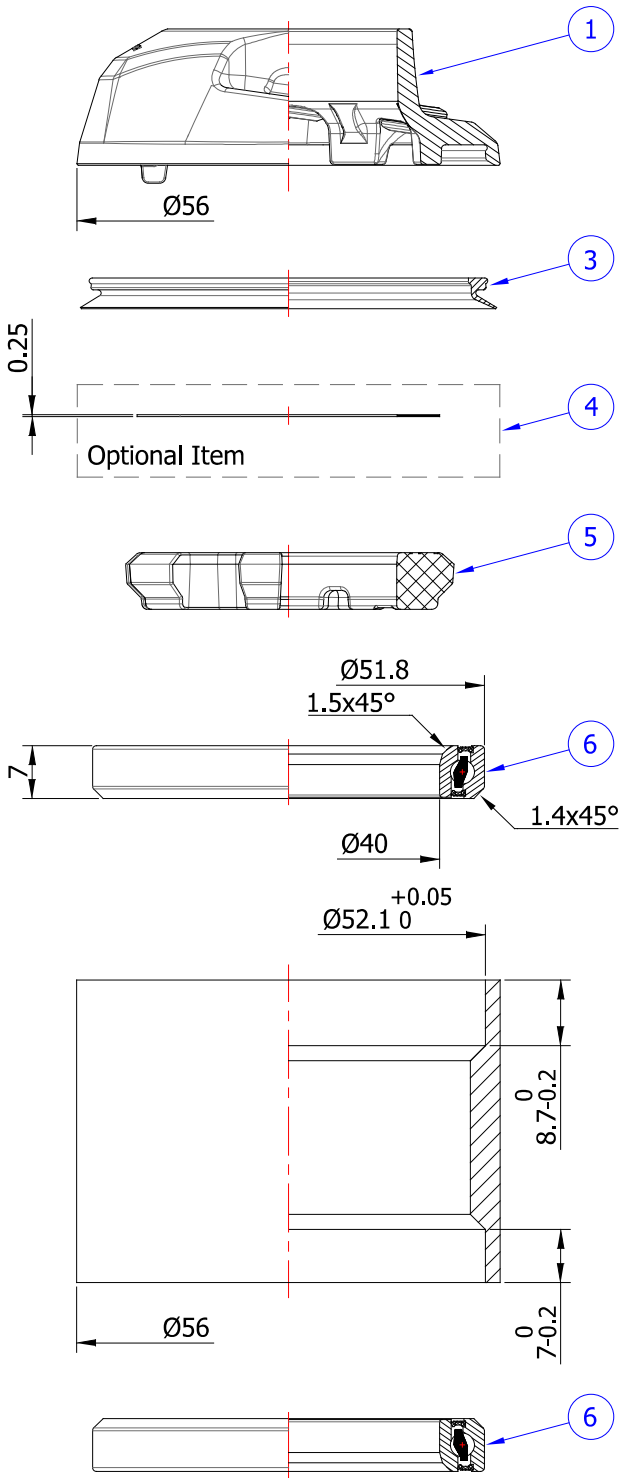
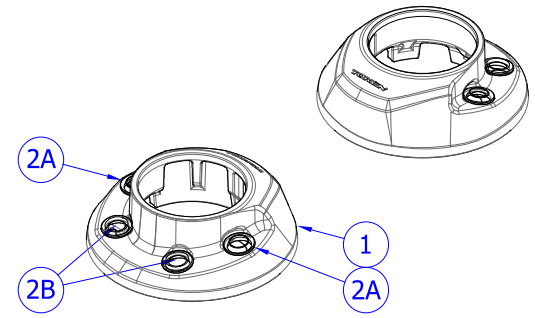
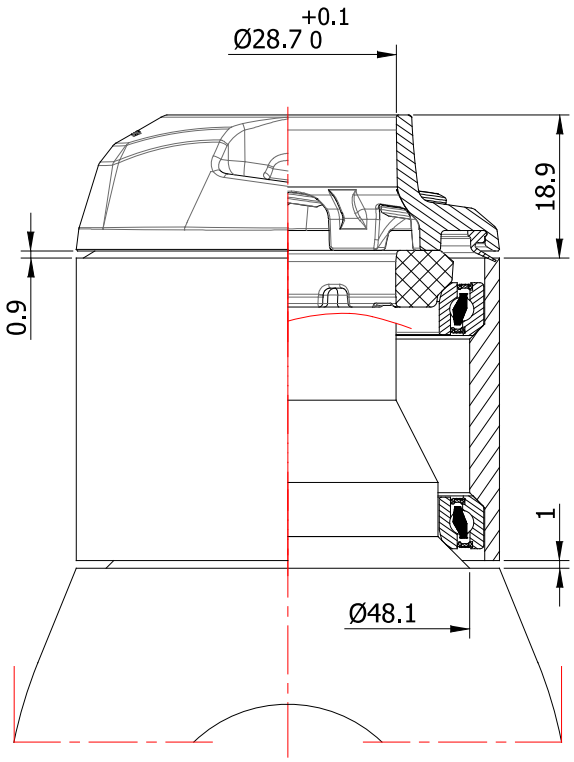
TOKEN HEADSET TECHNICAL MANUAL

