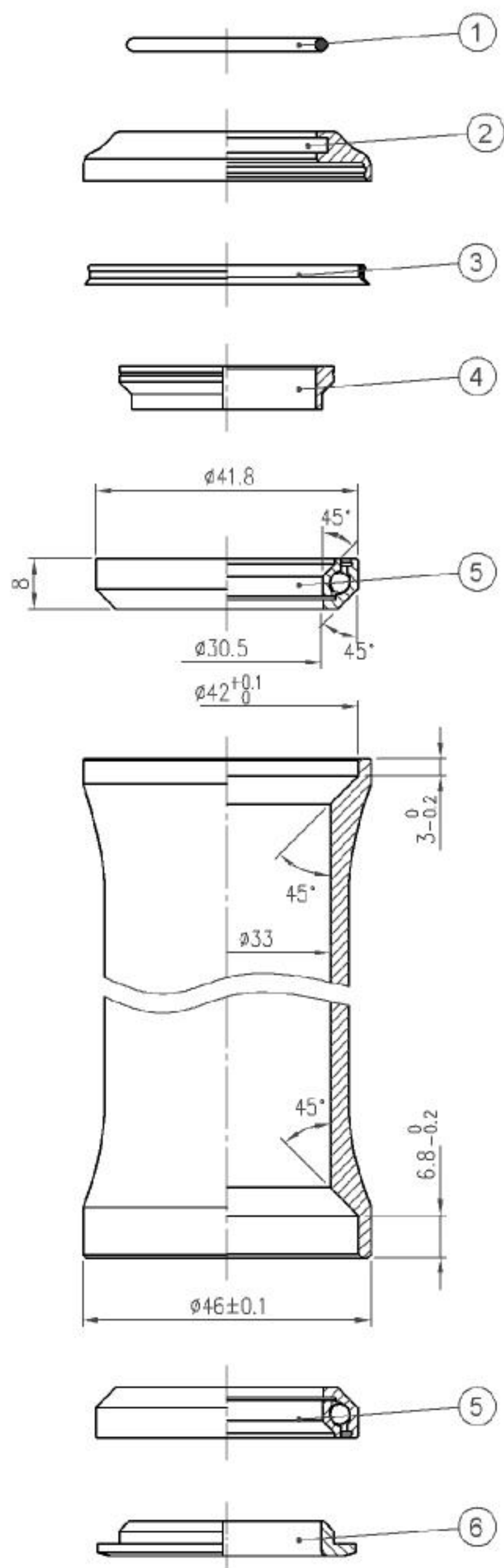
Orbit CE Plus (NO.8B Plus) 1-1/8"

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

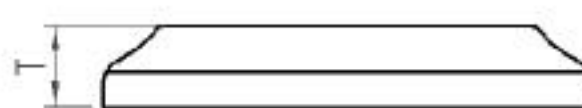
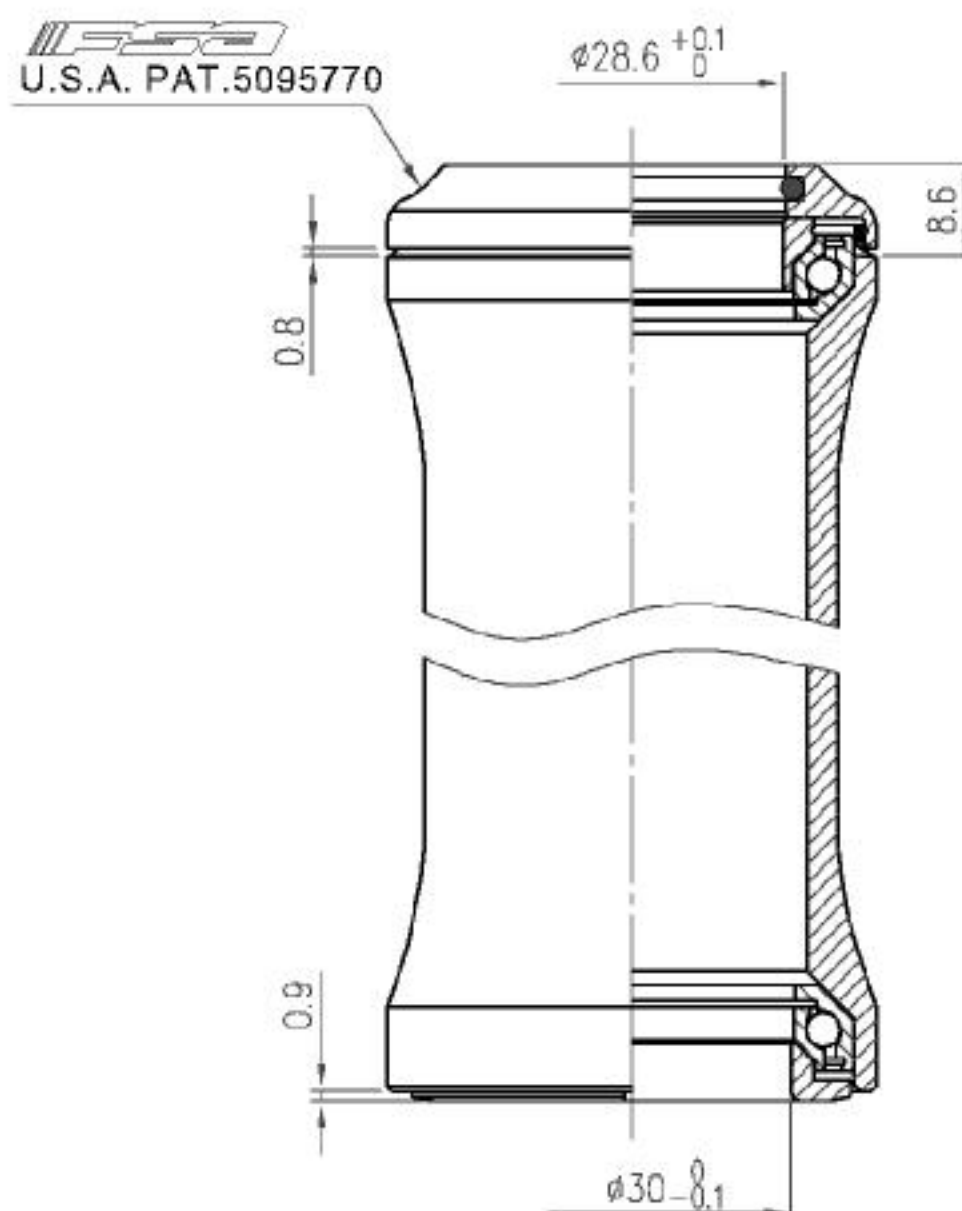


# 1-1/8"

## 45°/45° ACB (Campagnolo)



- Integrated style headset
- For 46mm OD headtube
- 1-1/8" steerer
- Angular Contact Bearings (Yellow seal)
- 7075/T6 crown race



Custom cone spacer

Item No	T
H2094A	7.8mm
H2094B	25mm



No	Item No	Material	Qty
⑥	H6029 {NO.8-6}	7075 / T6	1PCS
⑤	MR042 {870-2RS}	Chrome steel	2PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2094 {NO.8-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

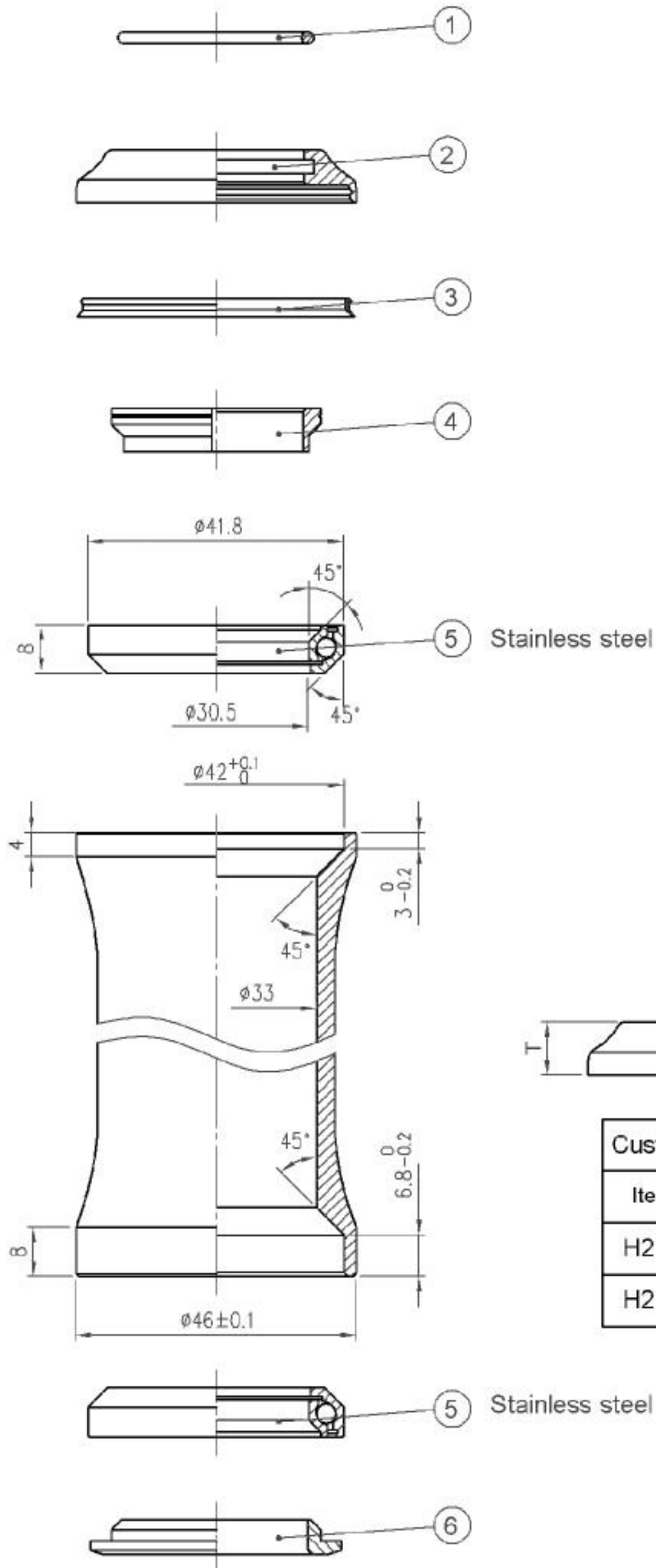
Stack Height: 8.6+0.9=9.5

Orbit C (NO.8) 1-1/8"

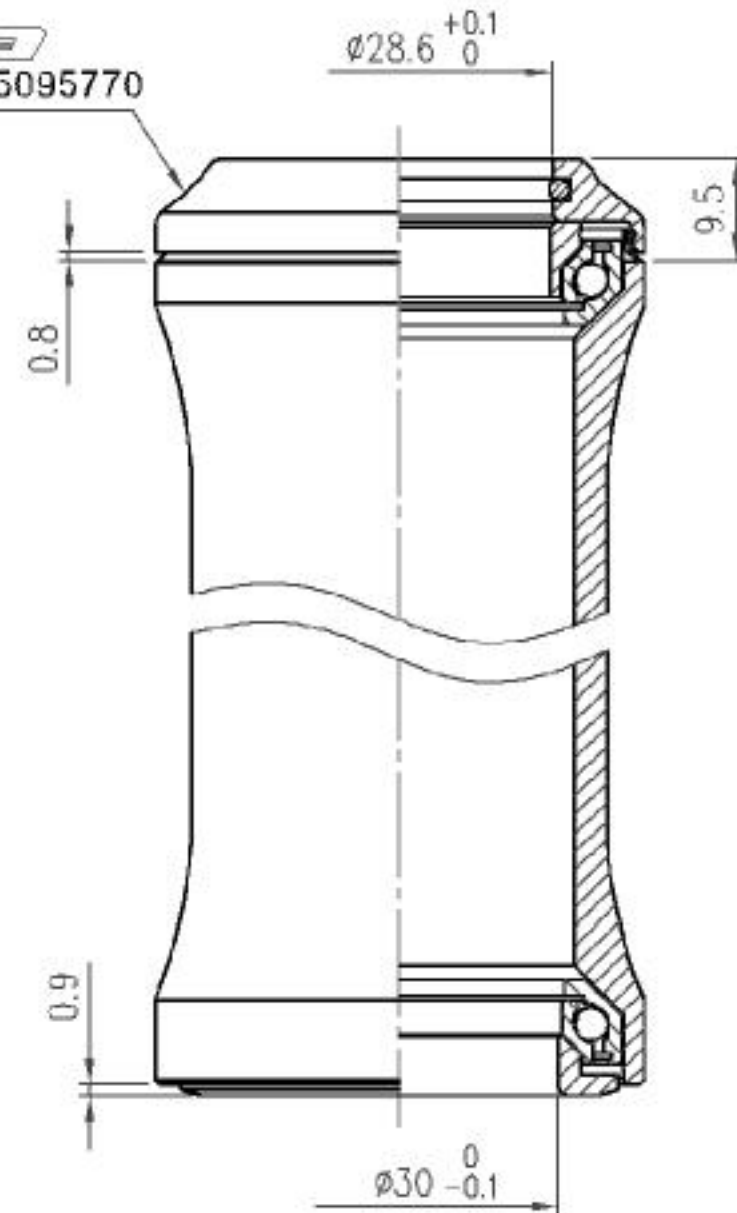
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8"

## 45°/45° ACB (Campagnolo)



U.S.A. PAT. 5095770



Custom cone spacer	
Item No	T
H2100A	8.7mm
H2100B	15mm



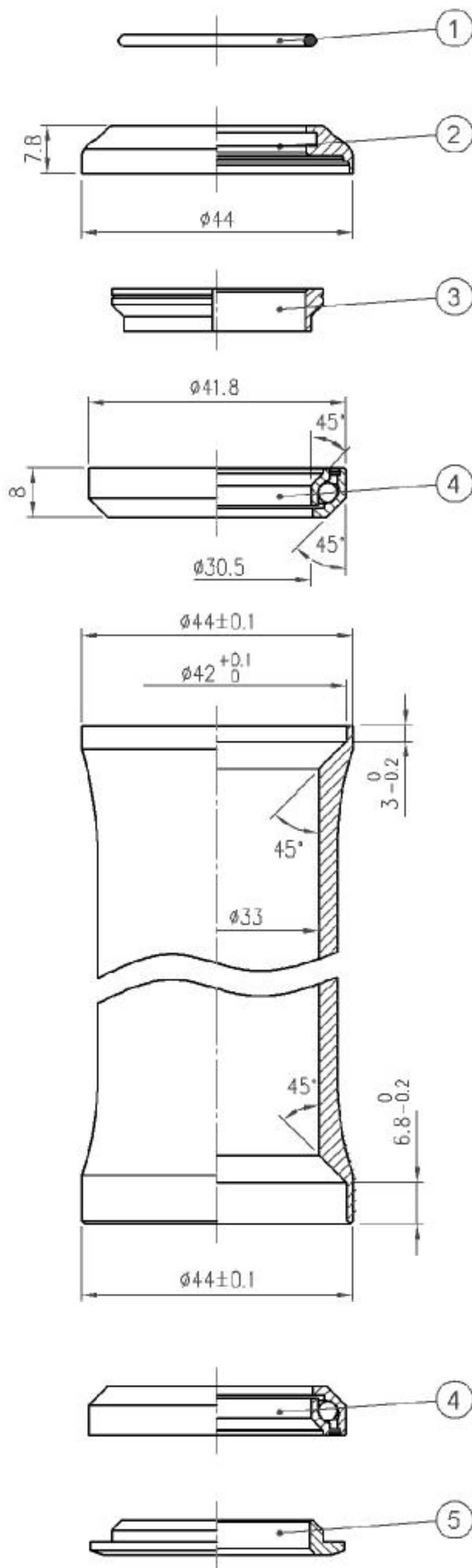
- Integrated style headset
- For 46mm OD headtube
- 1-1/8" steerer
- Stainless Steel Angular Contact Bearing (White seal)

No	Item No	Material	Qty
⑥	H6029 {NO.8-6}	7075 / T6	1PCS
⑤	MR042 {870S-2RS}	Stainless	2PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2100 {NO.8C-2}	Carbon	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 9.5+0.9=10.4

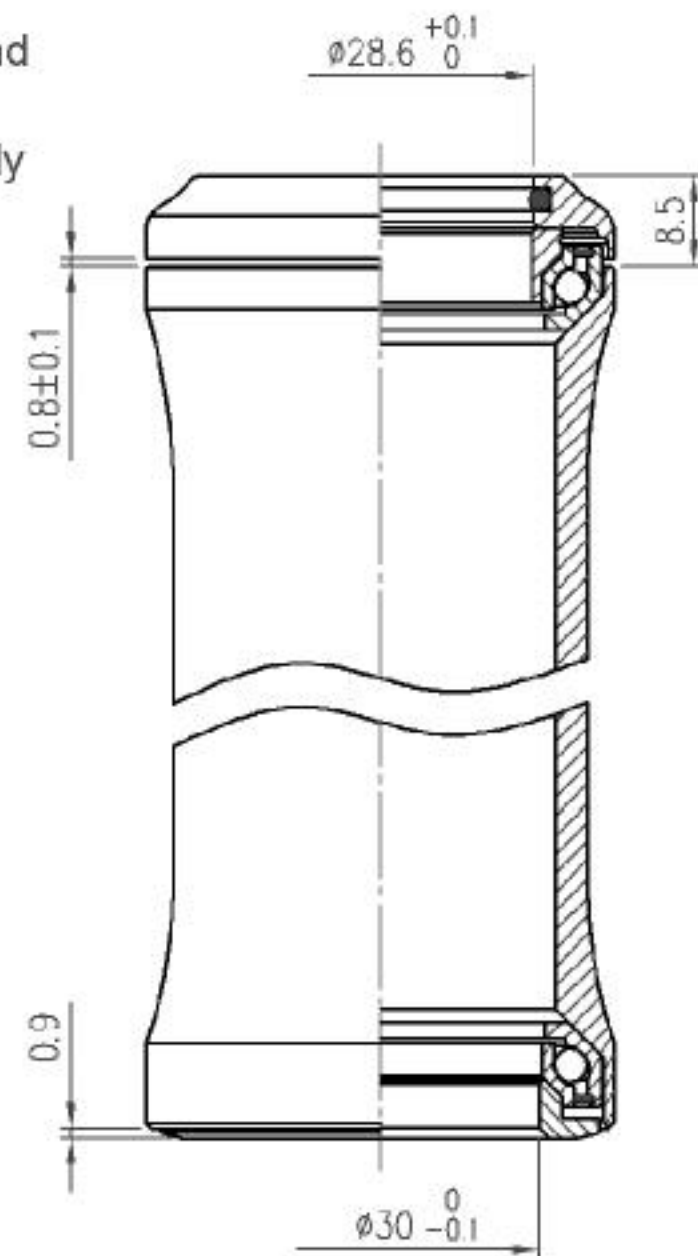
Orbit CF (NO.8C) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



# 1-1/8" 45°/45° ACB (Campagnolo)

Separate inner and outer races,  
Economic and fully serviceable.



- Integrated style headset
- GYRO Compatible
- For 45mm OD headtube
- 1-1/8" steerer
- Campagnolo type bearing (Yellow seal)
- 7075/T6 crown race

No	Item No	Material	Qty
⑤	H6029 {NO.8-6}	7075 / T6	1PCS
④	MR070 {870}	Chrome steel	2PCS
③	H2081 {NO.8-2}	6061 / T6	1PCS
②	H2152	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

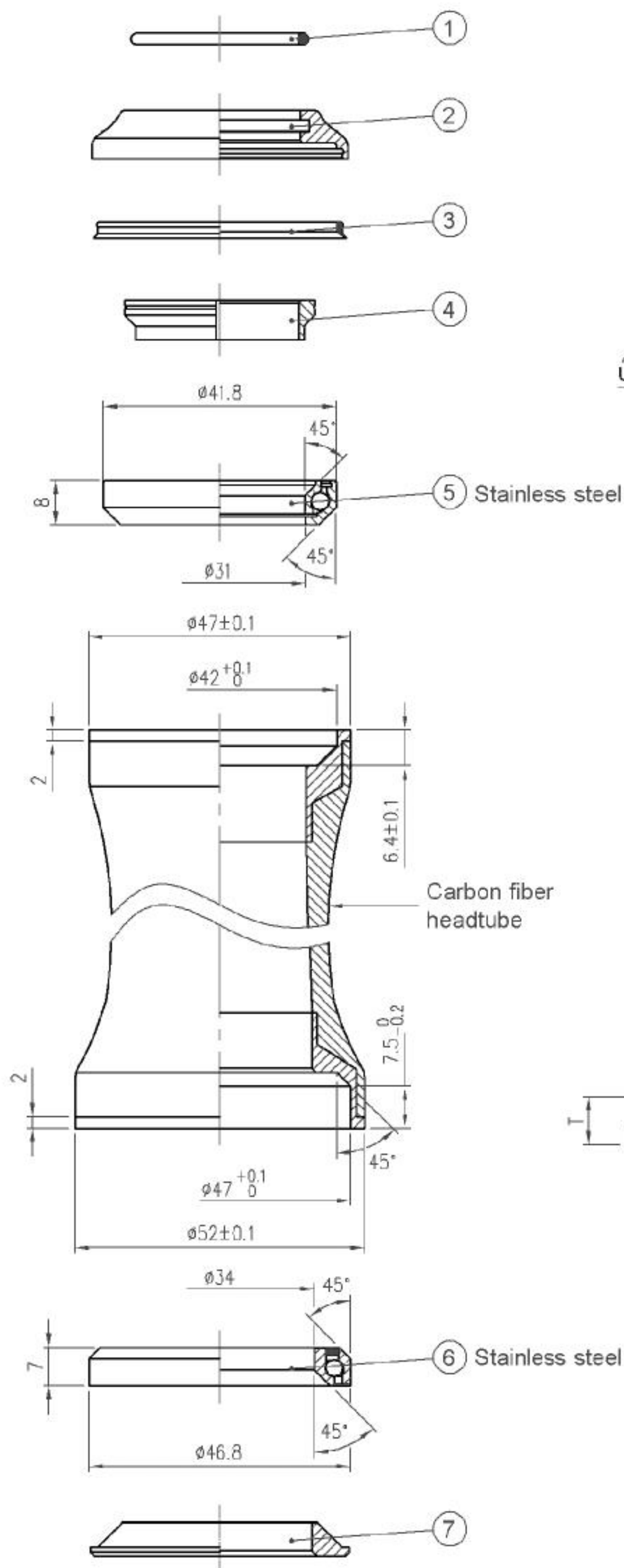
Stack Height: 8.5+0.9=9.4

Impact (NO.8D) 1-1/8"

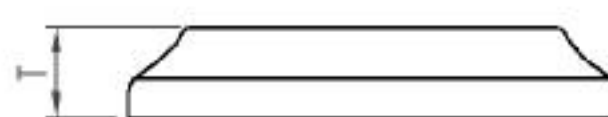
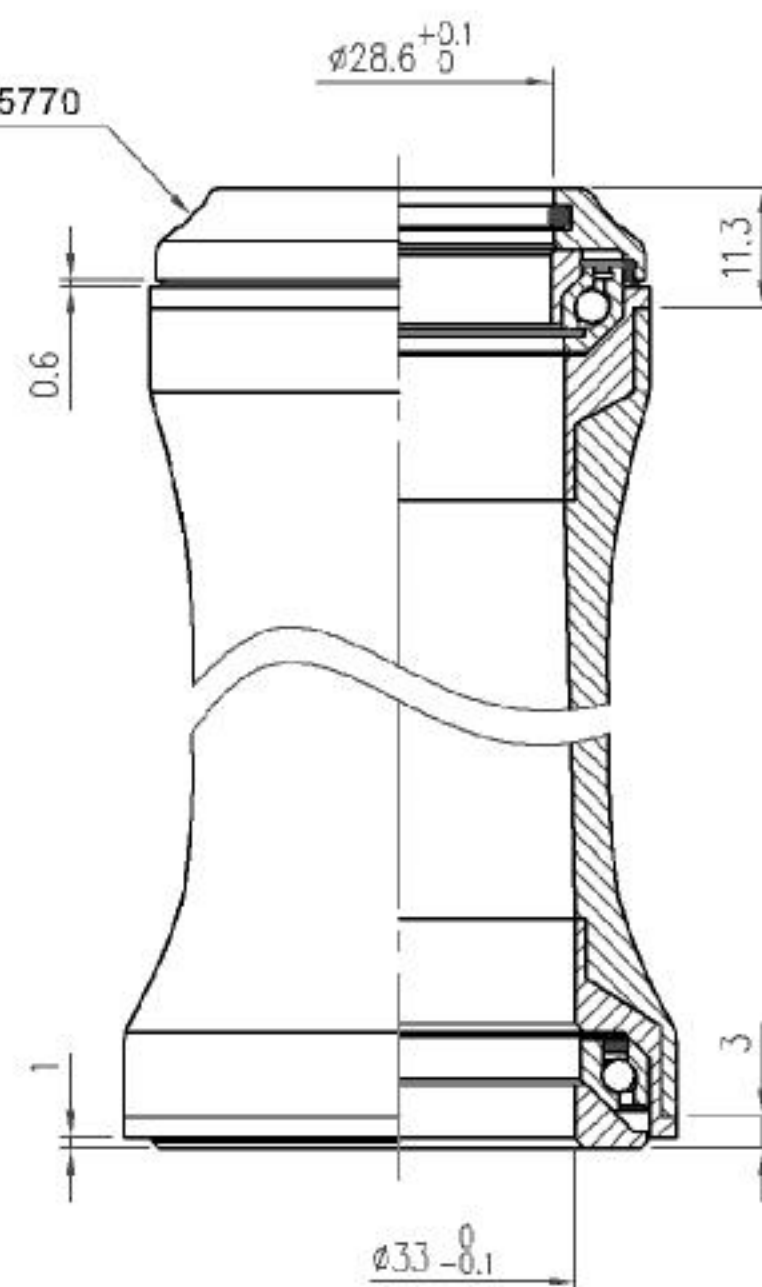
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



1-1/8" Upper  
1-1/4" Bottom  
45°/45° ACB  
(For carbon fiber frame)



U.S.A. PAT.5095770



Custom cone spacer

Item No	T
H2100A	8.7mm
H2100B	15mm



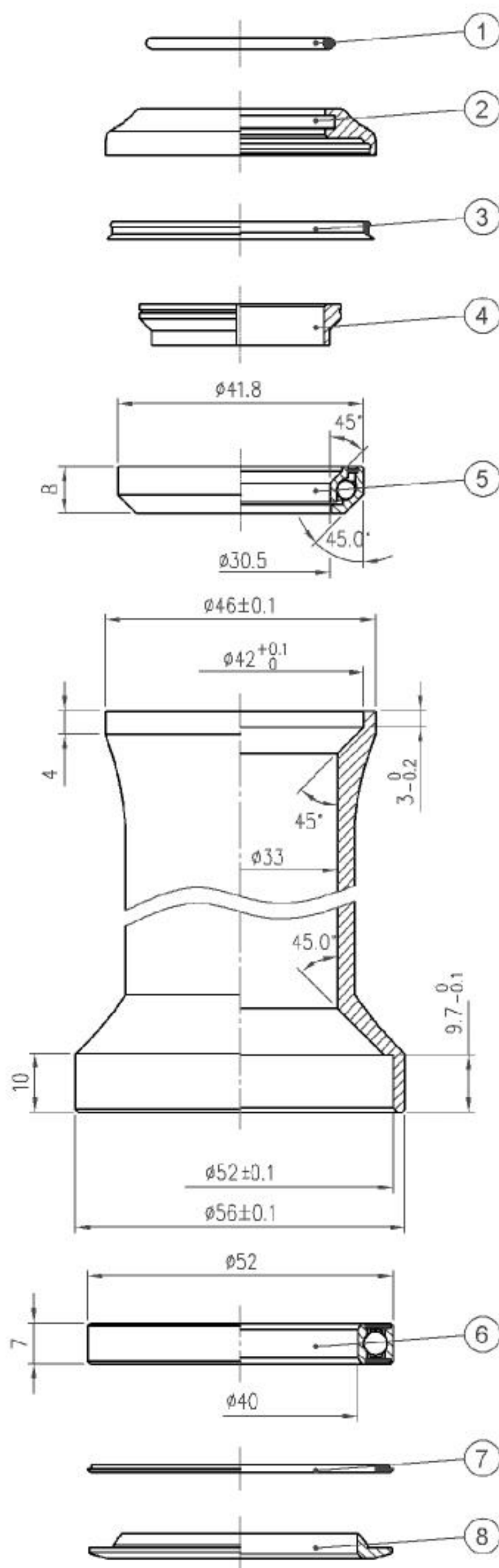
- Integrated style headset
- For special OD headtube
- For Carbon fiber steerer  
Upper : 1-1/8" Lower : 1-1/4"
- Stainless Steel Angular Contact Bearings
- 7075/T6 crown race

No	Item No	Material	Qty
⑦	H6063 {NO.44-6}	7075 / T6	1PCS
⑥	MR082 {970S}	Stainless	1PCS
⑤	MR042 {870S}	Stainless	1PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2100 {NO.8C-2}	Carbon	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 11.3+3=14.3

Orbit C-33 (NO.44)

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.



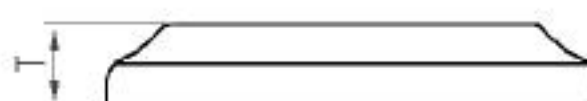
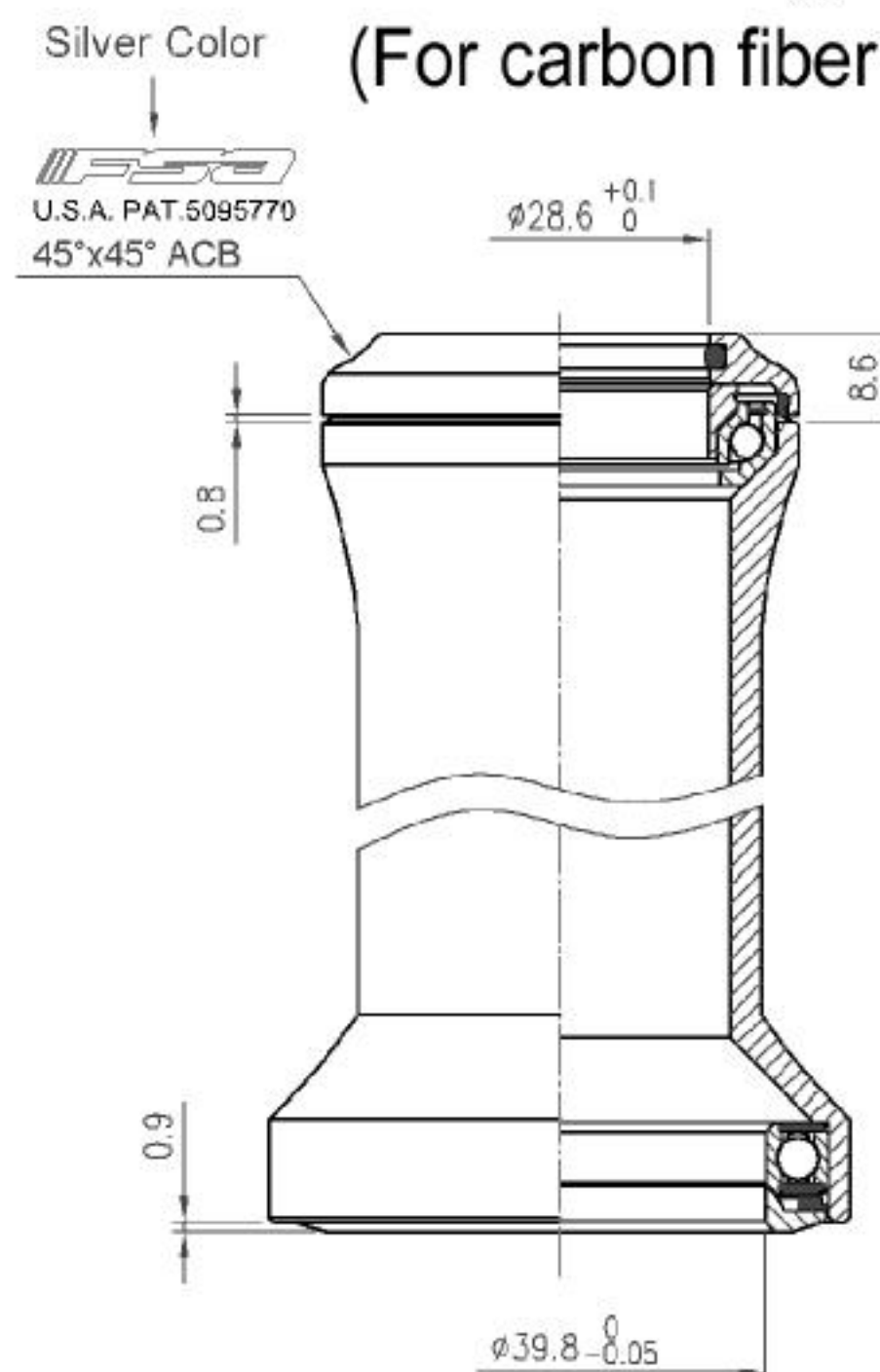
- Integrated style headset
- For special OD headtube
- For carbon fiber special steerer
- Upper:ACB (870B)  
Lower : 1.5" Bearing (NO.12B)
- Stainless crown race

1-1/8" Upper

1-1/4" Bottom

36° / 45° ACB -Upper  
Industrial bearing -Lower

(For carbon fiber frame)



Custom cone spacer

Item No	T
H2094A	7.8mm
H2094B	25mm



No	Item No	Material	Qty
⑧	H6049 {NO.12B-6}	Stainless	1PCS
⑦	MS110 {NO.12B}	Rubber	1PCS
⑥	MR069 {NO.12B}	Chrome steel	1PCS
⑤	MR070 {870}	Chrome steel	1PCS
④	H2081 {NO.8-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2094 {NO.8-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

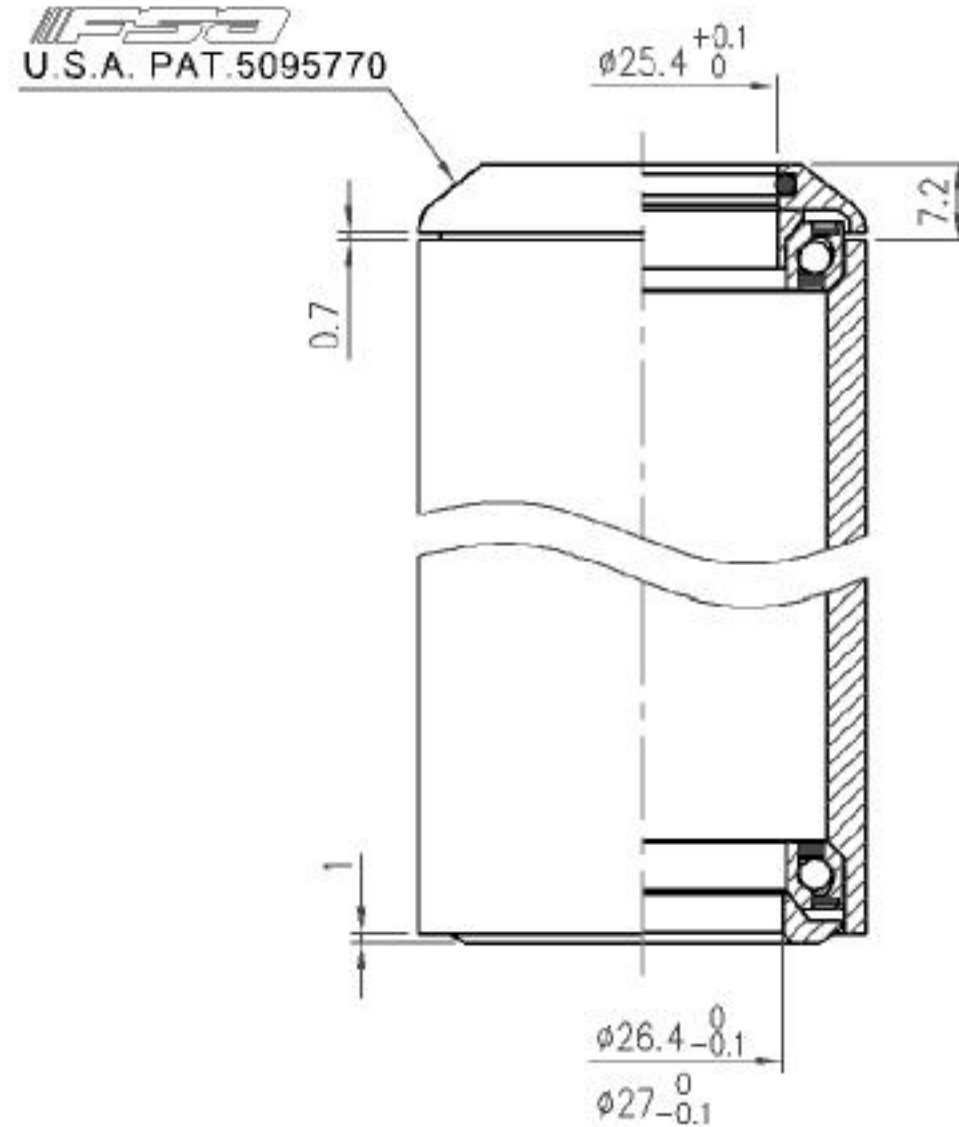
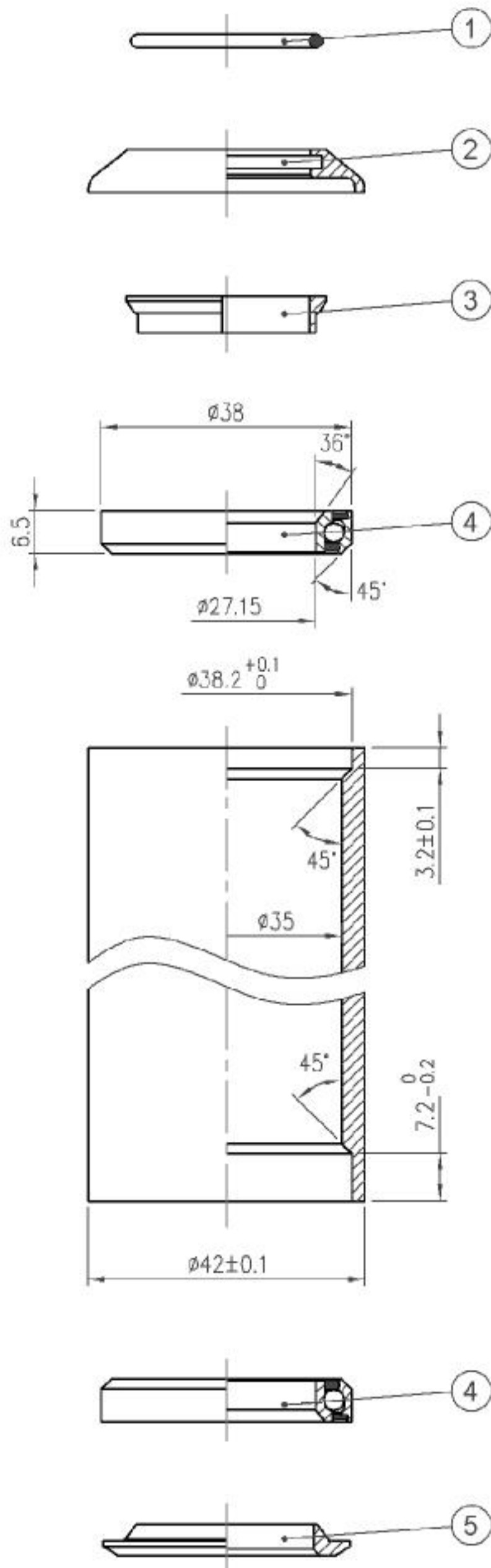
Stack Height: 8.6+0.9=9.5

Orbit C-40 (NO.42)

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1"

## 36° / 45° ACB



Custom cone spacer	
Item No	T
H2089B	15mm
H2089C	20mm
H2089D	25mm
H2089E	30mm



- Integrated style headset
- For 42mm OD headtube
- 1" steerer
- Angular Contact Bearings (Blue seal)
- Cane Creek® compatible

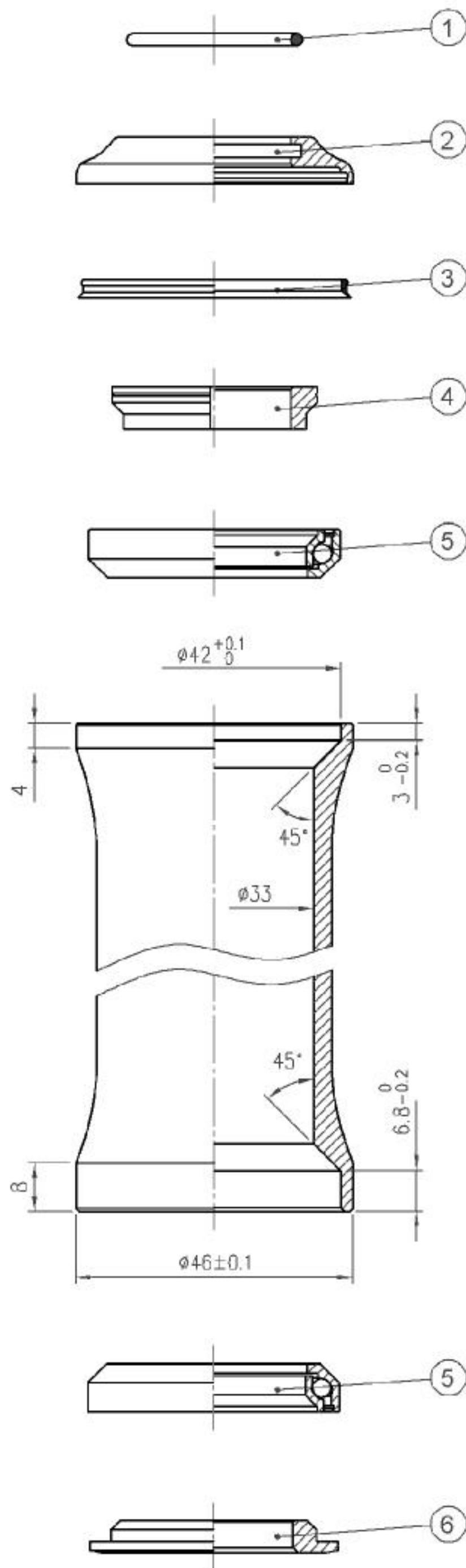
No	Item No	Material	Qty
⑤	H6027 {S2-1"-6}	7075 / T6	1PCS
④	MR055 {373-2RS}	Chrome steel	2PCS
③	H2047 {WCS-1"-2}	6061 / T6	1PCS
②	H2089 {IS-2A-2}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 7.2+1=8.2

Orbit IS (IS-2A) 1"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

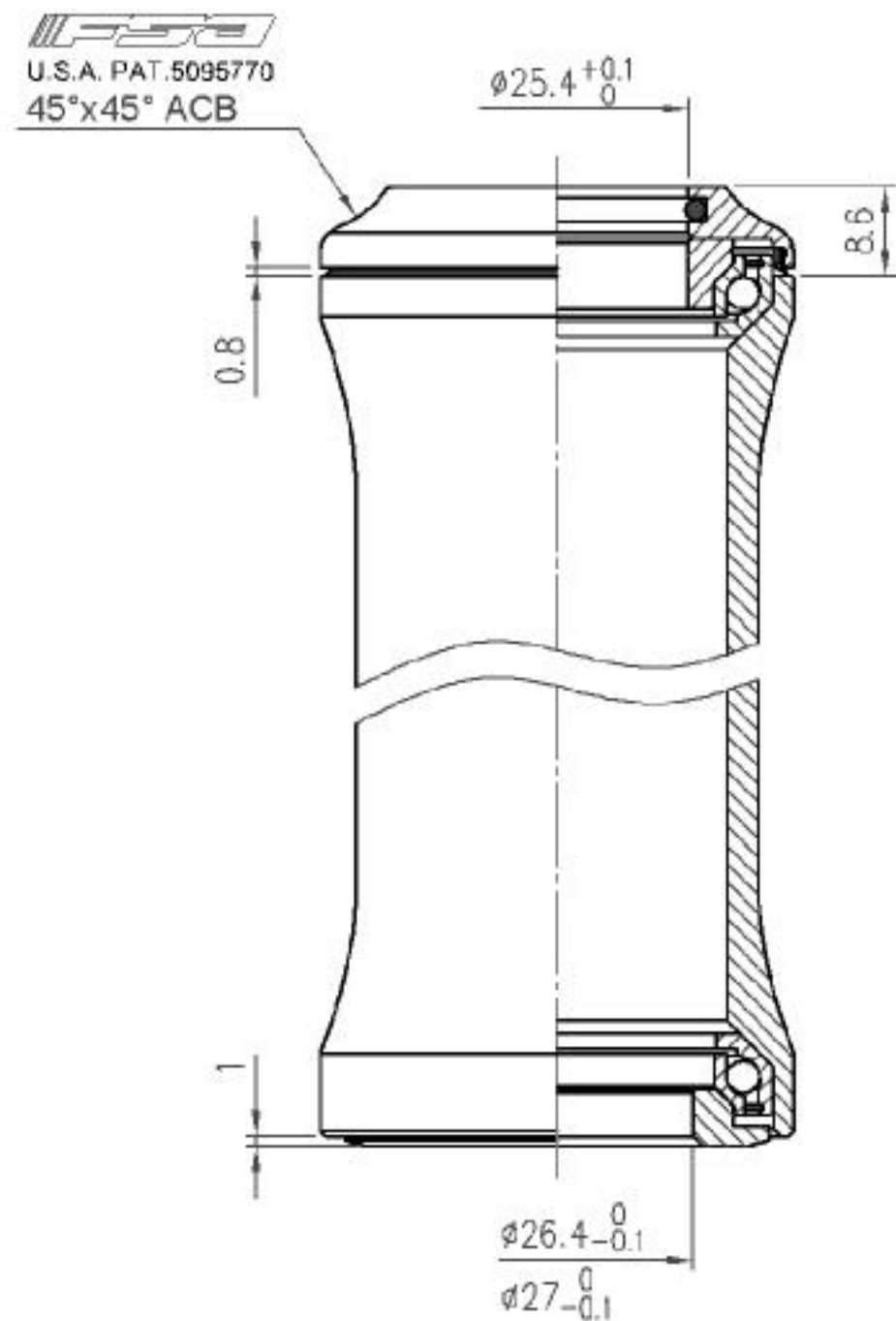




- Intergrated style headset
- For 46mm OD headtube
- 1" steerer
- Compagnolo type bearing(Yellow Seal)
- 7075/T6 crown race

# 1"

## 45°/45° ACB (Campy size)



No	Item No	Material	Qty
⑥	H6043 {NO.8BA-6}	7075 / T6	1PCS
⑤	MR070 {870}	Chrome steel	2PCS
④	H2102 {NO.8BA-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2101 {NO.8BA-2}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

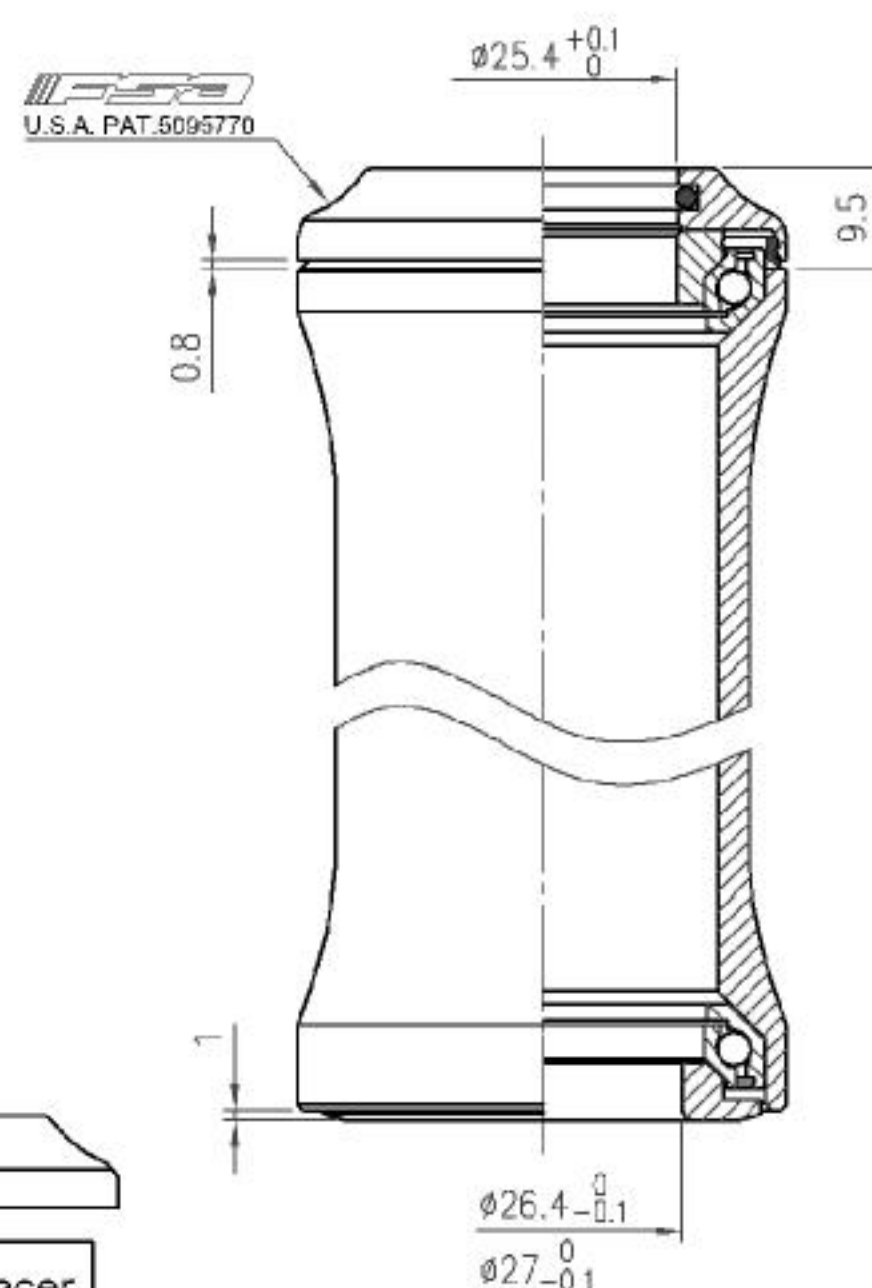
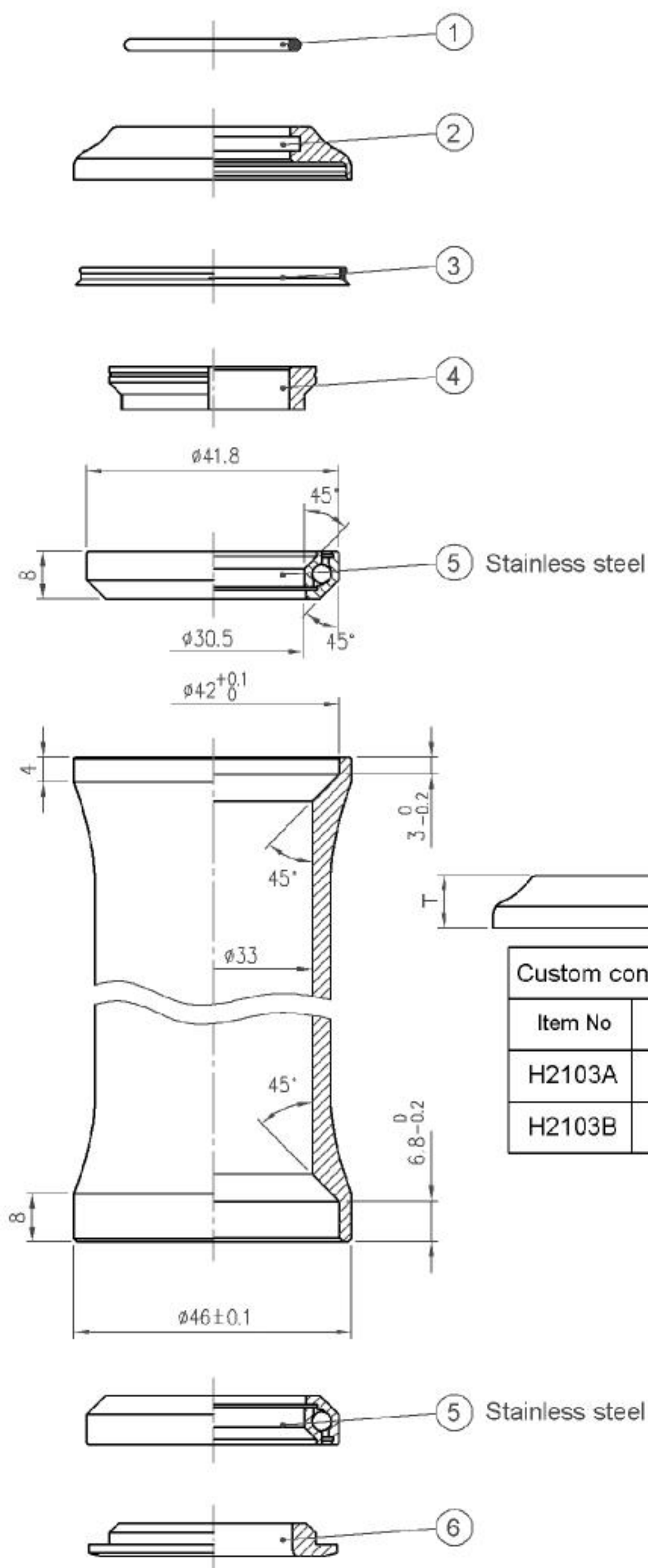
Stack Height: 8.6+1=9.6

Orbit CE (NO.8BA) 1"

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**

1"

45°/45° ACB (Campy size)



- Integrated style headset
- For 46mm OD headtube
- 1" steerer
- Carbon fiber top cover
- Stainless steel Angular Contact Bearings (White seal)
- 7075/T6 crown race

No	Item No	Material	Qty
⑥	H6043 {NO.8BA-6}	7075 / T6	1PCS
⑤	MR042 {870S-2RS}	Stainless	2PCS
④	H2102 {NO.8BA-2}	6061 / T6	1PCS
③	MS100	Rubber	1PCS
②	H2103 {NO.8CA-2}	Carbon	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 9.5+1=10.5

Orbit CF (NO.8CA) 1"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# Enduraset



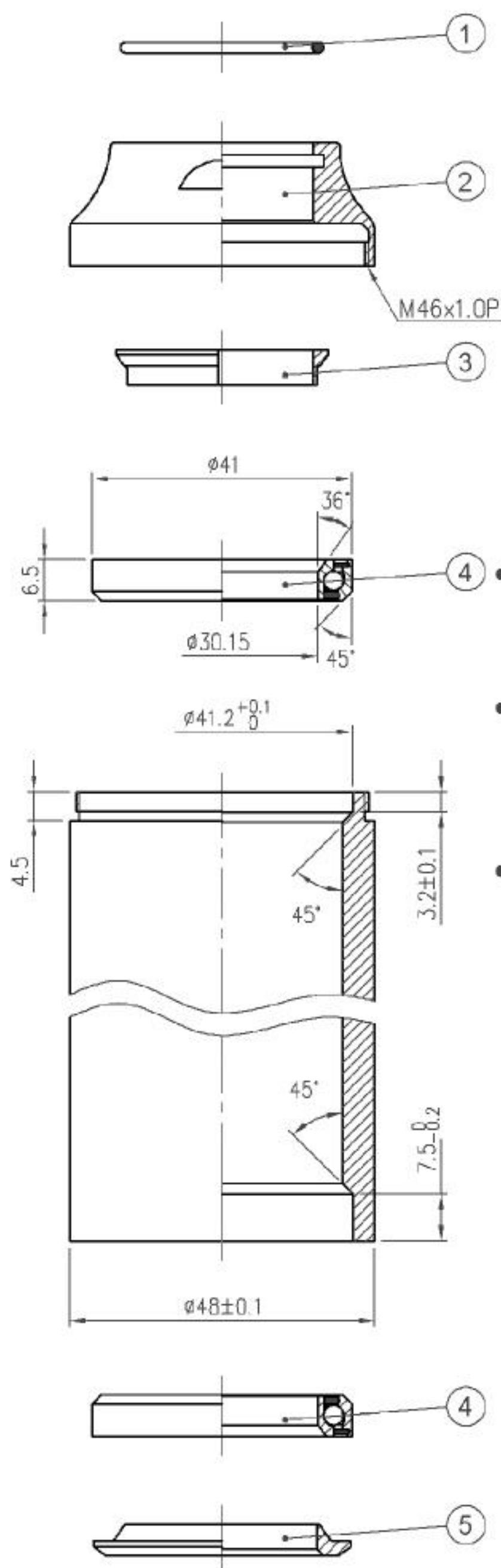
Enduraset is a new headset concept developed by Tien Hsin Industries. Very similar in concept to a conventional threaded headset, Enduraset is an economical, yet elegant threadless headset solution. Utilizing threads on top of the headtube, bearings can easily be adjusted without a top cap assembly or other compression device.