TK155SP-CHHC
TK155SP-TS-CHHC

S-Box Headset
For ϕ4mm Housing x 2 + ϕ5mm Brake Line x 2
(TK155SP-TS-CHHC: With ⑤ Ti-Coated Bearings ACB52H7/4TS)







Stack Height: 18.9+1=19.9mm

SHIS code: IS52/28.6 I IS52/40

No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	2

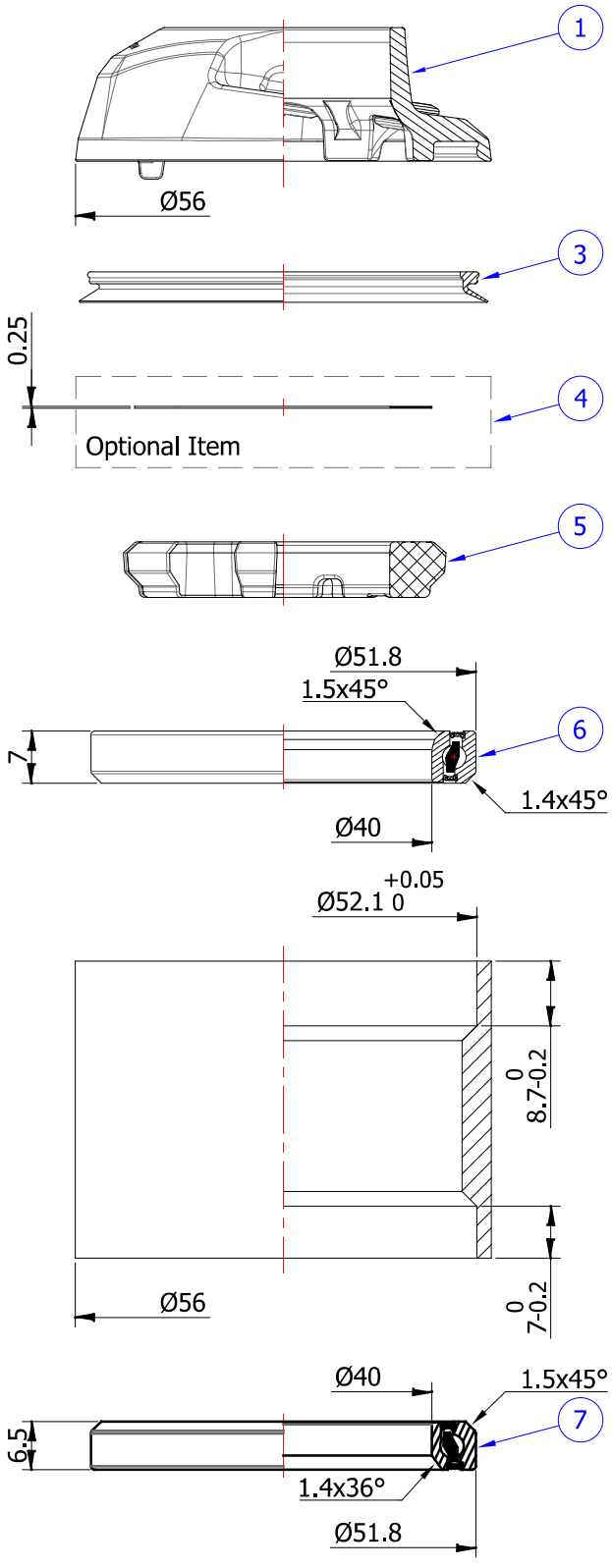
Engineer: Esther	Scale: 1 : 1	Revision 05
	Unit: mm	2024.11.28

NOTE - Unspecified tolerance = ±0.2

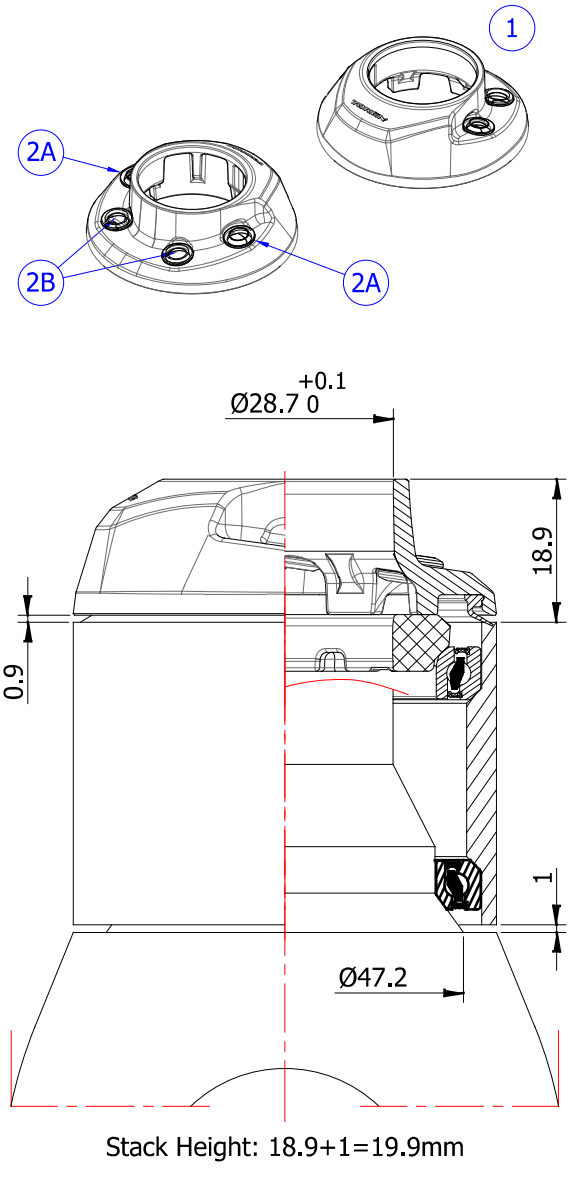
TOKEN HEADSET TECHNICAL MANUAL

TK155SP-36-CHHC

S-Box Headset
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 18.9+1=19.9mm

SHIS code: IS52/28.6 I IS52/40

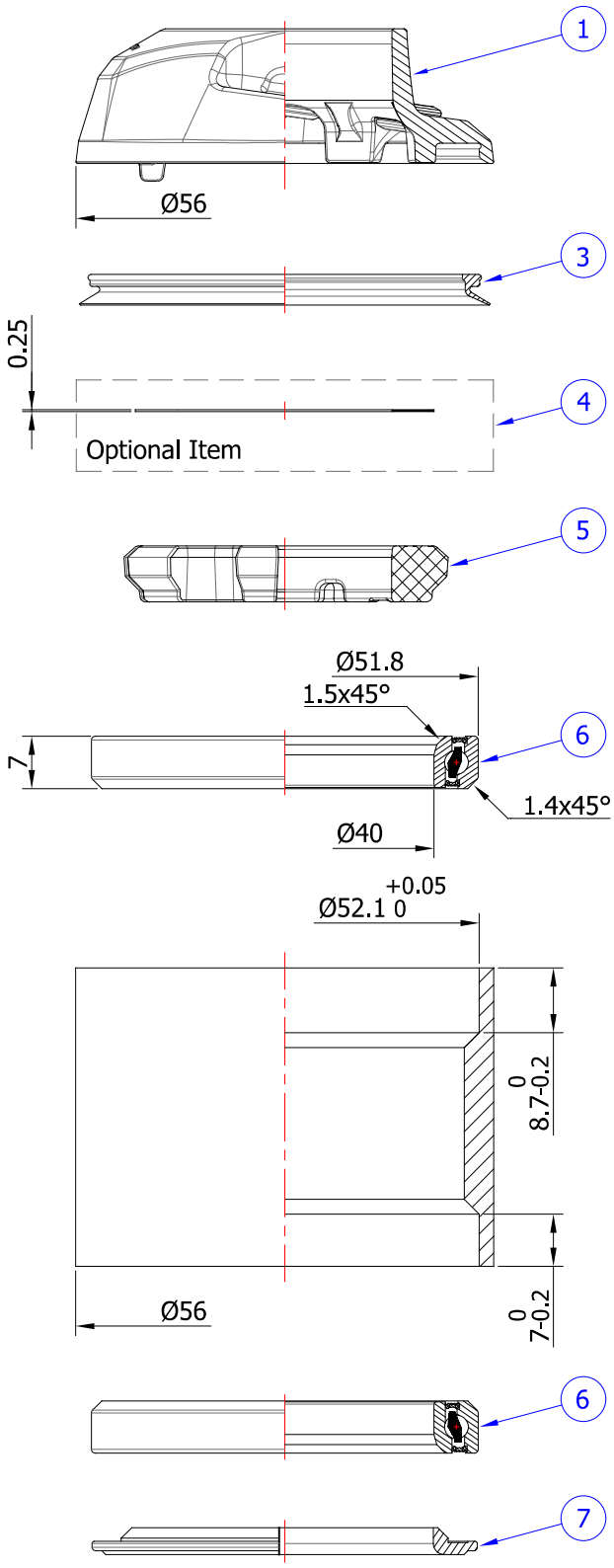
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	1
7	Premium Bearing	SUJ2	ACB518H6.5B	1