Enduraset is available in both Integrated (IS) or Internal (ZS) style configurations.

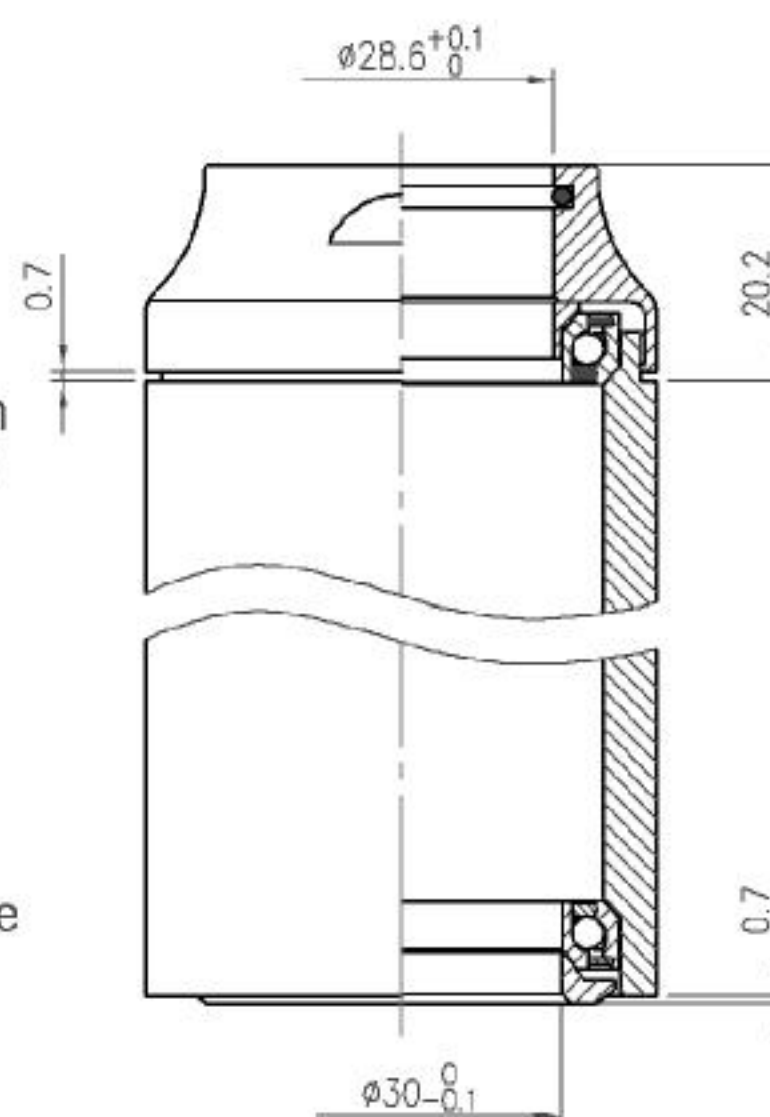


# 1-1/8"

## 36° / 45° ACB w/o cups



- Headset adjustment is maintained when stem is removed
- No need for traditional compression device (i.e. star-nut)
- Stem can be designed with blind steerer bore



- Integrated style headset
- For 48mm headtube
- 1-1/8" steerer
- 20mm tall alloy top cover
- Angular Contact Bearings (Blue seal)
- 7075/T6 crown race
- Patent pending

No	Item No	Material	Qty
⑤	H6028 {S2-1-1/8"-6}	7075 / T6	1PCS
④	MR054 {873-2RS}	Chrome Steel	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2122 {IS-3T-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

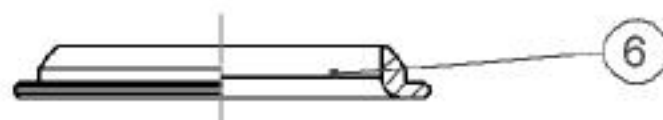
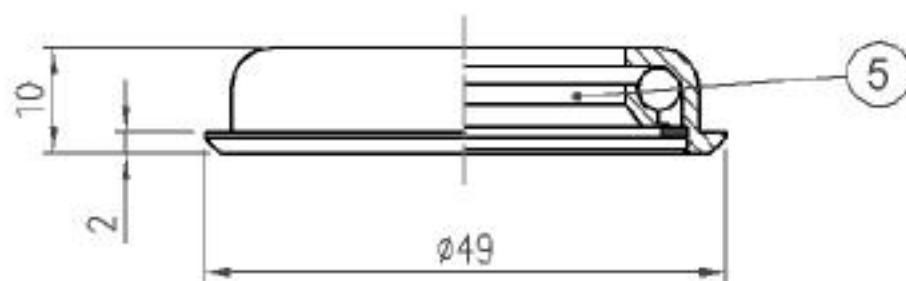
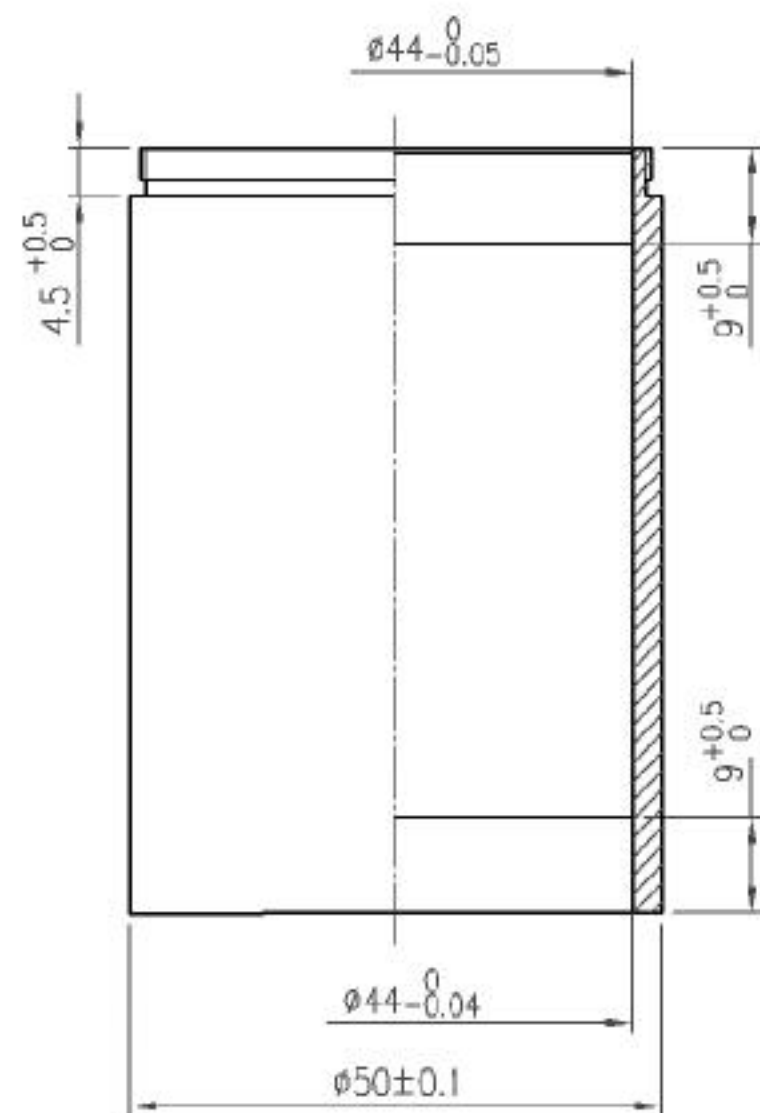
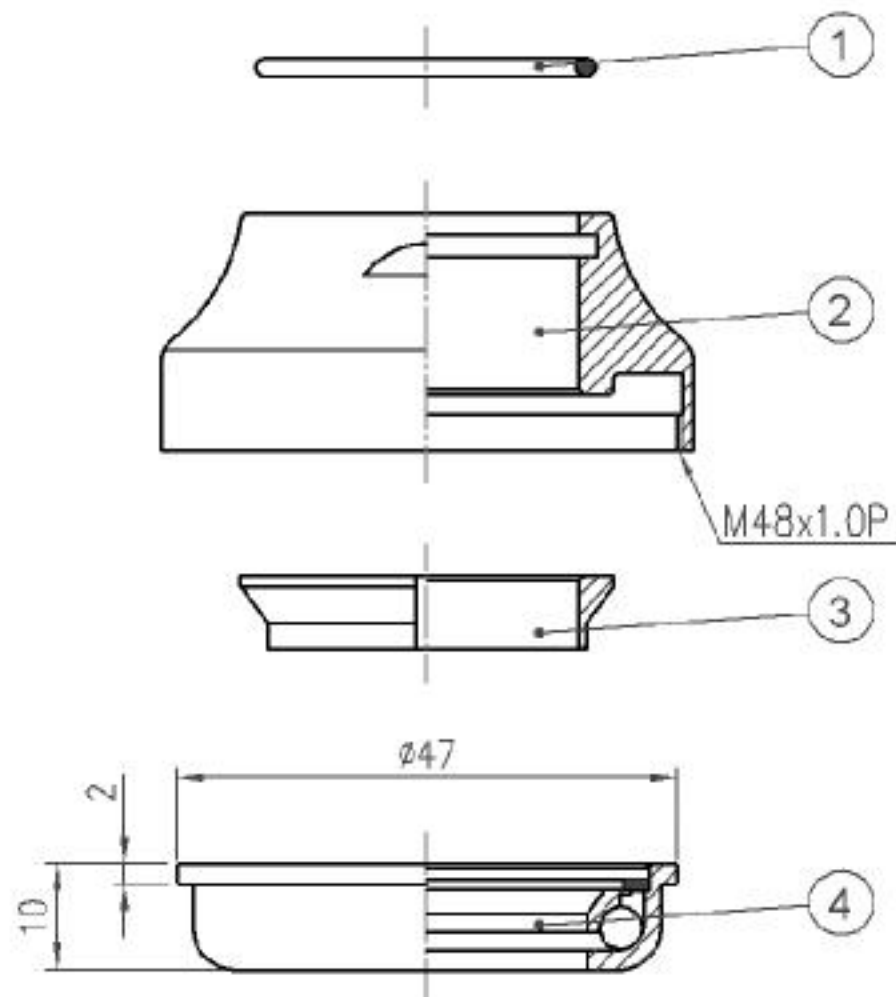
Stack Height: 20.2+0.7=20.9

Enduraset (IS-3T) 1-1/8"

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TH INDUSTRIES CO.,LTD.

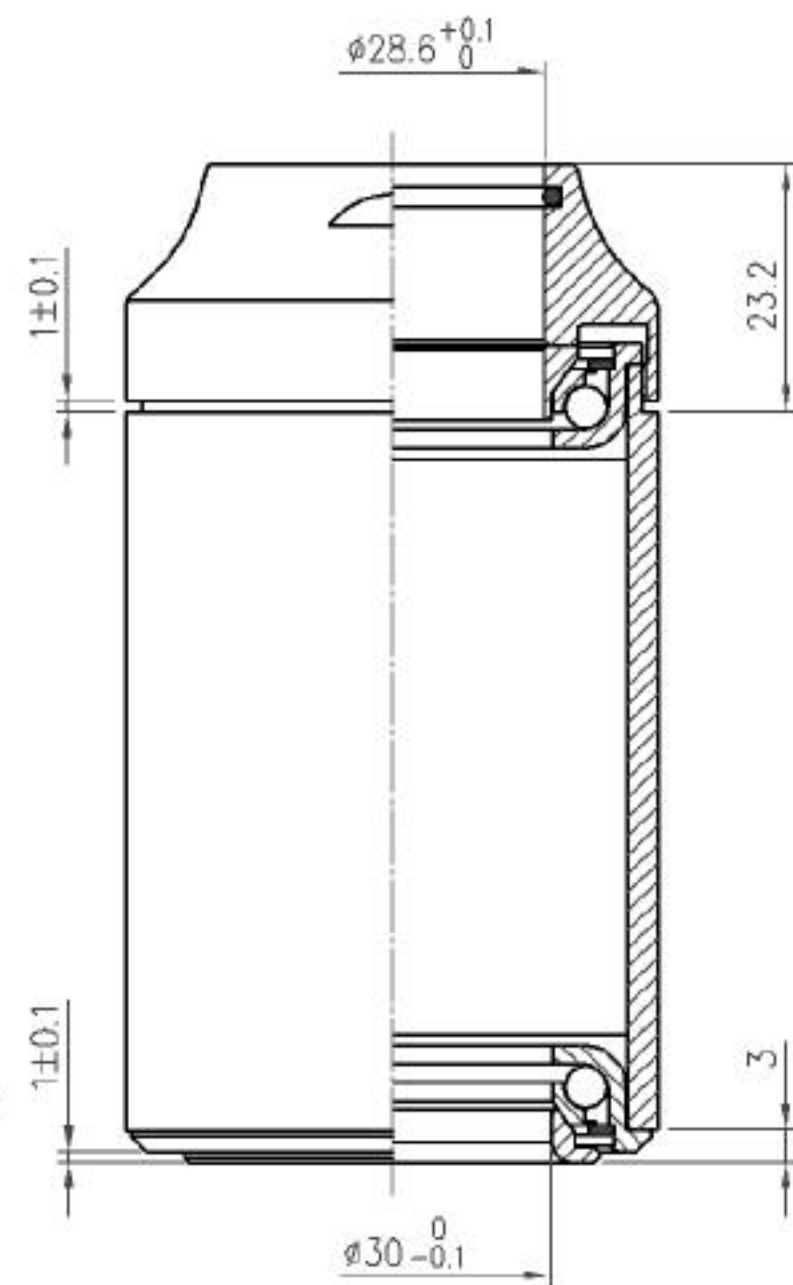
# 1-1/8"

## Semi-Cartridge w / cups



- Internal style (ZS) headset
- For 50mm headtube
- 1-1/8" steerer
- 23mm tall alloy top cover
- Chromoly cups
- Semi-cartridge cup bearings
- Patent pending

- Headset adjustment is maintained when stem is removed
- No need for traditional compression device (i.e. star-nut)
- Stem can be designed with blind steerer bore



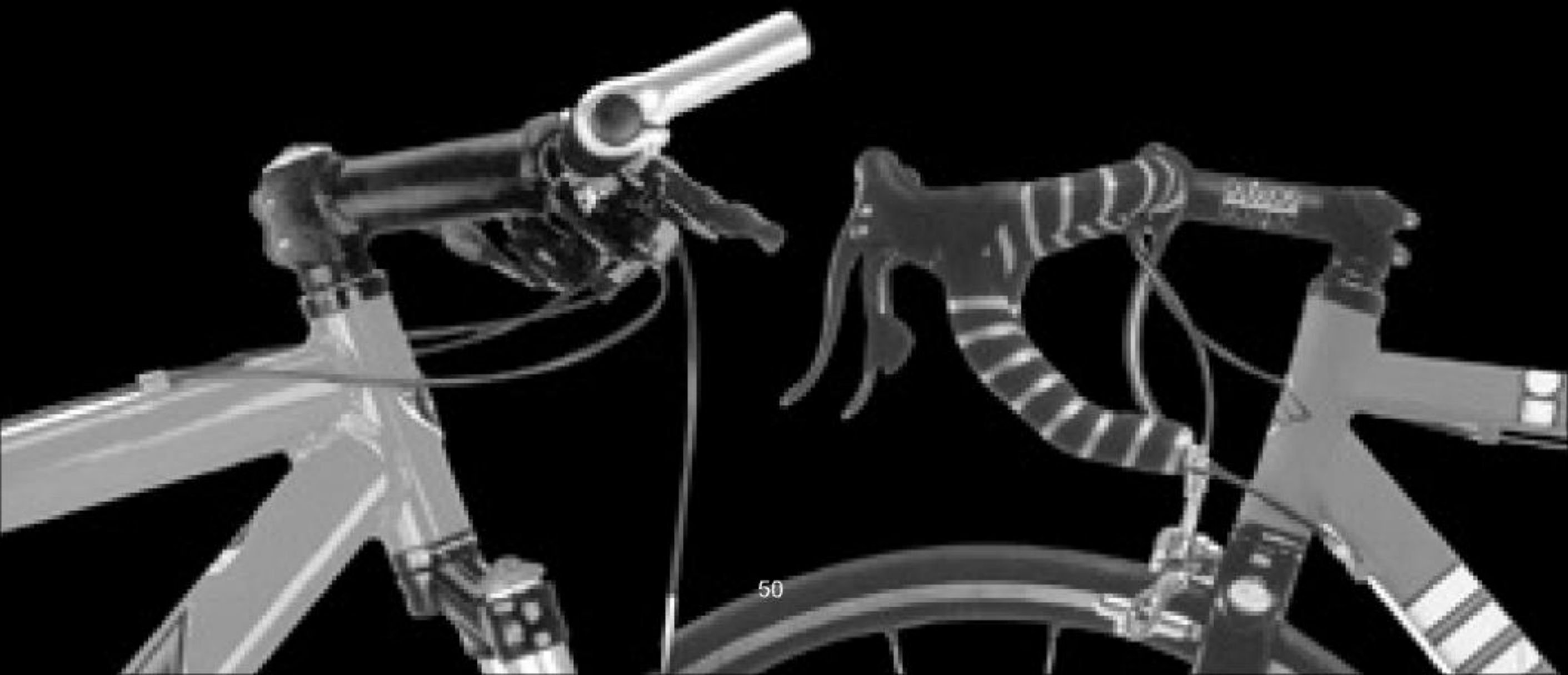
No	Item No	Material	Qty
⑥	H6018 {B-53-6}	Steel	1PCS
⑤	MR052	CrMo	1PCS
④	MR086	CrMo	1PCS
③	H2036 {NO.5-2}	Nylon	1PCS
②	H2121 {NO.11T-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 23.2+3=26.3

Enduraset E (NO.11T) 1-1/8"

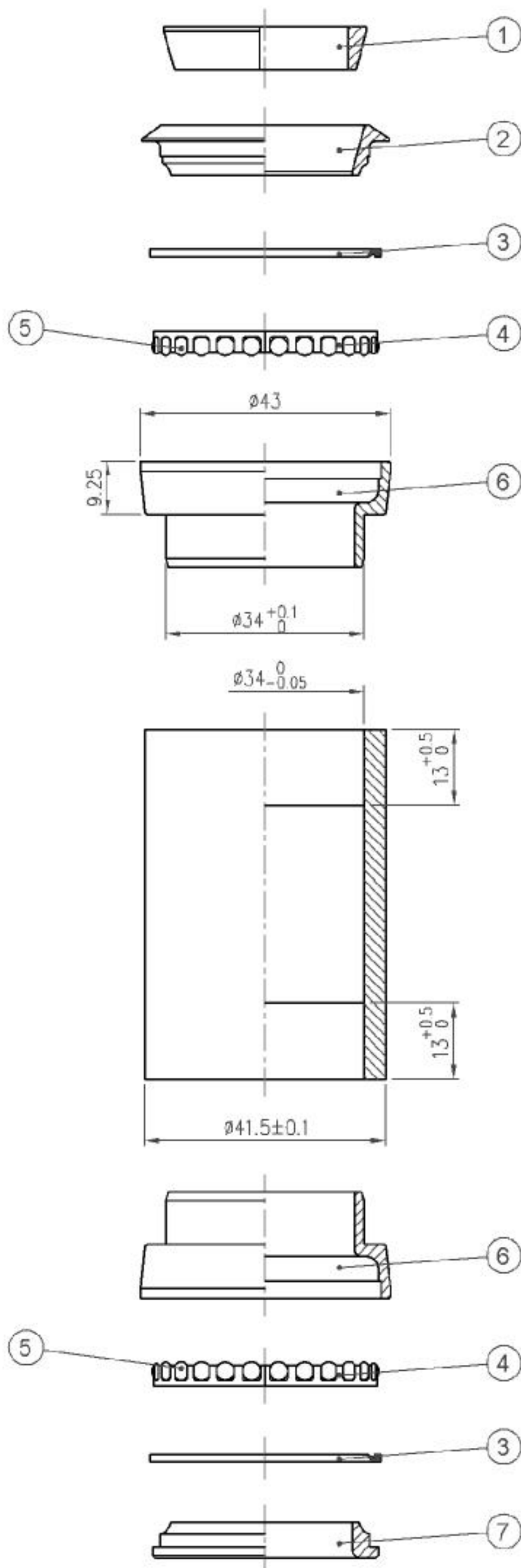
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TH INDUSTRIES CO.,LTD.

# Intellaset





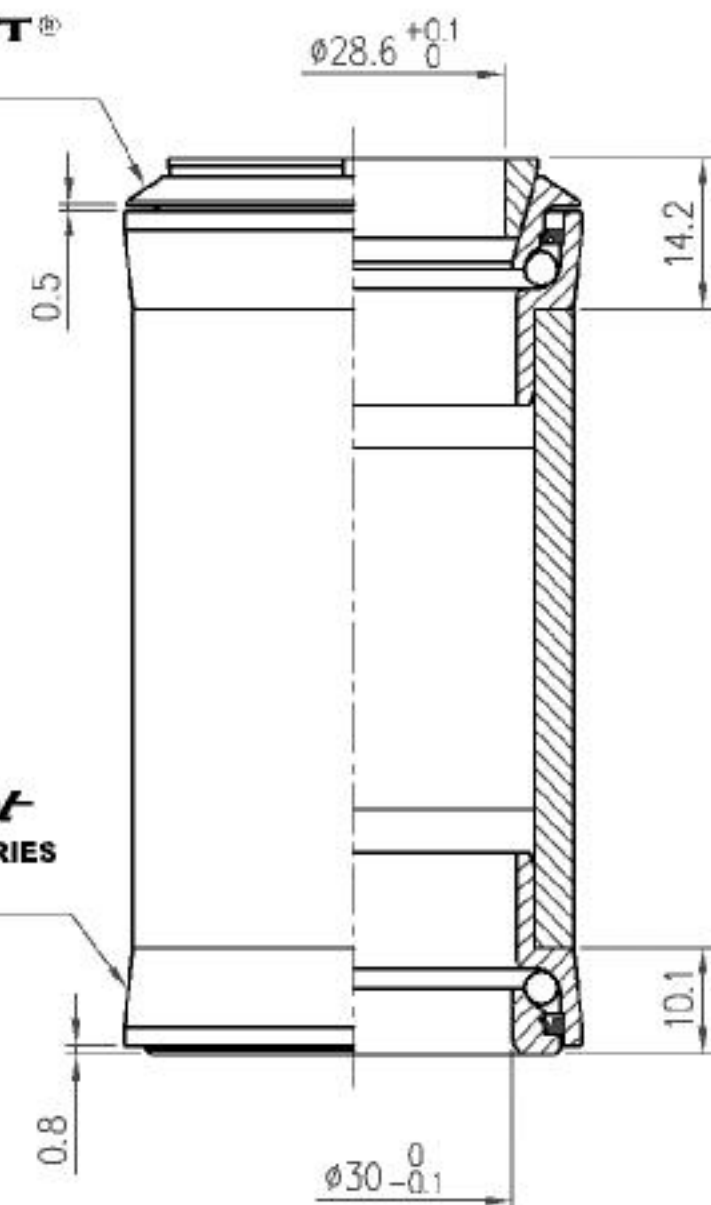
1-1/8"



- For 42mm normal OD headtube
- 1-1/8" steerer
- $\Phi 1/8$ " Caged ball bearings
- Steel cups

**AHEADSET®**  
pat. 5095770

**intellaset**  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2087A	8mm
H2087B	10mm
H2087C	15mm
H2087D	20mm
H2087E	25mm
H2087F	30mm



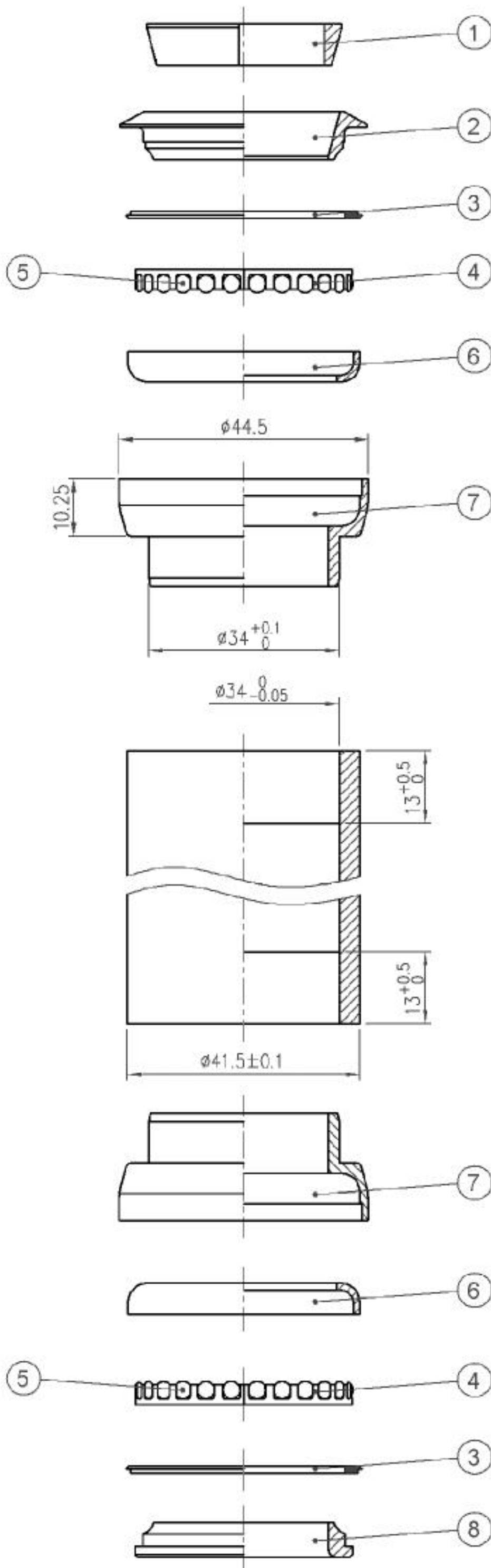
No	Item No	Material	Qty
⑦	H6010 {850-6}	Steel	1PCS
⑥	H4073 {NO.28-4-5}	Steel	2PCS
⑤	MR048 { $\Phi 1/8$ "x500#}	Chrome Steel	52PCS
④	MR056 { $\Phi 1/8$ "x26A}	Steel	2PCS
③	MS095	Rubber	2PCS
②	H3077 {NO.28-3}	Steel	1PCS
①	H2016 {855-2}	Nylon	1PCS

Stack Height: 14.2+10.1=24.3

Intellaset (NO.28) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

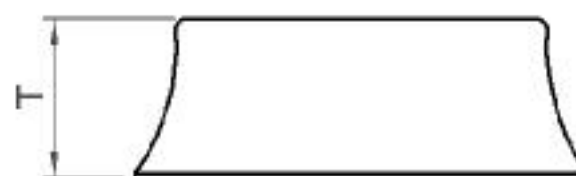
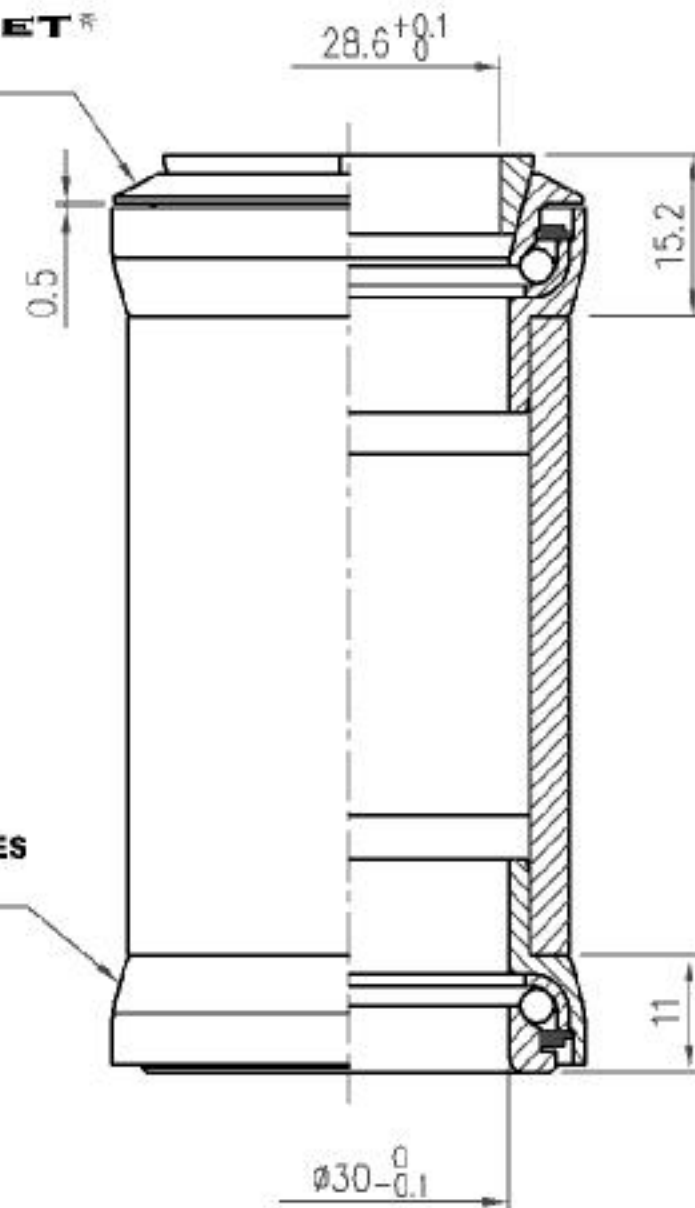
1-1/8"



- For 41.5-42.0mm normal OD headtube
- 1-1/8" steerer
- Alloy cups
- Double water seals
- $\Phi 1/8"$  x 26 caged steel balls
- Weight - 110 grams

**AHEADSET®**  
pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer	
Item No	T
H2087A	8mm
H2087B	10mm
H2087C	15mm
H2087D	20mm
H2087E	25mm
H2087F	30mm

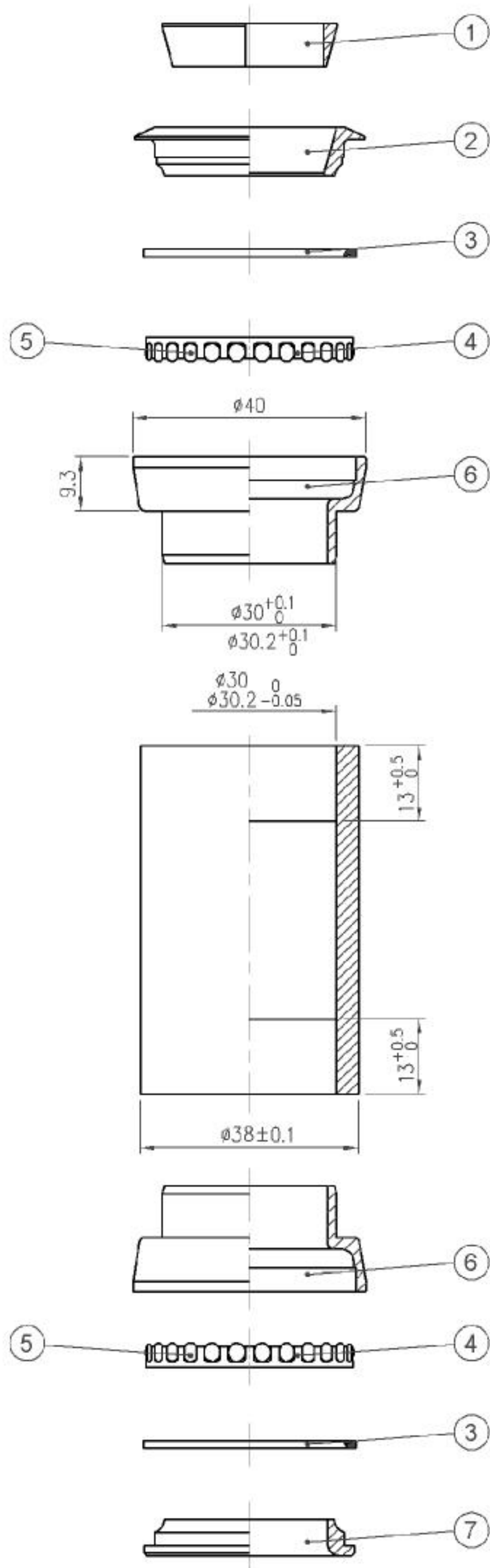


No	Item No	Material	Qty
⑧	H6010 {850-6}	Steel	1PCS
⑦	H4078	6061 / T6	2PCS
⑥	H7036	CrMo	2PCS
⑤	MR048 { $\Phi 1/8"$ x 500#}	Chrome steel	52PCS
④	MR056 { $\Phi 1/8"$ x 26A}	Steel	2PCS
③	MS018 {800-4~6}	Rubber	2PCS
②	H3065	Steel	1PCS
①	H2016 {855-2}	Nylon	1PCS

Stack Height: 15.2+11=26.2

TH-28AL (1-1/8")

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TH INDUSTRIES CO.,LTD.

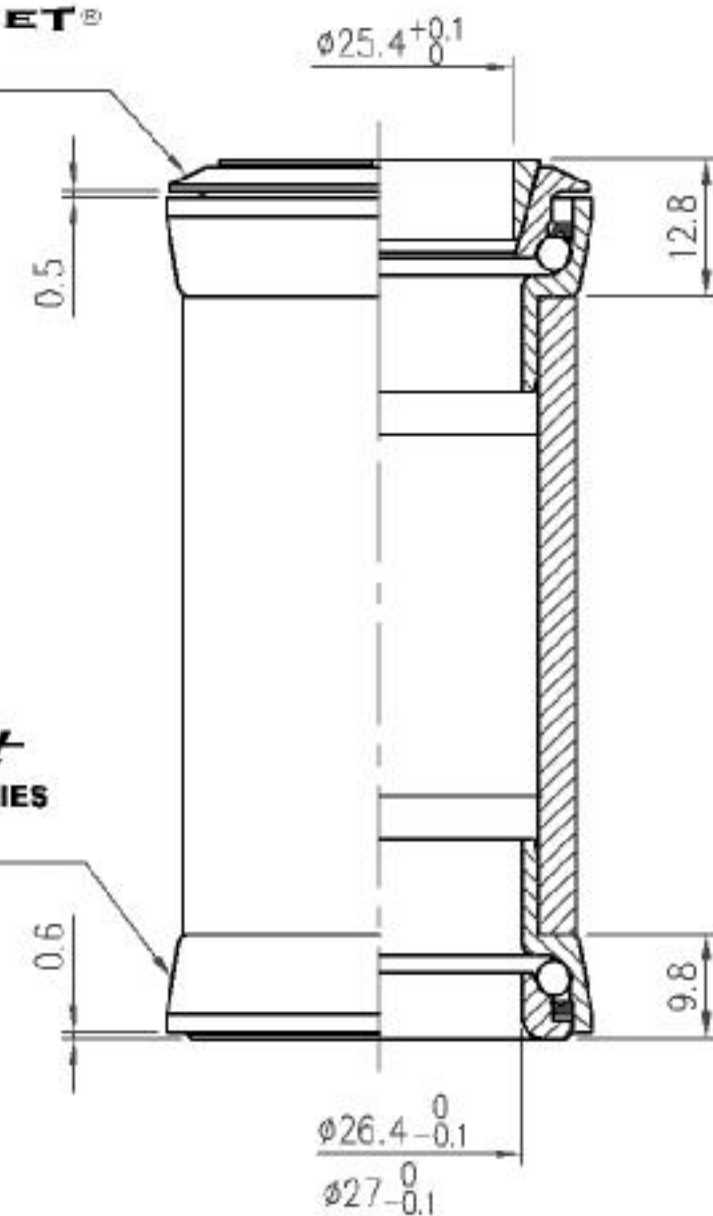


- For 38mm normal OD headtube
- 1" steerer
- Forged steel cups
- Double water seals
- $\Phi 1/8$ "x26 caged steel balls
- Weight - 110 grams

1"

**AHEADSET®**  
pat. 5095770

**intellaset**  
Mfg. by TH INDUSTRIES  
for CANE CREEK®



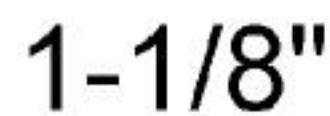
No	Item No	Material	Qty
⑦	H6006 {390-6}	Steel	1PCS
⑥	H4075 {NO.28A-4-5}	Steel	2PCS
⑤	MR048 { $\Phi 1/8$ "x500#}	Chrome Steel	44PCS
④	MR058 { $\Phi 1/8$ "x22}	Steel	2PCS
③	MS088	Crown race W/ Rubber seal	2PCS
②	H3078 {NO.28A-3}	Steel	1PCS
①	H2018 {NO.2A-2}	Nylon	1PCS

Stack Height: 12.8+9.8=22.6

Intellaset (NO.28A) 1"

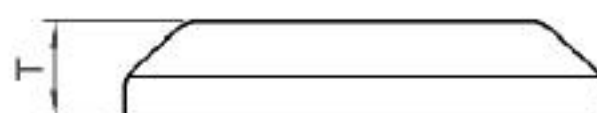
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TH INDUSTRIES CO.,LTD.





Technical drawing of a 2x3x3x3 cube showing dimensions and tolerances. The drawing includes a side view and a cross-section view. Dimensions are given in millimeters (mm).

- Overall width:  $\phi 28.6^{+0.1}_0$
- Overall height: 15.5
- Overall depth: 12.2
- Internal width:  $\phi 30^{0}_{-0.1}$
- Internal height: 12.2
- Internal depth: 12.2
- Internal width (bottom):  $\phi 30^{0}_{-0.1}$
- Internal height (bottom): 12.2
- Internal depth (bottom): 12.2
- Internal width (top):  $\phi 28.6^{+0.1}_0$
- Internal height (top): 15.5
- Internal depth (top): 12.2
- Internal width (middle):  $\phi 28.6^{+0.1}_0$
- Internal height (middle): 15.5
- Internal depth (middle): 12.2
- Internal width (bottom):  $\phi 30^{0}_{-0.1}$
- Internal height (bottom): 12.2
- Internal depth (bottom): 12.2
- Internal width (top):  $\phi 28.6^{+0.1}_0$
- Internal height (top): 15.5
- Internal depth (top): 12.2
- Internal width (middle):  $\phi 28.6^{+0.1}_0$
- Internal height (middle): 15.5
- Internal depth (middle): 12.2
- Internal width (bottom):  $\phi 30^{0}_{-0.1}$
- Internal height (bottom): 12.2
- Internal depth (bottom): 12.2



Stack Height:  $15.5 + 12.2 = 27.7$

Intellaset Pro (NO.14) 1-1/8"

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TH INDUSTRIES CO., LTD.

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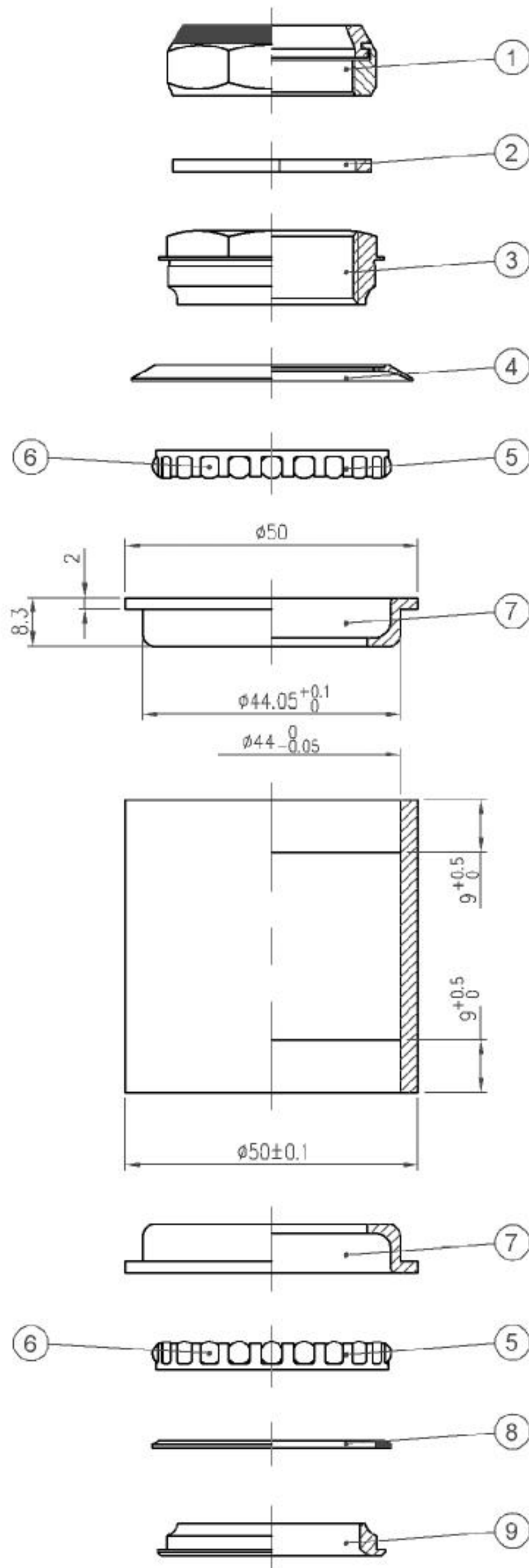
# **Threaded**

## **(For City bike)**

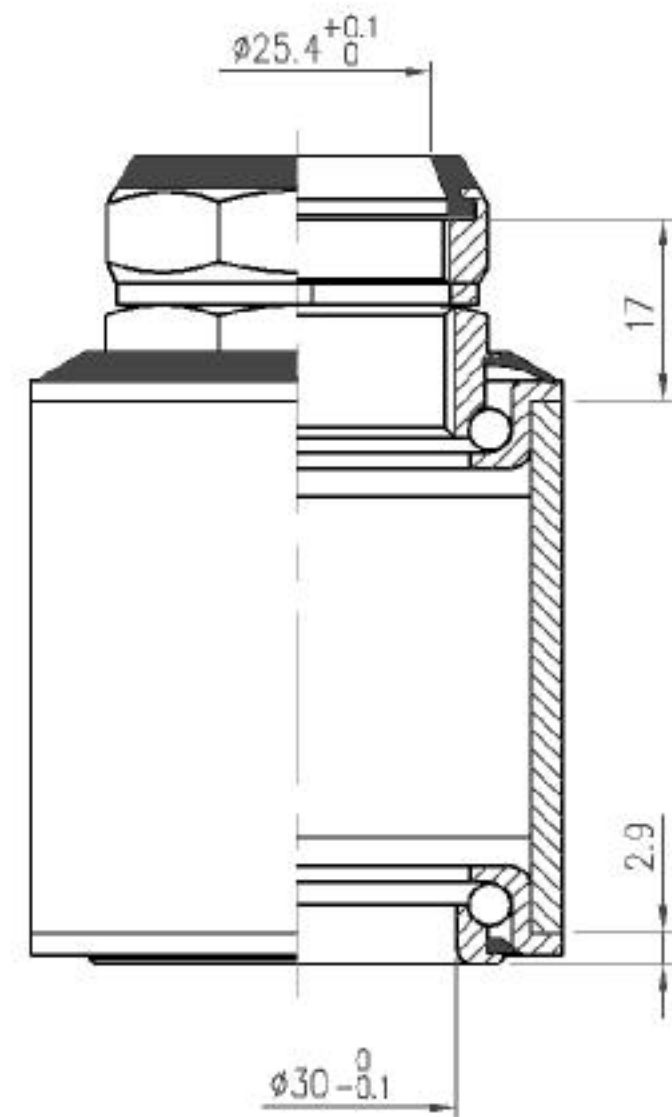


TH-806AL

1-1/8"



- For 50mm OD headtube
- 1-1/8" steerer
- Chromoly cups & lock nut
- $\Phi 5/32$ " Caged ball bearings



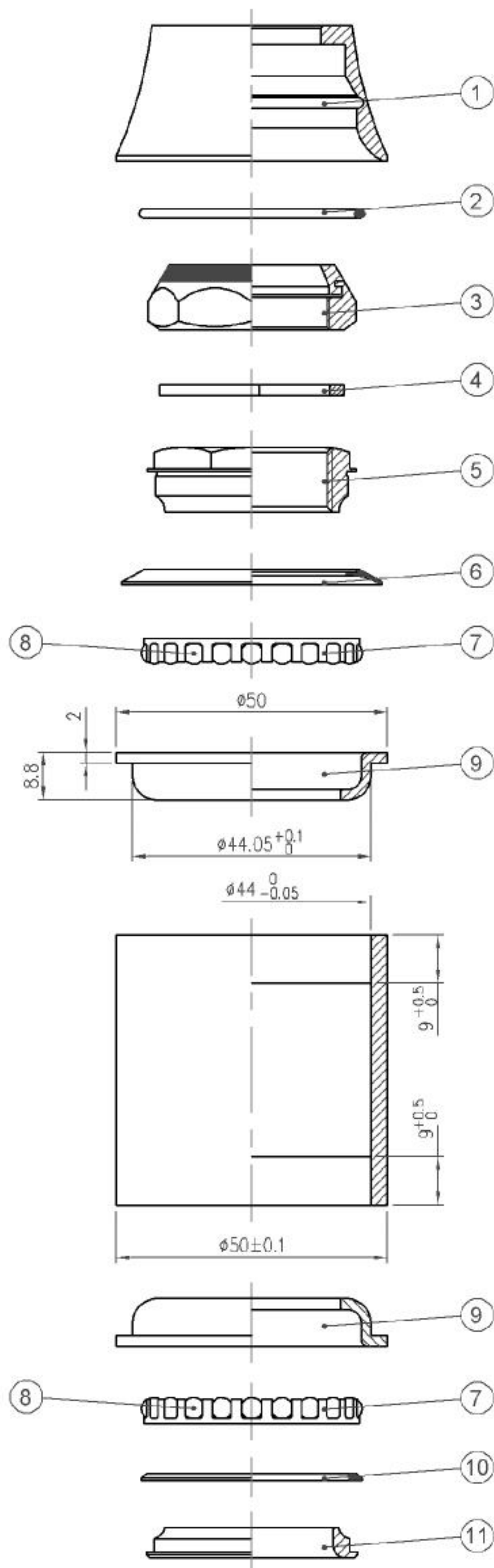
No	Item No	Material	Qty
⑨	H6030 {805ST-6}	Steel	1PCS
⑧	MS022 {500-5}	Rubber	1PCS
⑦	H4060 {ZST-1-1/8"-4~5}	CrMo	2PCS
⑥	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	40PCS
⑤	MR013 { $\Phi 5/32$ "x20}	Steel	2PCS
④	MS067	P.P	1PCS
③	H3031 {850S-3}	Steel	1PCS
②	H2012 {850-2}	Steel	1PCS
①	H1020 {850-1}	Zinc alloy	1PCS

Stack Height: 17+2.9=19.9

TH-805ST (1-1/8")

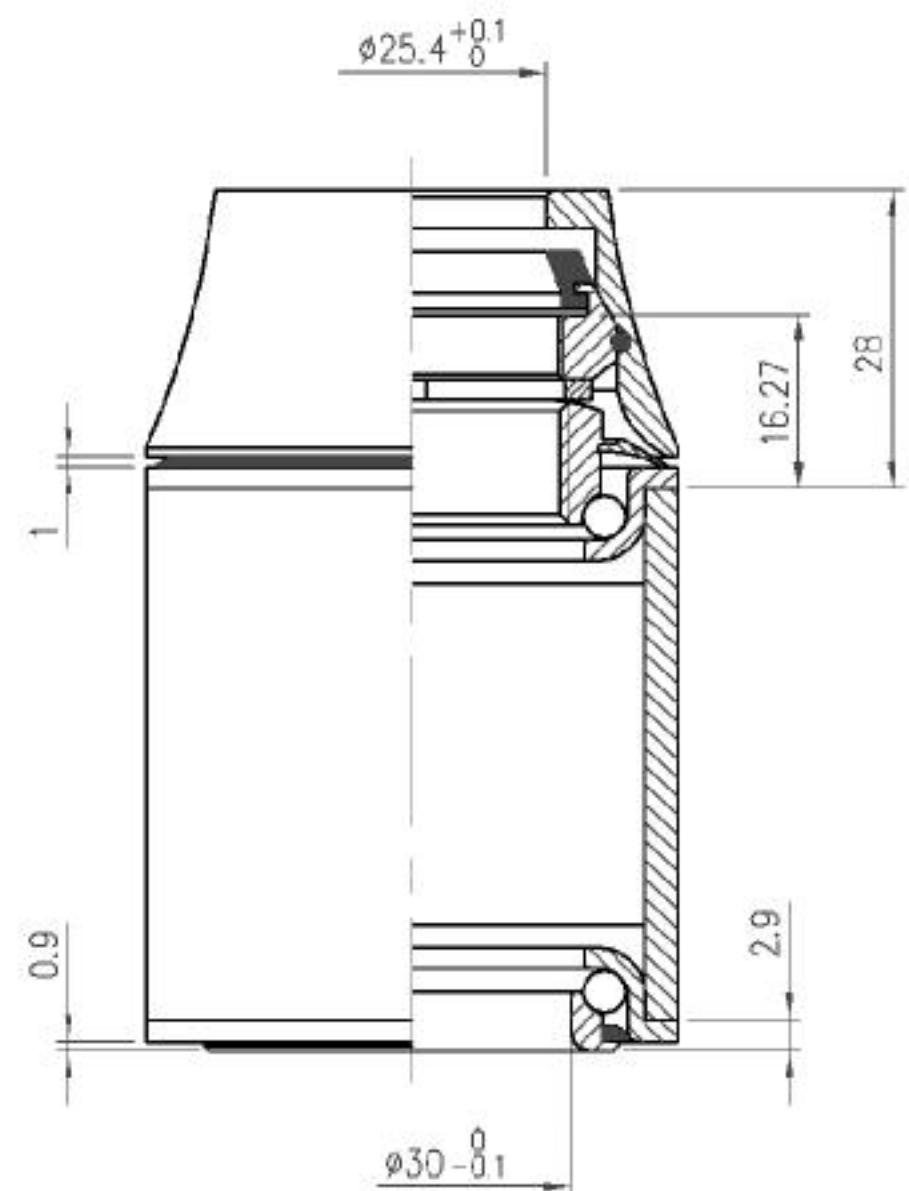
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TH INDUSTRIES CO.,LTD.





- For 50mm OD headtube
- 1-1/8" steerer
- Alloy customer spacer
- $\Phi 1/8$ " caged ball bearings

# 1-1/8"

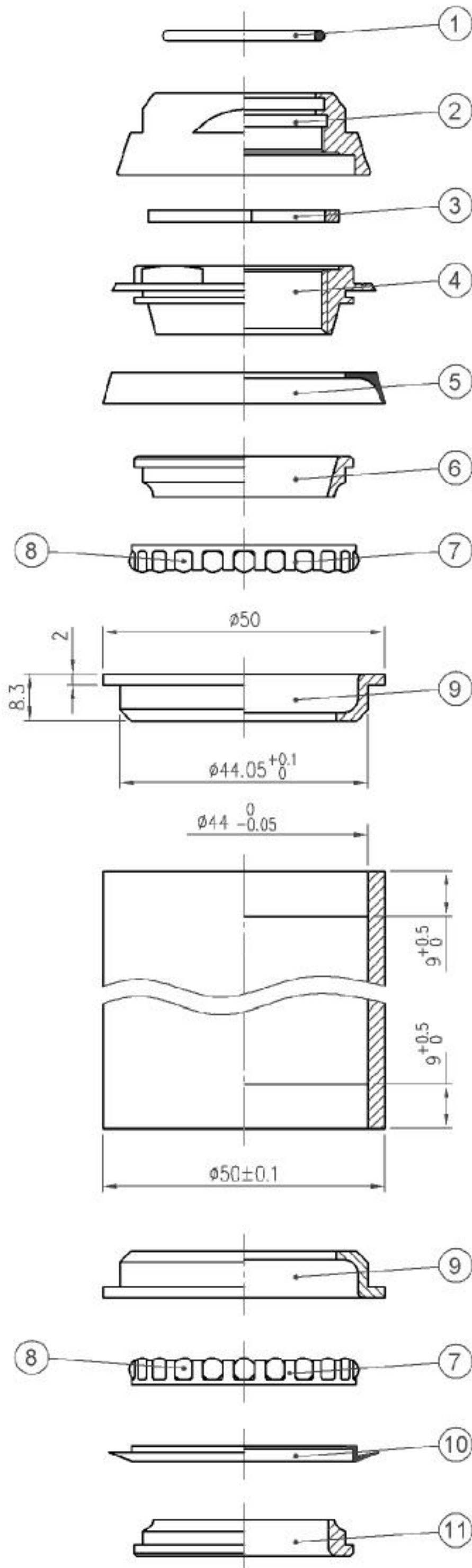


No	Item No	Material	Qty
⑪	H6030 {805ST-6}	Steel	1PCS
⑩	MS022 {500-5}	Rubber	1PCS
⑨	H4060 {ZST-1-1/8"-4~5}	Steel	2PCS
⑧	MR001 { $\Phi 5/32$ "x500#}	Steel	40PCS
⑦	MR013 { $\Phi 5/32$ "x20}	Steel	2PCS
⑥	MS067	P.P	1PCS
⑤	H3031 {850S-3}	Steel	1PCS
④	H2012 {850-2}	Steel	1PCS
③	H1020 {850-1}	Zinc	1PCS
②	MS109	Rubber	1PCS
①	H2142	6061 / T6	1PCS

Stack Height: 28+2.9=30.9

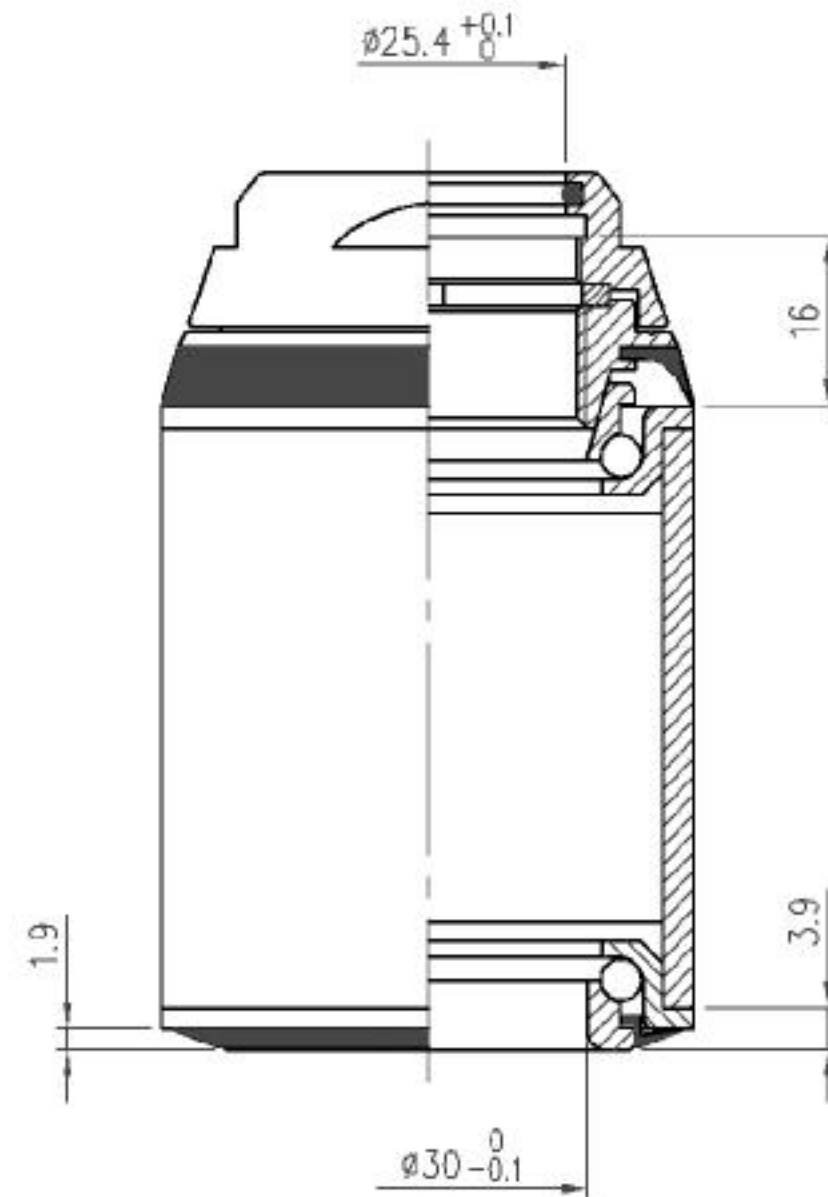
TH-805ST-1 (1-1/8")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Threaded style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Chromoly cups
- $\Phi 5/32$ " caged ball bearings
- Alloy top nut

# 1-1/8"

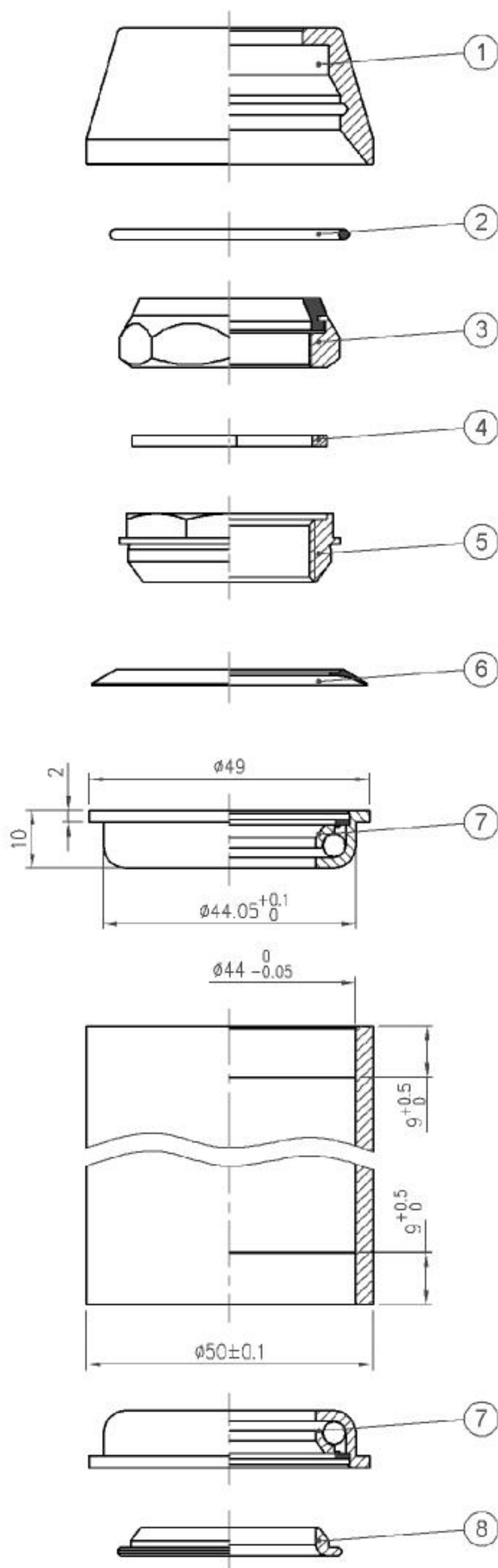


No	Item No	Material	Qty
⑪	H6010 {850-6}	Steel	2PCS
⑩	MS093 {NO.10-4~5}	Rubber	2PCS
⑨	H4060 {NO.10-4~5}	CrMo	52PCS
⑧	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	2PCS
⑦	MR013 { $\Phi 5/32$ "x20}	Steel	2PCS
⑥	H3071 {888-3}	Steel	1PCS
⑤	MS070	Rubber	1PCS
④	H3085 {806ST-3}	6061 / T6	1PCS
③	H2012 {850-2}	Steel	1PCS
②	H1052 {806AL-1}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 16+3.9=19.9

TH-806ST (1-1/8")

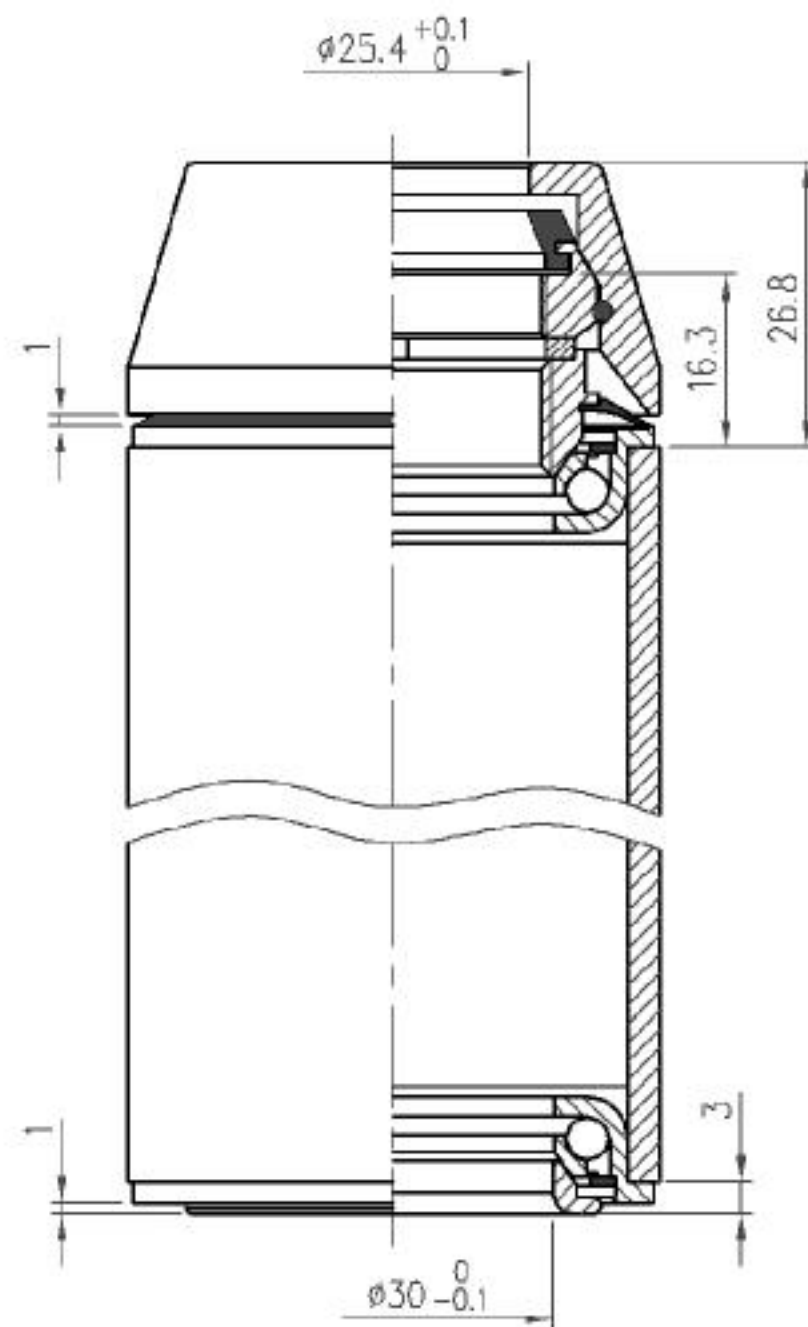
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Threaded style headset
- For 50mm OD headtube
- 1-1/8" steerer
- 23mm tall Alloy custom spacer
- Chromoly cups
- Zinc lock nut
- Semi-Cartridge Cup bearings

## 1-1/8"

Semi-cartridge type



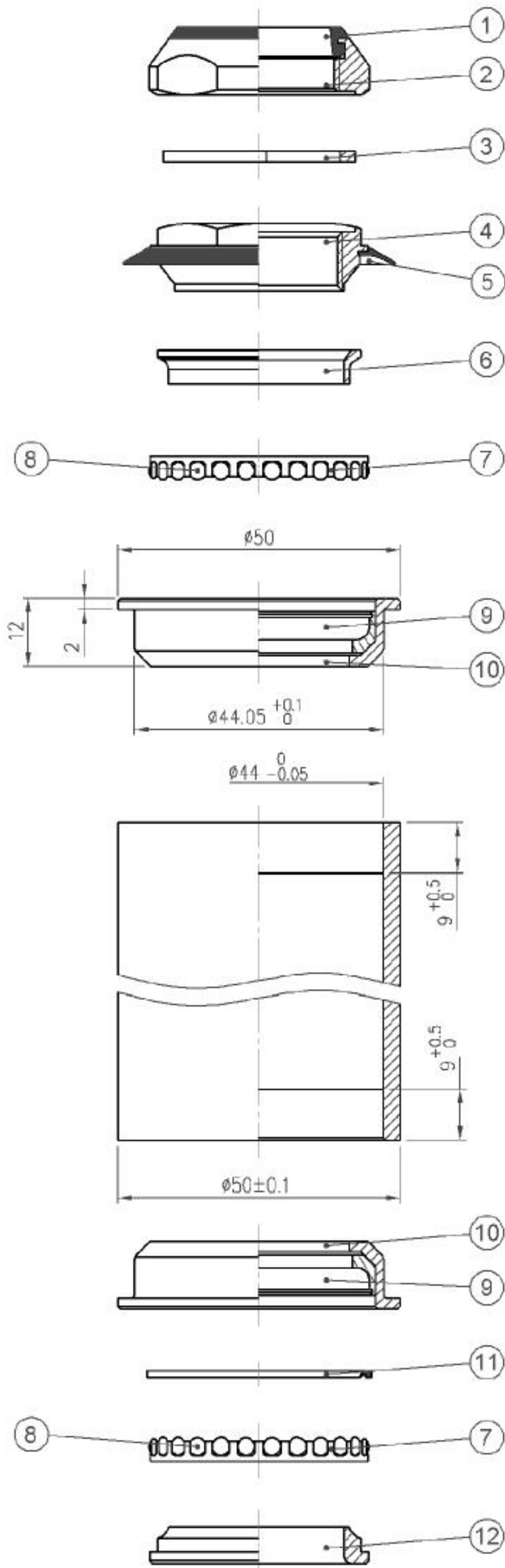
No	Item No	Material	Qty
⑧	H6018 {B-53-6}	Steel	1PCS
⑦	MR083 {NO.11Q}	Steel	2PCS
⑥	MS067	P.P	1PCS
⑤	H3087 {807-3}	Zinc	1PCS
④	H2012 {850-2}	Steel	1PCS
③	H1020 {850-1}	Zinc alloy	1PCS
②	MS109	Rubber	1PCS
①	H2146	6061/T6	1PCS

Stack Height: 26.8+3=29.8

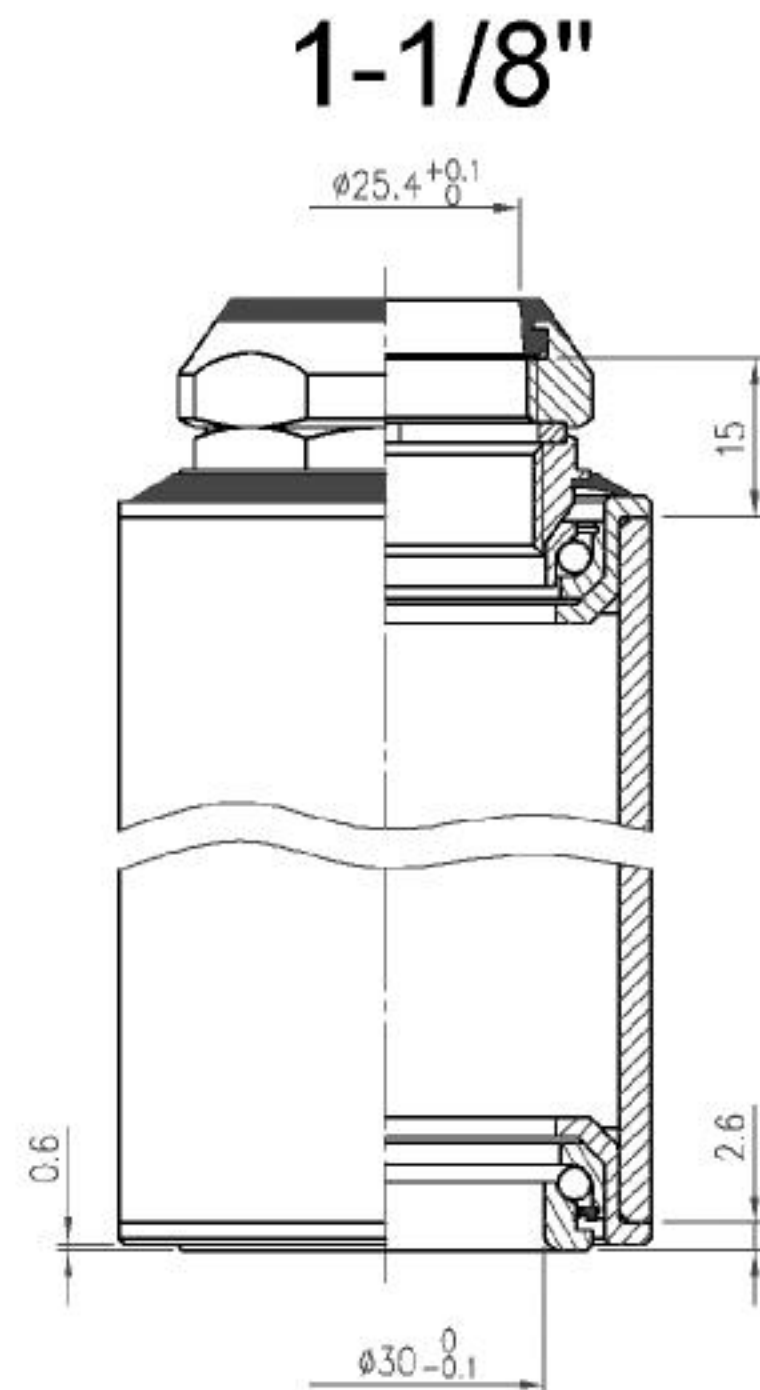
TH-807ST (1-1/8")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- For 50mm OD headtube
- 1-1/8" steerer
- Alloy Lock nut
- $\Phi 1/8$ " caged ball bearings

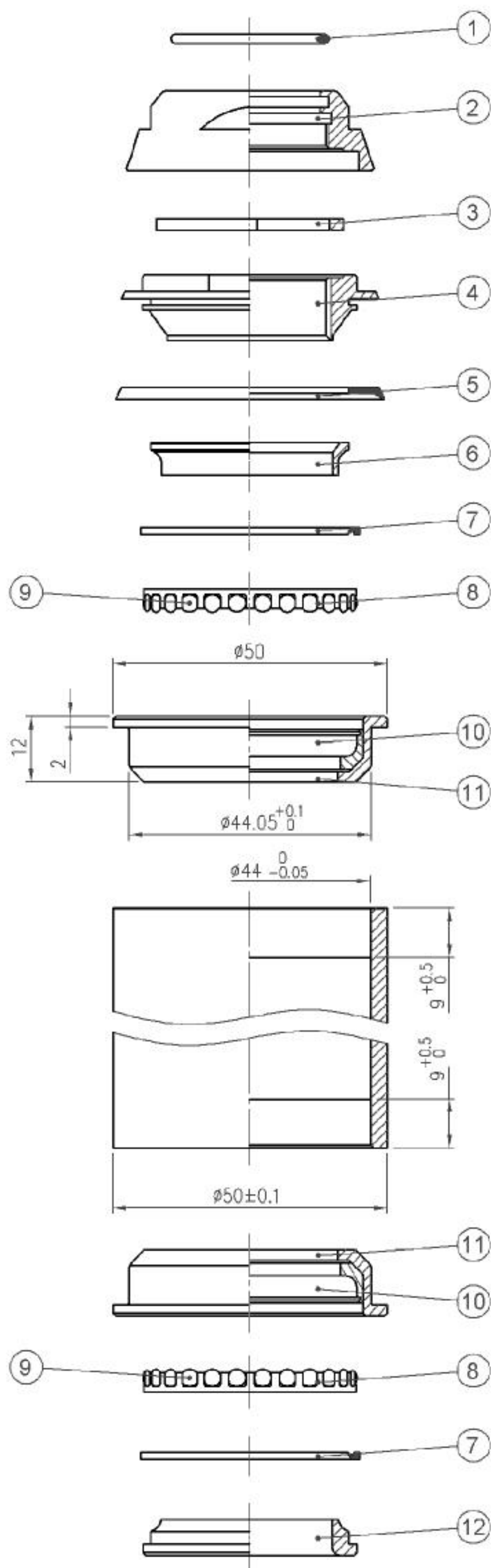


No	Item No	Material	Qty
⑫	H6010 {850-6}	Steel	1PCS
⑪	MS095 {NO.28-4~5}	Rubber	1PCS
⑩	H7023	6061 / T6	2PCS
⑨	H7029	CrMo	2PCS
⑧	MR048 { $\Phi 1/8$ "x500#}	Chrome steel	52PCS
⑦	MR056 { $\Phi 1/8$ "x26A}	Steel	2PCS
⑥	H7025	Steel	1PCS
⑤	MS067	P.P	1PCS
④	H3076	6061 / T6	1PCS
③	H2013 {860-2}	6061 / T6	1PCS
②	H1021 {860-1}	6061 / T6	1PCS
①	MS013 {Q-25.4}	Rubber	1PCS

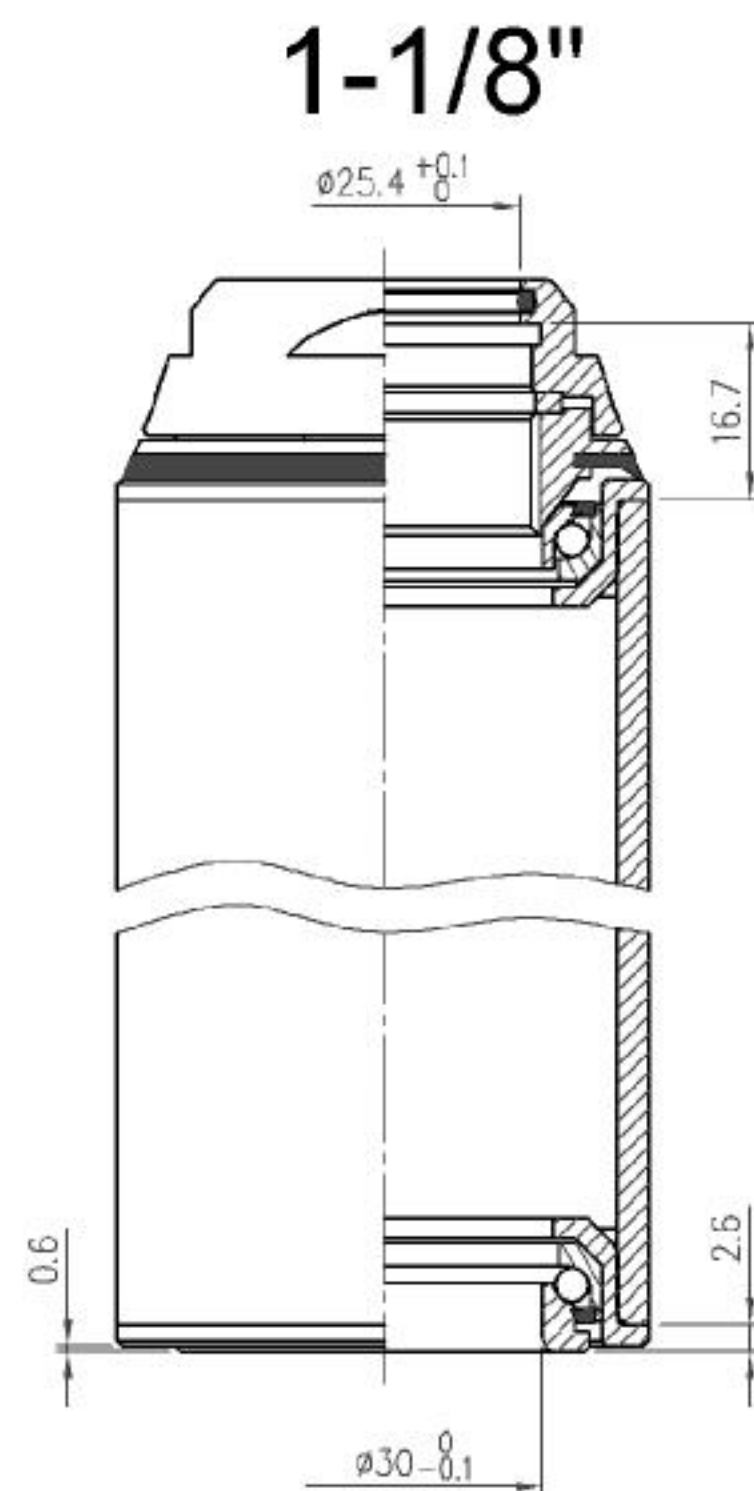
Stack Height: 15+2.6=17.6

TH-805AL (1-1/8")

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TH INDUSTRIES CO.,LTD.



- Threaded style headset
- For 50mm OD headtube
- 1-1/8" steerer
- Forged 6061 alloy cups& lock nut
- $\Phi 5/32$ " caged ball bearings



No	Item No	Material	Qty
⑫	H6010 {850-6}	Steel	1PCS
⑪	H7023	6061 / T6	2PCS
⑩	H7029	CrMo	2PCS
⑨	MR048 { $\Phi 1/8$ "x500#}	Chrome steel	52PCS
⑧	MR056 { $\Phi 1/8$ "x26A}	Steel	2PCS
⑦	MS095	Rubber	2PCS
⑥	H7025	Steel	1PCS
⑤	MS073	Rubber	1PCS
④	H3080 {806AL-3}	6061 / T6	1PCS
③	H2013 {860-2}	6061 / T6	1PCS
②	H1052 {806AL-1}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

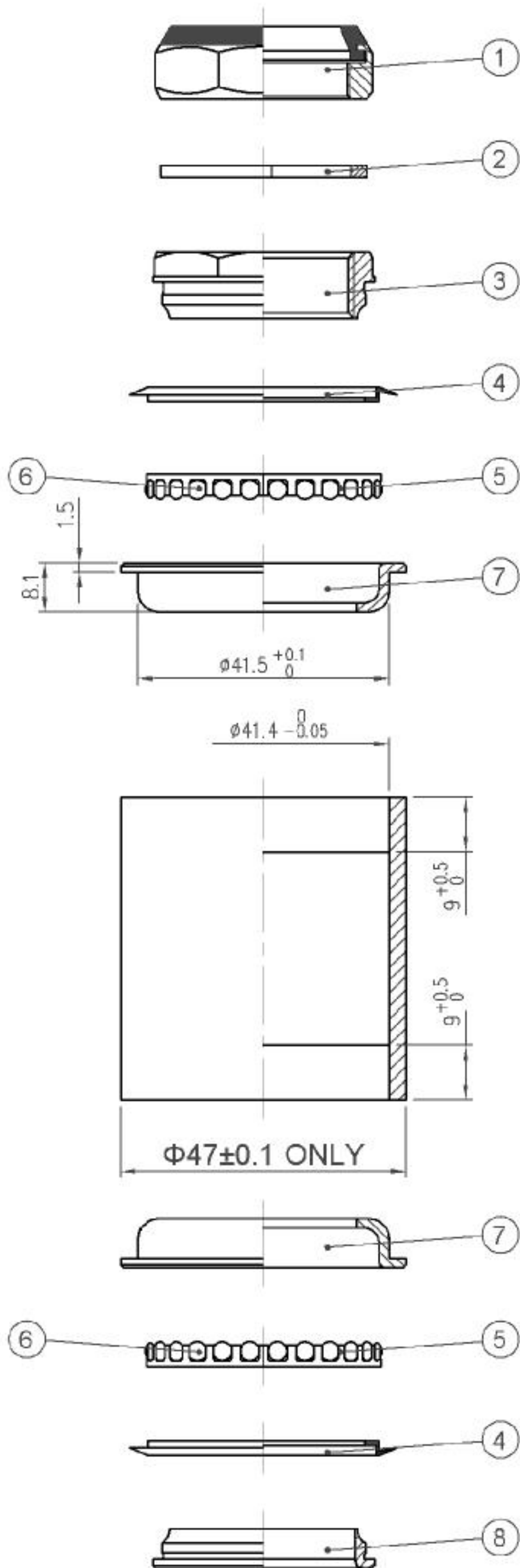
Stack Height: 16.7+2.6=19.3

TH-806AL (1-1/8")

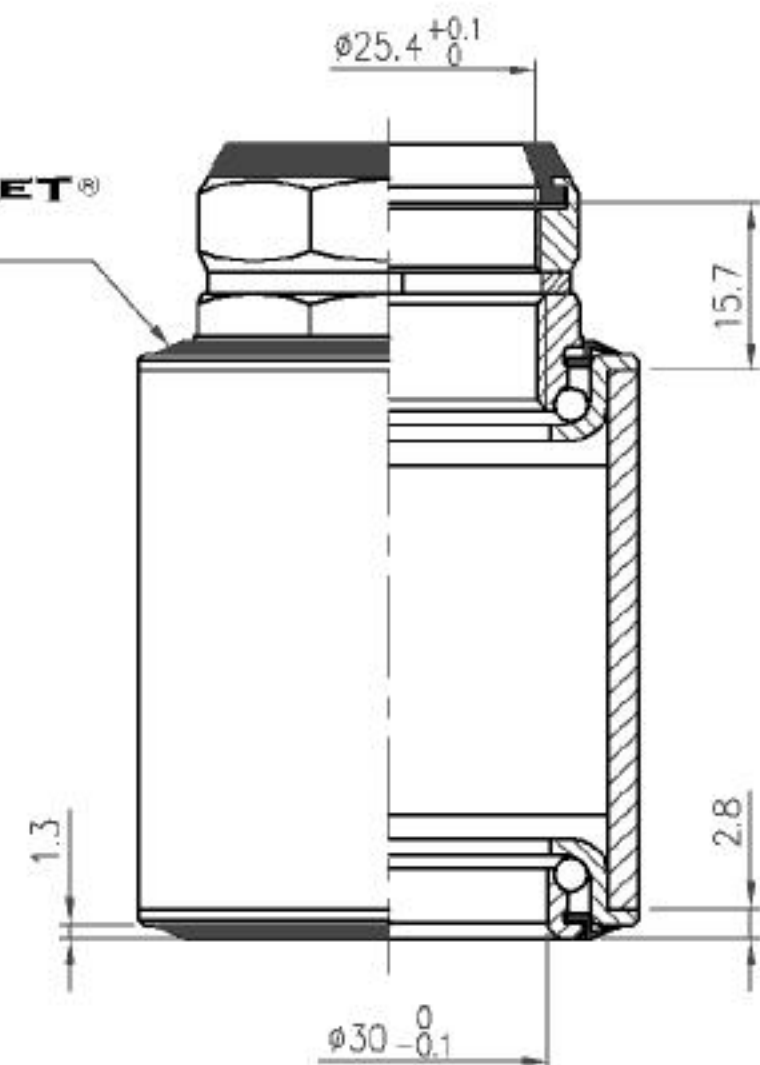
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8"

## Headtube O.D. 47mm only



**AHEADSET®**  
pat. 5095770



- Threaded style headset
- For 47mm OD headtube
- 1-1/8" steerer
- Chromoly cups
- $\Phi 1/8"$  caged ball bearings

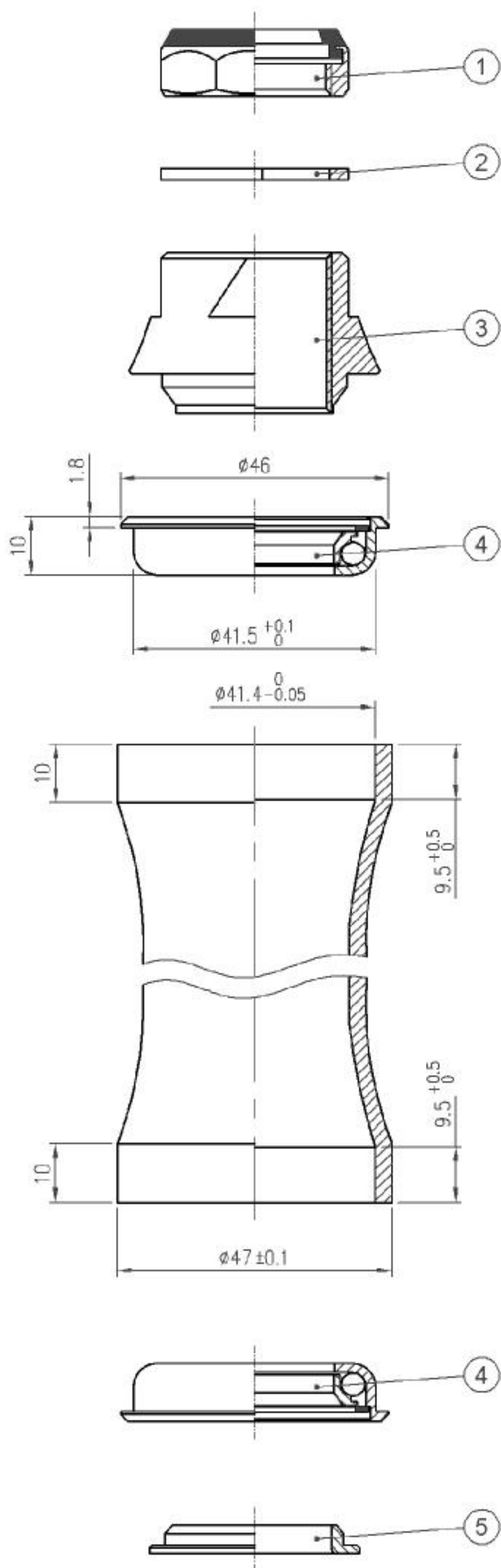
No	Item No	Material	Qty
⑧	H6037 {NO.10AY-6}	Steel	1PCS
⑦	H4061	CrMo	2PCS
⑥	MR048 { $\Phi 1/8"$ x500#}	Chrome steel	52PCS
⑤	MR056 { $\Phi 1/8"$ x26A}	Steel	2PCS
④	MS094	ABS	2PCS
③	H3059 {828-3}	Steel	1PCS
②	H2012 {850-2}	Steel	1PCS
①	H1020 {850-1}	Zinc alloy	1PCS

Stack Height: 15.2+2.8=18

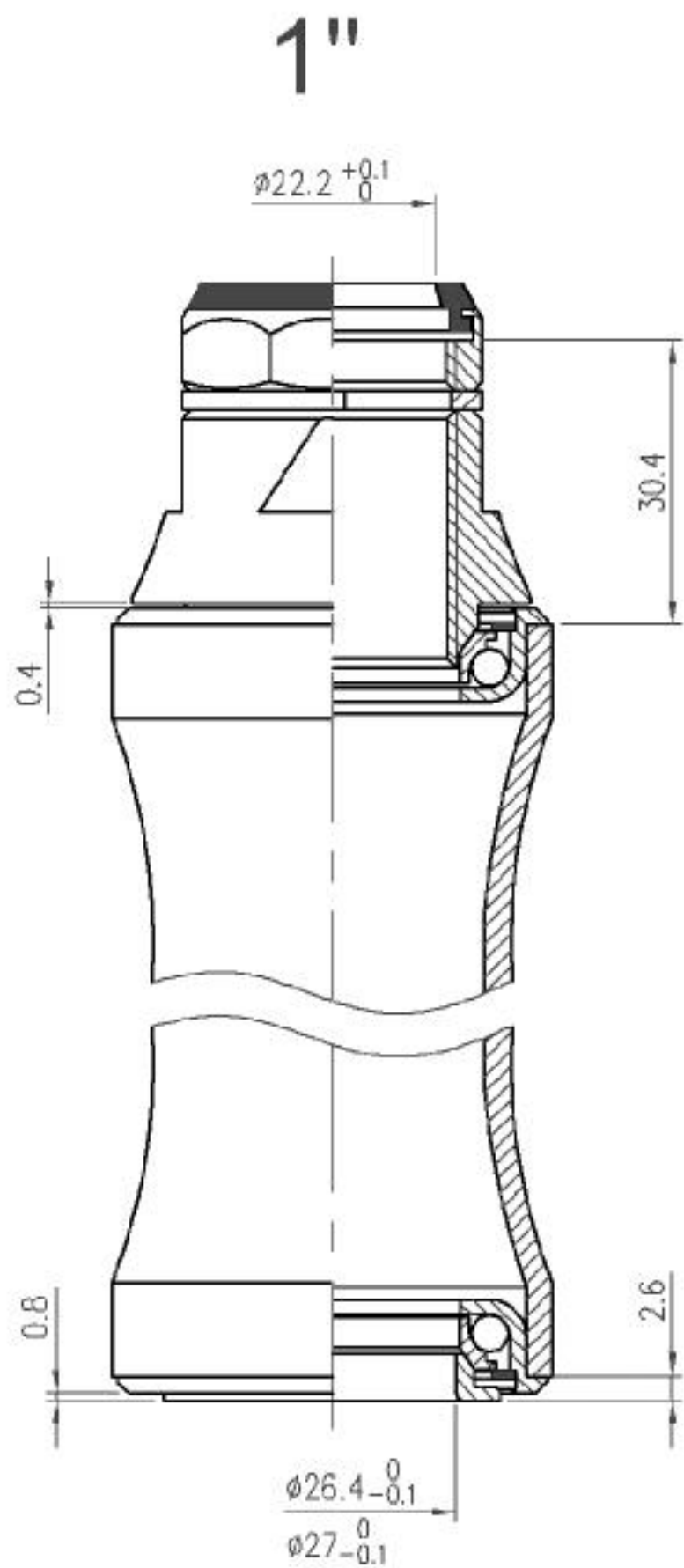
TH-828ST (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**





- Threaded style headset
- For 47mm OD headtube
- 1" steerer
- Special 21mm tall ally top cover
- Semi-Cartridge cups / bearings

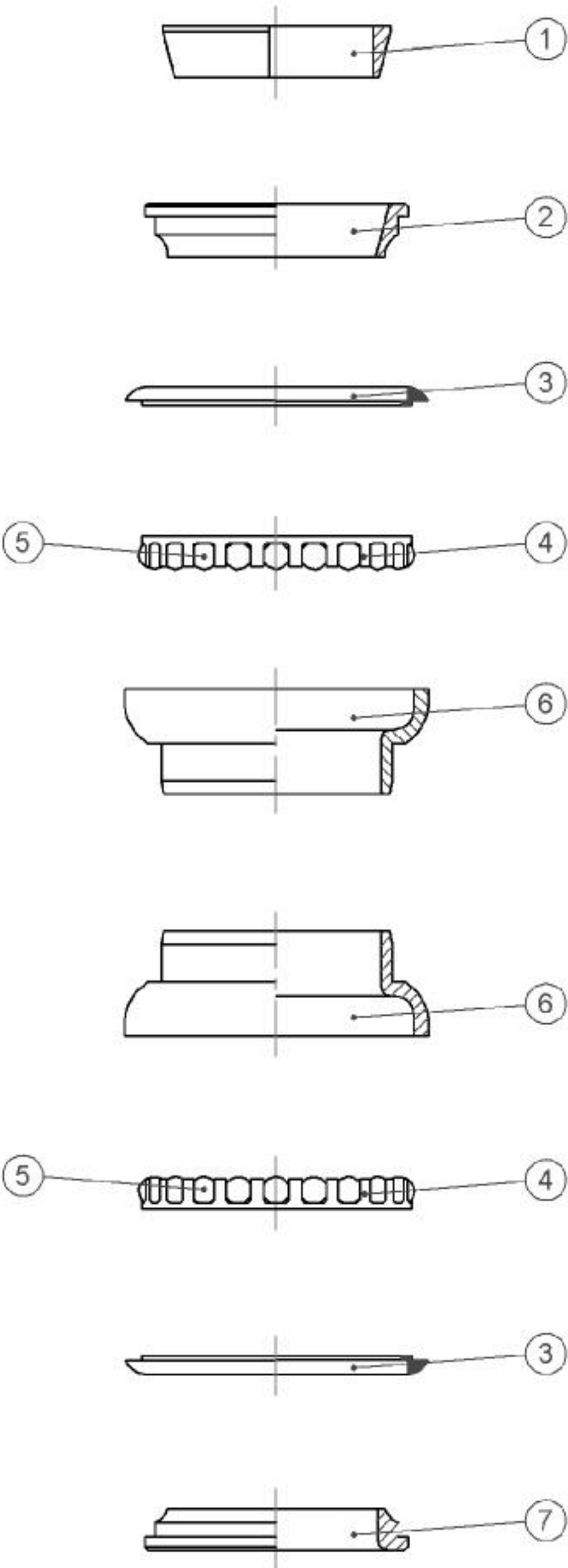


No	Item No	Material	Qty
⑤	H6002 {1151-6}	Steel	1PCS
④	MR053	Chrome steel	2PCS
③	H3081	6061 / T6	1PCS
②	H2003 {1150-2}	Steel	1PCS
①	H1004 {3050W-1}	Zinc alloy	1PCS
Stack Height:30.4+2.6=33			
NO.40AT (1")			
天心工業股份有限公司			
T H INDUSTRIES CO.,LTD.			

# Threadless Headset



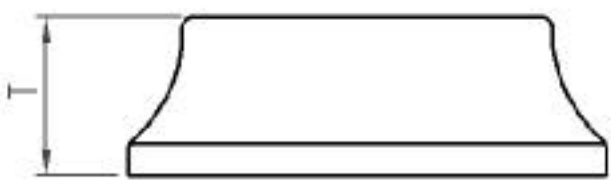
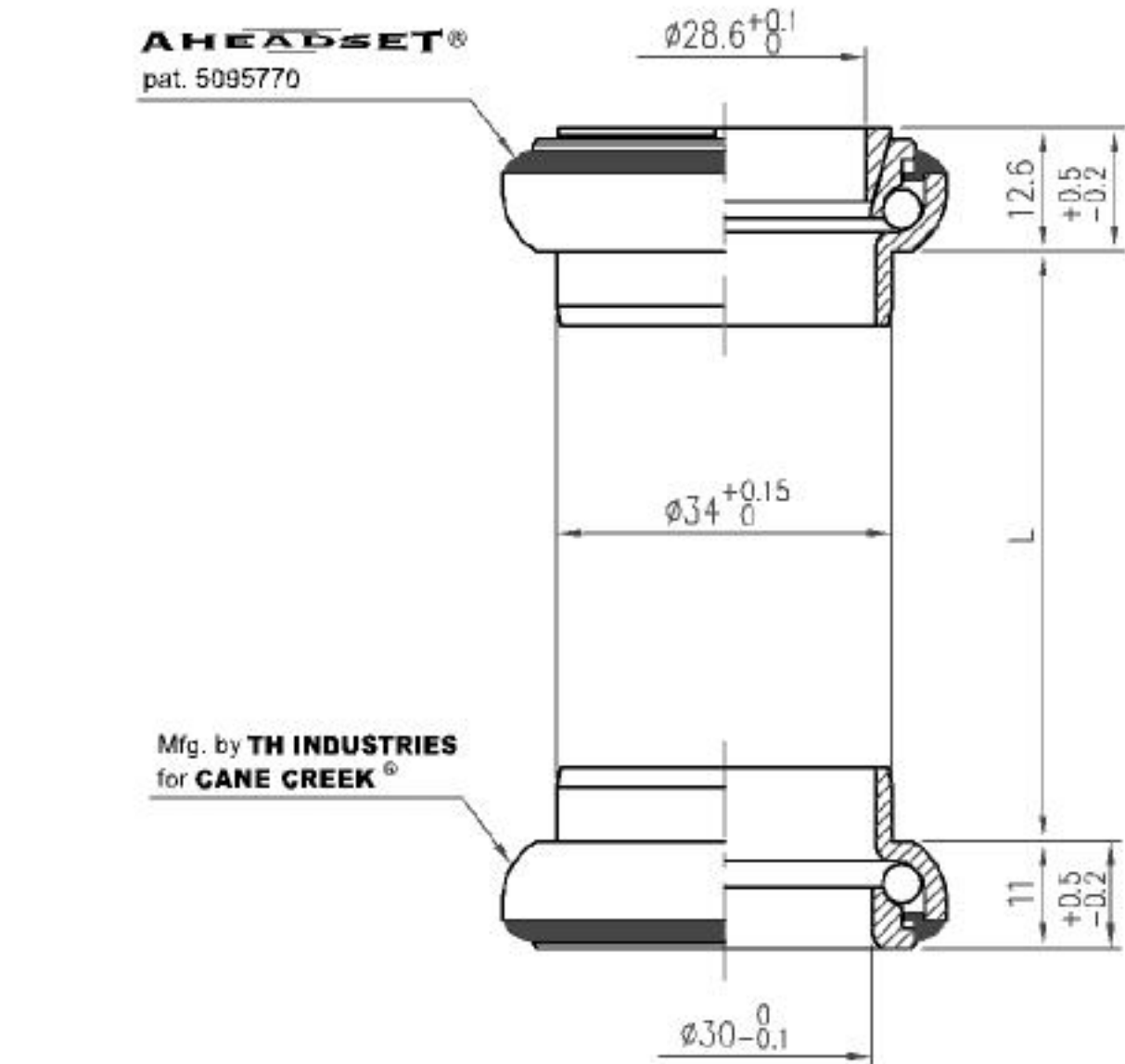
1-1/8"



- Forged Steel cups
- $\Phi 5/32"$  x 20 caged ball bearings
- Plastic top cover
- Weight - 102 grams

AHEADSET®  
pat. 5095770

Mfg. by TH INDUSTRIES  
for CANE CREEK®



Custom cone spacer	
Item No	T
H2104B	15mm



No	Item No	Material	Qty
⑦	H6010 {850-6}	Steel	1PCS
⑥	H4035 {B52-4-5}	Steel	2PCS
⑤	MR001 { $\Phi 5/32"$ x 500#}	Chrome Steel	40PCS
④	MR013 { $\Phi 5/32"$ x 20}	Steel	2PCS
③	MS005 {850-6}	Nylon	2PCS
②	H3071 {888-3}	Steel	1PCS
①	H2040 {888-2}	PVC	1PCS

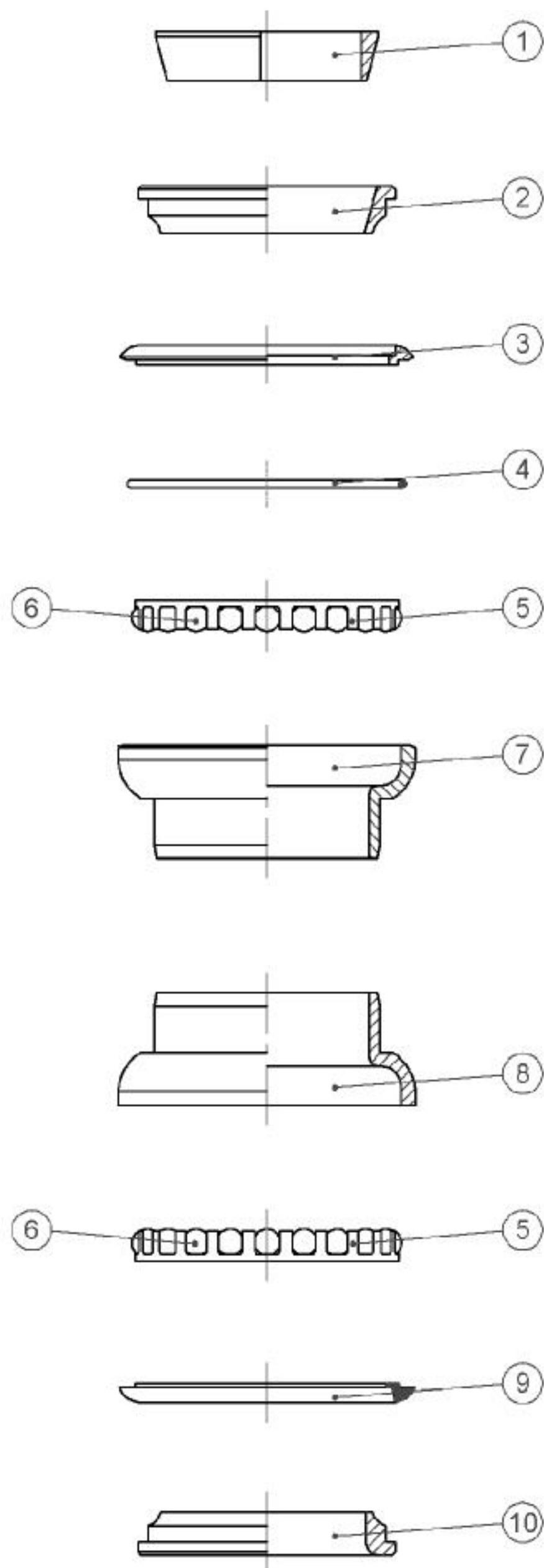
Stack Height: 12.6+11=23.6

TH-888 (1-1/8")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

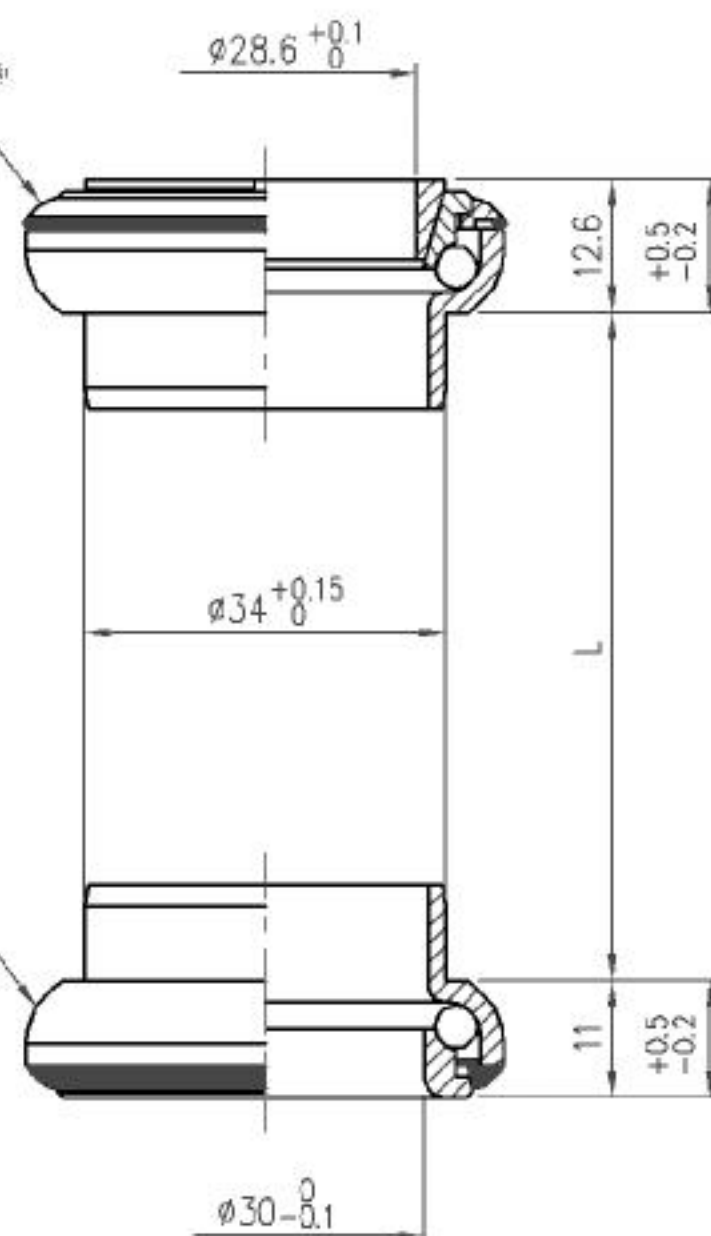


1-1/8"



**AHEADSET®**  
pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Steel

Install external O-ring seal as last step.