Engineer:	Scale: 1 : 1	Revision 02
Esther	Unit: mm	2024.11.28

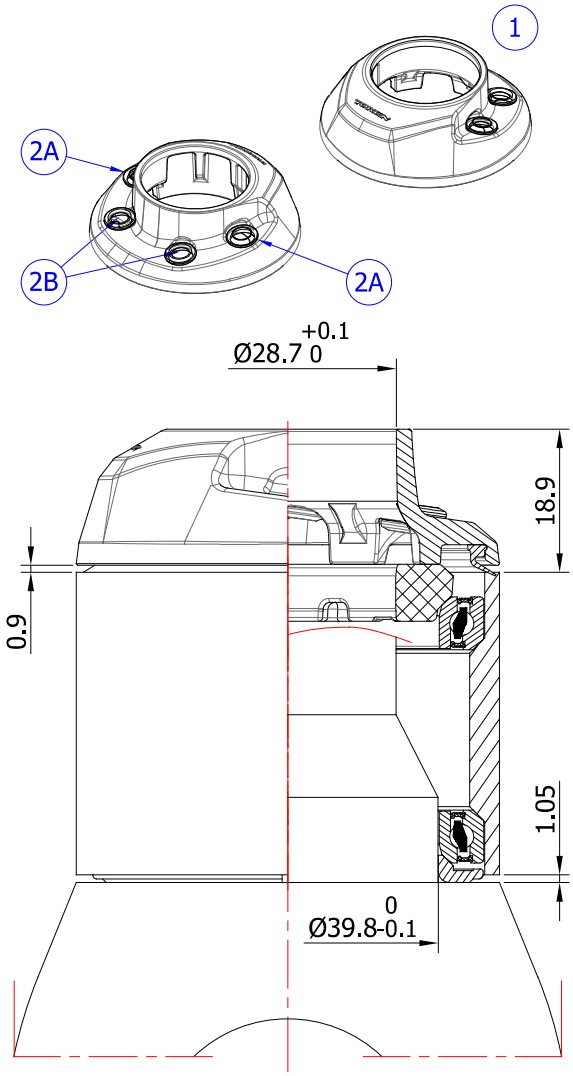
TOKEN HEADSET TECHNICAL MANUAL

TK1556SP-CHHC

S-Box Headset w/ Alloy Crown Race
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 18.9+1.05=19.95mm

*** IMPORTANT ***
Top Cap Bolt Torque - Max 2Nm

SHIS code: IS52/28.6 I IS52/40

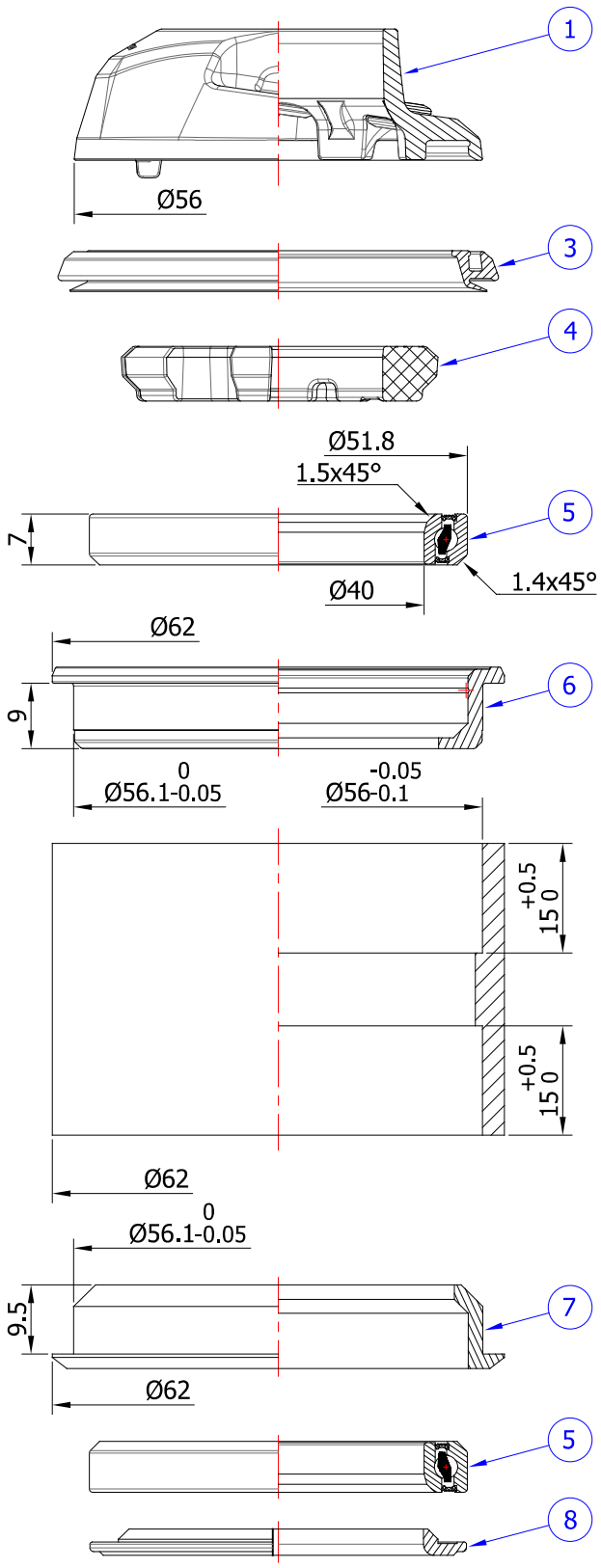
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	2
7	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 04
	Unit: mm	2024.11.28