Custom cone spacer

Item No	T
H2104B	15mm



- Forged Steel cups
- $\Phi 5/32"$  x 20 caged ball bearings
- Steel top cover
- Weight - 102 grams

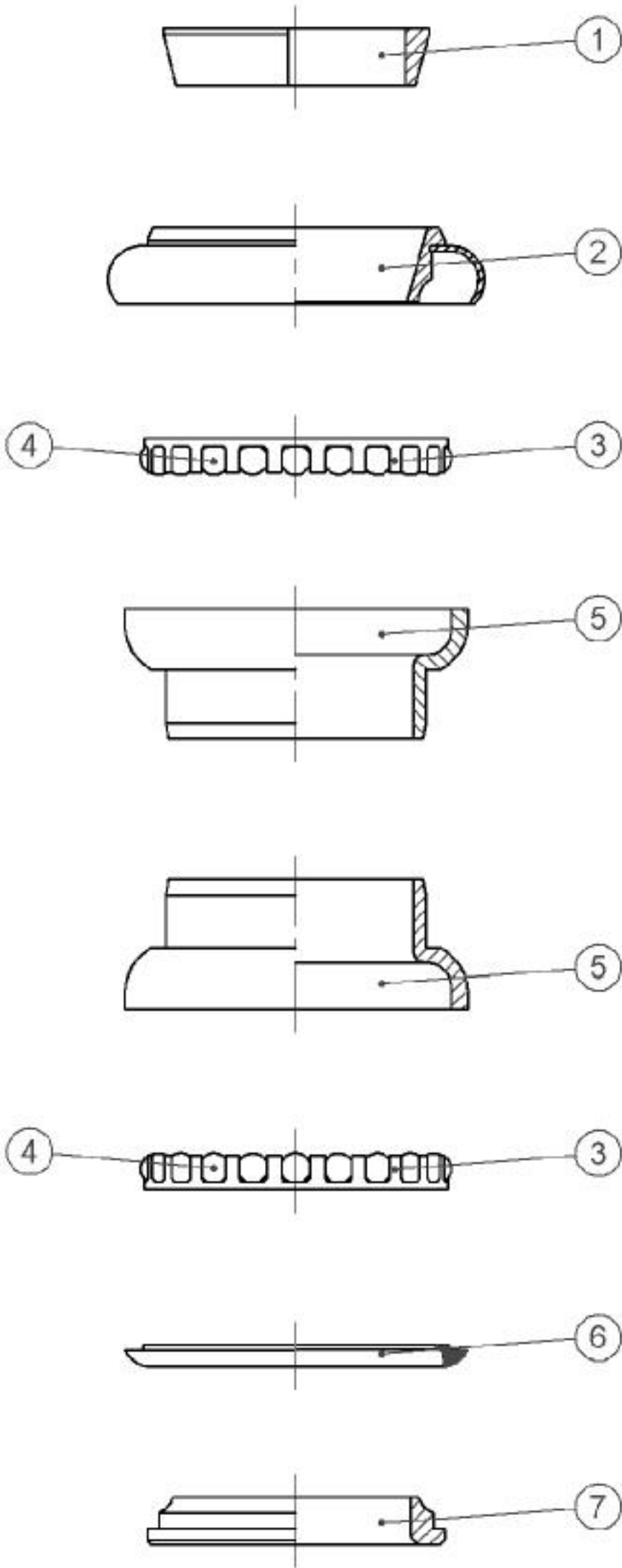
No	Item No	Material	Qty
⑩	H6010 {850-6}	Steel	1PCS
⑨	MS005 {850-6}	Nylon	1PCS
⑧	H4035 {B52-4-5}	Steel	1PCS
⑦	H4085	Steel	1PCS
⑥	MR001 { $\Phi 5/32"$ x 500#}	Chrome steel	40PCS
⑤	MR013 { $\Phi 5/32"$ x 20}	Steel	2PCS
④	MS119	Rubber	1PCS
③	MS120 {888S-6}	Steel	1PCS
②	H3071 {888-3}	Steel	1PCS
①	H2040 {888-2}	PVC	1PCS

Stack Height: 12.6+11=23.6

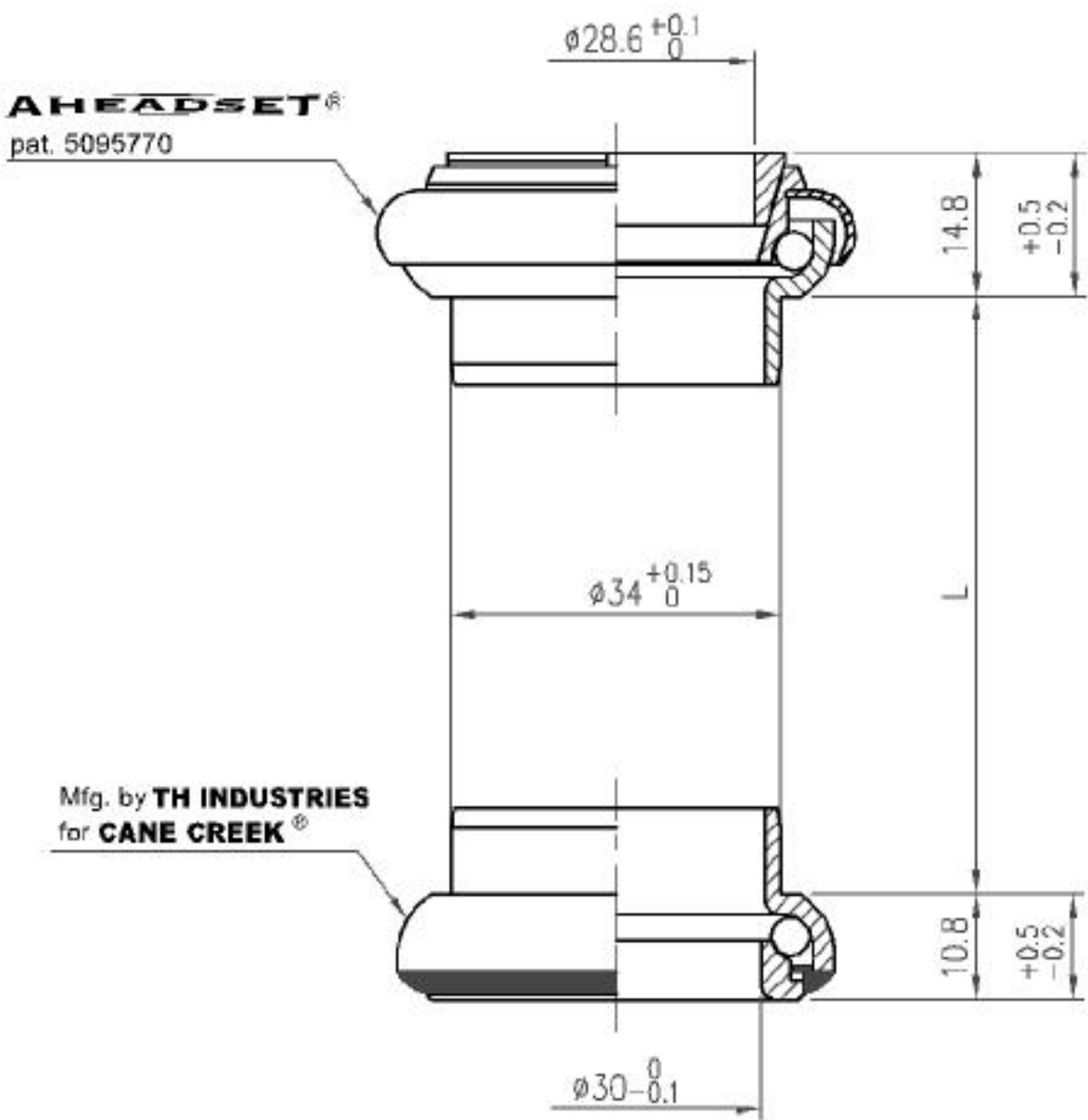
TH-888S (1-1/8")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"



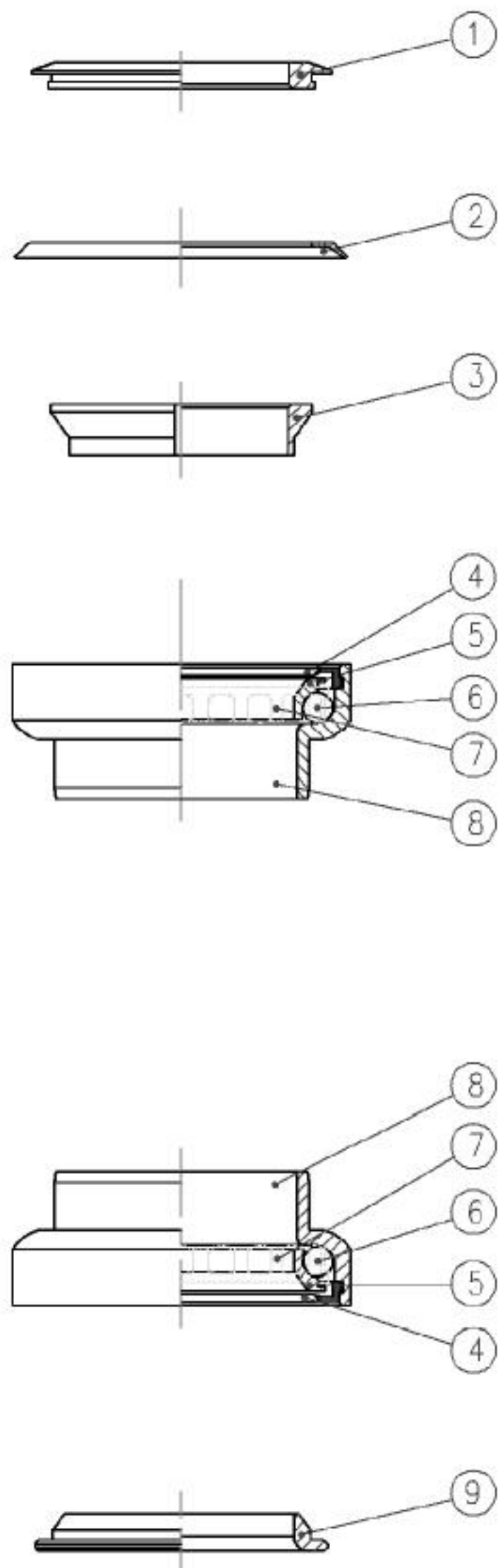
- Forged Steel cups
- $\Phi 5/32"$  x 20 caged ball bearings
- Steel top cover
- Black ED finish
- Weight - 125 grams



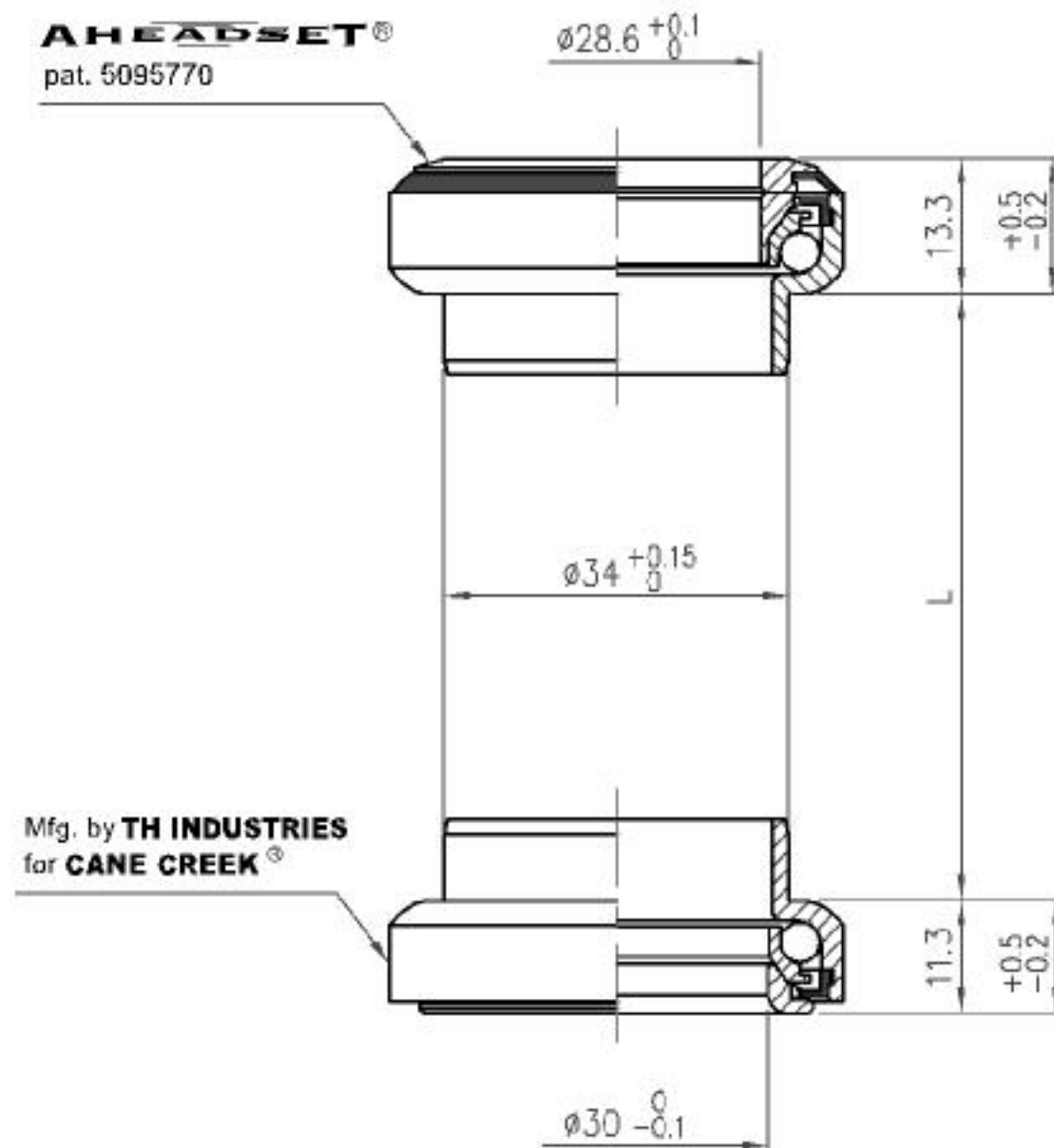
No	Item No	Material	Qty
⑦	H6010 {850-6}	Steel	1PCS
⑥	MS005 {850-6}	ABS	1PCS
⑤	H4035 {B52-4-5}	Steel	2PCS
④	MR001 { $\Phi 5/32"$ x 500#}	Chrome steel	40PCS
③	MR013 { $\Phi 5/32"$ x 20}	Steel	2PCS
②	H3034 {855-3}	Steel	1PCS
①	H2016 {855-2}	6061/T6 & PVC	1PCS
Stack Height: 14.8+10.8=25.6			
TH-855 (1-1/8")			
天心工業股份有限公司			
TH INDUSTRIES CO.,LTD.			

# 1-1/8"

## Semi-cartridge



- New steel top cover
- Forged Steel cups
- Semi cartridge design  $\Phi 5/32"$  x 20 caged ball bearings
- Black ED finish
- Weight - 140 grams



No	Item No	Material	Qty
⑨	H6018 {B53-6}	Steel	1PCS
⑧	H4036 {B53-4}	Steel	2PCS
⑦	MR001 { $\Phi 5/32"$ x 500#}	Chrome steel	40PCS
⑥	MR013 { $\Phi 5/32"$ x 20}	Steel	2PCS
⑤	H7017 {B-53}	CrMo	2PCS
④	MS065 {B-53}	Rubber	2PCS
③	H2036 {NO.5-2}	PVC	1PCS
②	MS060 {890-6}	Nylon	1PCS
①	H2117 {848-2}	6061 / T6	1PCS

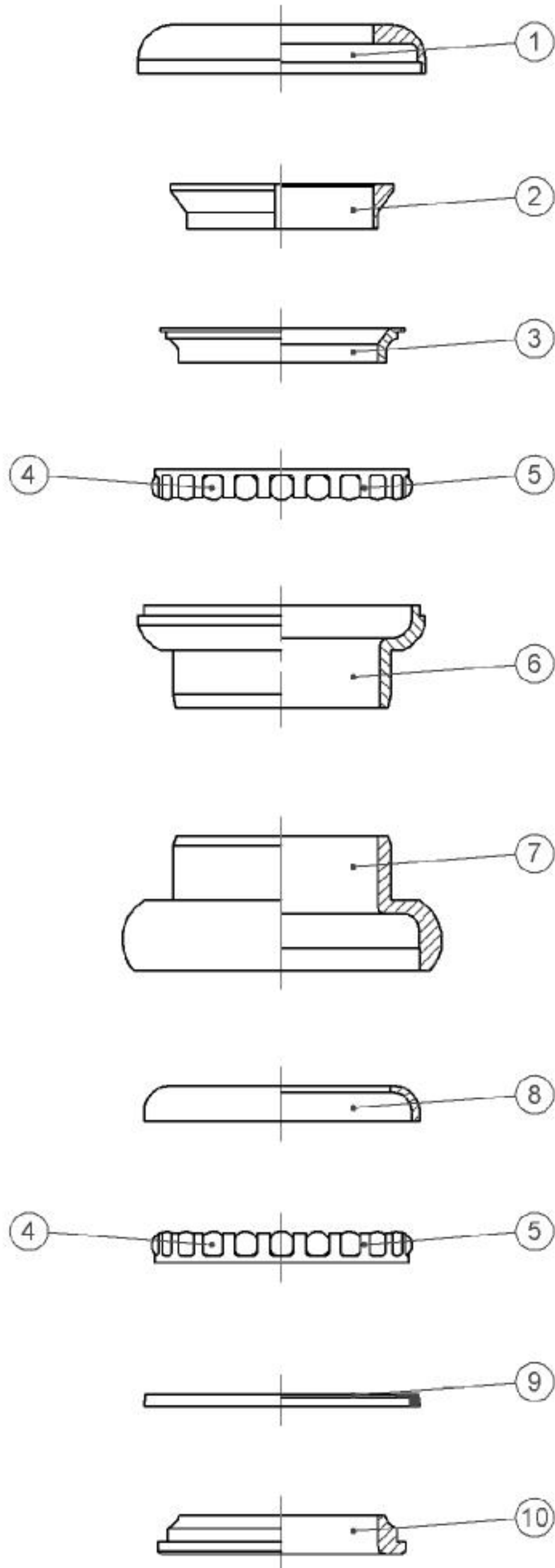
Stack Height: 13.3+11.3=24.6

TH-848 (1-1/8")

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TH INDUSTRIES CO.,LTD.



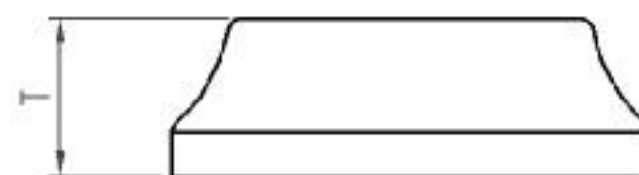
1-1/8"



- 6061/T6 Forged and CNC machined cups
- $\Phi 5/32"$  x 20 caged ball bearings
- Alloy top cover
- Weight - 100 grams

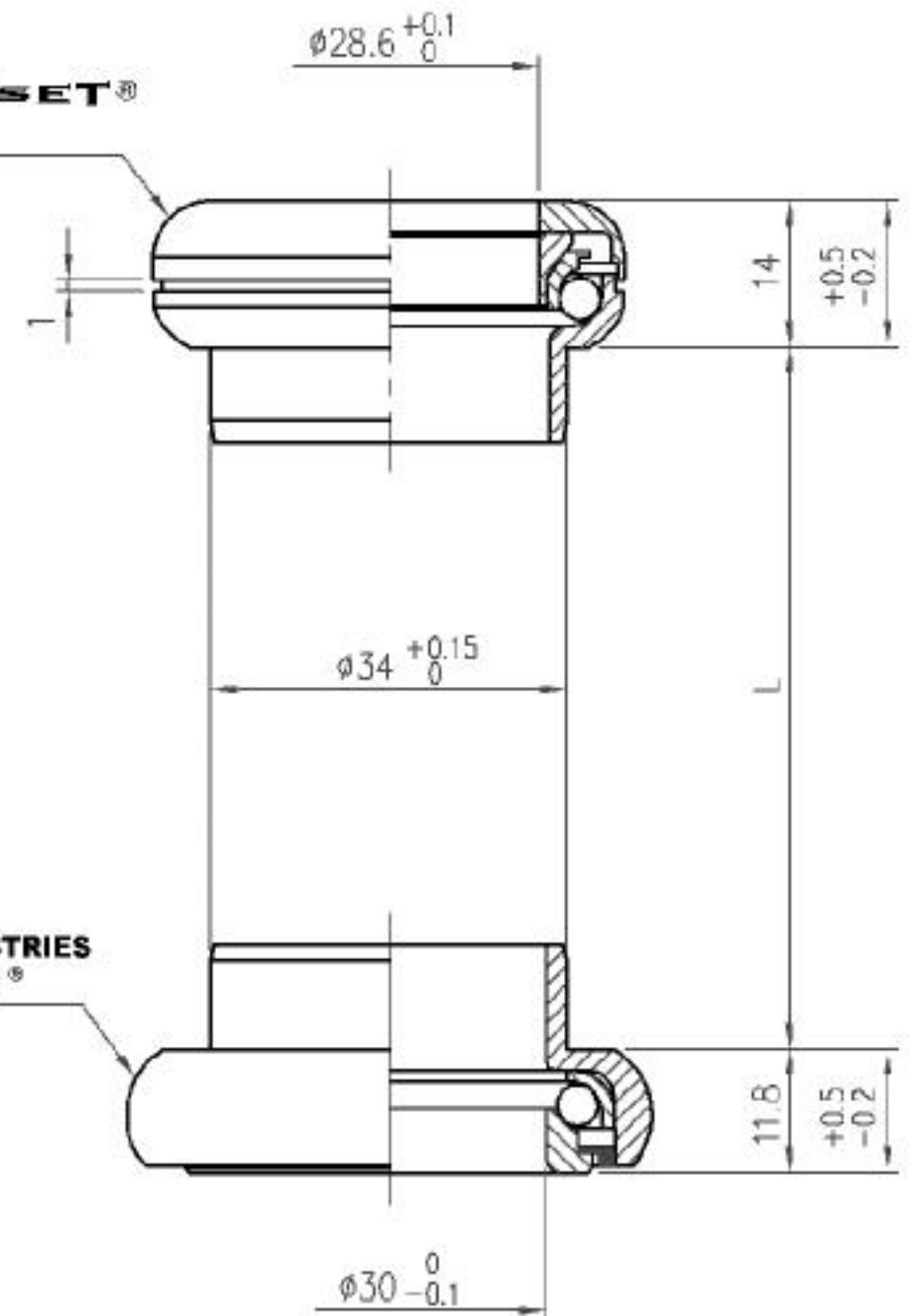
**AHEADSET®**  
pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Custom cone spacer

Item No	T
H2061B	15mm



No	Item No	Material	Qty
⑩	H6010 {850-6}	Steel	1PCS
⑨	MS020 {865-4-6}	Rubber	1PCS
⑧	H7012 {860-5}	Steel	1PCS
⑦	H5022 {865-5}	6061 / T6	1PCS
⑥	H4058 {857-4}	Steel	1PCS
⑤	MR013 { $\Phi 5/32"$ x 20}	Steel	2PCS
④	MR001 { $\Phi 5/32"$ x 500#}	Chrome steel	40PCS
③	H7017 {B53}	Steel	1PCS
②	H2036 {NO.5-2}	PVC	1PCS
①	H2061	6061 / T6	1PCS

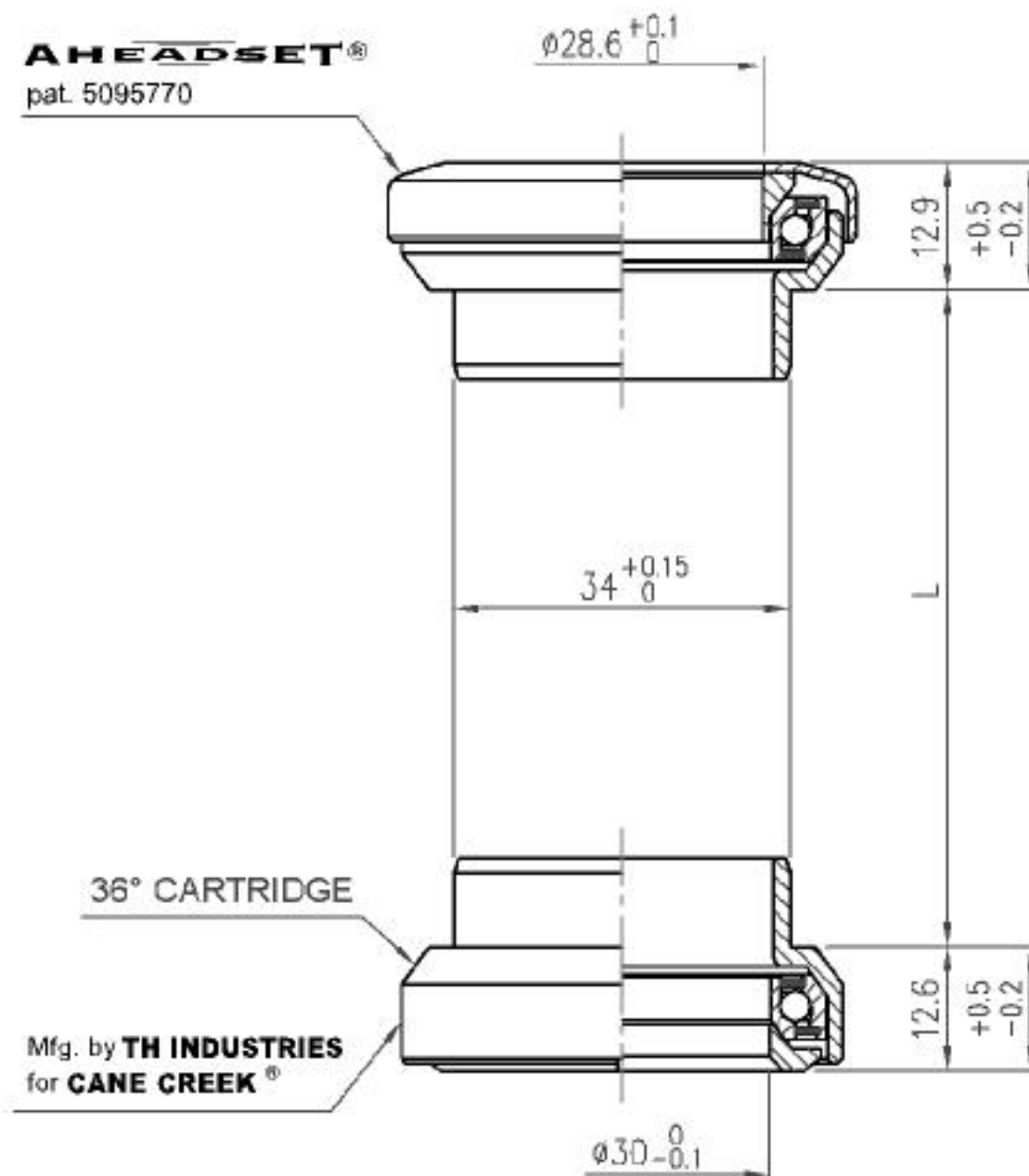
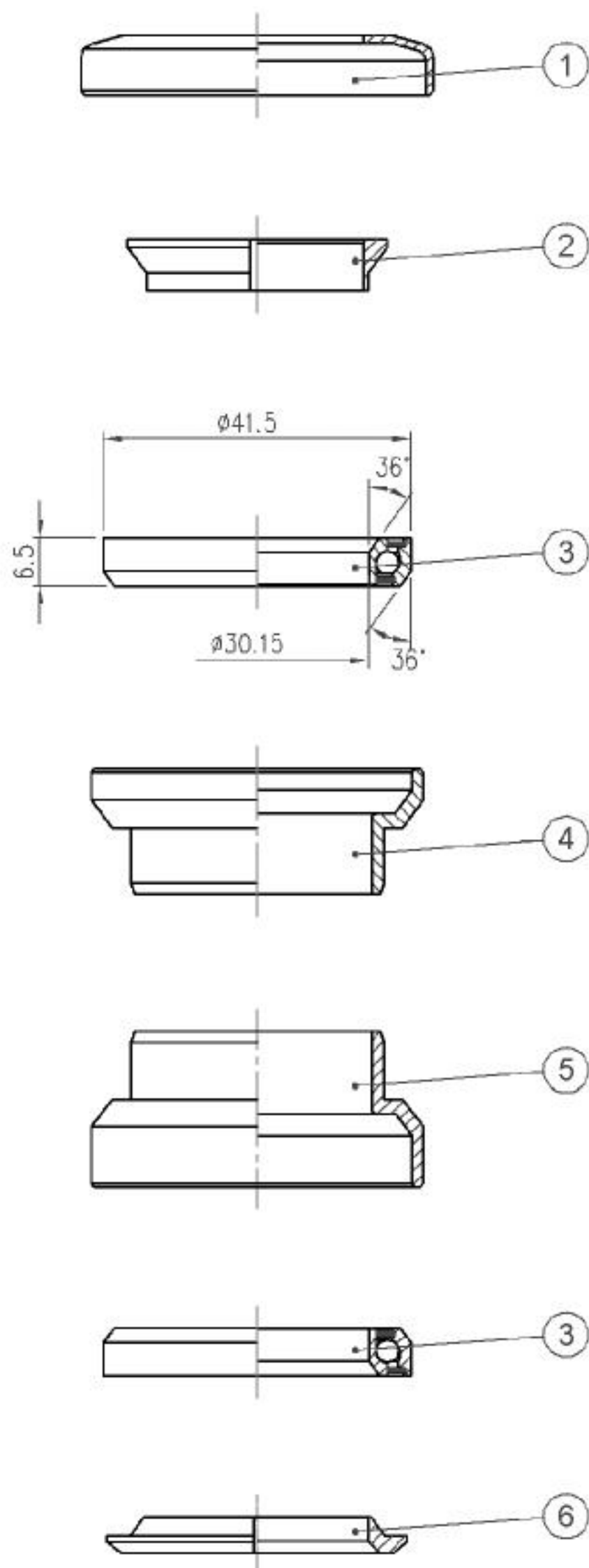
Stack Height: 14+11.8=25.8

TH-857 (1-1/8")

天心工業股份有限公司  
**TH INDUSTRIES CO.,LTD.**

1-1/8"

36°/36° ACB



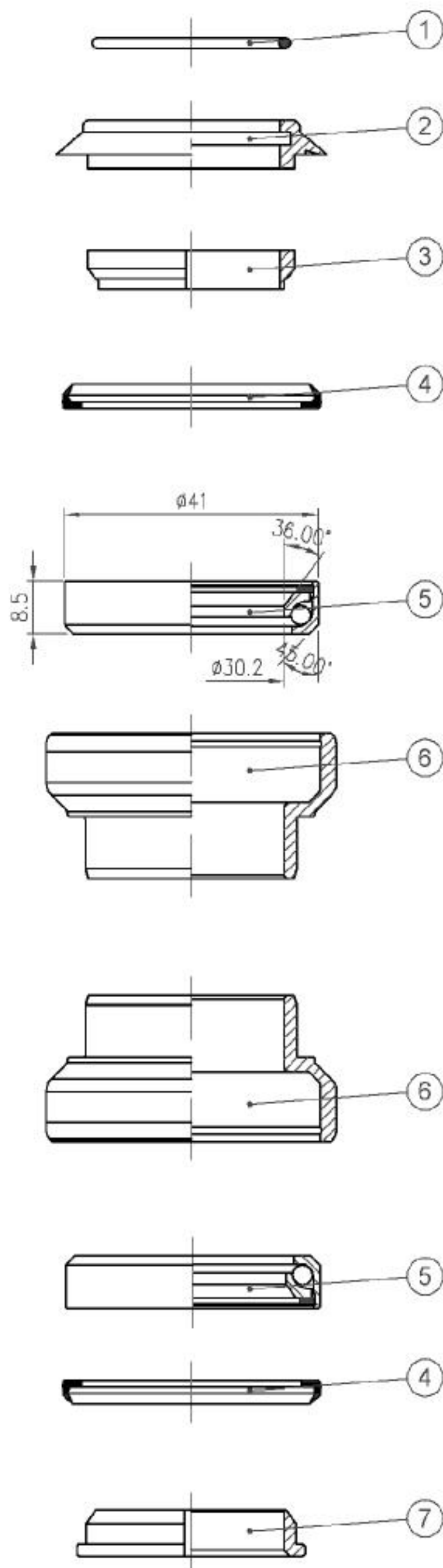
- Forged 1.2mm thin steel cups
- TH brand micro angular contact bearings (red seal)
- Black or Satin silver finish
- Weight - 138 grams

No	Item No	Material	Qty
⑥	H6028 {S2-1-1/8"-6}	Steel	1PCS
⑤	H5024 {NO.18-5}	Steel	1PCS
④	H4021 {NO.18-4}	Steel	1PCS
③	MR049 {872-2RS}	Chrome Steel	2PCS
②	H2036 {NO.5-2}	PVC	1PCS
①	H2031 {NO.18-2}	Steel	1PCS

Stack Height: 12.9+12.6=25.5

NO.18 (1-1/8")

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TH INDUSTRIES CO.,LTD.

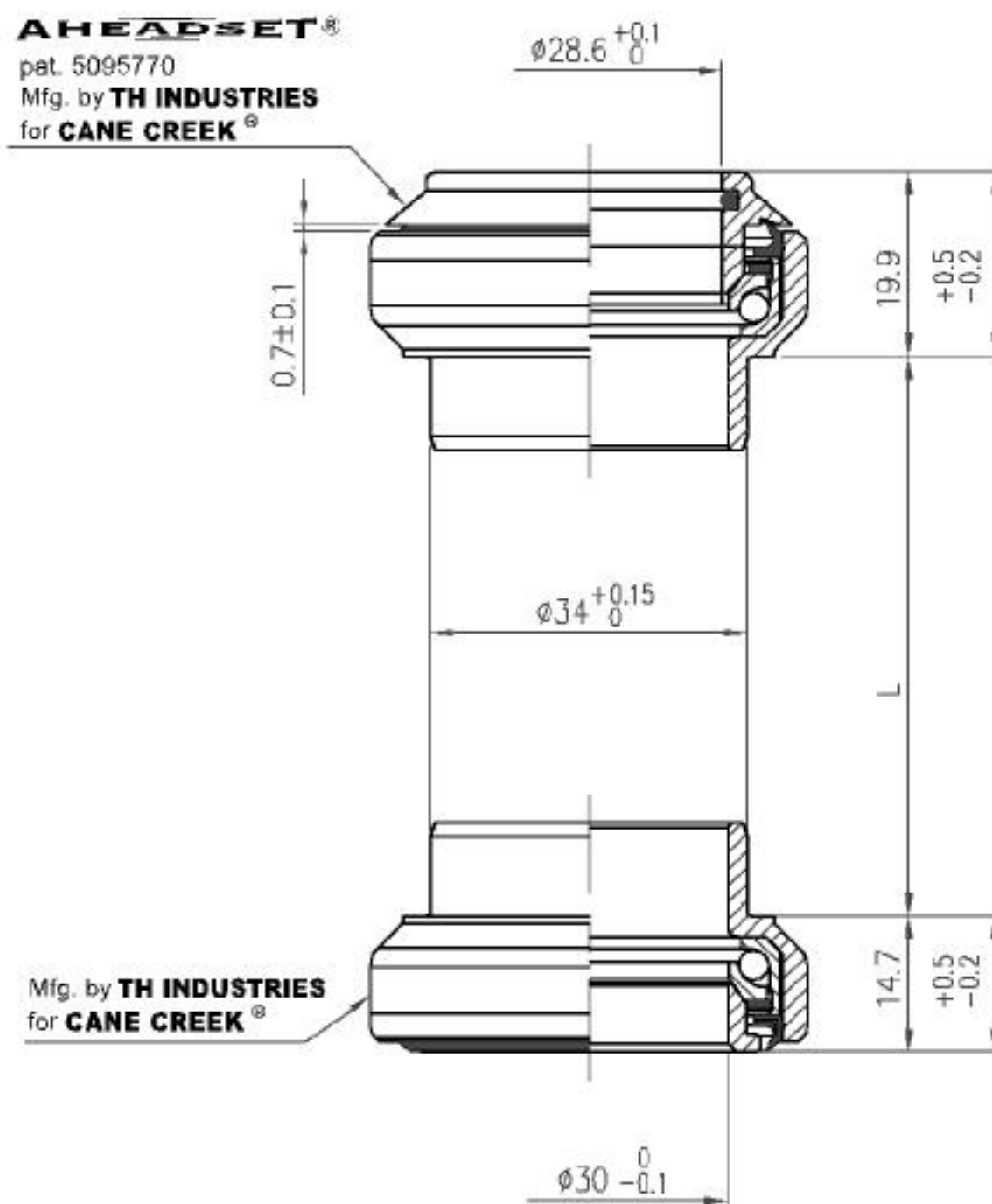


- Forged and CNC machined 6061/T6 aluminum cups
- TH Brand Economical Angular Contact Bearings
- Chromoly crown race
- Weight - 130 grams(1-1/8")

# 1-1/8"

## 36° / 45° Economic ACB

**AHEADSET®**  
pat. 5095770  
Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



No	Item No	Material	Qty
⑦	H6048 {NO.20XE-6}	7075 / T6	1PCS
⑥	H4093 {NO.20XE-4-5}	6061 / T6	2PCS
⑤	MR080	Chrome steel	2PCS
④	MS090 {ORBIT-X}	Rubber	2PCS
③	H2118	6061 / T6	1PCS
②	H2069	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 19.9+14.7=34.6

NO.20EX (1-1/8")

**天心工業股份有限公司**  
**TH INDUSTRIES CO.,LTD.**



1-1/8"



- Φ3/16"



Mfg. by **TH INDUSTRIES**  
for **CANE CREEK**®



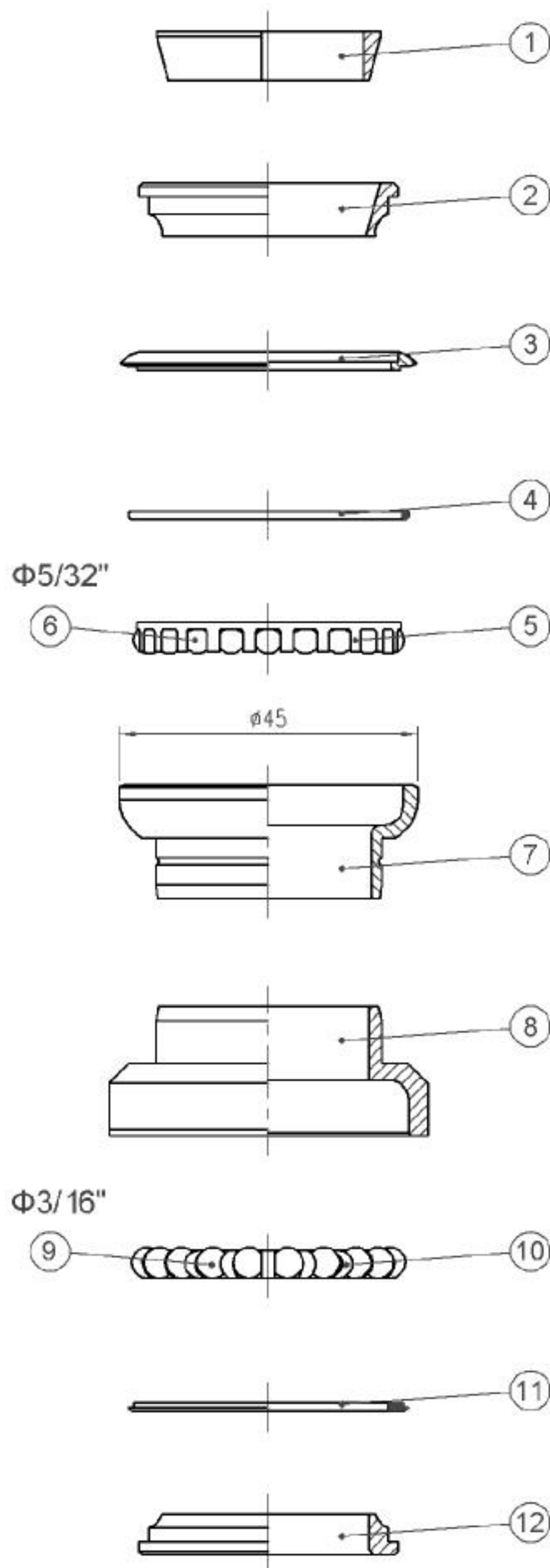
No	Item No	Material	Qty
⑪	H6010 {850-6}	Steel	1PCS
⑩	MS018 {800-4~6}	Rubber	1PCS
⑨	MR051 {Φ3/16x20B}	Steel	1PCS
⑧	MR002 {Φ3/16"x500#}	Chrome steel	20PCS
⑦	H5043 {SBJ-5}	CrMo	1PCS
⑥	H4035 {B52-4-5}	Steel	1PCS
⑤	MR001 {Φ5/32"x500#}	Chrome steel	20PCS
④	MR013 {Φ5/32"x20}	Steel	1PCS
③	MS005 {850-6}	ABS	1PCS
②	H3071 {888-3}	Steel	1PCS
①	H2040 {888-2}	Nylon	1PCS

TH-877 (1-1/8") Hammer

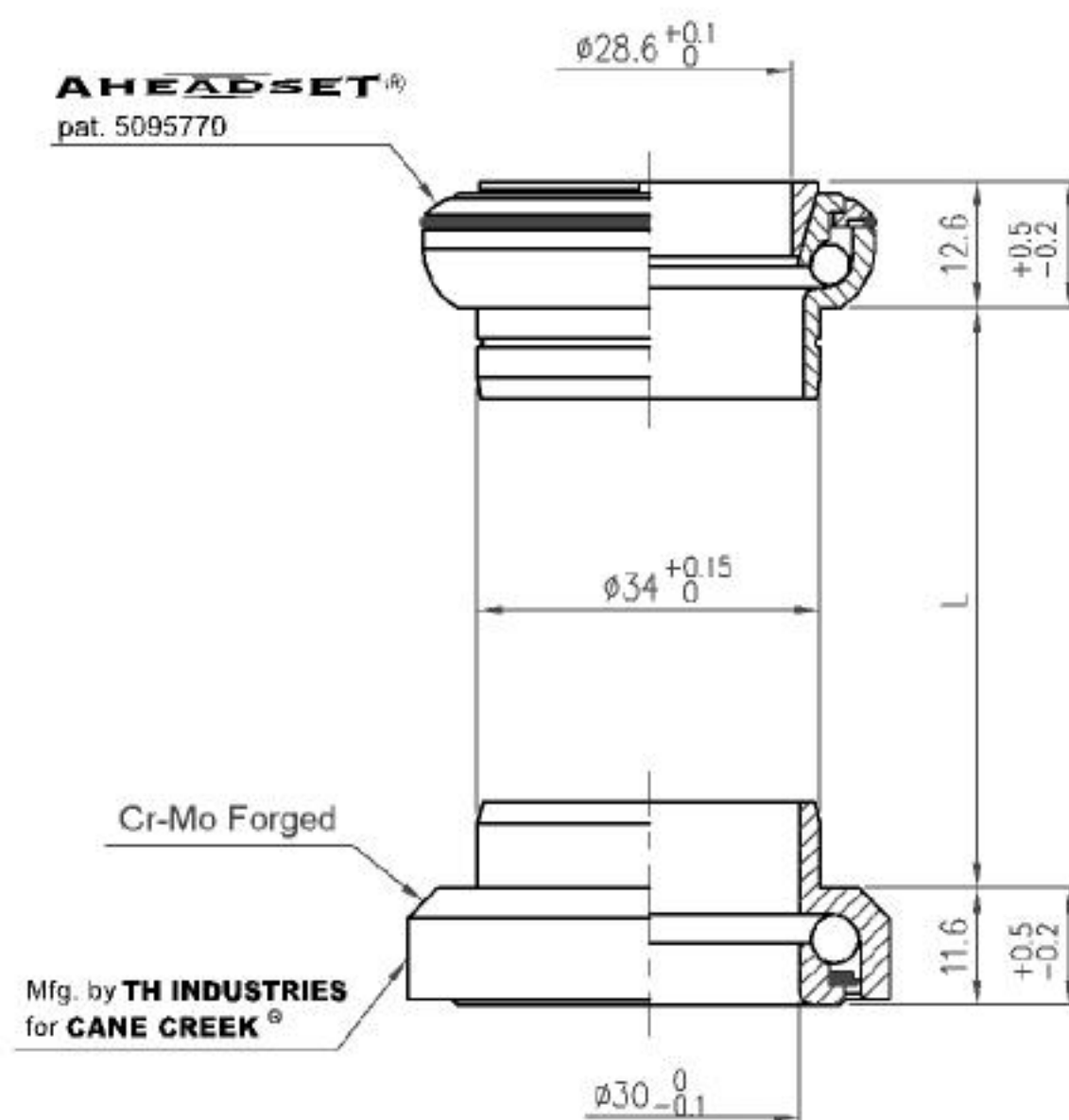
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TH INDUSTRIES CO.,LTD.

1-1/8"

For BMX / Freeride



- Forged Chromoly lower cup
- 12mm "Deep Cup" design
- Lower bearings -Oversized  $\Phi 3/16"$  x 20B
- Upper bearings  $\Phi 5/32"$  x 20
- Steel top cover
- Weight - 130grams



No	Item No	Material	Qty
⑫	H6010 {850-6}	Steel	1PCS
⑪	MS018 {800-4~6}	Rubber	1PCS
⑩	MR051 { $\Phi 3/16$ x20B}	Steel	1PCS
⑨	MR002 { $\Phi 3/16$ "x500#}	Chrome steel	20PCS
⑧	H5043 {SBJ-5}	CrMo	1PCS
⑦	H4085 {888S-4}	Steel	1PCS
⑥	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	20PCS
⑤	MR013 { $\Phi 5/32$ "x20}	Steel	1PCS
④	MS119 {888S}	Rubber	1PCS
③	MS120 {888S}	Steel	1PCS
②	H3071 {888-3}	Steel	1PCS
①	H2040 {888-2}	Nylon	1PCS

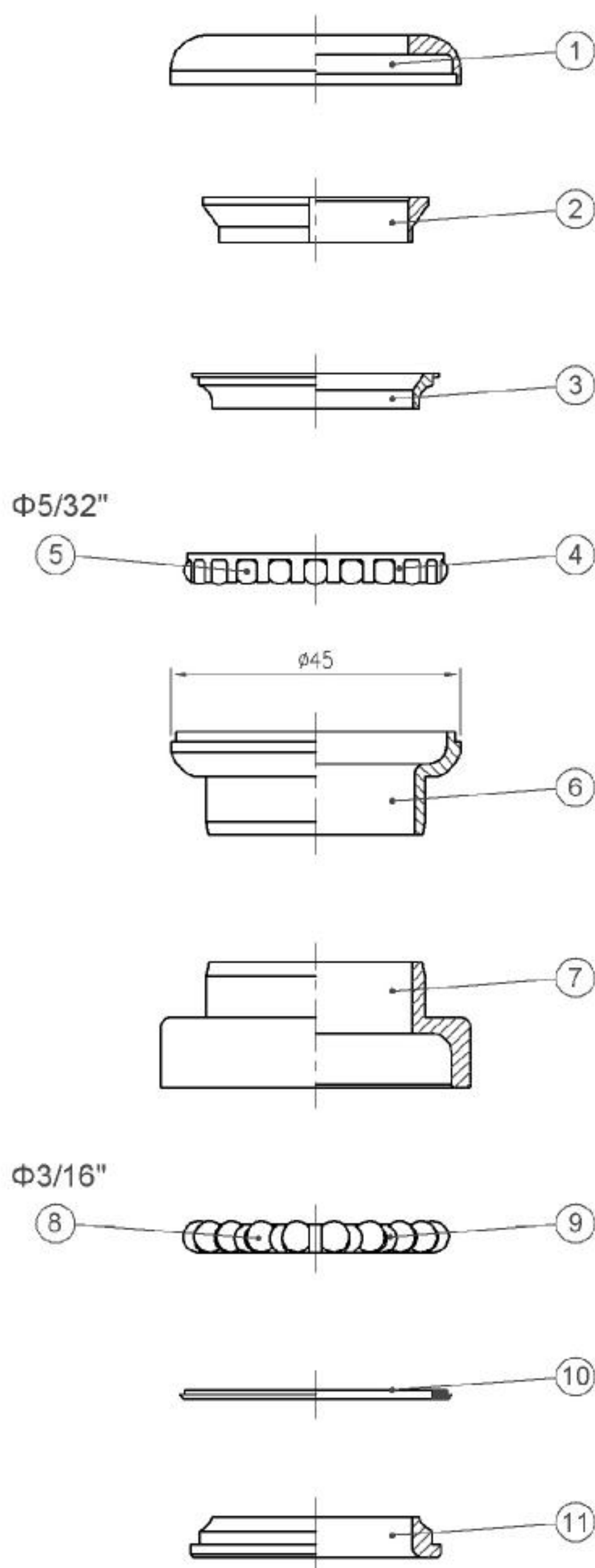
Stack Height: 12.6+11.6=24.2

TH-877S (1-1/8") Chisel

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"

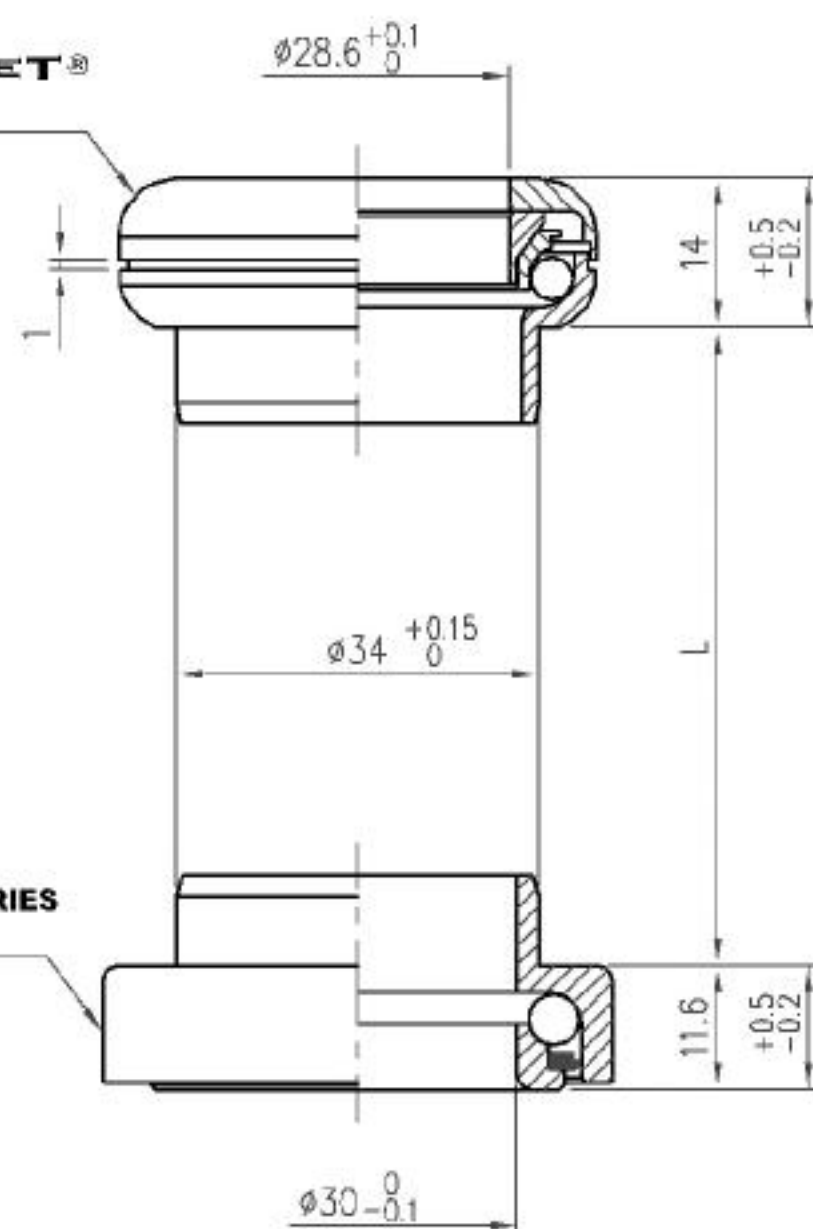
For BMX / Freeride



- Forged chromoly lower cup
- 12 mm "Deep Cup" design
- Lower bearings- Oversized  $\Phi 3/16"$  x 20B
- Upper bearings-  $\Phi 5/32"$  x 20
- Aluminum top cover
- Weight - 130 grams

**AHEADSET®**  
pat. 5095770

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



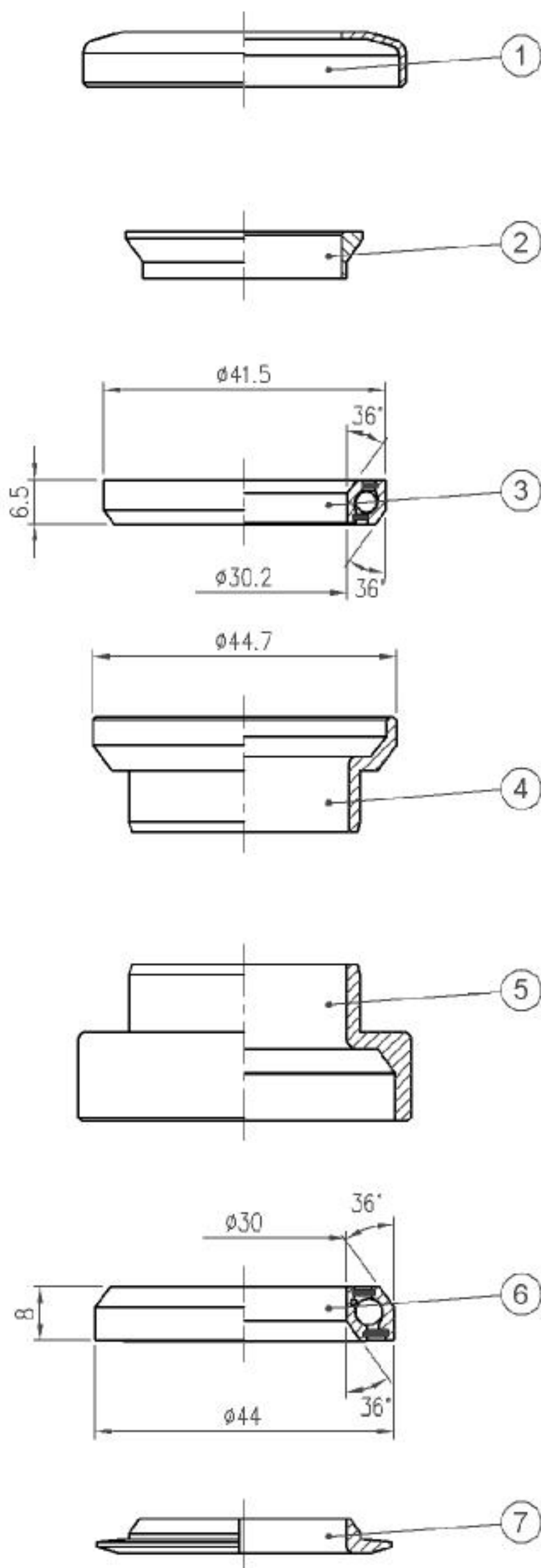
No	Item No	Material	Qty
⑪	H6010 {850-6}	Steel	1PCS
⑩	MS018 {800-4-6}	Rubber	1PCS
⑨	MR051 { $\Phi 3/16$ x20B}	Steel	1PCS
⑧	MR002 { $\Phi 3/16$ "x500#}	Chrome steel	20PCS
⑦	H5043 {SBJ-5}	CrMo	1PCS
⑥	H4058 {857-4}	Steel	1PCS
⑤	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	20PCS
④	MR013 { $\Phi 5/32$ "x20}	Steel	1PCS
③	H7017 {B-53}	CrMo	1PCS
②	H2036 {NO.5-2}	PVC	1PCS
①	H2061 {NO.15-2}	6061 / T6	1PCS

Stack Height: 14+11.6=25.6

TH-872 (1-1/8") Mallet

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

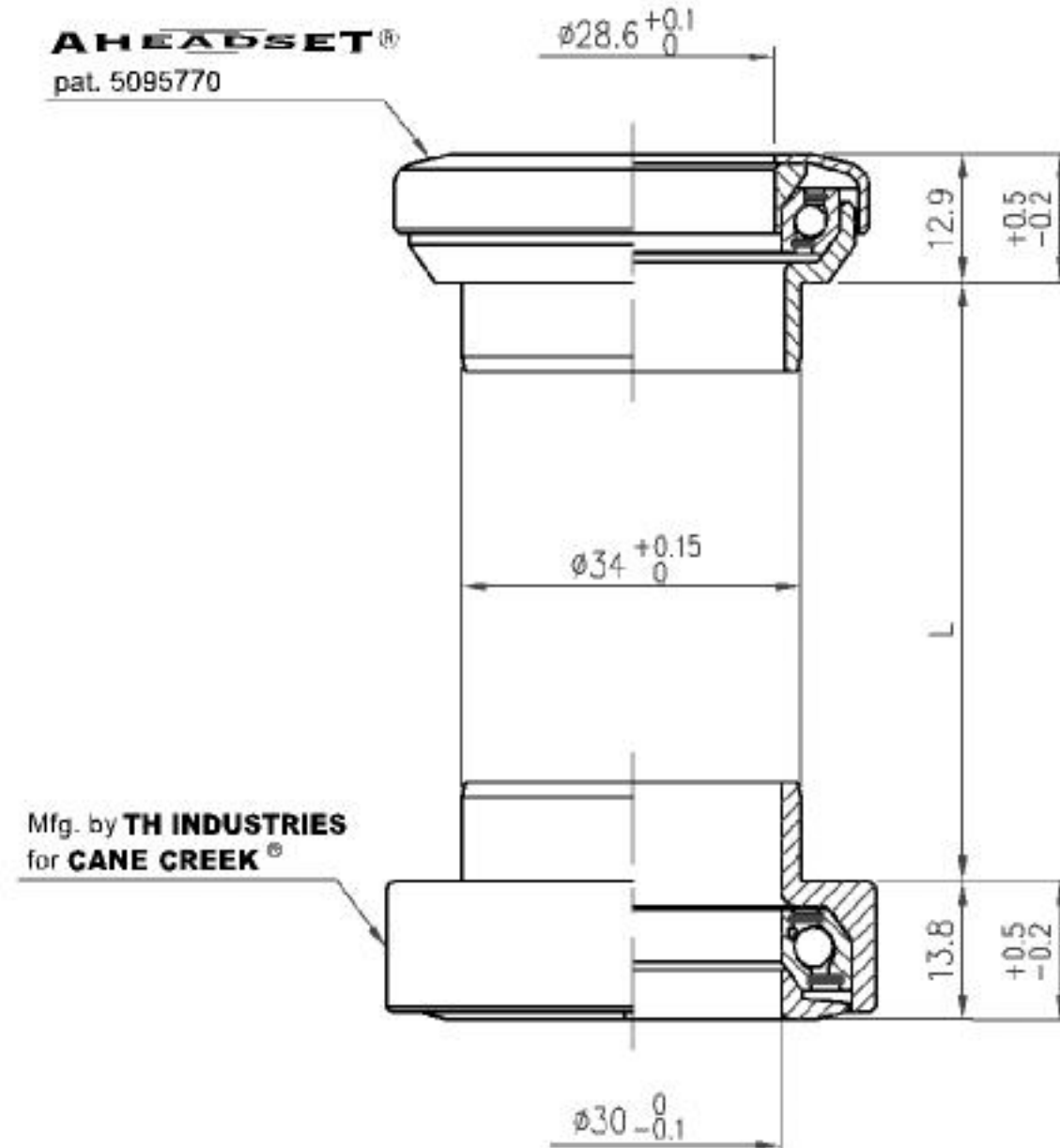




1-1/8"

For BMX / Freeride

36°/36° ACB



- Forged chromoly lower cup
- 12mm "Deep Cup " design
- Lower bearing- Oversize TH brand 36 degree angular contract bearings
- Upper bearing- TH brand 36 degree angular contract bearings
- Patented alignment tip for increased durability and performance
- Steel top cover
- Weight - 170 grams

No	Item No	Material	Qty
⑦	H6023 {NO.5S-6}	Steel	1PCS
⑥	MR033 {871-2RS}	Chrome steel	1PCS
⑤	H5047 {870-5}	CrMo	1PCS
④	H4021 {NO.18-4}	Steel	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	PVC	1PCS
①	H2031 {NO.18-2}	Steel	1PCS

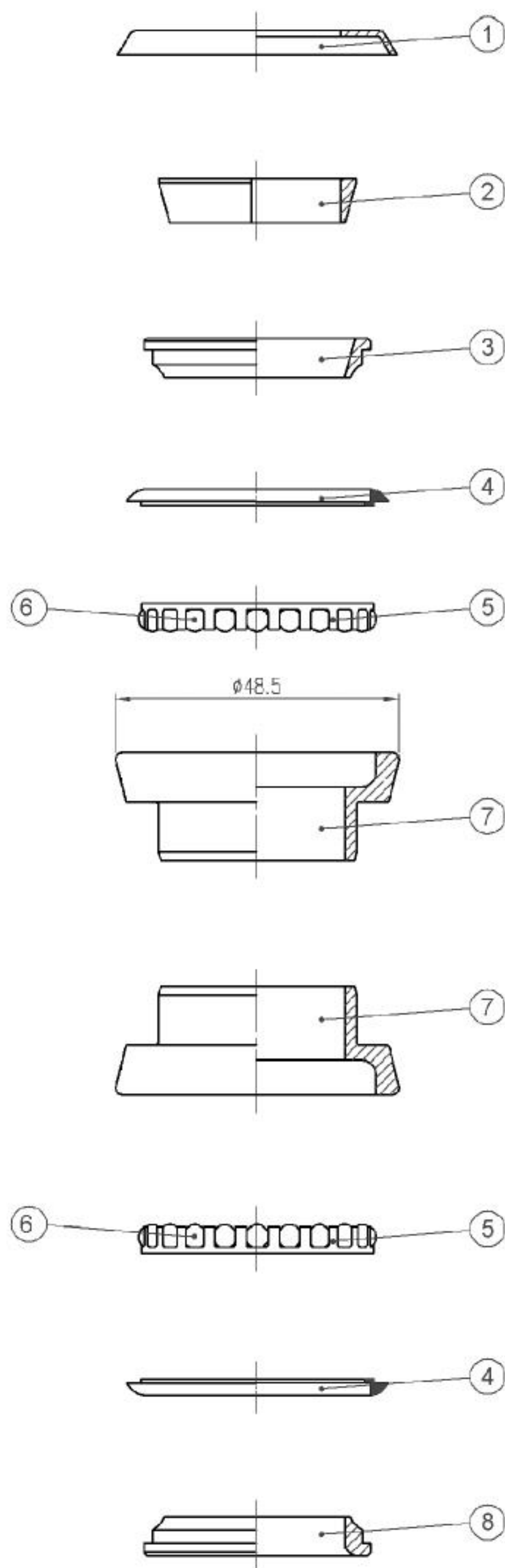
Stack Height: 12.9+13.8=26.7

TH-870 (1-1/8")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"

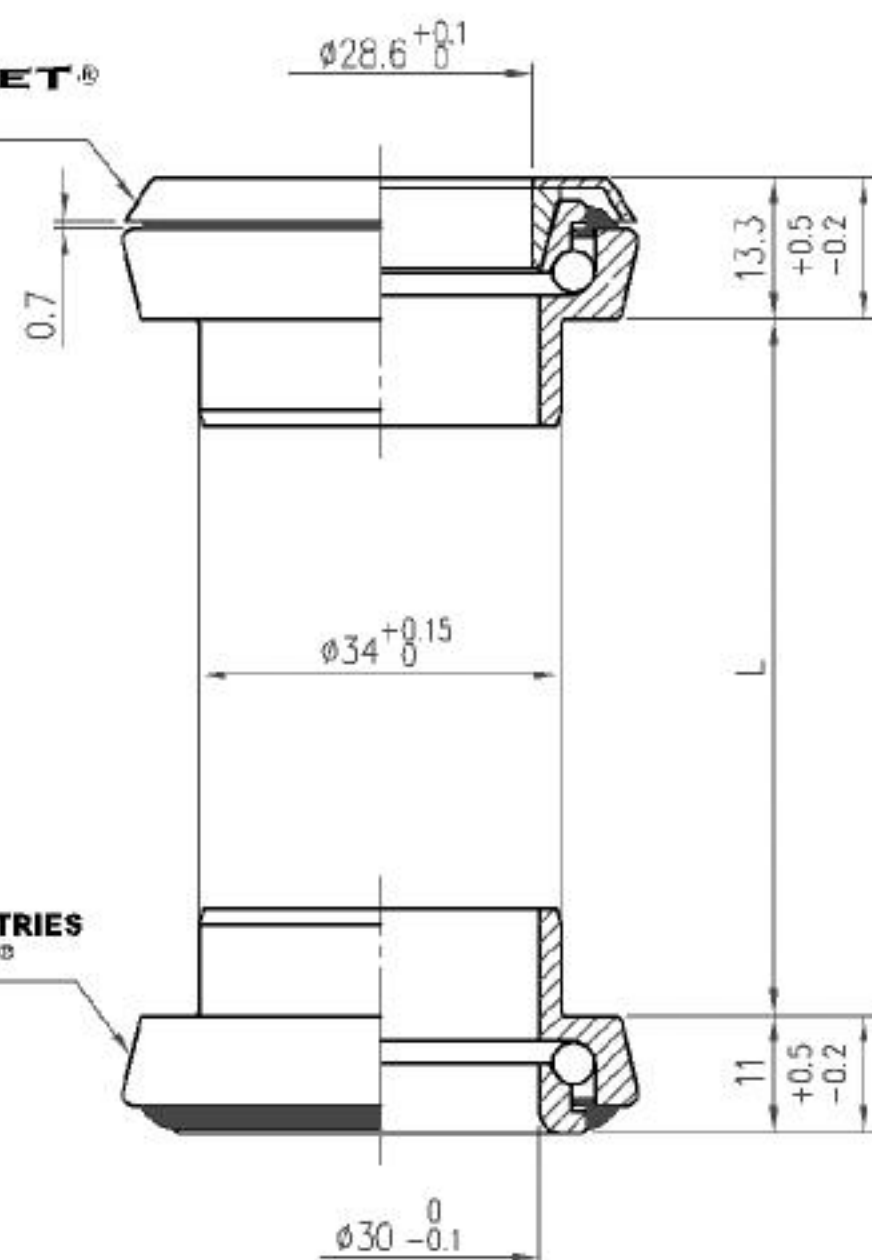
For BMX / Freeride



- Heavy Duty forged chromoly cups
- Upper and lower are the same
- 12mm Deep Cup design
- Steel top cover
- Black or Nickel finish

**AHEADSET®**  
pat. 5095770 #893

Mfg. by **TH INDUSTRIES**  
for **CANE CREEK®**



No	Item No	Material	Qty
⑧	H6010 {850-6}	CrMo	1PCS
⑦	H4084	CrMo	2PCS
⑥	MR001 {Φ5/32"x500#}	Chrome steel	44PCS
⑤	MR014 {Φ5/32x22}	Steel	2PCS
④	MS005 {850-6}	ABS	2PCS
③	H3071 {888-3}	Steel	1PCS
②	H2040 {888-2}	PVC	1PCS
①	H2131 {893-2}	Steel	1PCS

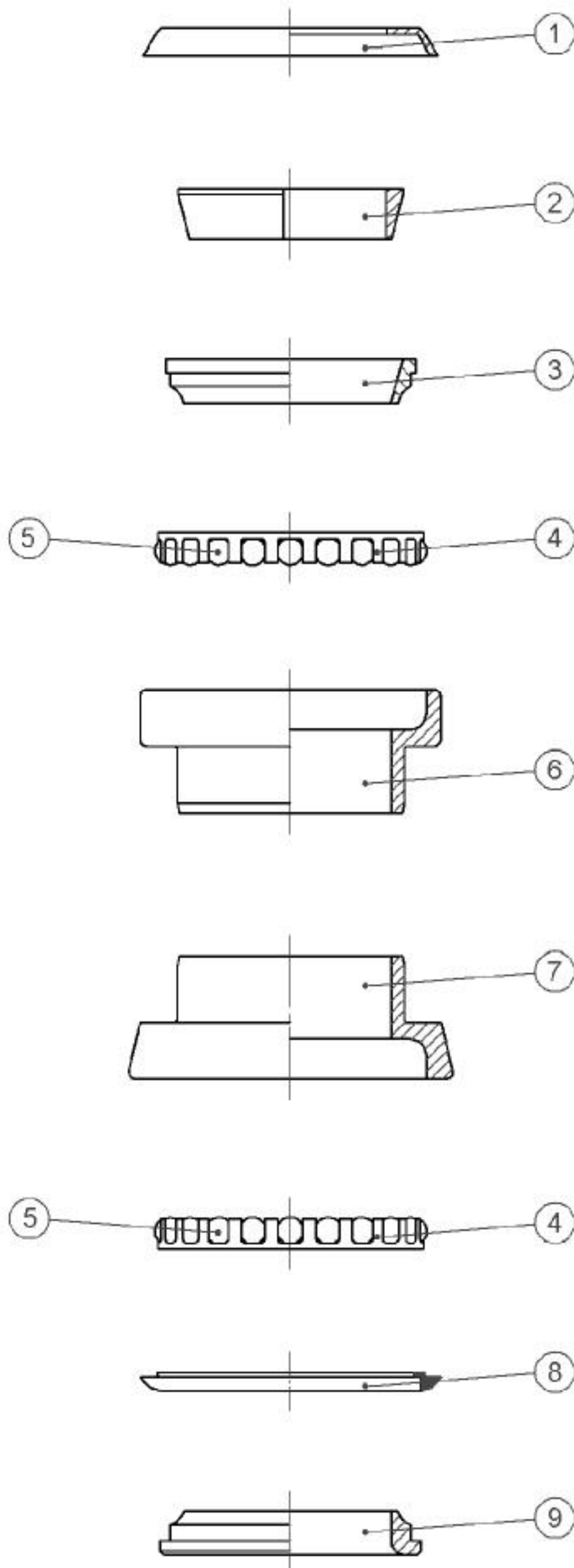
Stack Height: 13.3+11=24.3

TH-893 (1-1/8") Buster

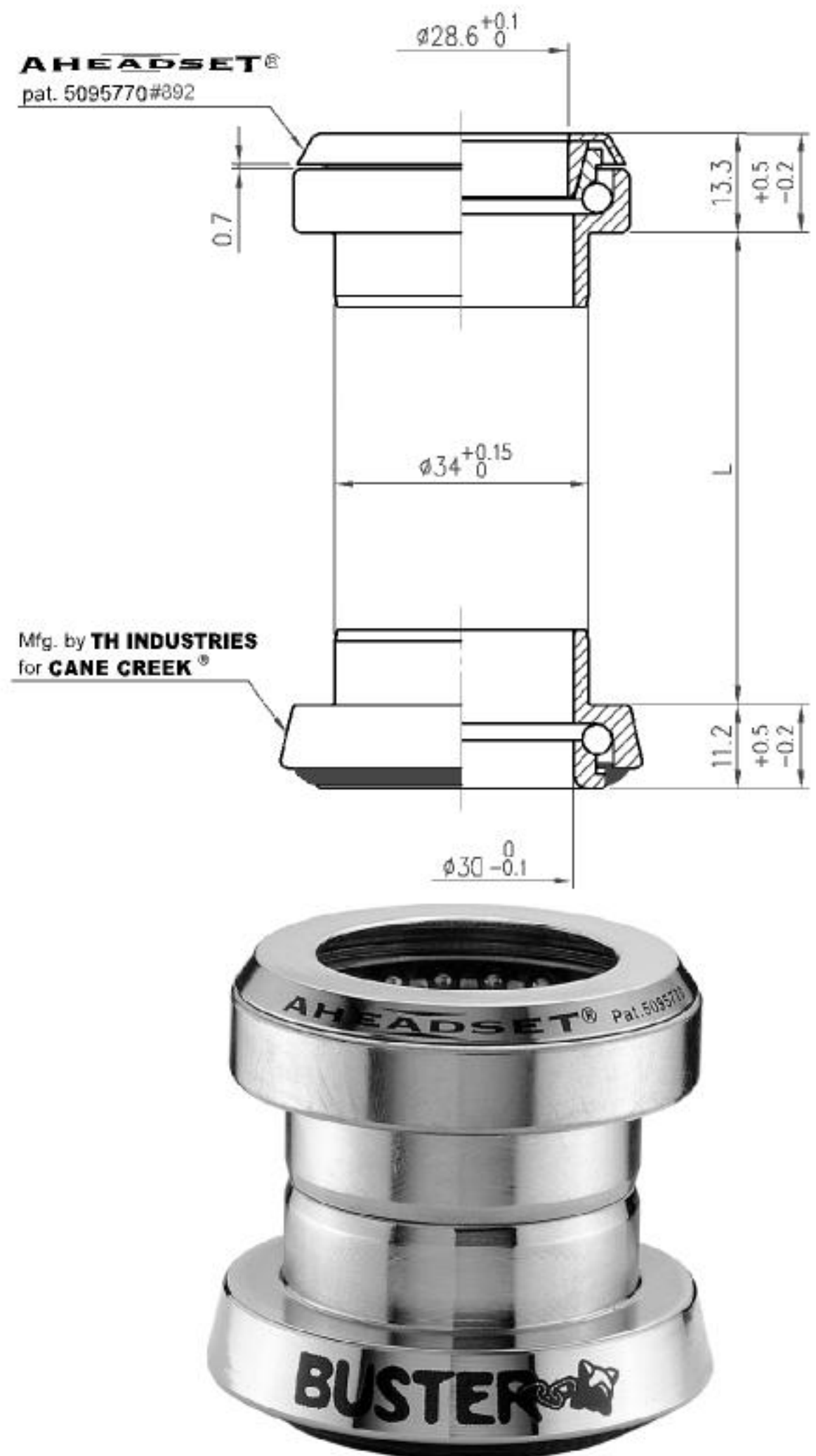
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"

For BMX / Freeride  
Gyro Compatible



- Heavy Duty forged chromoly cups
- Gyro Compatible
- 12mm Deep Cup design
- Steel top cover
- Black or Nickel finish



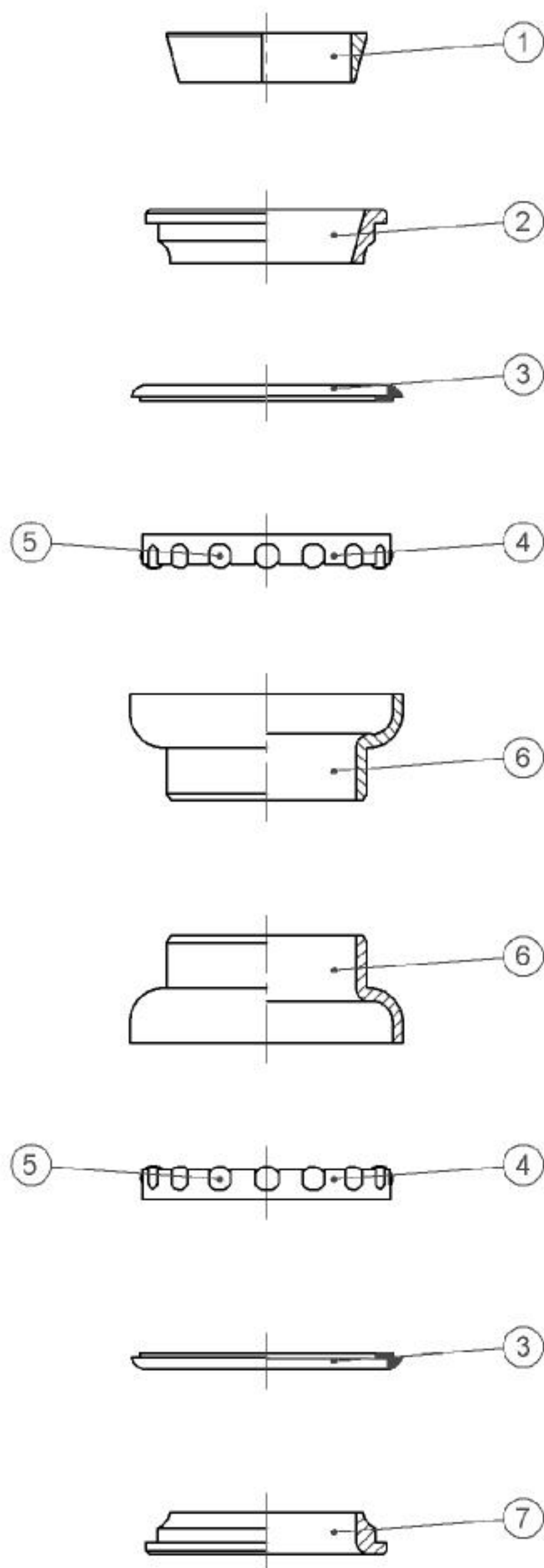
No	Item No	Material	Qty
⑨	H6010 {850-6}	Steel	1PCS
⑧	MS005 {850-6}	ABS	1PCS
⑦	H4084	CrMo	1PCS
⑥	H4028 {892-4}	Steel	1PCS
⑤	MR001 {Φ5/32"x500#}	Chrome steel	44PCS
④	MR014 {Φ5/32x22}	Steel	2PCS
③	H3051 {850AL-3}	Steel	1PCS
②	H2040 {888-2}	PVC	1PCS
①	H2135 {892-2}	Steel	1PCS

Stack Height:  $13.3 + 11.2 = 24.5$

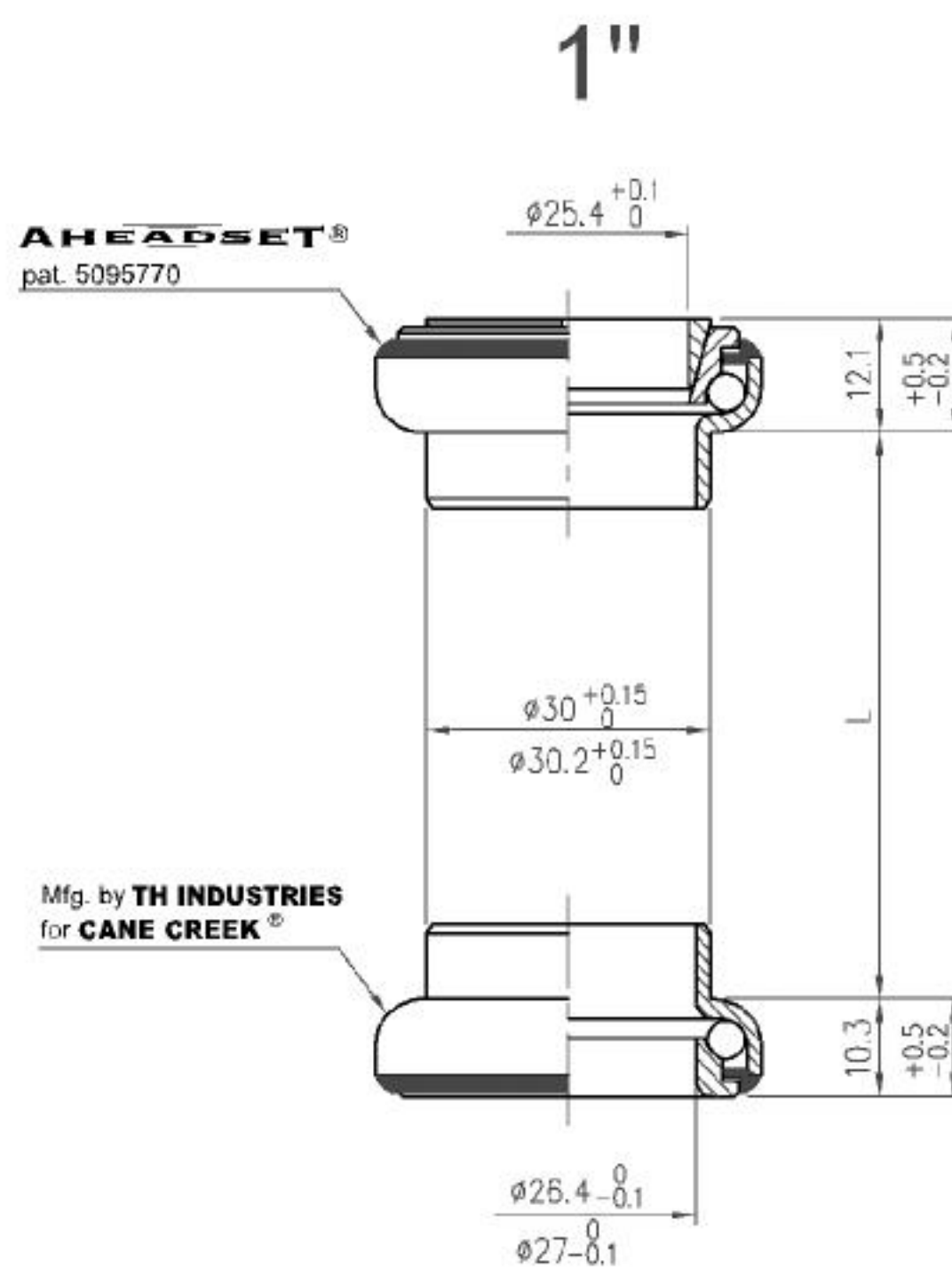
TH-892 (1-1/8") Buster

天心工業股份有限公司  
TH INDUSTRIES CO., LTD.





- Forged Steel cups
- $\Phi 5/32"$  x 16 caged ball bearings
- Plastic top cover
- Weight - 102 grams



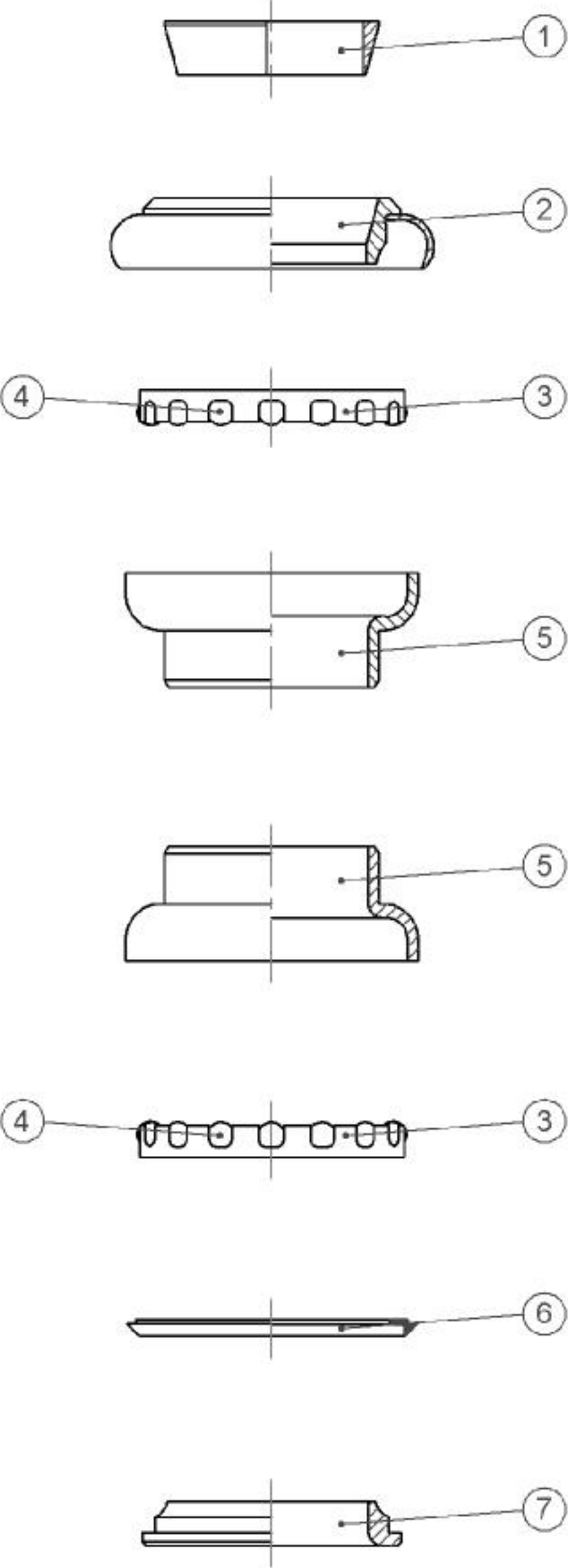
No	Item No	Material	Qty
⑦	H6006 {390-6}	Steel	1PCS
⑥	H5040 {390-5}	Steel	2PCS
⑤	MR001 { $\Phi 5/32"$ x 500#}	Chrome steel	32PCS
④	MR007 { $\Phi 5/32"$ x 16}	Steel	2PCS
③	MS003 {390-6}	ABS	2PCS
②	H3066 {NO.10A-3}	Steel	1PCS
①	H2018 {NO.2A-2}	Nylon	1PCS

Stack Height:  $12.1 + 10.3 = 22.4$

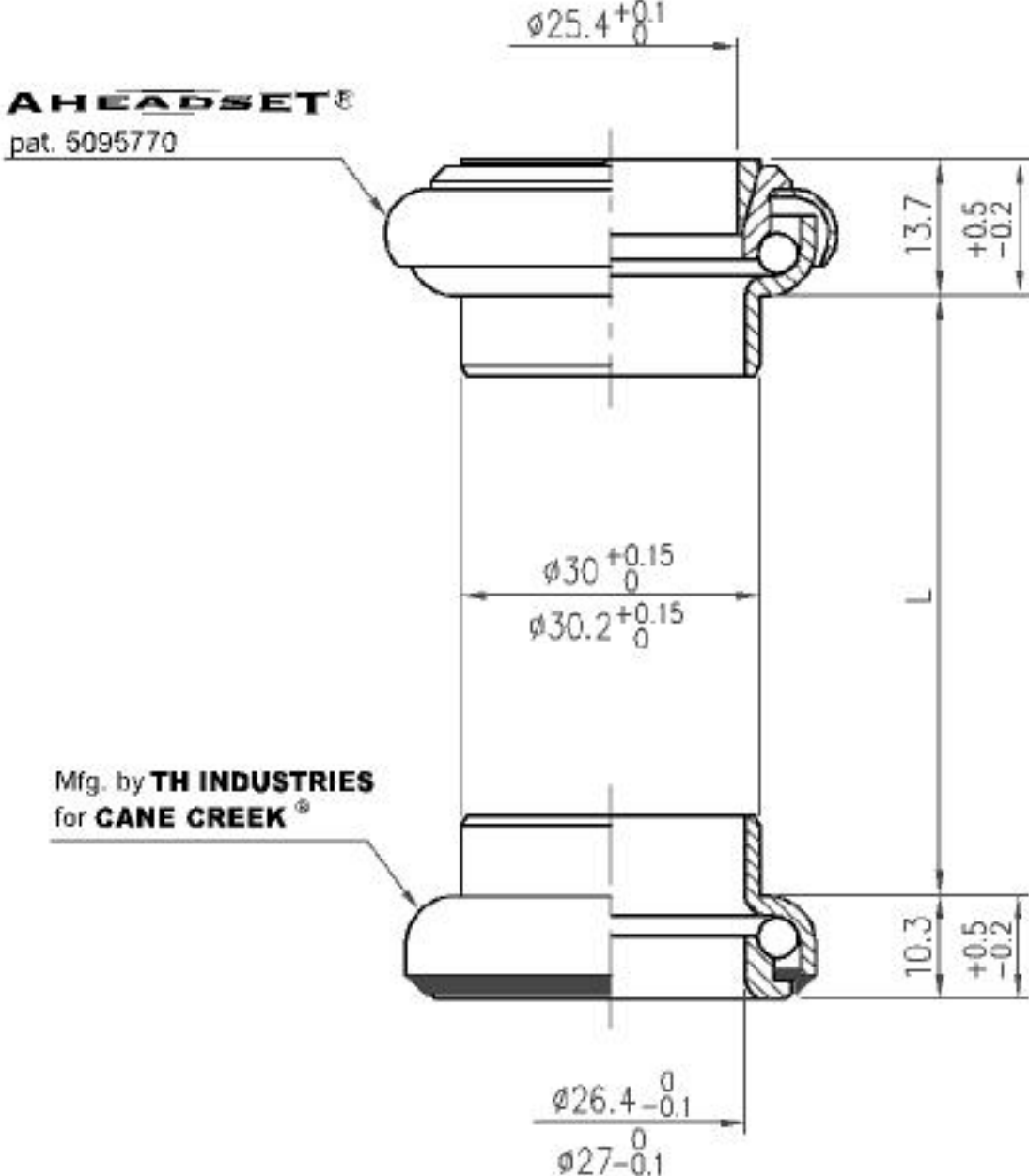
TH-388 (1")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1"

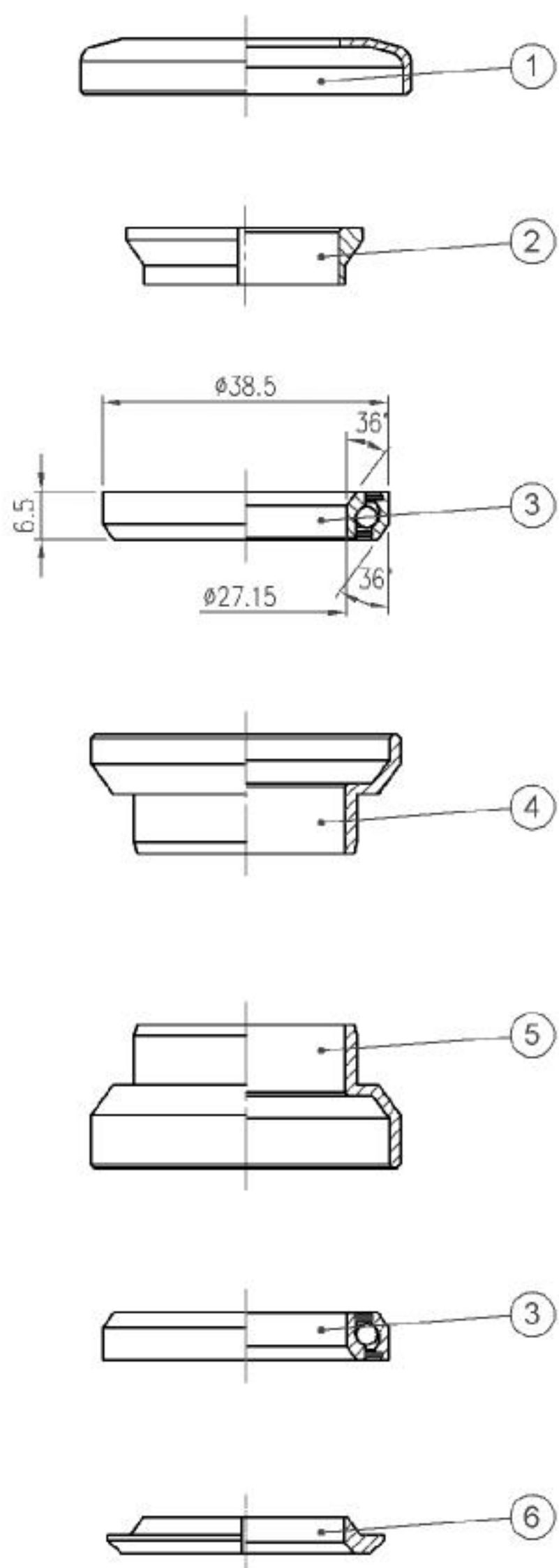


- Forged Steel cups
- $\Phi 5/32''$  x 20 caged ball bearings
- Steel top cover
- Black ED finish
- Weight - 125 grams

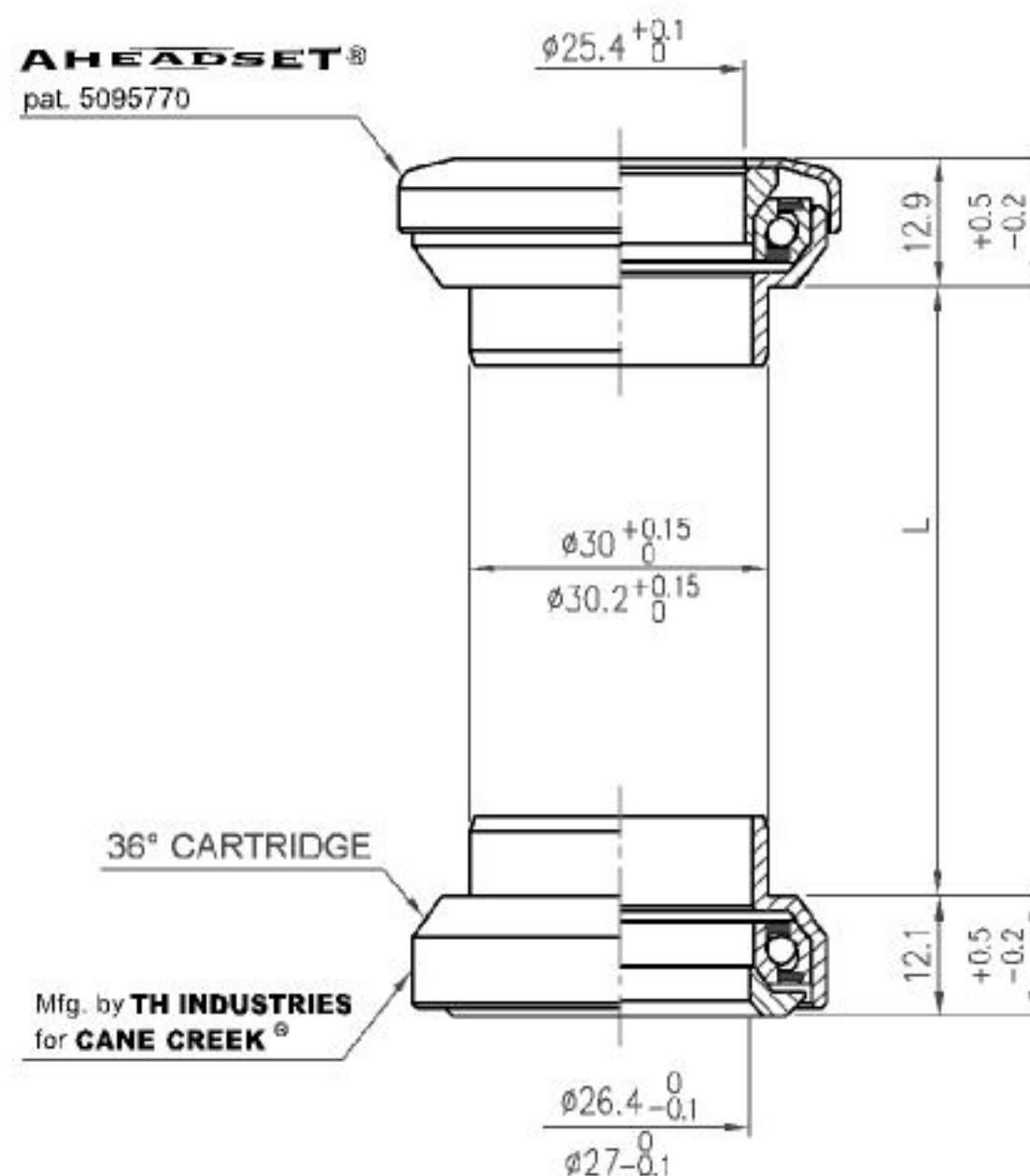


No	Item No	Material	Qty
⑦	H6006 {390-6}	Steel	1PCS
⑥	MS003 {390-6}	ABS	1PCS
⑤	H5040 {390-5}	Steel	2PCS
④	MR001 { $\Phi 5/32''$ x500#}	Chrome steel	32PCS
③	MR007 { $\Phi 5/32''$ x16}	Steel	2PCS
②	H3009 {355-3}	Steel	1PCS
①	H2018 {NO.2A-2}	Nylon	1PCS
Stack Height: 13.7+10.3=24			
TH-355 (1")			
天心工業股份有限公司			
TH INDUSTRIES CO.,LTD.			

1"



**AHEADSET®**  
pat. 5095770



- Forged 1.2mm thin steel cups
- TH brand micro angular contact bearings(red seal)
- Black or Satin silver finsh
- Weight - 138 grams

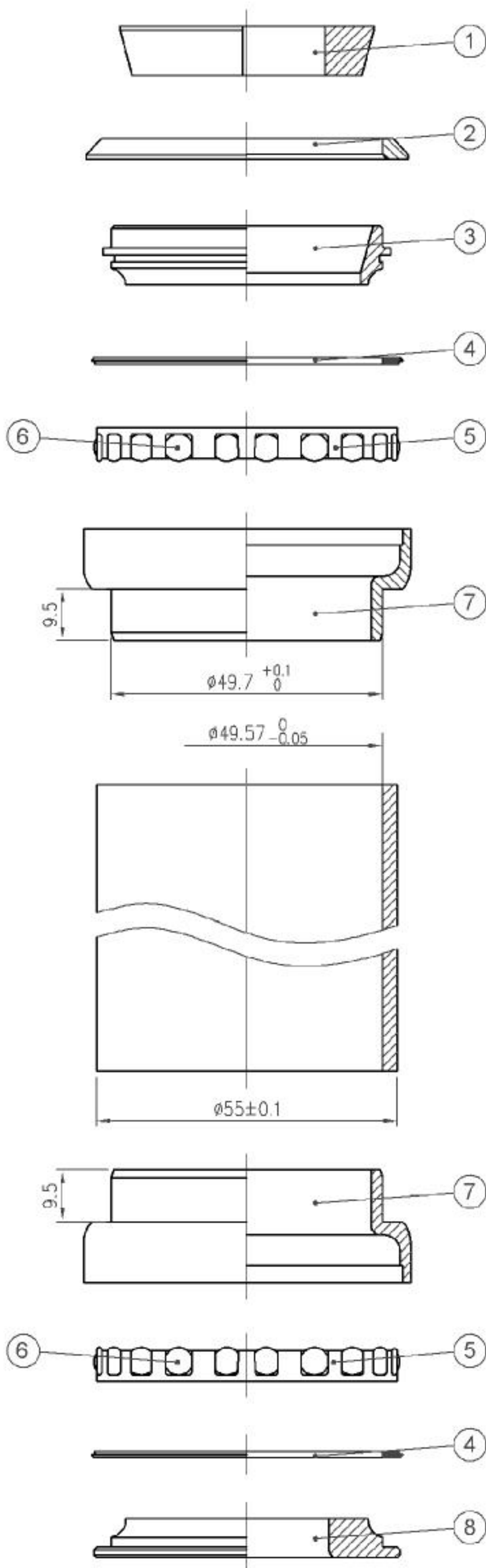
No	Item No	Material	Qty
⑥	H6027 {S2-1"-6}	Steel	1PCS
⑤	H5038 {NO.18A-5}	Steel	1PCS
④	H4044 {NO.18A-4}	Steel	1PCS
③	MR050 {372-2RS}	Chrome Steel	2PCS
②	H2019 {NO.5A-2}	PVC	1PCS
①	H2037 {NO.18A-2}	Steel	1PCS

Stack Height:12.9+12.1=25

NO.18A (1")

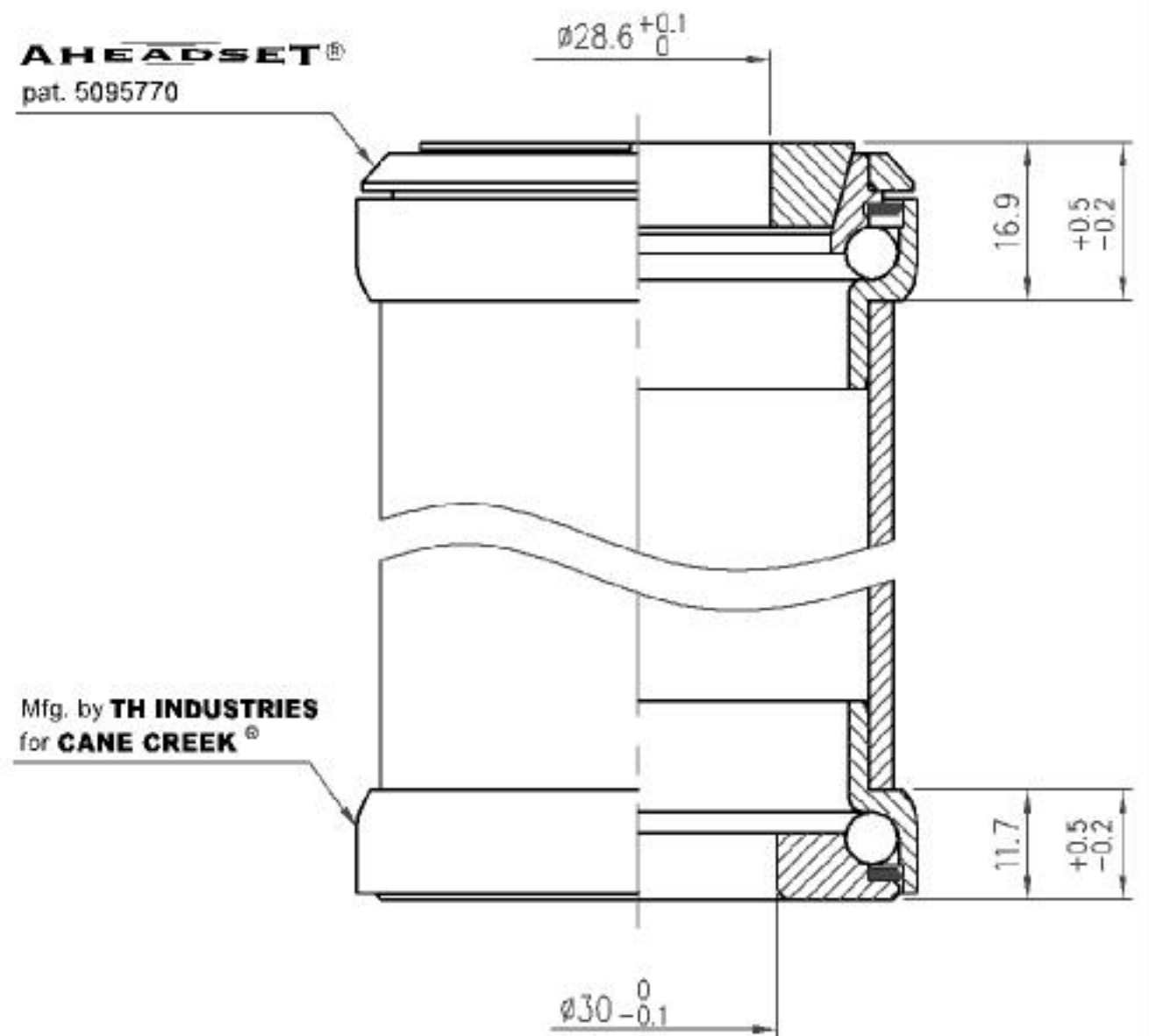
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- Reduction design
- Steel cups
- $\Phi 5/32"$  x 26 balls
- For 1.5" sized headtube and 1 1/8" steerer
- Weight - 260 grams

## 1.5" 1-1/8" FORK



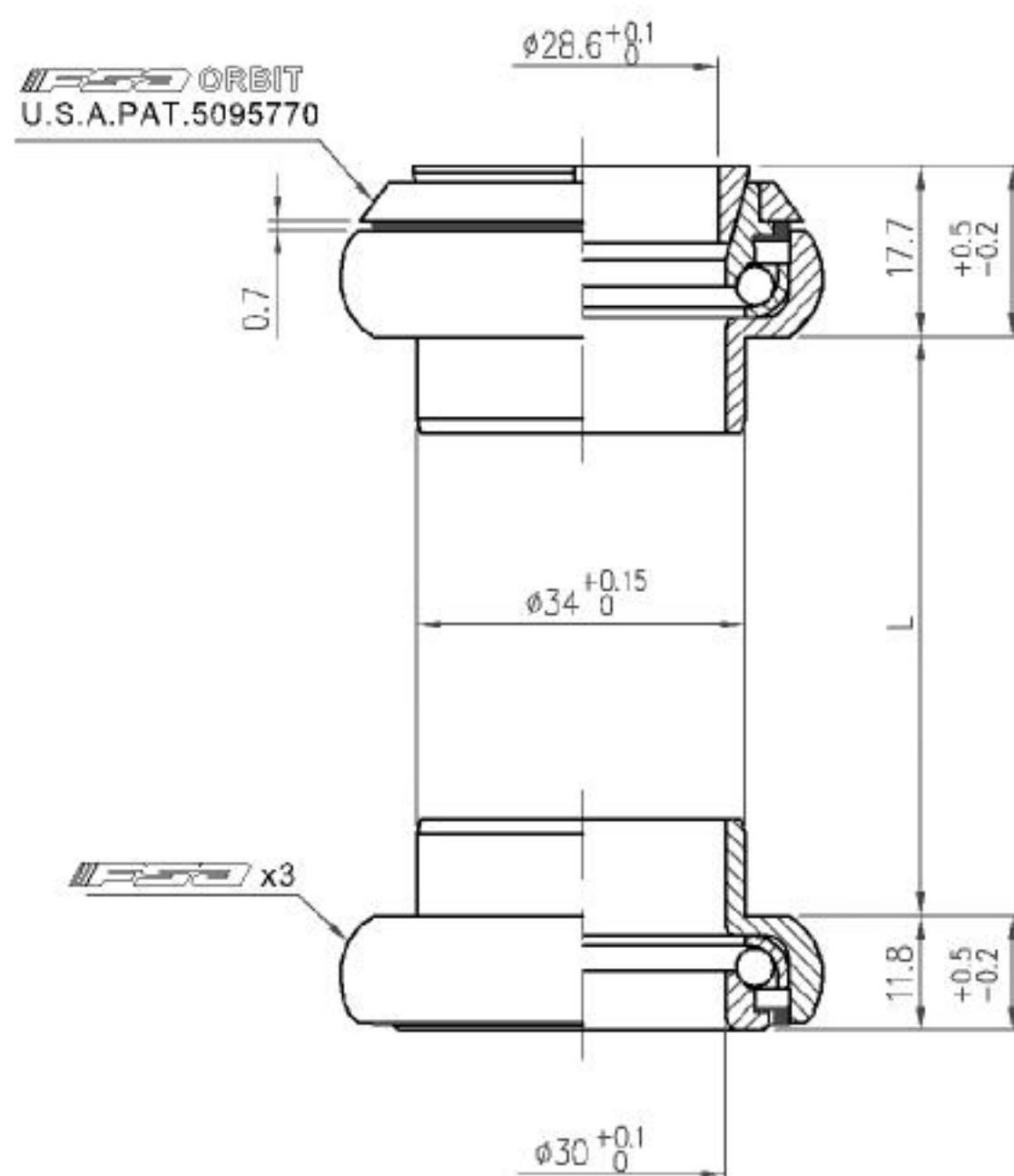
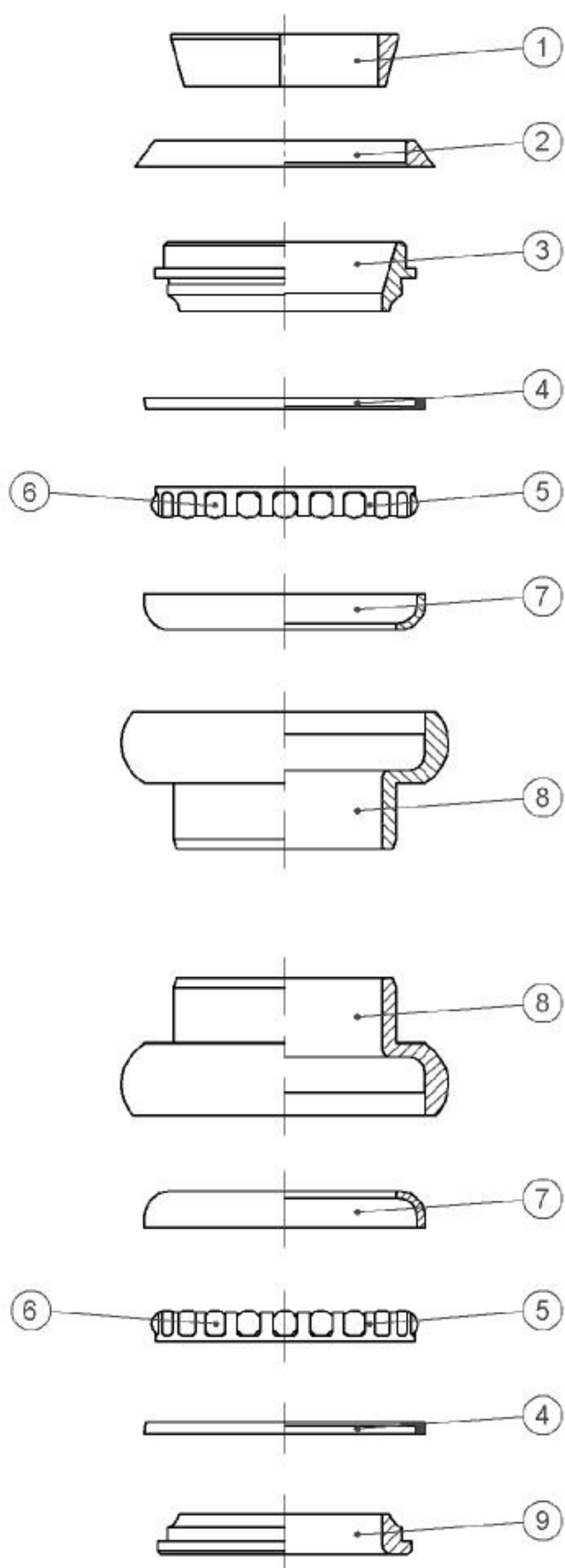
No	Item No	Material	Qty
⑧	H6051 {NO.60-6}	Steel	1PCS
⑦	H4064 {NO.60ST-4-5}	Steel	2PCS
⑥	MR005 { $\Phi 7/32"$ x 500#}	Chrome steel	40PCS
⑤	MR068 { $\Phi 7/32"$ x 20}	Steel	2PCS
④	MS096 {NO.60-4-6}	Rubber	2PCS
③	H3083 {NO.60-3B}	Steel	1PCS
②	H3082 {NO.60-3A}	6061 / T6	1PCS
①	H2017 {875-2}	6061 / T6	1PCS