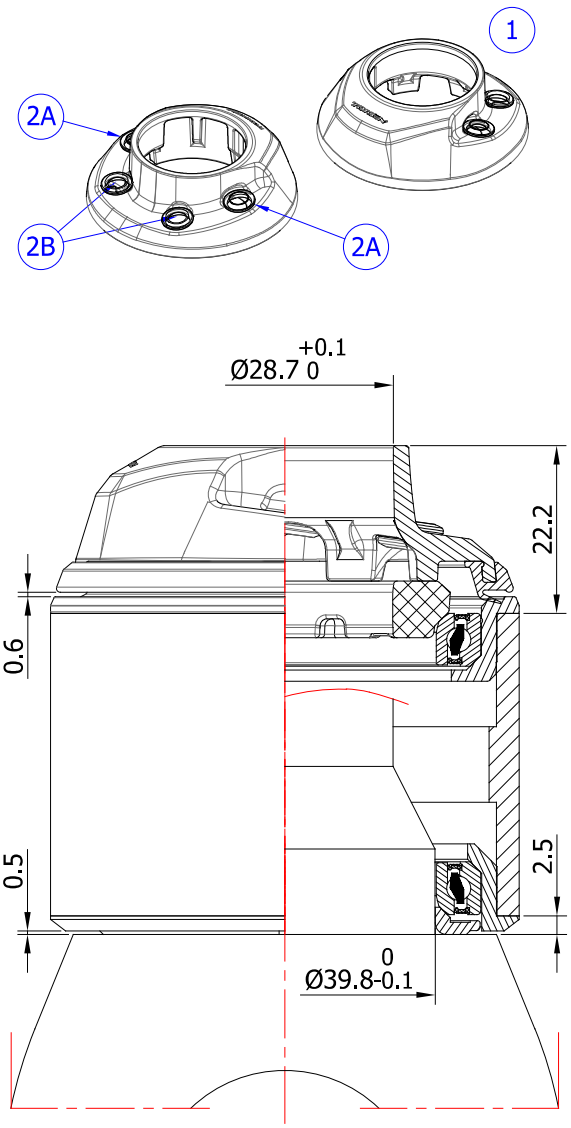
TOKEN HEADSET TECHNICAL MANUAL

TK1566SP-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 22.2+2.5=24.7mm

SHIS code: ZS56/28.6 I ZS56/40

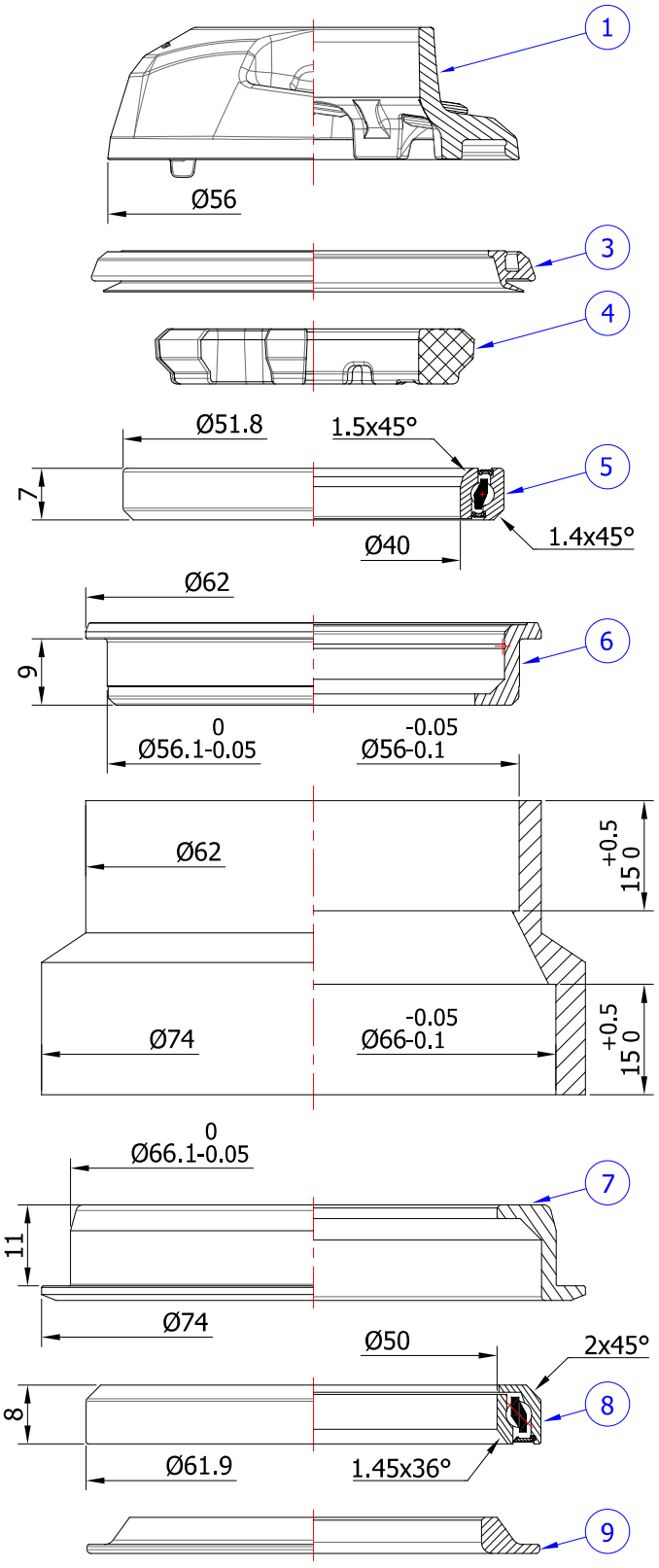
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK156-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper Cup	Alloy	TK156-4-56	1