Stack Height: 16.9+11.7=28.6

NO.60ST (1.5")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"



- Forged and CNC machined 6061/T6 aluminum cups
- Upper and lower water seals
- Weight - 112 grams(1-1/8")

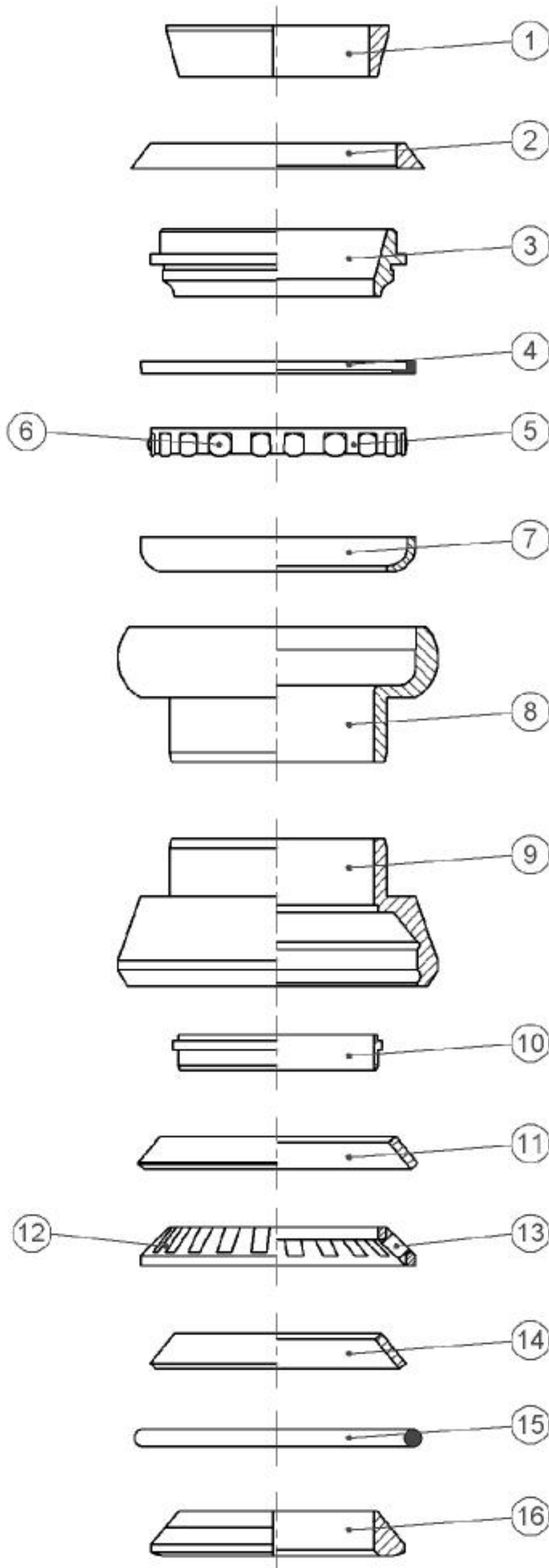
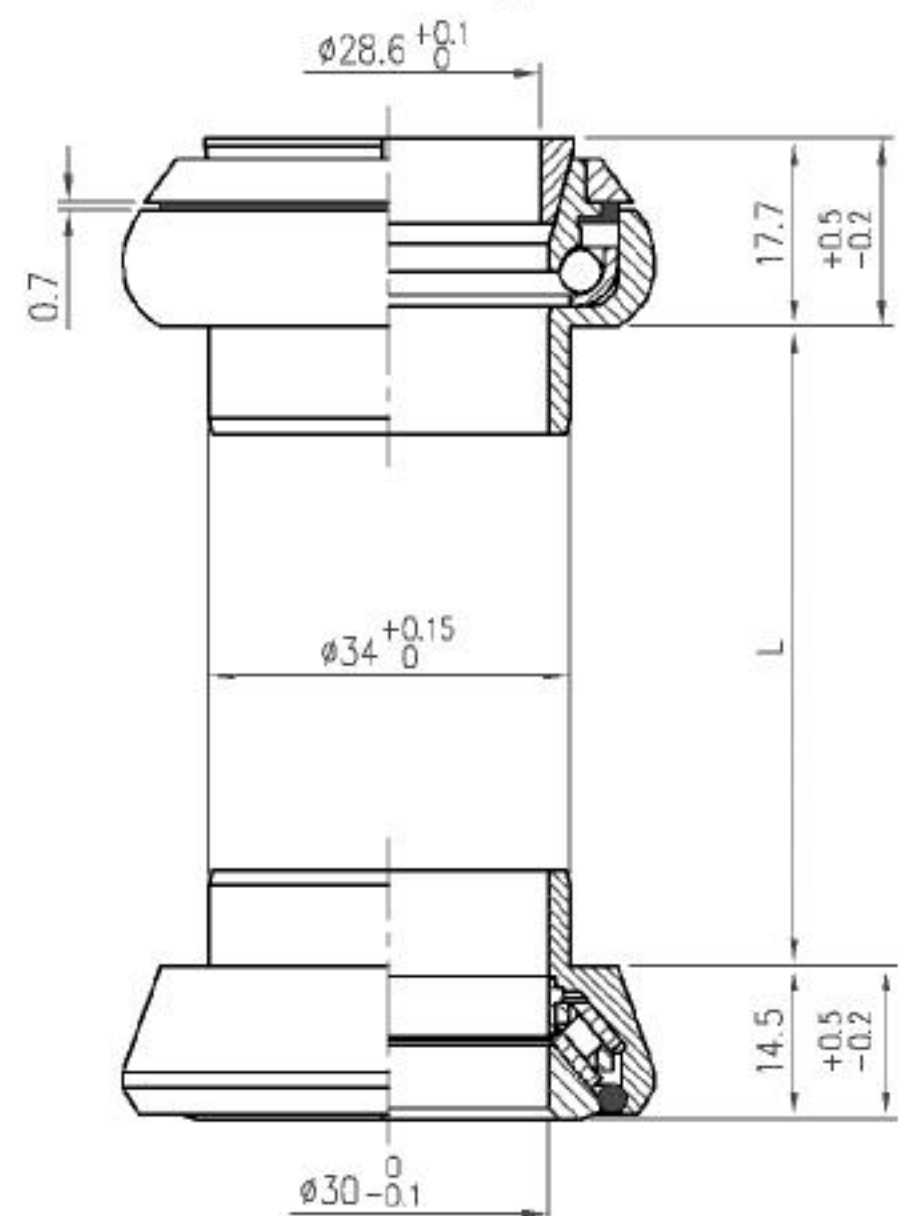
No	Item No	Material	Qty
⑨	H6010 {850-6}	Steel	1PCS
⑧	H5022 {865-5}	6061 / T6	2PCS
⑦	H7012 {860-5}	Steel	2PCS
⑥	MR001 {Φ5/32"x500#}	Chrome steel	44PCS
⑤	MR014 {Φ5/32"x22}	Steel	2PCS
④	MS020 {865-4-6}	Rubber	2PCS
③	H3043 {NO.1-3B}	Steel	1PCS
②	H3050 {NO.1-3A}	6061 / T6	1PCS
①	H2017 {875-2}	6061 / T6	1PCS

Stack Height: 17.7+11.8=29.5

Orbit DL (NO.1) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8" Needle Bearing - Lower



- Forged and CNC machined 6061/T6 aluminum cups
- Upper cup uses  $\Phi 5/32$ " caged ball bearings
- Lower cup uses sealed needle bearings
- Upper and lower water seals
- Split aluminum crown race
- Weight - 102 grams(1-1/8")

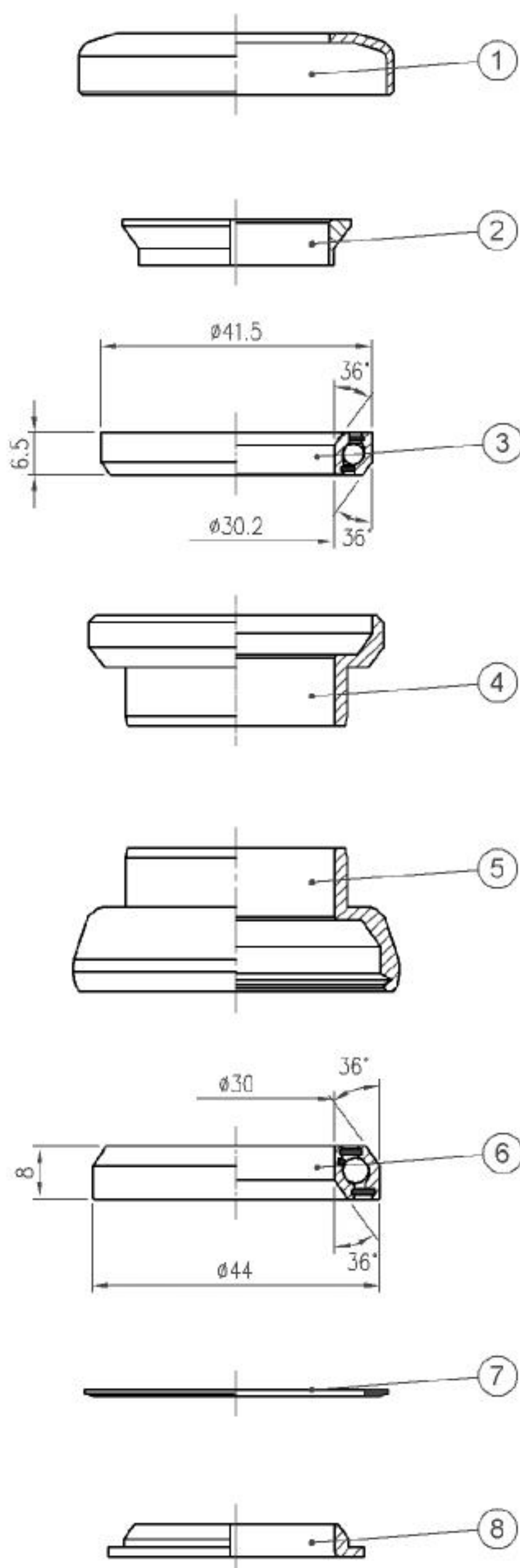
No	Item No	Material	Qty
⑩	H6008 {811-6}	6061 / T6	1PCS
⑮	MS035 {811-4-5}	Rubber	1PCS
⑭	H7010 {811-3-6}	Steel	1PCS
⑬	MR006	Chrome steel	22PCS
⑫	MR019 {811}	Nylon	1PCS
⑪	H7009 {811-4-5}	Steel	1PCS
⑩	MS007 {875-4-5}	P.P	1PCS
⑨	H5016 {811-5}	6061 / T6	1PCS
⑧	H5016 {811-5}	6061 / T6	1PCS
⑦	H7012 {860-5}	Steel	1PCS
⑥	MR001 { $\Phi 5/32$ "x500#}	Chrome steel	22PCS
⑤	MR014 { $\Phi 5/32$ "x22}	Steel	1PCS
④	MS020 {865-4-6}	Rubber	1PCS
③	H3043 {NO.1-3B}	Steel	1PCS
②	H3050 {NO.1-3A}	6061 / T6	1PCS
①	H2017 {875-2}	6061 / T6	1PCS

Stack Height: 17.7+14.5=32.2

Orbit UF (NO.2) 1-1/8"

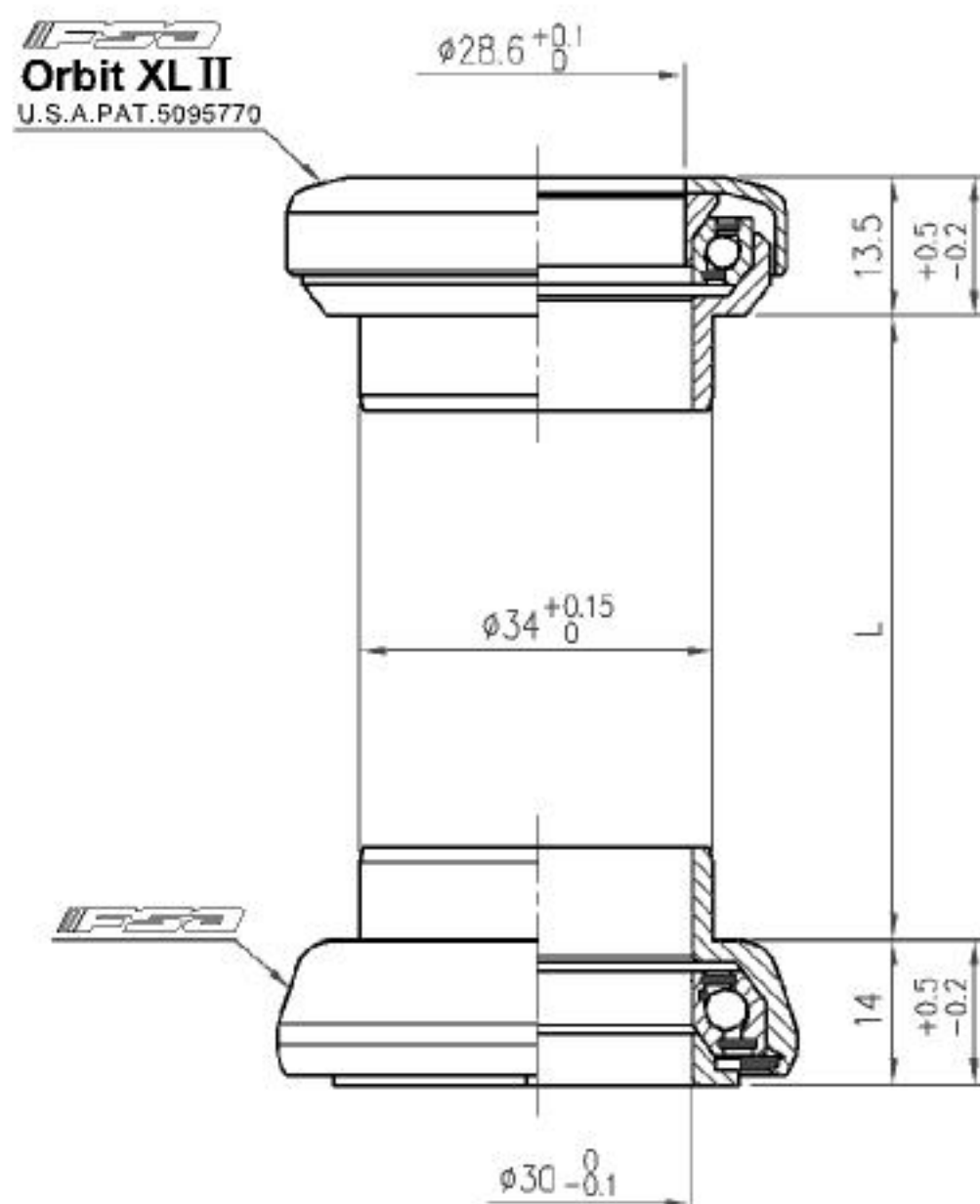
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- Forged and CNC machined 6061/T6 aluminum cups
- TH Brand 36 degree Angular Contact sealed bearings
- Split 7075 aluminum crown race
- Weight - 101 grams(1-1/8")

1-1/8"  
36°/36° ACB

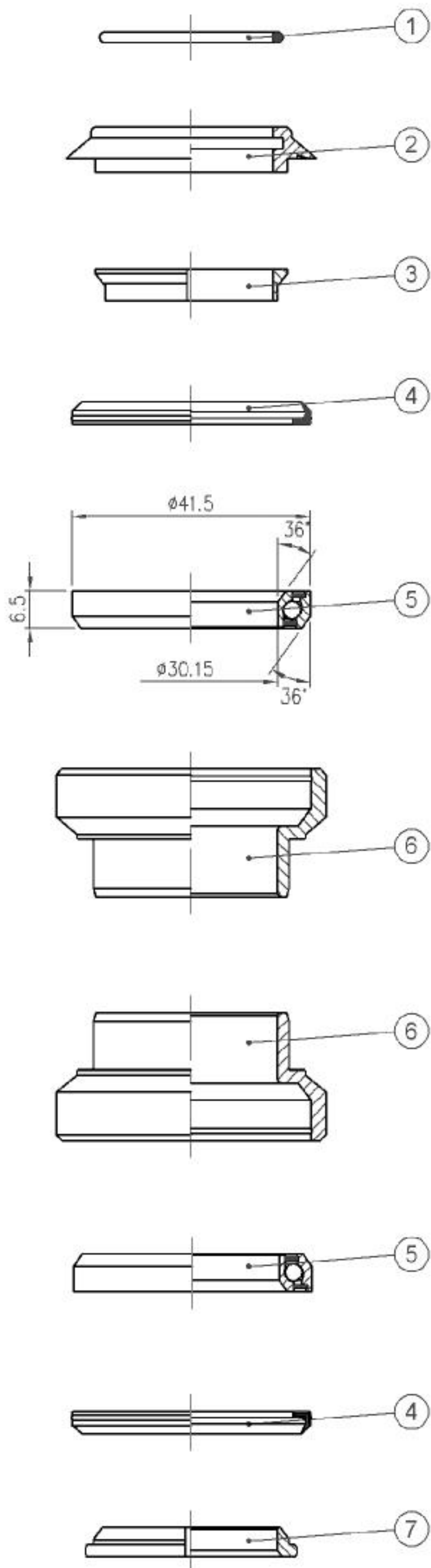


No	Item No	Material	Qty
⑧	H6011 {866-6}	7075 / T6	1PCS
⑦	MS021 {900-4-6}	Rubber	1PCS
⑥	MR033 {871-2RS}	Chrome steel	1PCS
⑤	H5036	6061 / T6	1PCS
④	H4020	6061 / T6	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2033 {NO.5-3}	6061 / T6	1PCS

Stack Height: 13.5+14=27.5

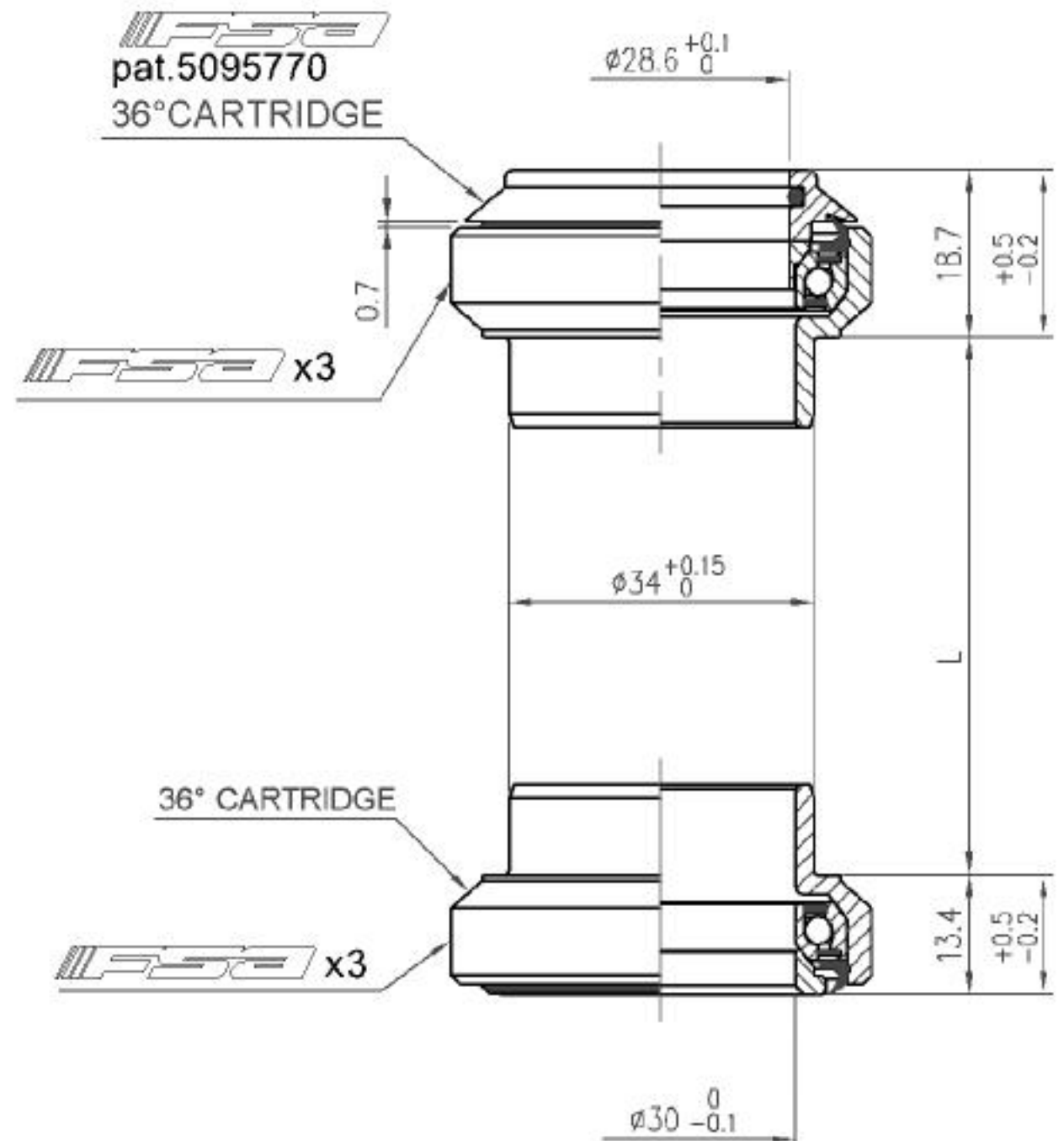
Orbit XL II (NO.5) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Forged and CNC machined 6061/T6 aluminum cups
- TH Brand 36 degree Micro Angular Contact Bearings
- 7075 aluminum crown race
- Weight - 98 grams(1-1/8")

1-1/8"  
36°/36° ACB

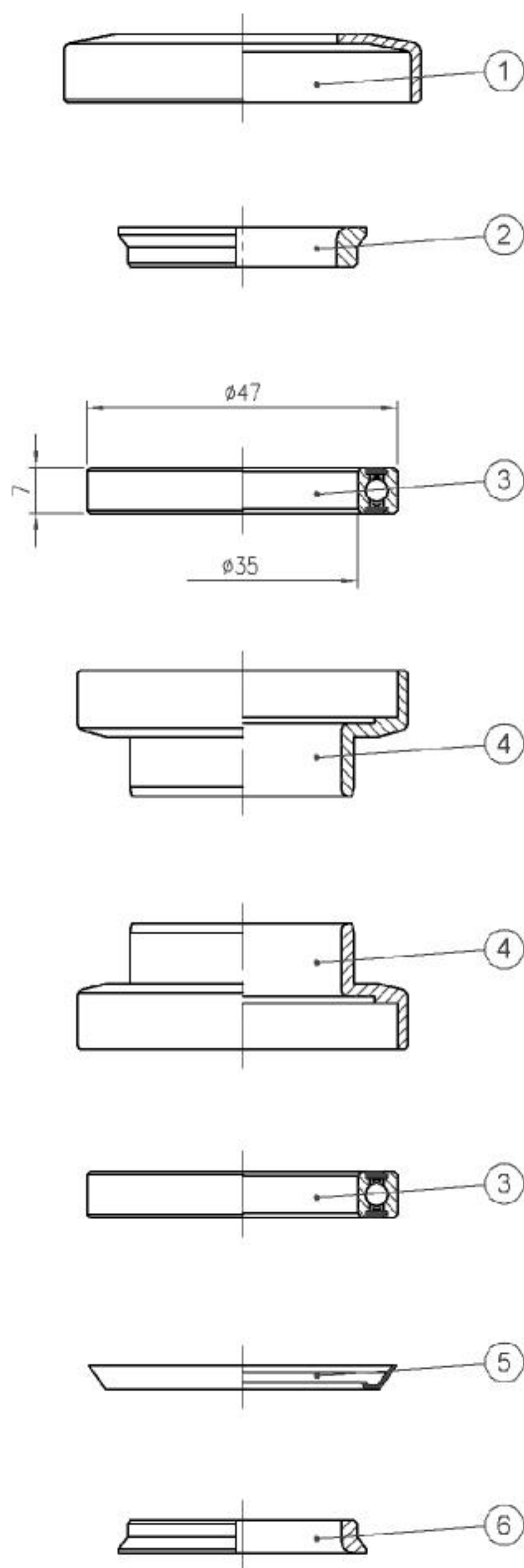


No	Item No	Material	Qty
⑦	H6033	7075 / T6	1PCS
⑥	H4023 {NO.20-4-5}	6061 / T6	2PCS
⑤	MR049 {872-2RS}	Chrome Steel	2PCS
④	MS090 {ORBIT-X}	Rubber	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2069 {SP-4-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 18.7+13.4=32.1

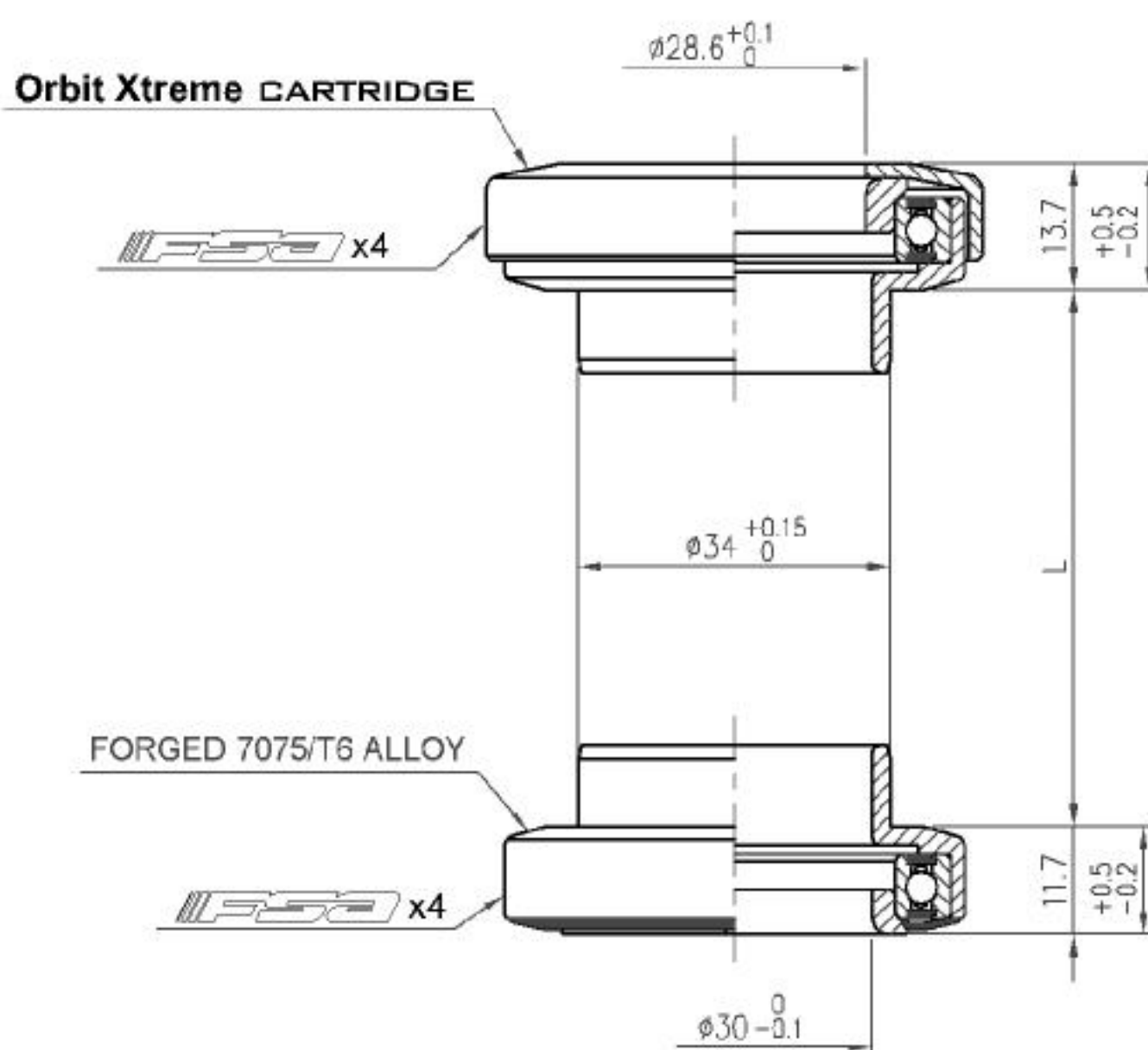
Orbit MX (NO.20) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



# 1-1/8"

## Industrial Bearing



- Forged and CNC machined 7075/T6 aluminum cups
- Industrial cartridge sealed bearings
- Weight - 114 grams(1-1/8")

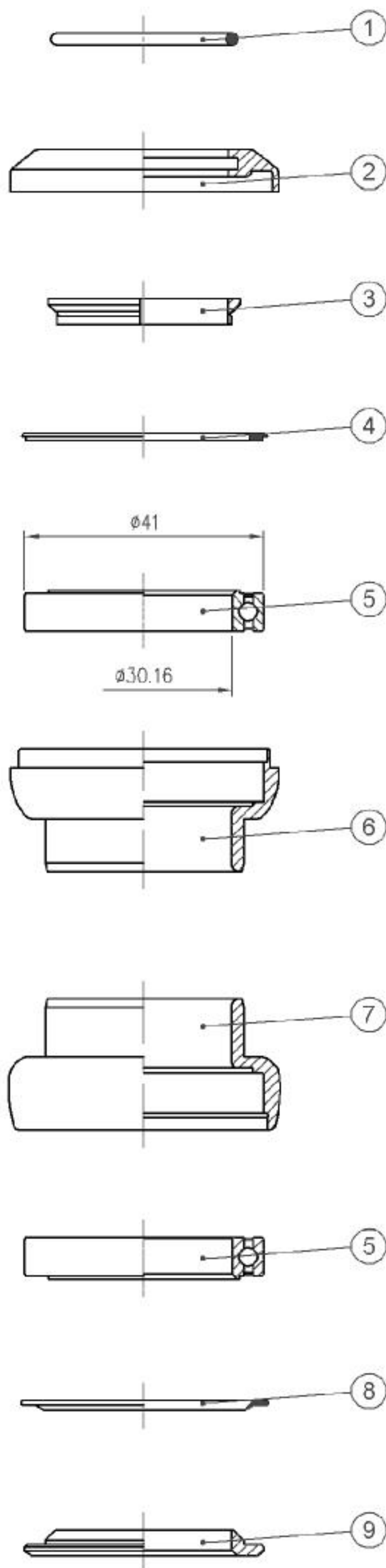
No	Item No	Material	Qty
⑥	H6020 {NO.6-6}	Steel	1PCS
⑤	MS009 {NO.6}	PVC	1PCS
④	H4040 {NO.6-4~5}	7075 / T6	2PCS
③	MR027 {6807-2RS}	Chrome steel	2PCS
②	H3045 {NO.6-3}	6061 / T6	1PCS
①	H2034 {NO.6-2}	6061 / T6	1PCS

Stack Height: 13.7+11.7=25.4

Orbit Xtreme (NO.6) 1-1/8"

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.

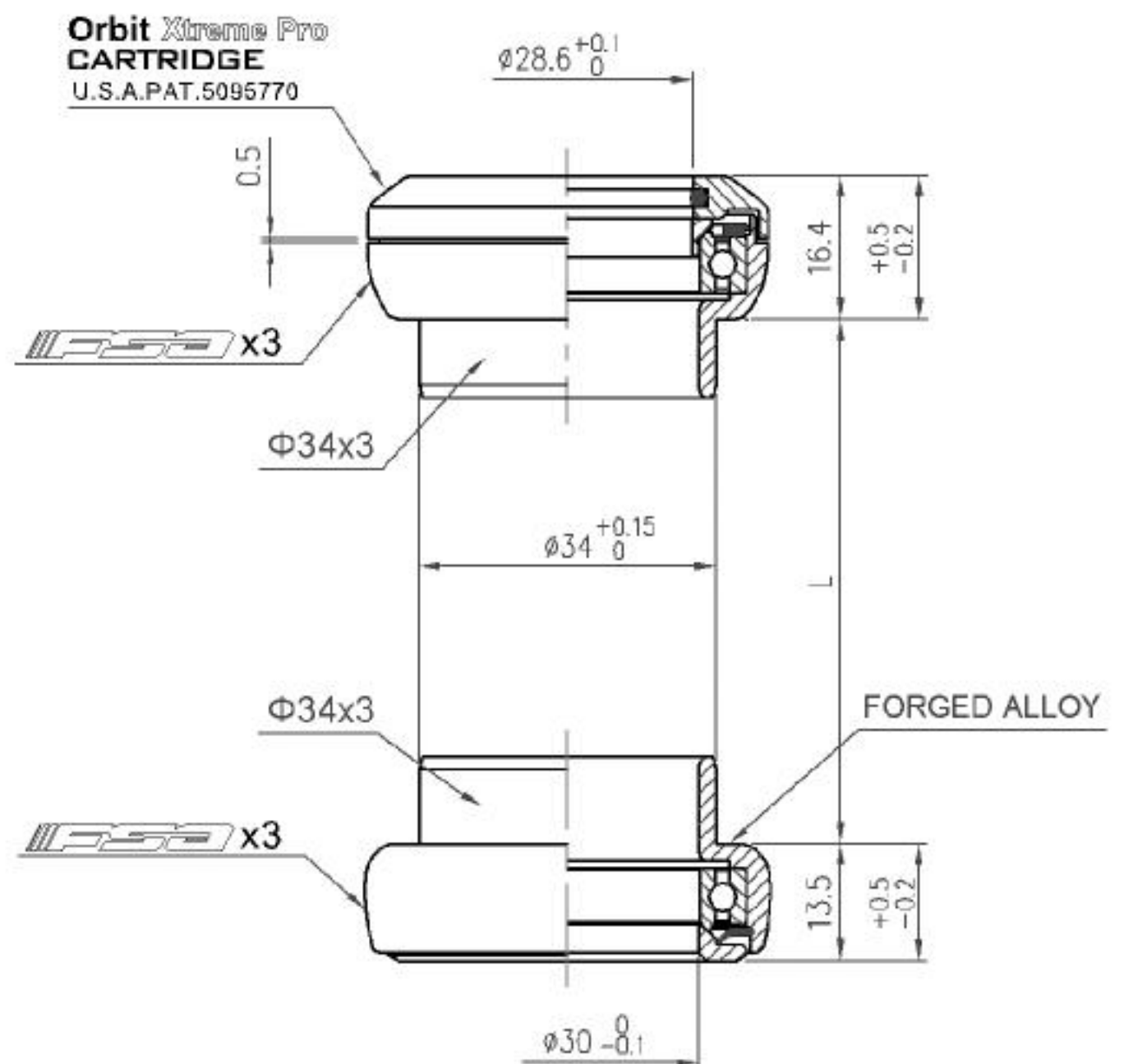




- Forged and CNC machined 7075/T6 aluminum cups
- New stainless steel Angular Contact Bearings
- Stainless steel crown race
- Weight - 119 grams(1-1/8")

# 1-1/8"

## Special Size ACB

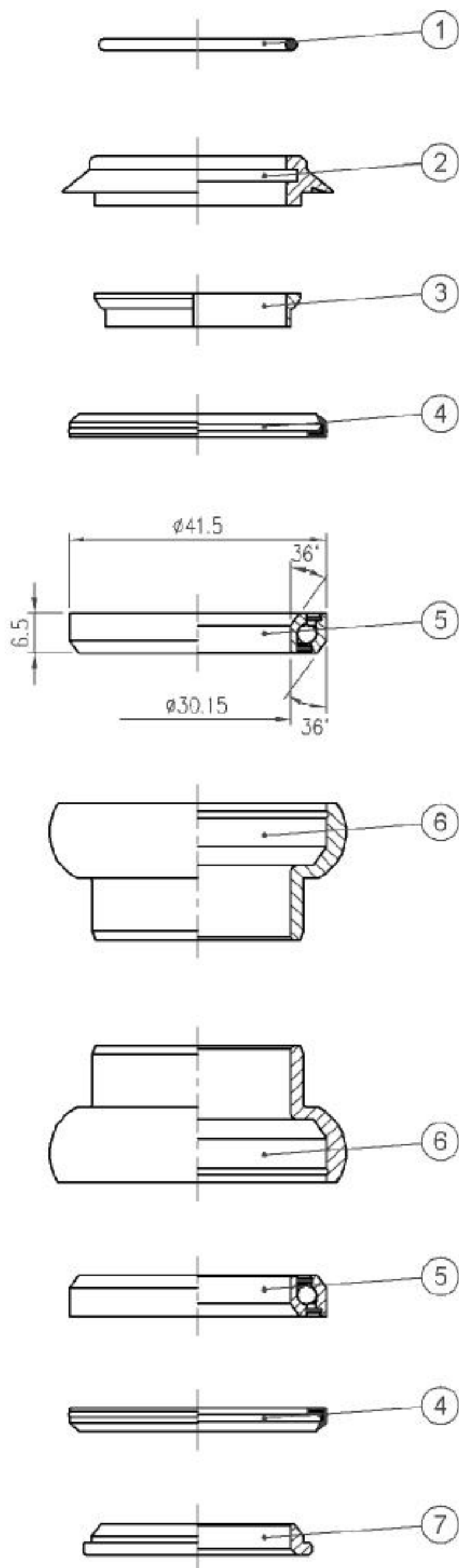


No	Item No	Material	Qty
⑨	H6012 {NO.12-6}	Stainless	1PCS
⑧	MS087	Rubber	1PCS
⑦	H5037 {NO.12-5}	6061 / T6	1PCS
⑥	H4065 {NO.12-4}	6061 / T6	1PCS
⑤	MR062 {874S-2RS}	Stainless	2PCS
④	MS018 {800-4-6}	Rubber	1PCS
③	H2096 {NO.12-2}	Stainless	1PCS
②	H3067 {NO.12-3}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 16.4+13.5=29.9

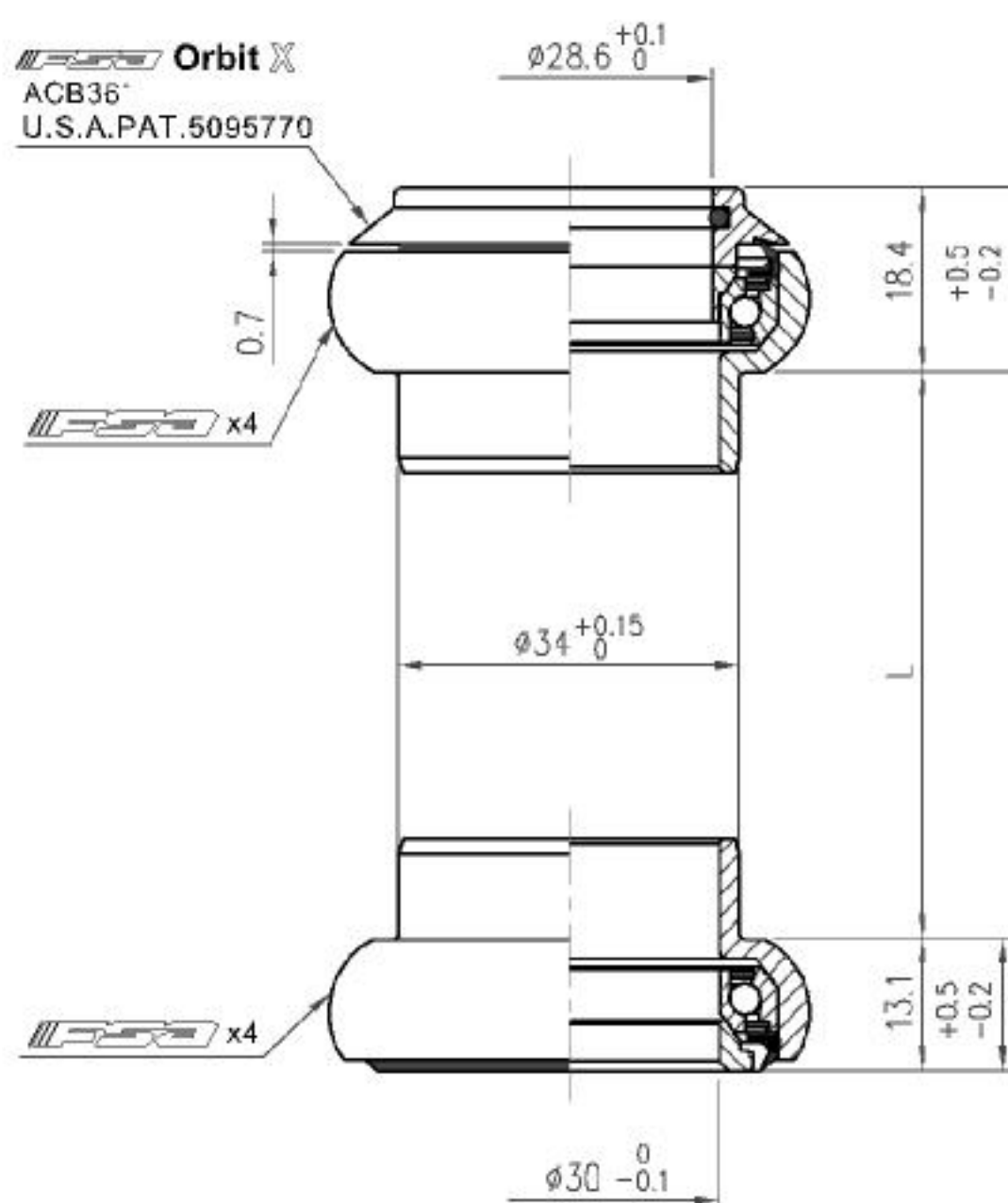
Orbit Xtreme Pro (NO.12) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Classic shape with modern styling for high-end road bikes
- Forged and CNC machined 6061/T6 aluminum cups
- TH brand 36 degree Micro Angular Contact Bearing (red seal)
- 7075/T6 crown race
- Weight - 99 grams (1-1/8")

1-1/8"  
36°/36° ACB



No	Item No	Material	Qty
⑦	H6033	7075 / T6	1PCS
⑥	H4070 {ORBIT-X-4-5}	6061 / T6	2PCS
⑤	MR049 {872-2RS}	Chrome Steel	2PCS
④	MS090 {ORBIT-X}	Rubber	2PCS
③	H2048 {WCS-1-1/8"-2}	6061 / T6	1PCS
②	H2069	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 18.4+13.1=31.5

Orbit X (1-1/8")

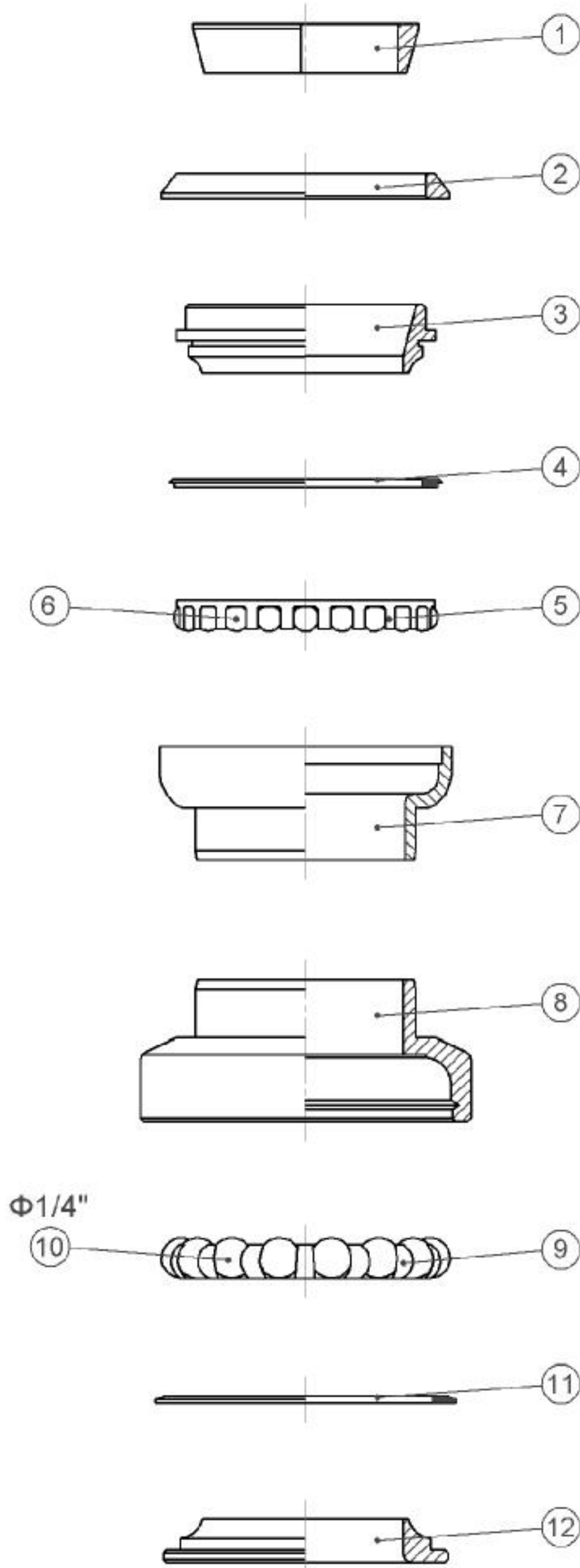
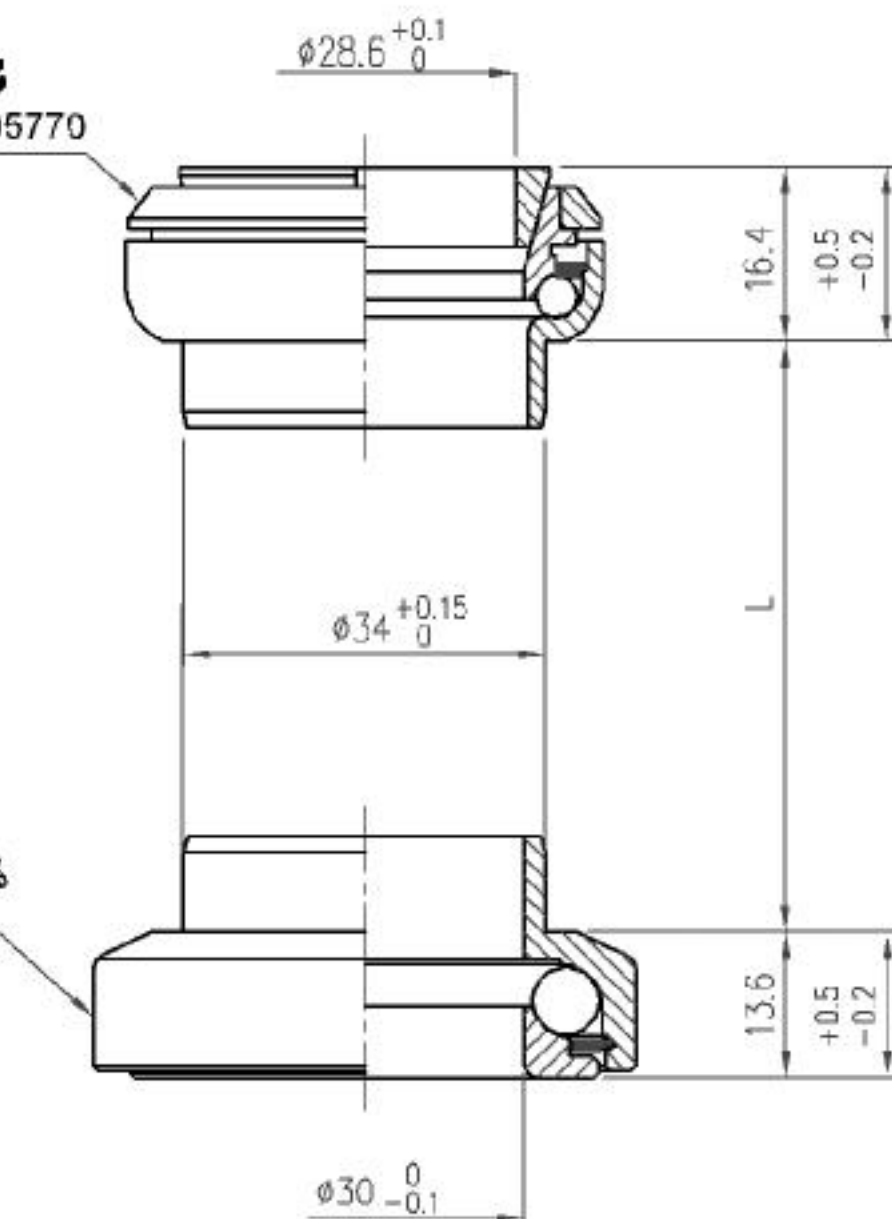
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

# 1-1/8"

## For BMX / Freeride

THE **Pig**  
U.S.A. Pat.5095770

**FSA** THE **Pig**



- Forged chromoly lower cup
- 12mm Deep Cup
- Super oversized  $\Phi 1/4"$  lower ball bearings
- Caged  $\Phi 5/32"$  ball bearing upper
- Chromoly crown race
- Gyro compatible
- Weight - 180 grams

No	Item No	Material	Qty
⑫	H6022 {NO.7-6}	CrMo	1PCS
⑪	MS021 {900-4-6}	Rubber	1PCS
⑩	MR003 { $\Phi 1/4"$ x500#}	Chrome steel	15PCS
⑨	MR016 { $\Phi 1/4"$ x15B}	Steel	1PCS
⑧	H5034 {NO.7-5}	CrMo	1PCS
⑦	H4030 {NO.7-4}	Steel	1PCS
⑥	MR001 { $\Phi 5/32"$ x500#}	Chrome steel	22PCS
⑤	MR014 { $\Phi 5/32"$ x22}	Steel	1PCS
④	MS018 {800-4-6}	Rubber	1PCS
③	H3043 {NO.1-3B}	Steel	1PCS
②	H3058 {NO.7-3A}	6061 / T6	1PCS
①	H2017 {875-2}	6061 / T6	1PCS