7	Lower Cup	Alloy	TK072-5	1
8	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 00
	Unit: mm	2024.11.28

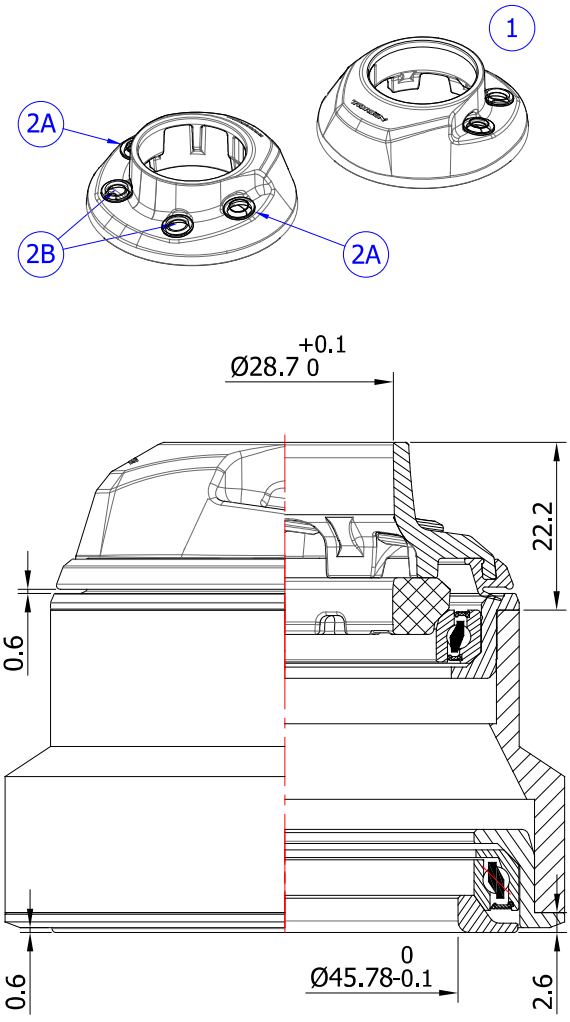
TOKEN HEADSET TECHNICAL MANUAL

TK1586SP-CHHC

S-Box Headset
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 22.2+2.6=24.8mm