Stack Height: 16.4+13.6=30

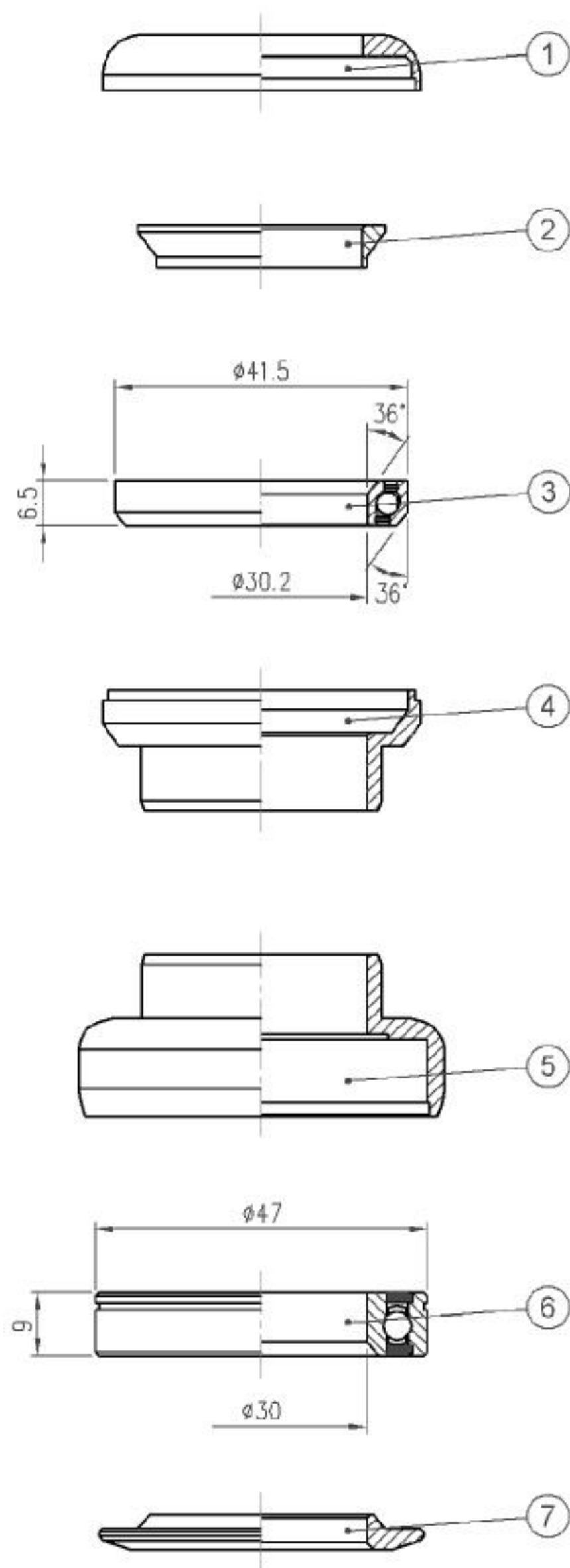
The Pig (NO.7) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

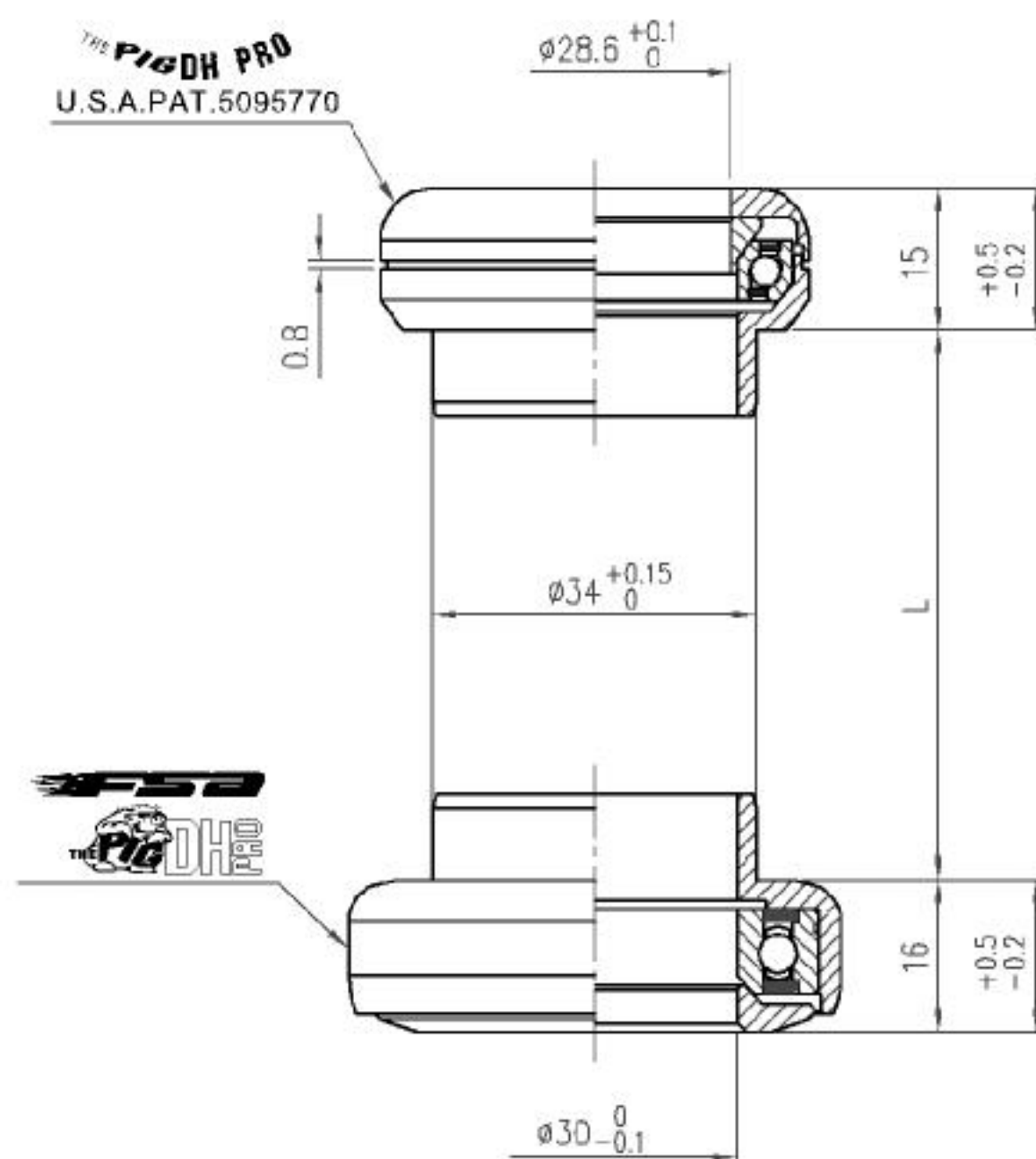


1-1/8"

For BMX / Freeride  
ACB/Industrial Bearing



- Forged chromoly lower cup
- 6061/T6 upper cup
- Industrial cartridge sealed lower bearings
- Forged chromoly crown race
- Gyro compatible
- Weight - 176 grams



No	Item No	Material	Qty
⑦	H6015	CrMo	1PCS
⑥	MR029 {6906-2RS}	Chrome steel	1PCS
⑤	H5029	CrMo	1PCS
④	H4069	6061 / T6	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2061	6061 / T6	1PCS

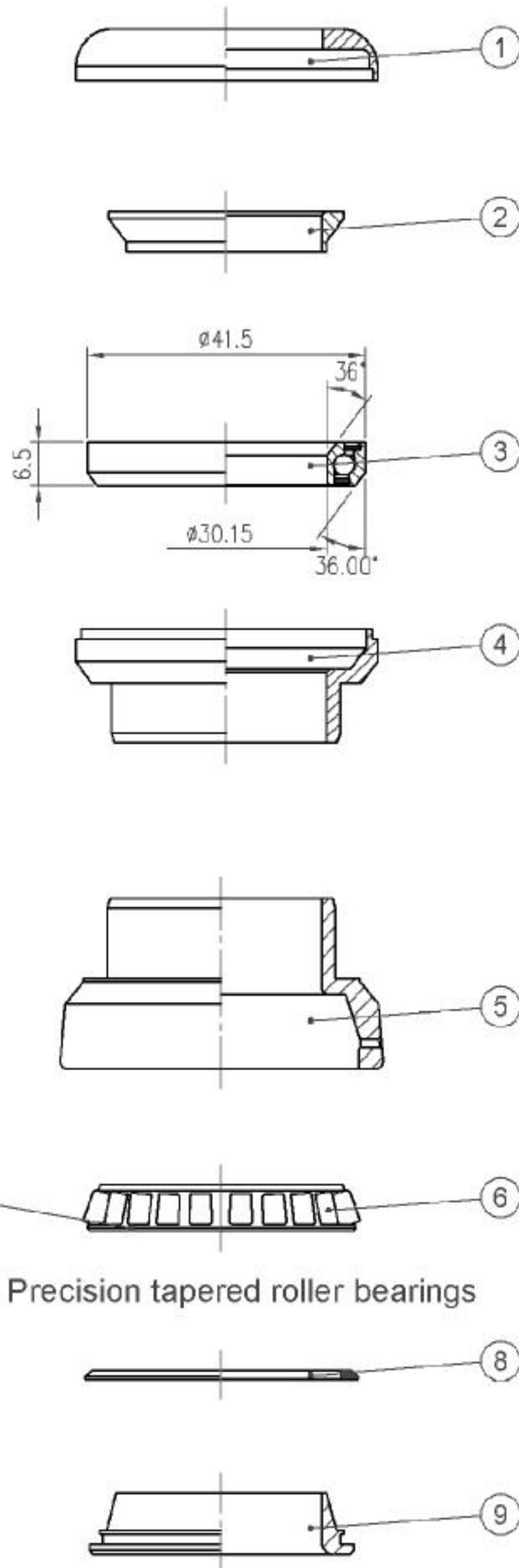
Stack Height: 15+16=31

The Pig DH Pro (NO.15) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

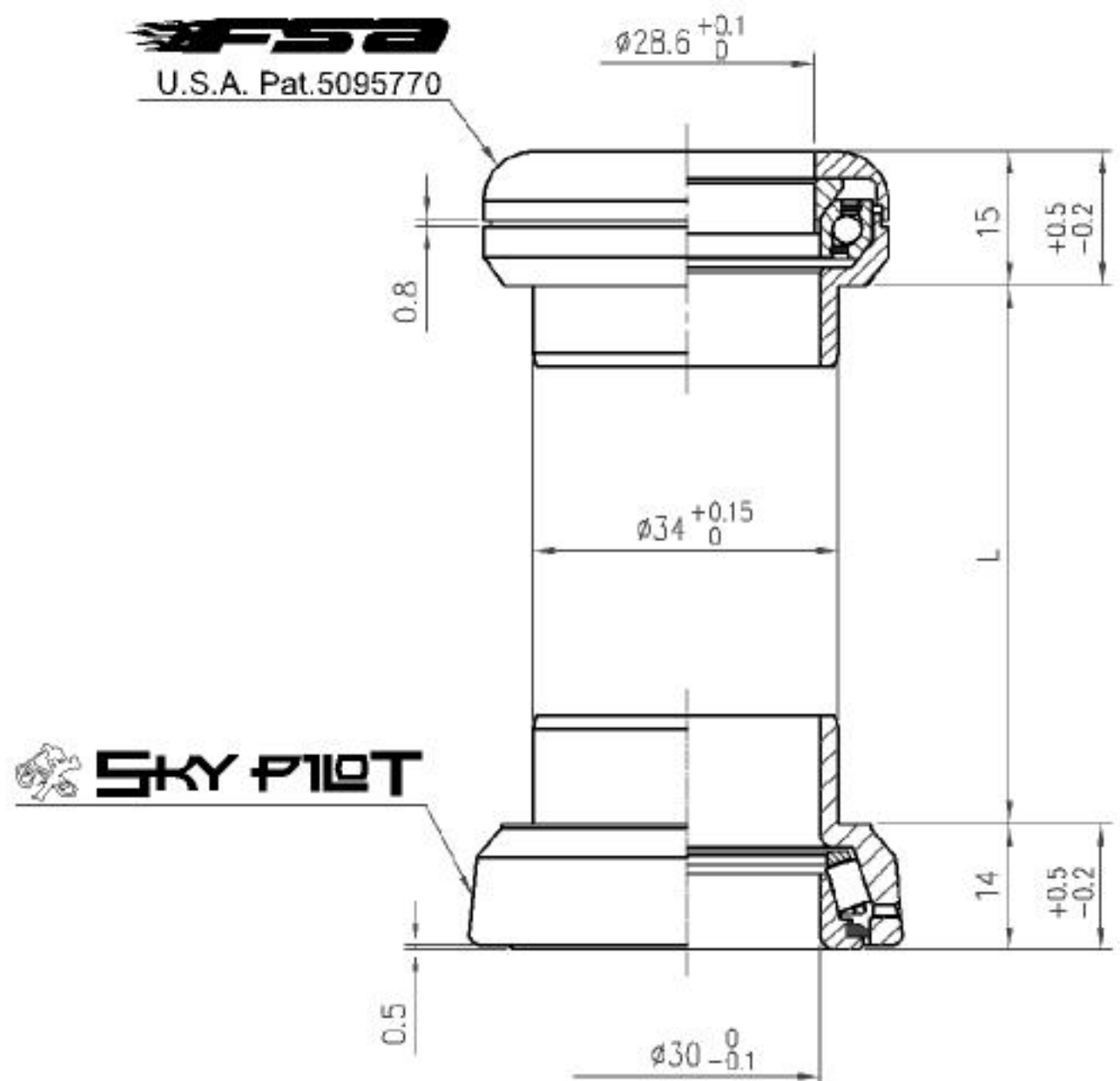
# 1-1/8"

## For BMX



Precision tapered roller bearings

- Forged chromoly lower cup
- 6061/T6 upper cup
- Precision tapered roller bearings(lower)
- Grease port for lower bearing
- TH brand 36 degree micro angular contact bearing(upper)
- Forged chromoly crown race
- Gyro compatible
- Weight - 145 grams



No	Item No	Material	Qty
⑨	H6034 {NO.24-6}	CrMo	1PCS
⑧	MS022 {500-5}	Rubber	1PCS
⑦	MR039 {7430N}	Nylon	1PCS
⑥	MR038 {7430N}	Chrome steel	18PCS
⑤	H5051	CrMo	1PCS
④	H4069	6061 / T6	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2061	6061 / T6	1PCS

Stack Height: 15+14=29

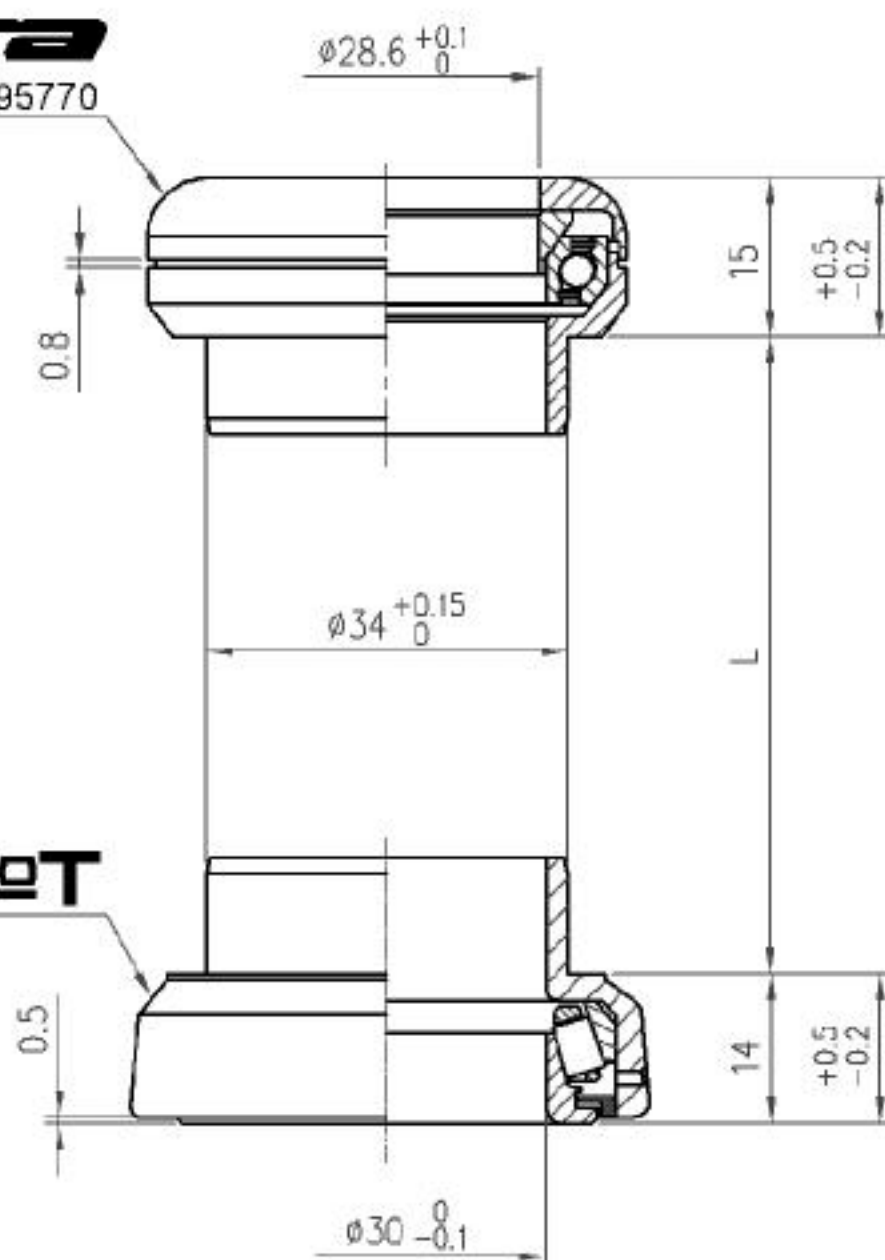
Sky Pilot (NO.24) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

1-1/8"

For BMX


  
U.S.A. Pat. 5095770

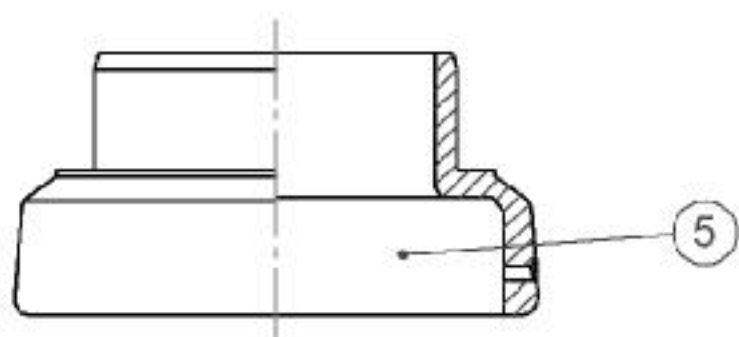
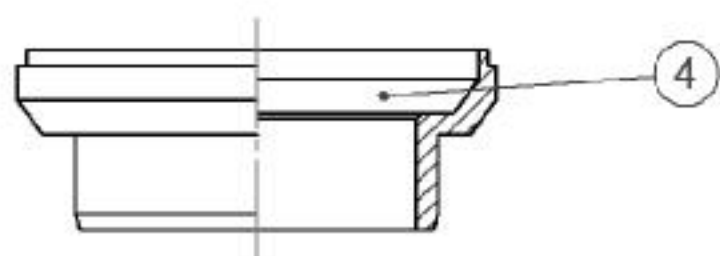
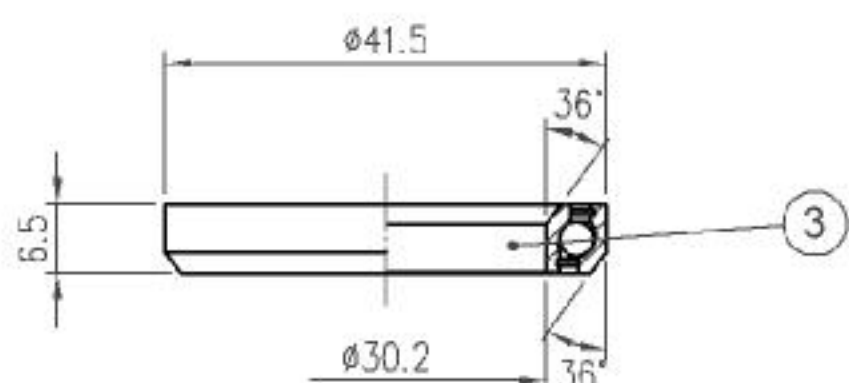
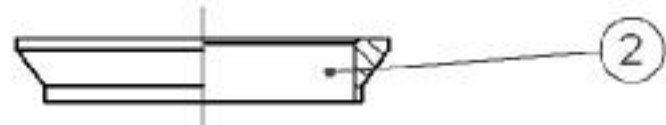



No	Item No	Material	Qty
⑩	H6034 {NO.24-6}	CrMo	1PCS
⑨	MS020 {865-4.6}	Rubber	1PCS
⑧	MR039 {7430N}	Nylon	1PCS
⑦	MR038 {7430N}	Chrome steel	18PCS
⑥	H7024	CrMo	1PCS
⑤	H5052	6061 / T6	1PCS
④	H4069	6061 / T6	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2061	6061 / T6	1PCS

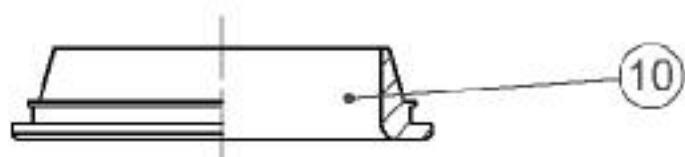
Stack Height: 15+14=29

Sky Pilot Pro (NO.25) 1-1/8"

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.



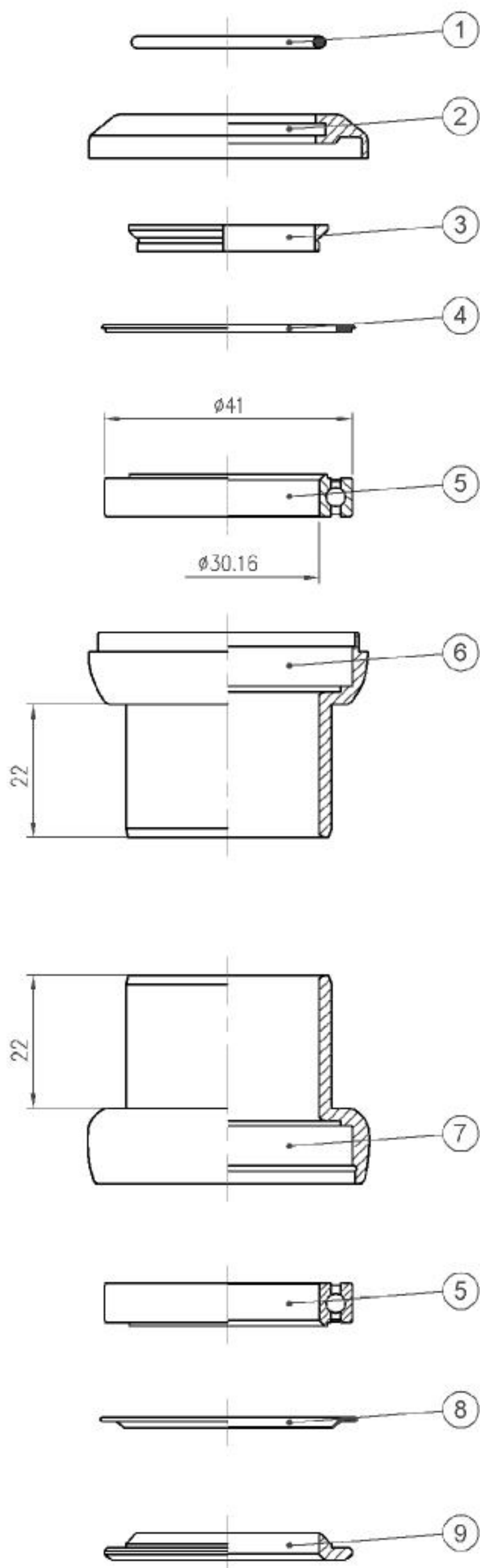
Precision tapered roller bearings



- Forged 7075/T6 aluminum lower cup
- 6061/T6 upper cup
- Precision tapered roller bearings(lower)
- Grease port for lower bearing
- TH brand 36 degree micro angular contact bearing(upper)
- Forged chromoly crown race
- Gyro compatible
- Weight - 102 grams



## Deep Cup Version



- 22mm deep aluminum cups
- New stainless steel Angular Contact Bearings
- Stainless steel crown race
- Weight - 125 grams(1-1/8")

# 1-1/8"

## Industrial Bearing

### 6061 / T6



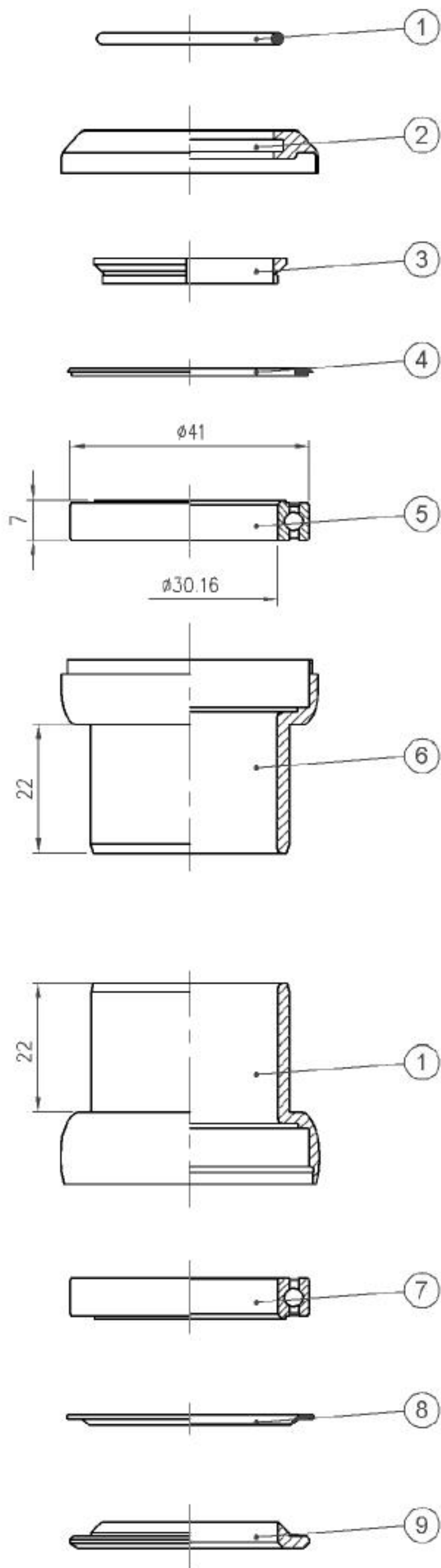
No	Item No	Material	Qty
⑨	H6012 {NO.12-6}	Stainless	1PCS
⑧	MS087	Rubber	1PCS
⑦	H5057 {NO.12/22-5}	6061 / T6	1PCS
⑥	H4089 {NO.12/22-4}	6061 / T6	1PCS
⑤	MR062 {874S}	Stainless	2PCS
④	MS018 {800-4-6}	Rubber	1PCS
③	H2096 {NO.12-2}	Stainless	1PCS
②	H3067 {NO.12-3}	6061 / T6	1PCS
①	MS053	Rubber	1PCS

Stack Height: 16.4+13.5=29.9

Orbit Xtreme Pro (NO.12/22/AL) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

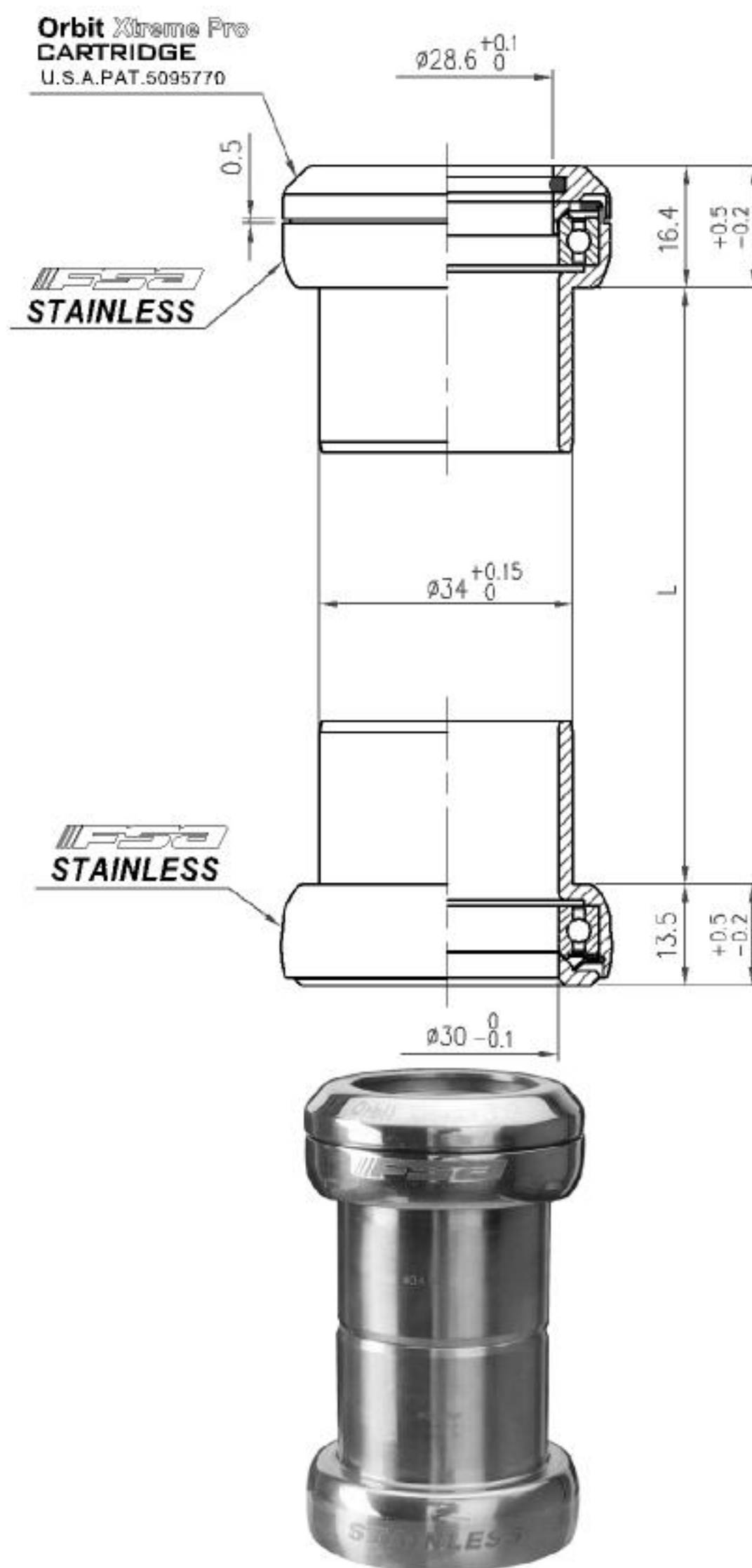
## Deep Cup Version



- 22mm deep stainless cups
- New stainless steel Angular Contact Bearings
- Stainless steel crown race
- Weight - 205 grams(1-1/8")

# 1-1/8"

## Industrial Bearing Stainless Steel



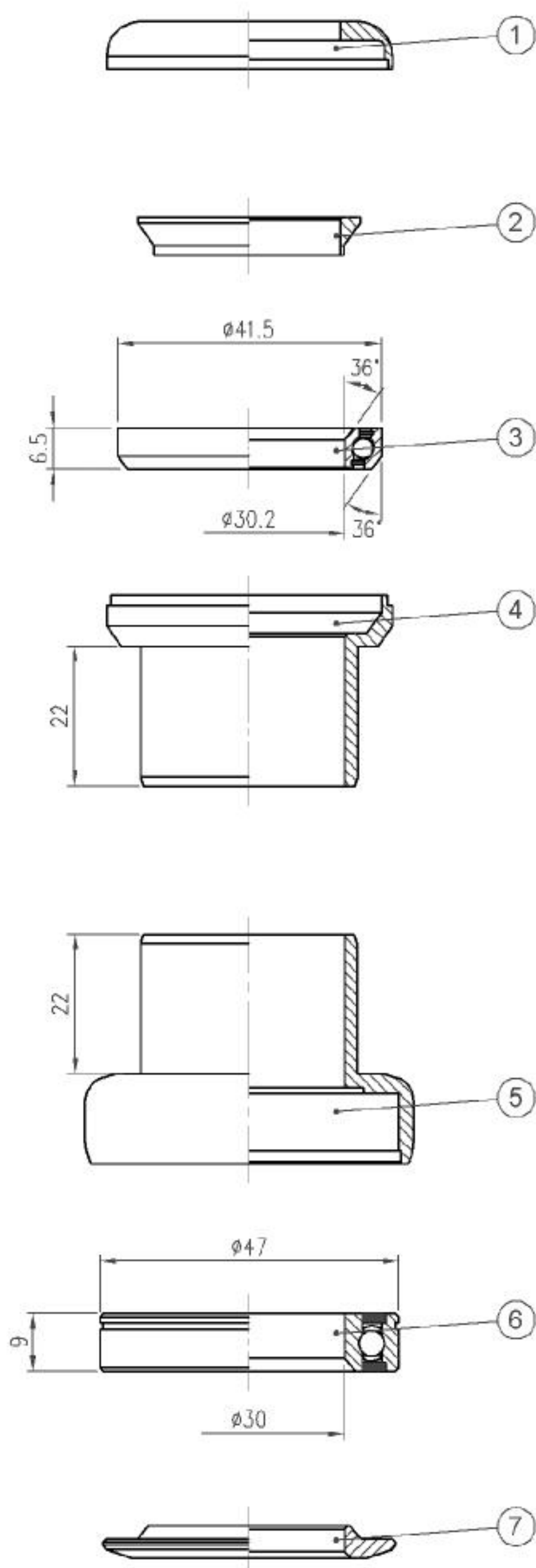
No	Item No	Material	Qty
⑨	H6012 {NO.12-6}	Stainless	1PCS
⑧	MS087	Rubber	1PCS
⑦	H5054 {NO.12/22/ST-5}	Stainless	1PCS
⑥	H4083 {NO.12/22/ST-4}	Stainless	1PCS
⑤	MR062 {874S}	Stainless	2PCS
④	MS018 {800-4-6}	Rubber	1PCS
③	H2096 {NO.12-2}	Stainless	1PCS
②	H2136 {NO.12/ST-2}	Stainless	1PCS
①	MS053	Rubber	1PCS

Stack Height: 16.4+13.5=29.9

Orbit Xtreme Pro (NO.12/22/ST) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

## Deep Cup Version

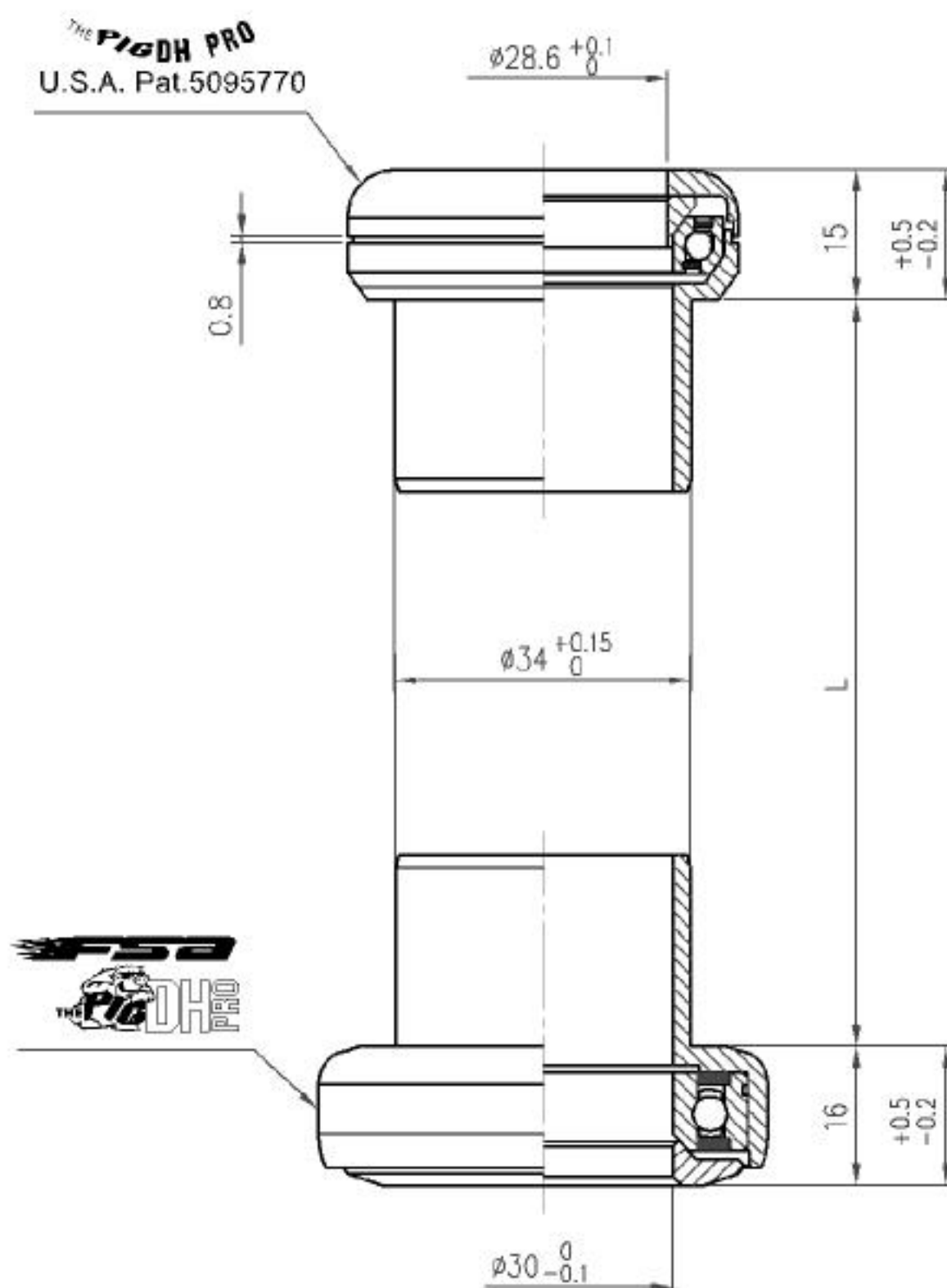


- 22mm deep 6061/T6 aluminum upper cup
- 22mm deep chromly lower cup
- Industrial cartridge sealed lower bearings
- Forged chromoly crown race
- Gyro compatible
- Weight - 180 grams

# 1-1/8"

## ACB/Industrial Bearing

### 6061 / T6



No	Item No	Material	Qty
⑦	H6015	Steel	1PCS
⑥	MR029 {6906-2RS}	Chrome steel	1PCS
⑤	H5056 {NO.15/22-5}	Steel	1PCS
④	H4090 {NO.15/22-4}	6061 / T6	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2143	6061 / T6	1PCS

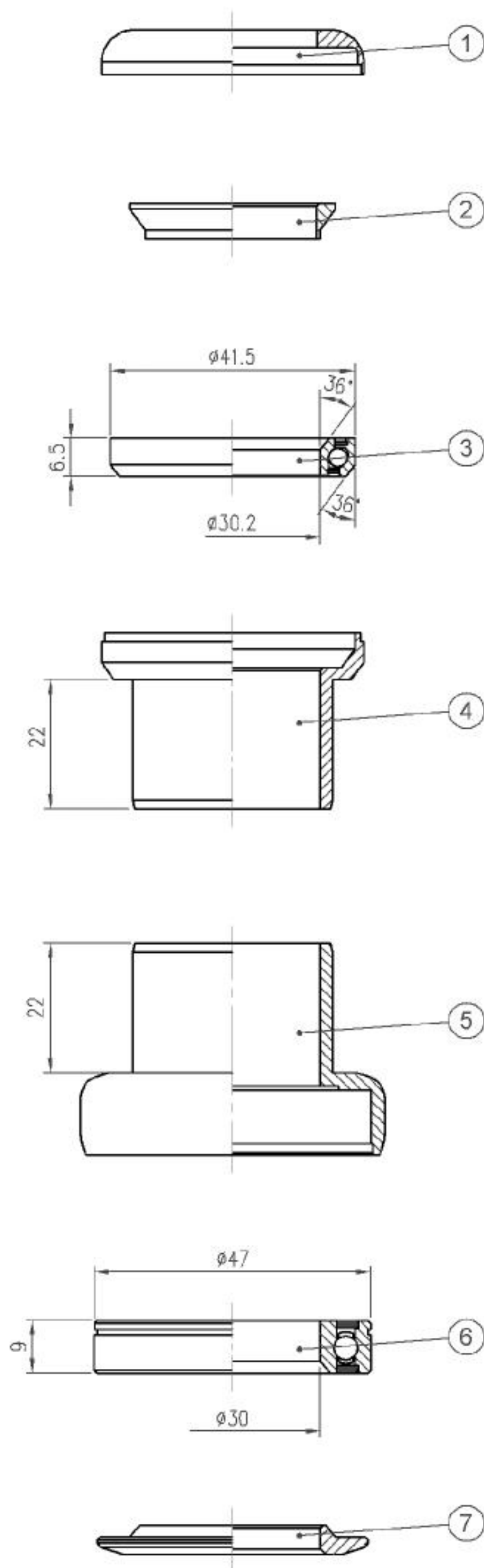
Stack Height: 15+16=31

The Pig DH Pro (NO.15/22/AL) 1-1/8"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



## Deep Cup Version



- 22mm deep stainless cups
- Industrial cartridge sealed lower bearings
- Forged chromoly crown race
- Gyro compatible
- Weight - 220 grams

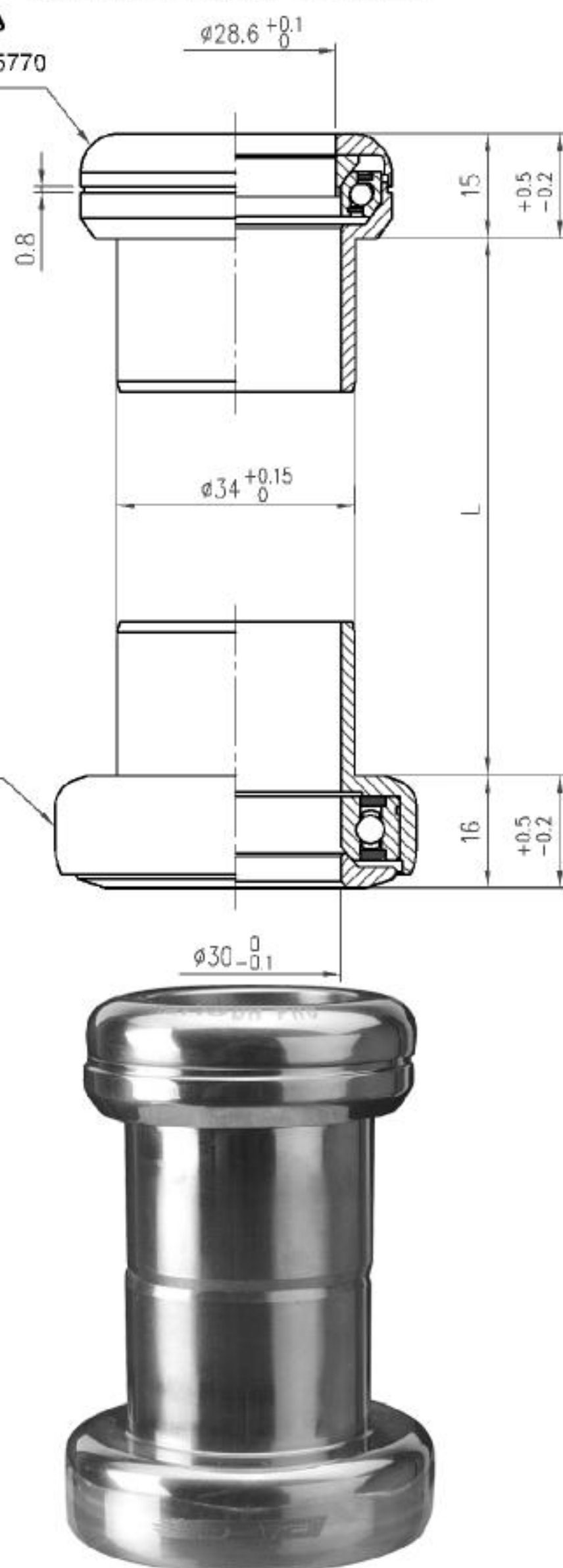
# 1-1/8"

## ACB/Industrial Bearing

## Stainless Steel

THE PIG DH PRO  
U.S.A. Pat. 5095770

FSB  
THE PIG DH PRO

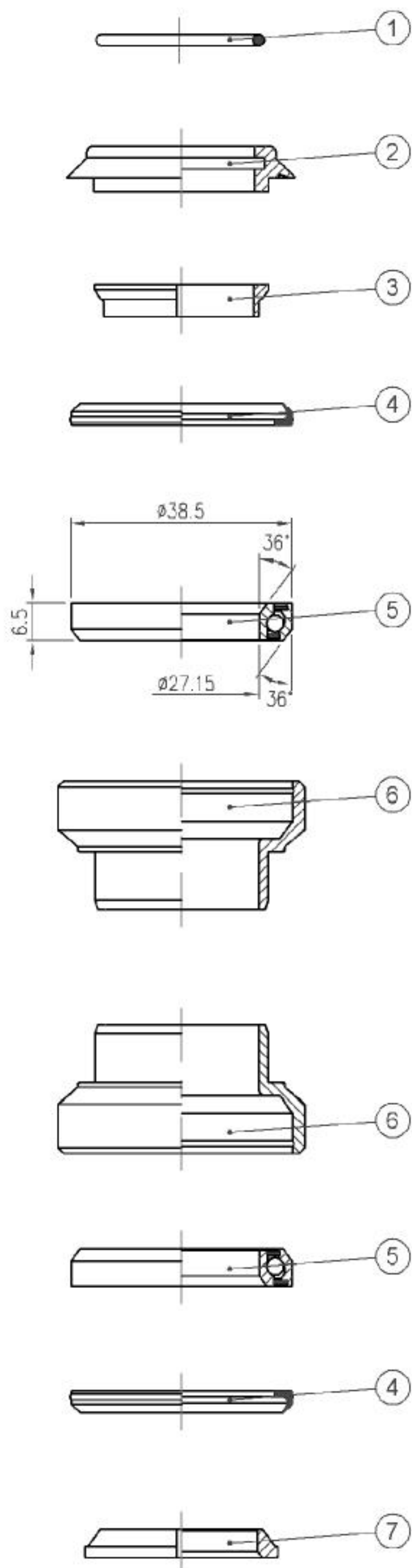


No	Item No	Material	Qty
⑦	H6015	Stainless	1PCS
⑥	MR029 {6906-2RS}	Chrome steel	1PCS
⑤	H5056 {NO.15/22-5}	Stainless	1PCS
④	H4092 {NO.15/22-4}	Stainless	1PCS
③	MR049 {872-2RS}	Chrome steel	1PCS
②	H2036 {NO.5-2}	6061 / T6	1PCS
①	H2143	Stainless	1PCS

Stack Height: 15+16=31

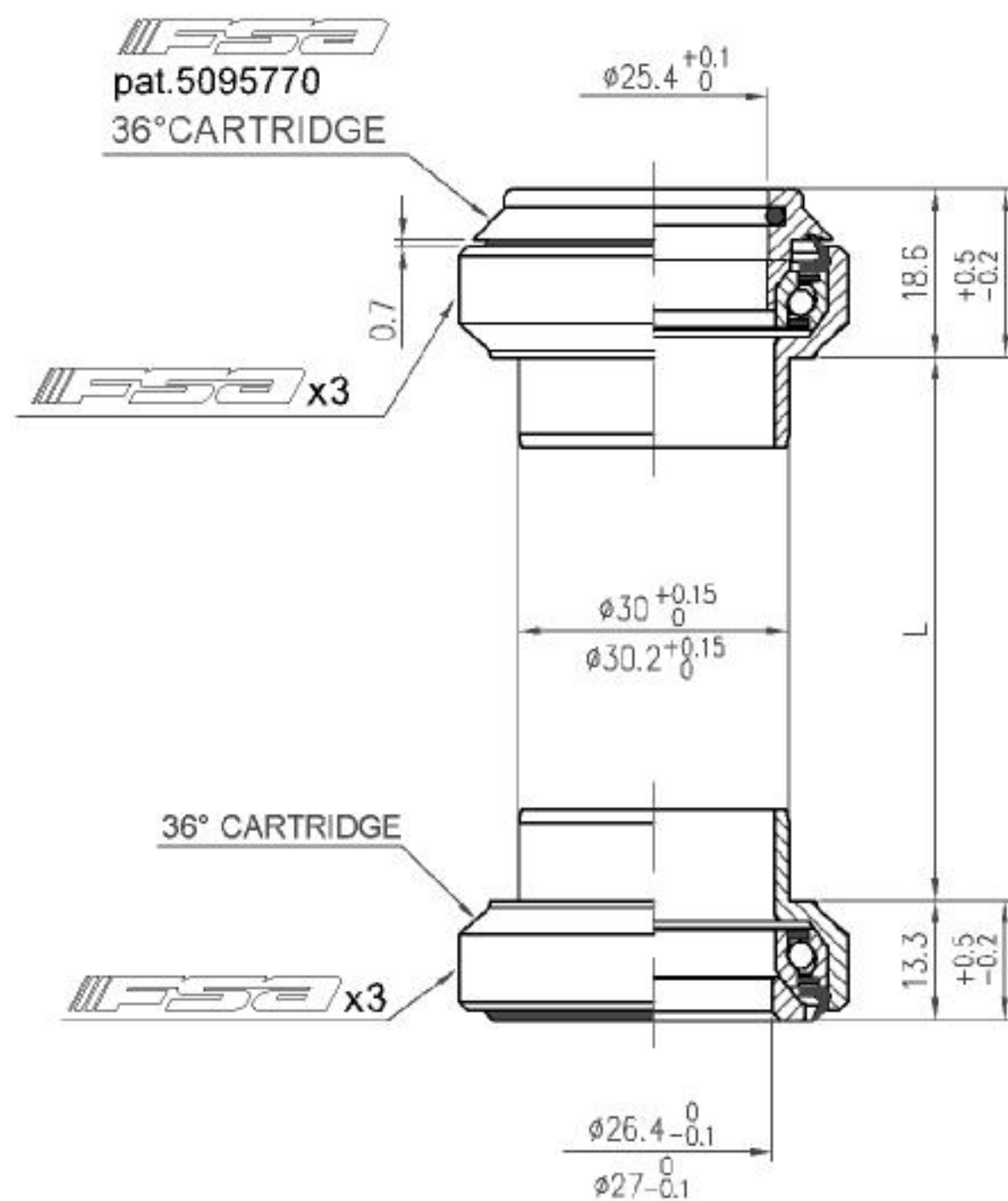
The Pig DH Pro (NO.15/22/ST) 1-1/8"

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.



- Forged and CNC machined 6061/T6 aluminum cups
- TH Brand 36 degree Micro Angular Contact Bearings
- 7075 aluminum crown race
- Weight - 95 grams(1-1/8")

1-1/8"  
36°/36° ACB

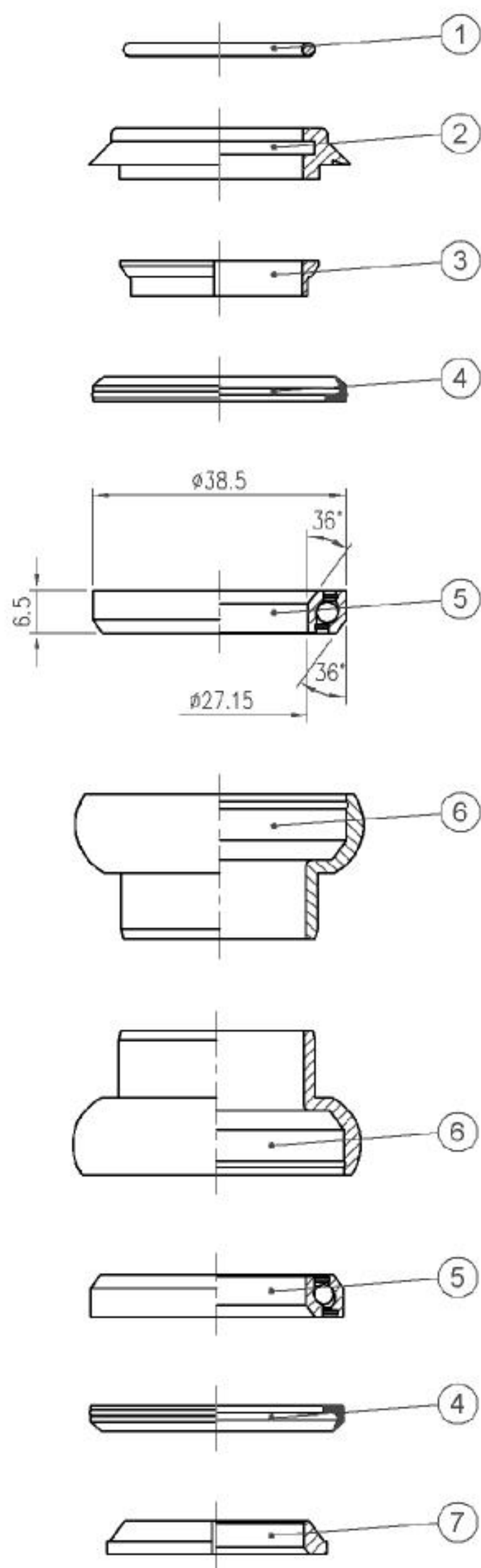


No	Item No	Material	Qty
⑦	H6035 {ORBIT-X-6}	7075 / T6	1PCS
⑥	H4022 {NO.20A-4-5}	6061 / T6	2PCS
⑤	MR050 {372-2RS}	Chrome Steel	2PCS
④	MS091 {Duron X}	Rubber	2PCS
③	H2047 {WCS-1"-2}	6061 / T6	1PCS
②	H2086 {ORBIT-X-3}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 18.6+13.3=31.9

Orbit MX (NO.20A) 1"

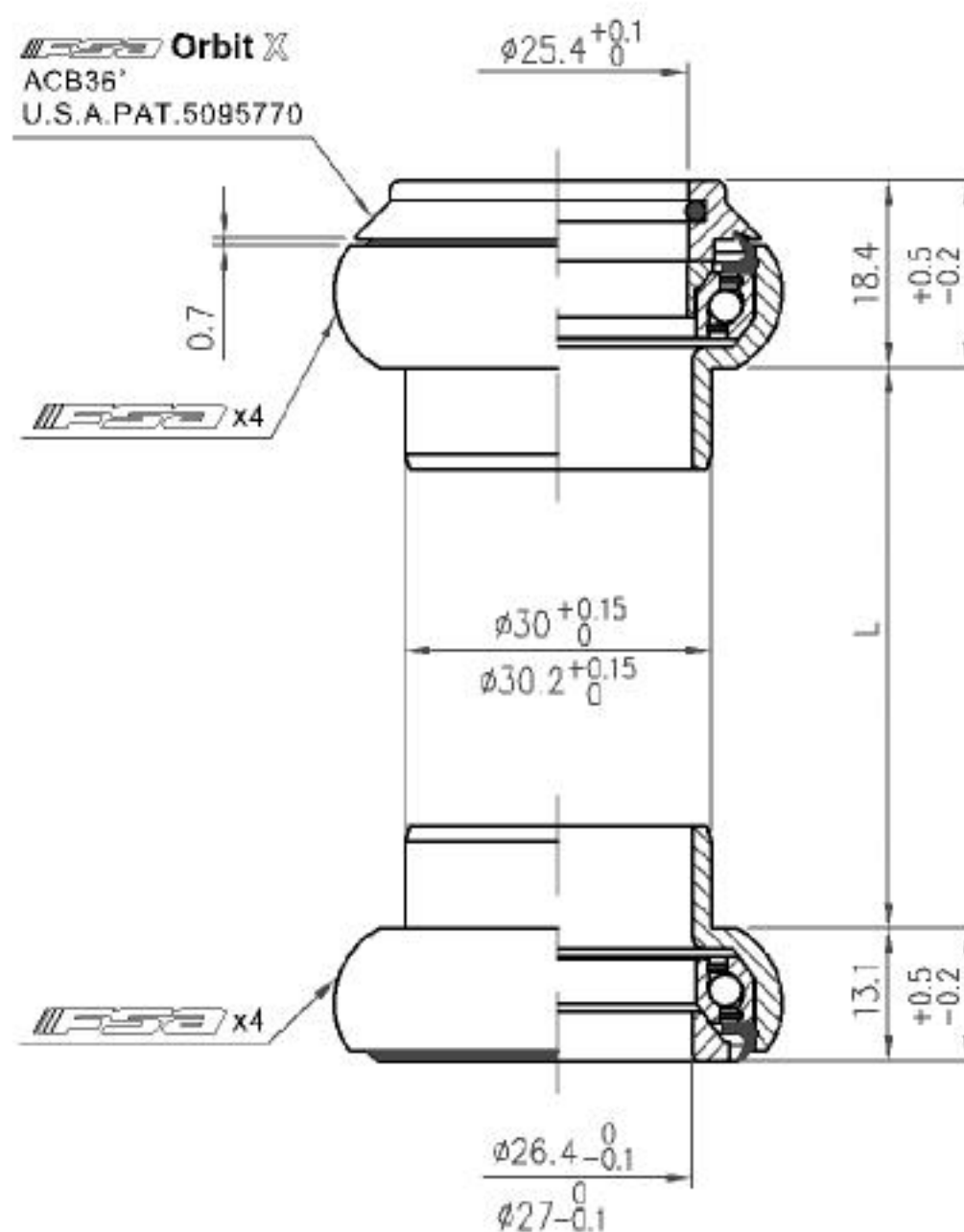
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.