SHIS code: ZS56/28.6 I ZS66/46

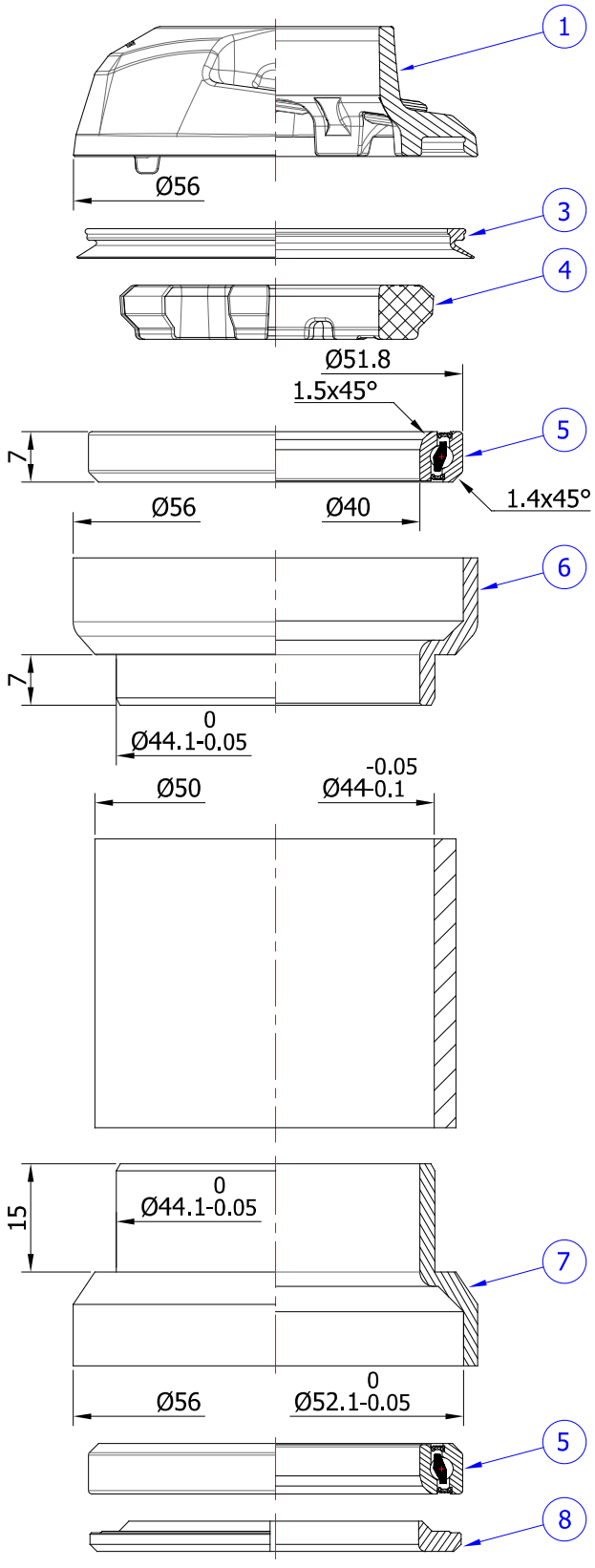
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK156-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	1
6	Upper Cup	Alloy	TK156-4-56	1
7	Lower Cup	Alloy	TK188-5	1
8	Premium Bearing	SUJ2	ACB619	1
9	Crown Race	Alloy	TK188-6	1