- Classic shape with modern styling for high-end road bikes
- Forged and CNC machined 6061/T6 aluminum cups
- TH brand 36 degree Micro Angular Contact Bearing(red seal)
- 7075/T6 crown race
- Weight - 82 grams(1")

1"

36°/36° ACB



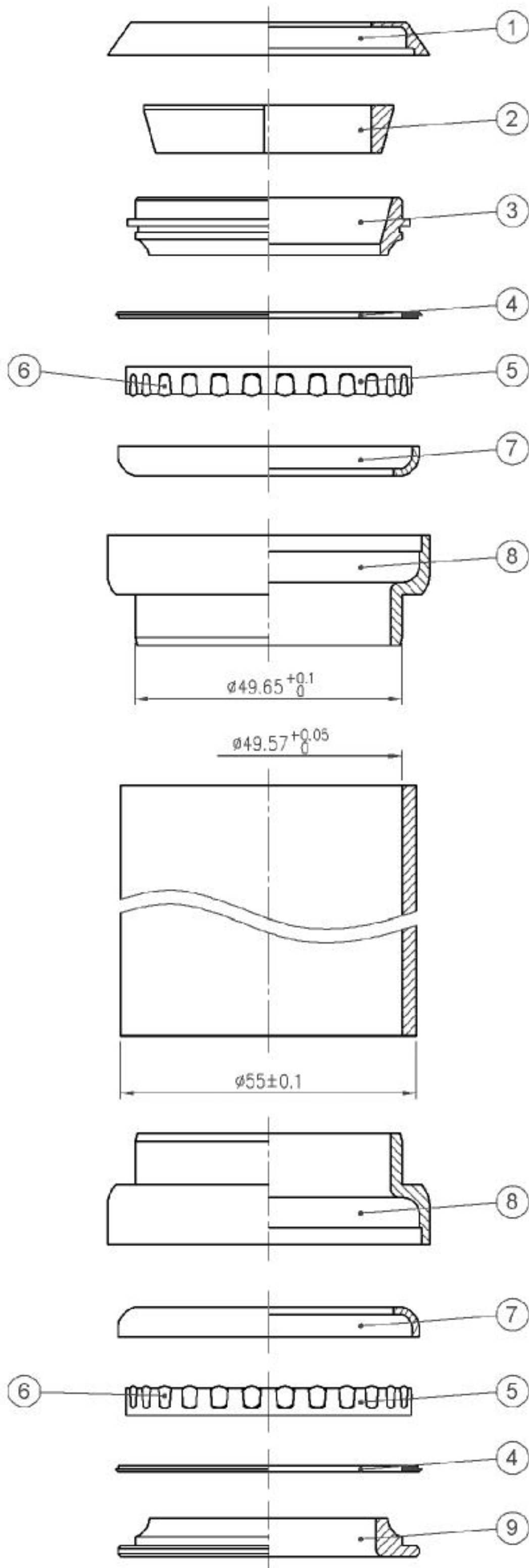
No	Item No	Material	Qty
⑦	H6035 {ORBIT-X-6}	7075 / T6	1PCS
⑥	H4071 {ORBIT-X-4-5}	6061 / T6	2PCS
⑤	MR050 {372-2RS}	Chrome Steel	2PCS
④	MS091 {Duron X}	Rubber	2PCS
③	H2047 {WCS-1"-2}	6061 / T6	1PCS
②	H2086 {ORBIT-X-3}	6061 / T6	1PCS
①	MS034 {800}	Rubber	1PCS

Stack Height: 18.4+13.1=31.5

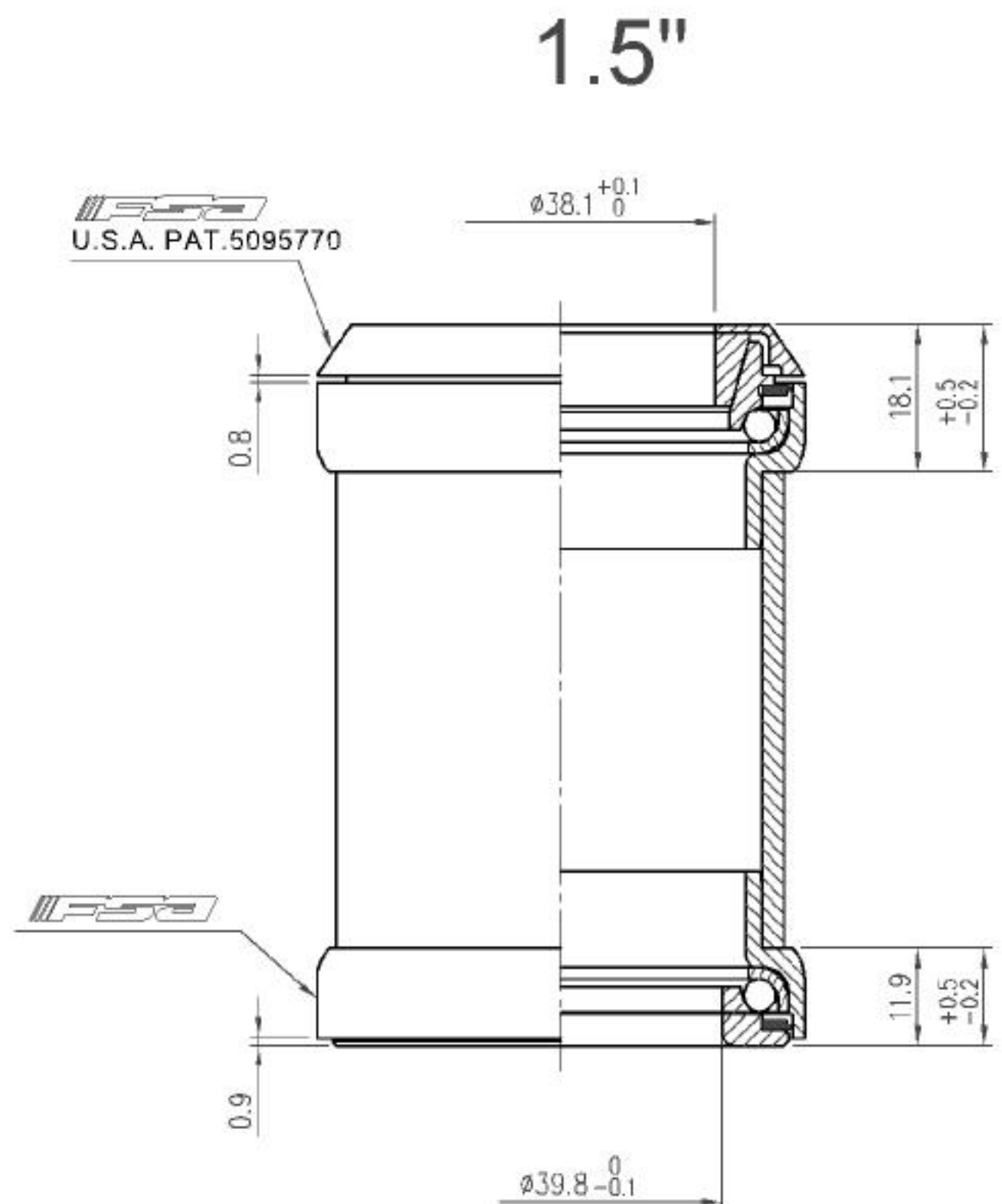
Orbit X (1")

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- New taller top cover design
- Aluminum cups
- $\Phi 5/32"$  x 26 balls
- Weight - 220 grams

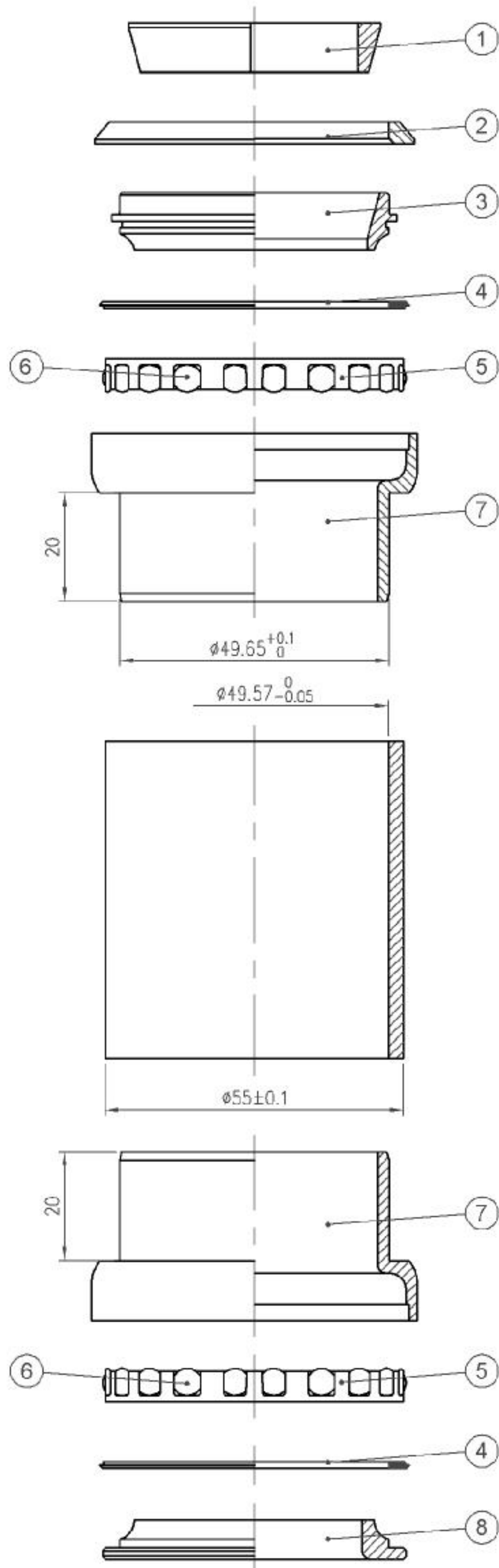


No	Item No	Material	Qty
⑨	H6050 {NO.7B-6}	Steel	1PCS
⑧	H4082 {NO.60AL-4-5}	6061 / T6	2PCS
⑦	H7037 {NO.60AL}	Steel	2PCS
⑥	MR001 { $\Phi 5/32"$ x 500#}	Steel	52PCS
⑤	MR071 { $\Phi 5/32"$ x 26}	Steel	2PCS
④	MS096 {NO.60-4-6}	Rubber	2PCS
③	H3083 {NO.60-3B}	Steel	1PCS
②	H2112 {NO.7B-2}	6061 / T6	1PCS
①	H2141	6061 / T6	1PCS

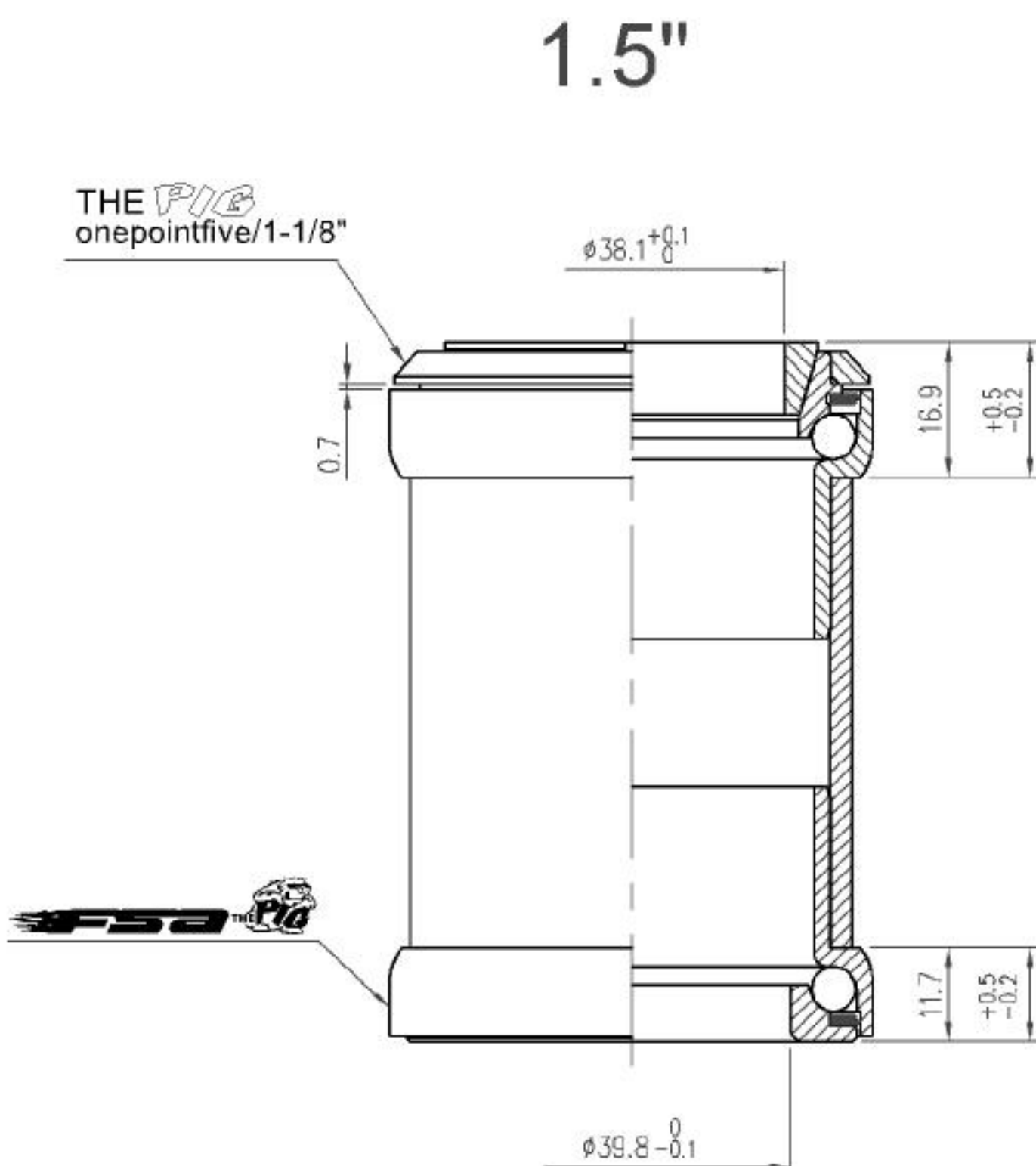
Stack Height:  $18.1 + 11.9 = 30$

Orbit DL 1.5" (NO.60AL-2) 1.5"

天心工業股份有限公司  
TH INDUSTRIES CO., LTD.



- Forged chromoly cups
- 21mm headtube insertion
- Super oversized  $\Phi 7/32"$  ball bearings
- Chromoly crown race
- Weight - 250 grams

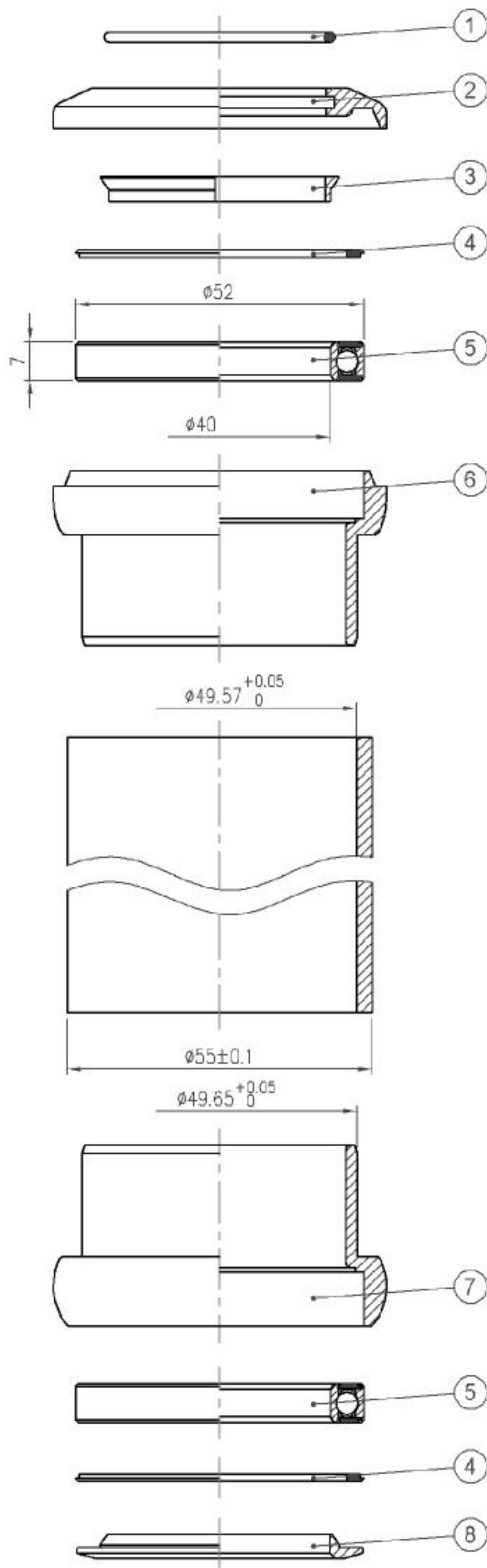


No	Item No	Material	Qty
⑧	H6050 {NO.7B-6}	Steel	1PCS
⑦	H4064 {NO.60-4-5}	Steel	2PCS
⑥	MR005 { $\Phi 7/32"$ x500#}	Chrome steel	40PCS
⑤	MR068 { $\Phi 7/32"$ x20}	Steel	2PCS
④	MS096 {NO.60-4-6}	Rubber	2PCS
③	MS096 {NO.60-4-6}	Steel	1PCS
②	H3082 {NO.60-3A}	6061 / T6	1PCS
①	H2112 {NO.7B-2}	6061 / T6	1PCS

Stack Height: 16.9+11.7=28.6

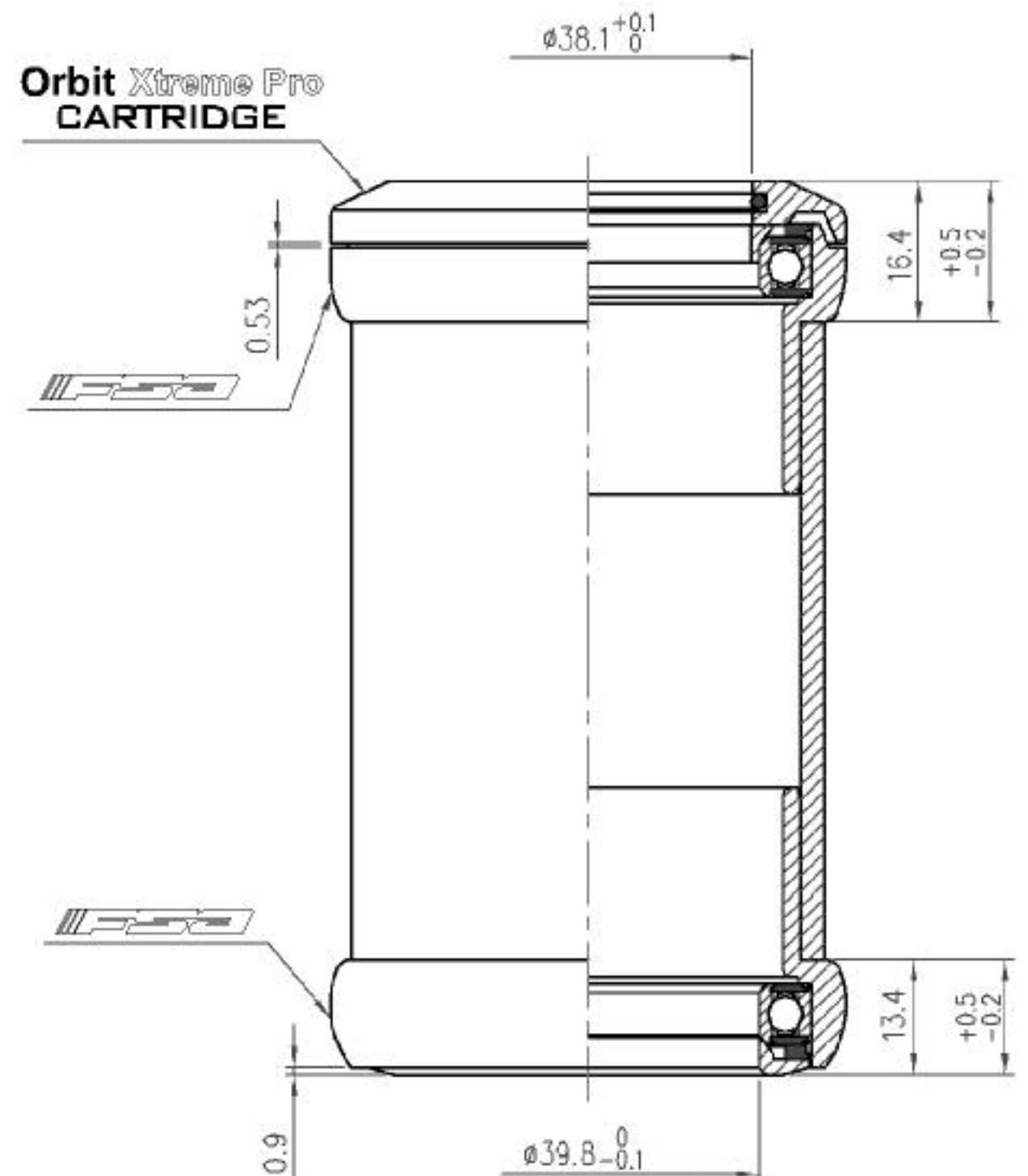
The Big Fat Pig (NO.7B) 1.5"

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.



- Forged and CNC machined 7075/T6 aluminum cups
- 21mm headtube insertion
- Industrial cartridge sealed bearings
- Stainless steel crown race
- Weight - 200 grams

## 1.5" Industrial bearing



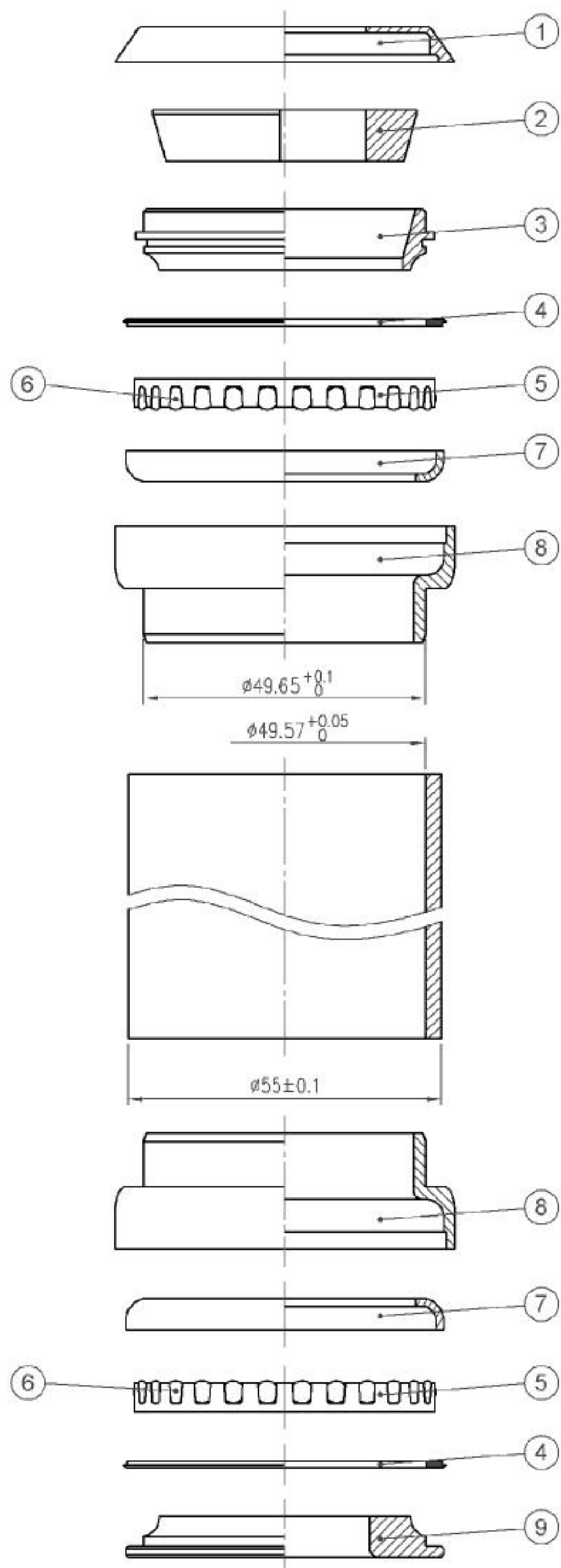
No	Item No	Material	Qty
⑧	H6049 {NO.12B-6}	Stainless	1PCS
⑦	H5053 {NO.12B-5}	6061 / T6	1PCS
⑥	H4079 {NO.12B-4}	6061 / T6	1PCS
⑤	MR069 {NO.12B}	Chrome Steel	2PCS
④	MS110 {NO.12B}	Rubber	2PCS
③	H2111 {NO.12B-2}	Stainless	1PCS
②	H2110 {NO.12B-2}	6061 / T6	1PCS
①	MS109 {NO.12B}	Rubber	1PCS

Stack Height: 16.4+13.4=29.8

Orbit Xtreme Pro 1.5"(NO.12B) 1.5"

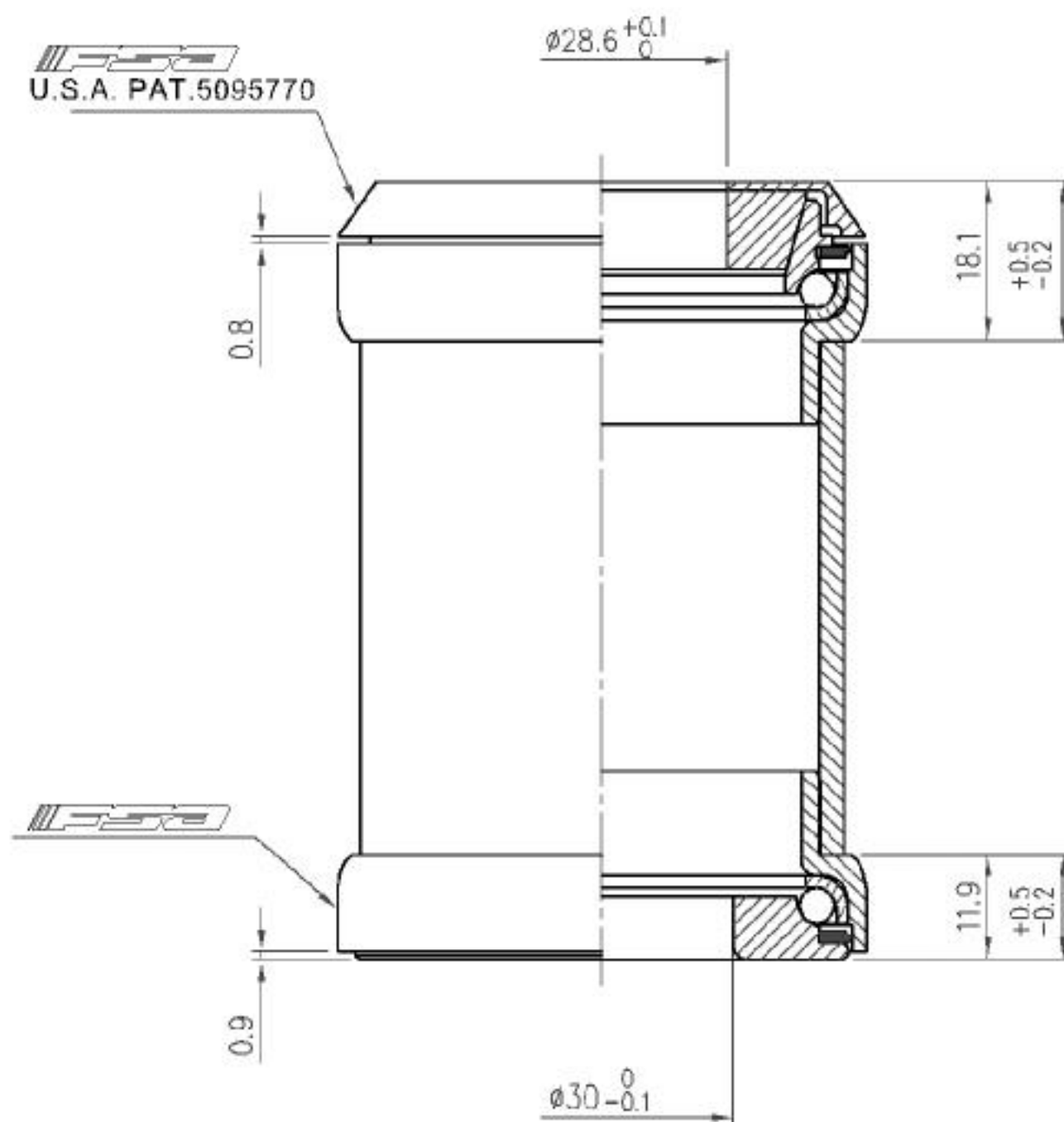
天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.





- Reduction design
- New taller top cover design
- Aluminum cups
- $\Phi 5/32"$  x 26 balls
- For 1.5" sized headtube and 1-1/8" steerer
- Weight - 240 grams

1.5"  
1-1/8" Fork

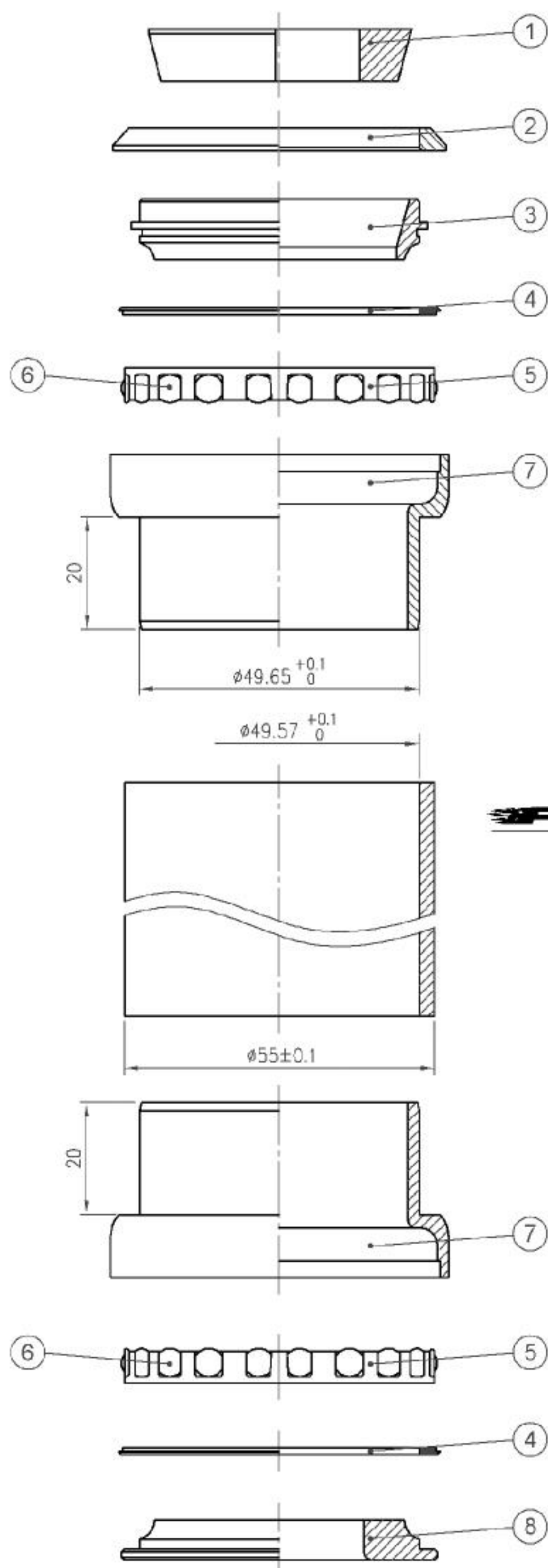


No	Item No	Material	Qty
⑨	H6051 {NO.60-6}	Steel	1PCS
⑧	H4082 {NO.60AL-4-5}	6061/T6	2PCS
⑦	H7037 {NO.60AL}	Steel	2PCS
⑥	MR001 { $\Phi 5/32"$ x 500#}	Steel	52PCS
⑤	MR071 { $\Phi 5/32"$ x 26}	Steel	2PCS
④	MS096 {NO.60-4~6}	Rubber	2PCS
③	H3083 {NO.60-3B}	Steel	1PCS
②	H2107 {NO.60-2}	6061 / T6	1PCS
①	H2139	6061 / T6	1PCS

Stack Height: 18.1+11.9=30

Orbit DL 1.5R(NO.60AL-1)

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TH INDUSTRIES CO.,LTD.

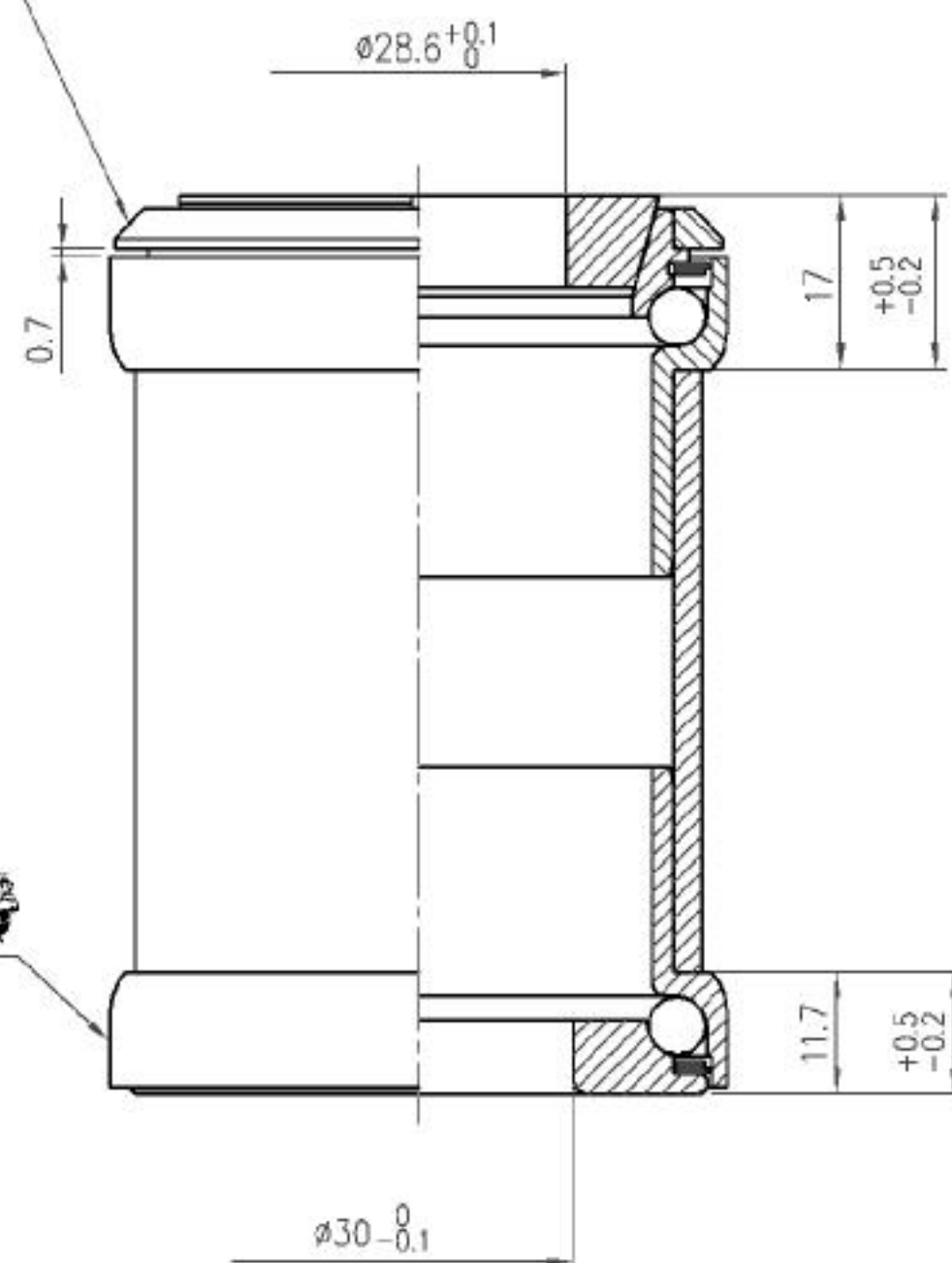


- Reduction design
- Forged chromoly cups
- 21mm headtude insertion
- Super oversized  $\Phi 1/4"$  ball bearings
- Chromoly crown race
- Weight - 250 grams

# 1.5"

## 1-1/8" Fork

THE *PiG* onepointfive/1-1/8"

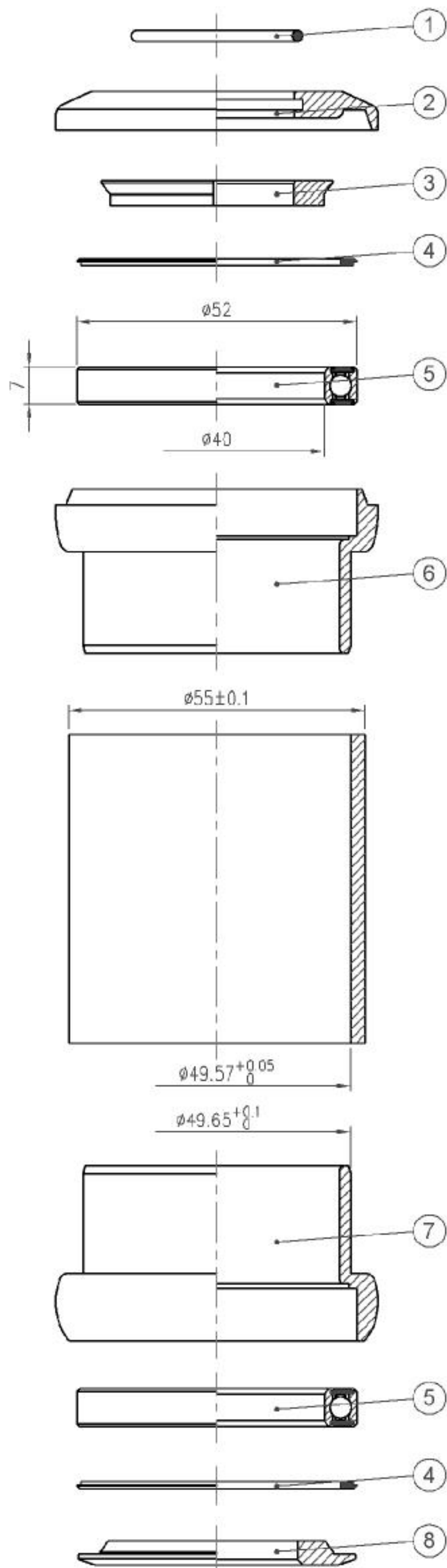


No	Item No	Material	Qty
⑧	H6051 {NO.60-6}	Steel	1PCS
⑦	H4064 {NO.60ST-4~5}	Steel	1PCS
⑥	MR005 { $\Phi 7/32"$ x500#}	Steel	1PCS
⑤	MR068 { $\Phi 7/32"$ x20}	Steel	2PCS
④	MS096 {NO.60-4~6}	Rubber	2PCS
③	H3083 {NO.60-3B}	Steel	1PCS
②	H3082 {NO.60-3A}	6061 / T6	1PCS
①	H2107 {NO.60-2}	6061 / T6	1PCS

Stack Height: 17+11.7=28.7

The Big Fat Pig 1.5R(NO.7BY) 1.5"

天心工業股份有限公司  
TH INDUSTRIES CO.,LTD.

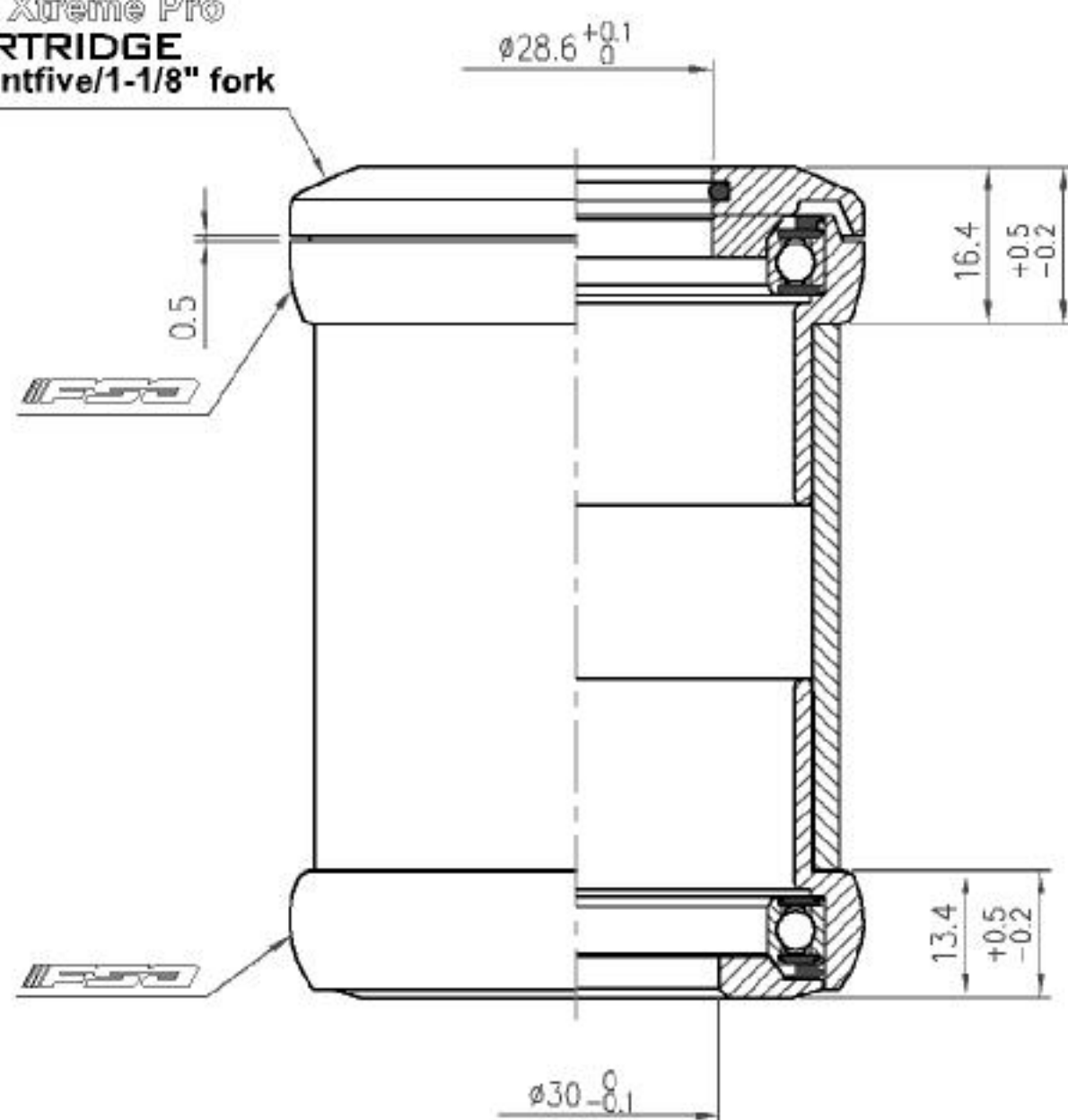


- Reduction design
- Forged and CNC machined 7075/T6 aluminum cups
- 21mm headtube insertion
- Industrial cartridge sealed bearings
- Stainless steel crown race
- Weight - 200 grams

# 1.5"

## 1-1/8" Fork

Orbit Xtreme Pro  
CARTRIDGE  
onepointfive/1-1/8" fork



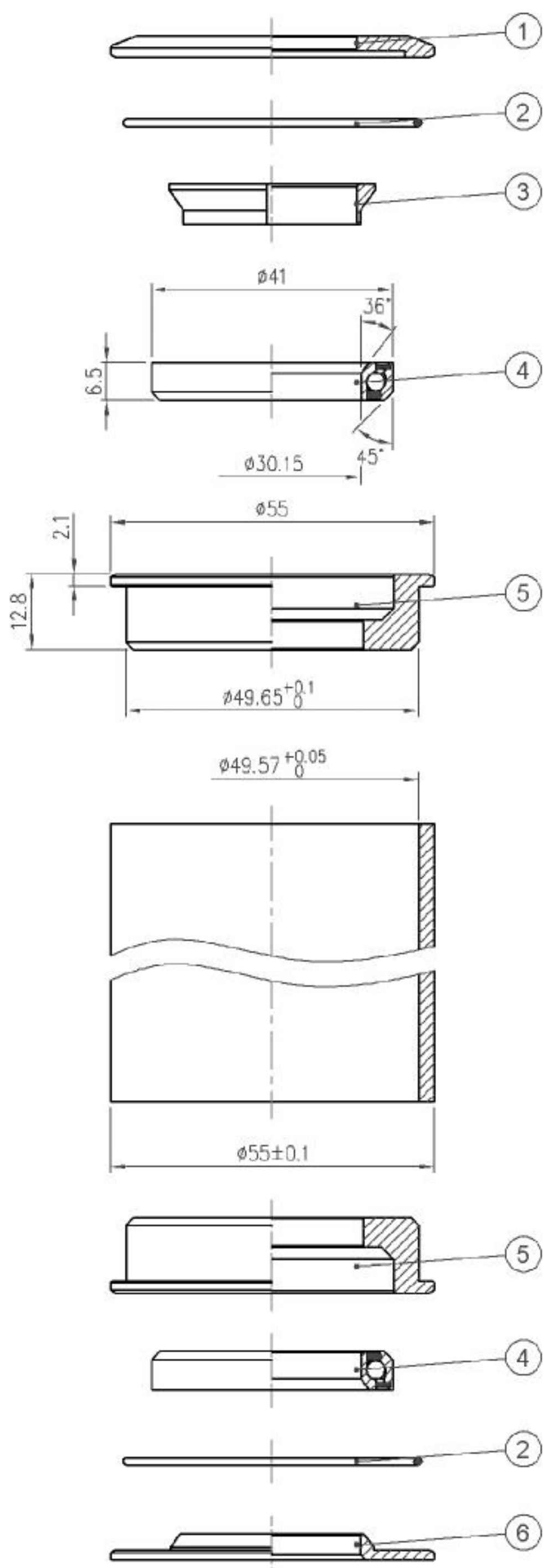
No	Item No	Material	Qty
⑧	H6059	Steel	1PCS
⑦	H5053 {NO.12B-5}	6061 / T6	1PCS
⑥	H4079 {NO.12B-4}	6061 / T6	1PCS
⑤	MR069 {NO.12B}	Chrome steel	2PCS
④	MS110 {NO.12B}	Rubber	2PCS
③	H2137 {NO.12BY-3}	6061 / T6	1PCS
②	H2130 {NO.12BY-2}	6061 / T6	1PCS
①	MS053 {872}	Rubber	1PCS

Stack Height: 16.4+13.4=29.8

Orbit Xtrem Pro 1.5R(NO.12BY) 1.5"

天心工業股份有限公司  
T H INDUSTRIES CO.,LTD.



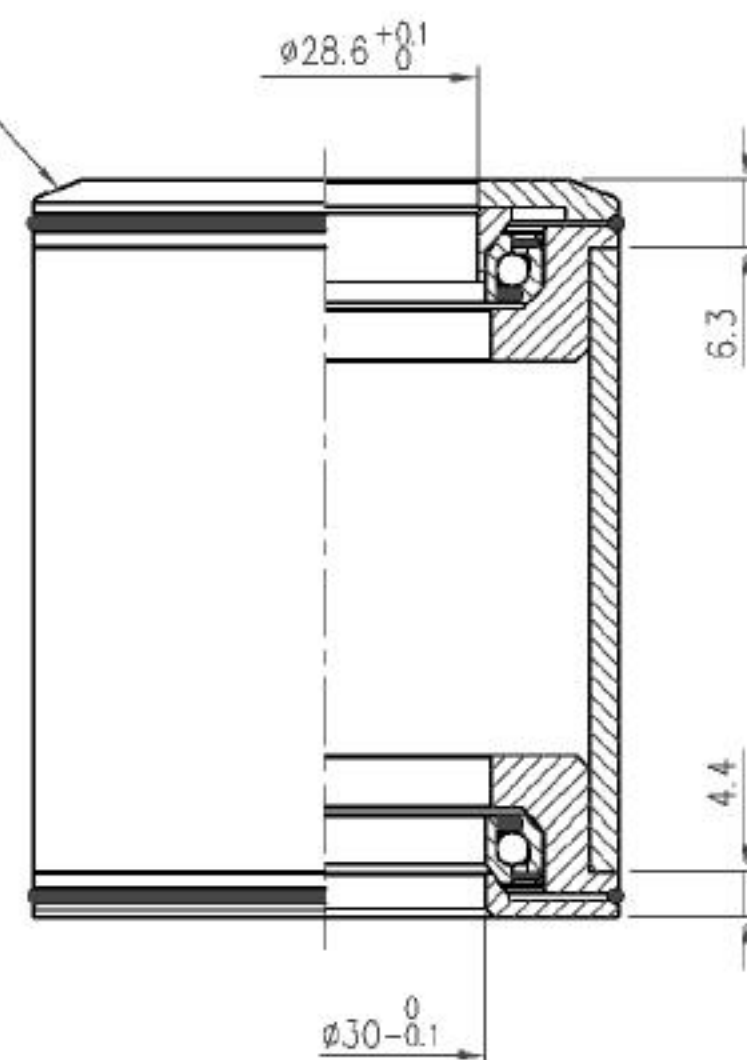


- Internal style headset
- For 1.5" OD headtube
- 1-1/8" steerer
- Alloy cups
- Angular Contact Bearings(Blue seal)

1.5"  
1-1/8" Fork  
36° / 45° ACB



**Orbit Z 1.5**  
U.S.A.PAT.5095770



No	Item No	Material	Qty
⑥	H6060	Steel	1PCS
⑤	H7043	6061 / T6	2PCS
④	MR054 {873-2RS}	Chrome steel	2PCS
③	H2036 {NO.5-2}	6061 / T6	1PCS
②	MS122	Rubber	2PCS
①	H2132	6061 / T6	1PCS

Stack Height:  $6.3 + 4.4 = 10.7$

Orbit Z 1.5R

天心工業股份有限公司  
TH INDUSTRIES CO., LTD.