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2025.01.13

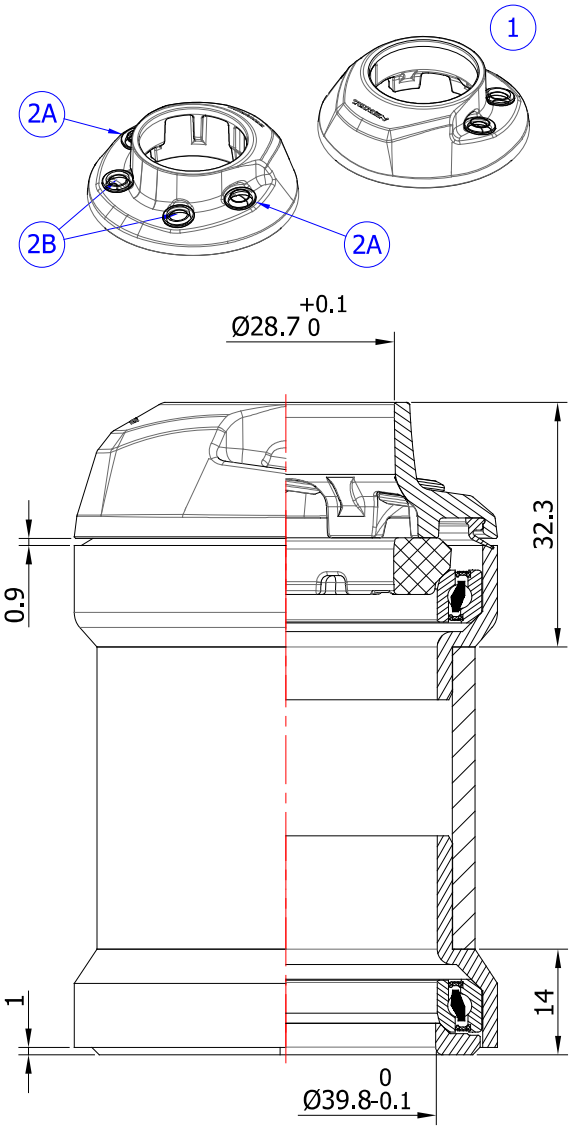
TOKEN HEADSET TECHNICAL MANUAL

TK1536SP-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 32.3+14=46.3mm

SHIS code: EC44/28.6 I EC44/40

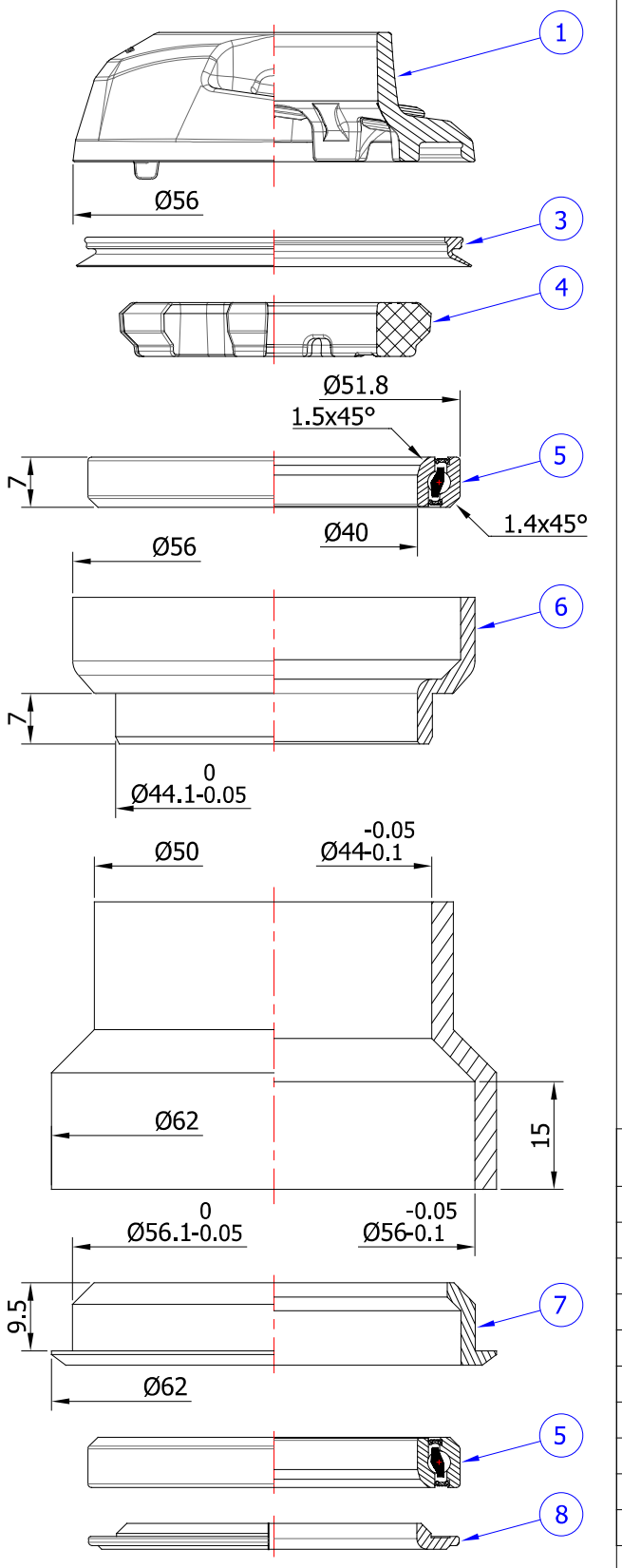
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper External Cup	Alloy	TK1536-4	1
7	Lower External Cup	Alloy	TK036T/2-5	1
8	Crown Race	Alloy	TK072-6/2	1

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2024.11.28

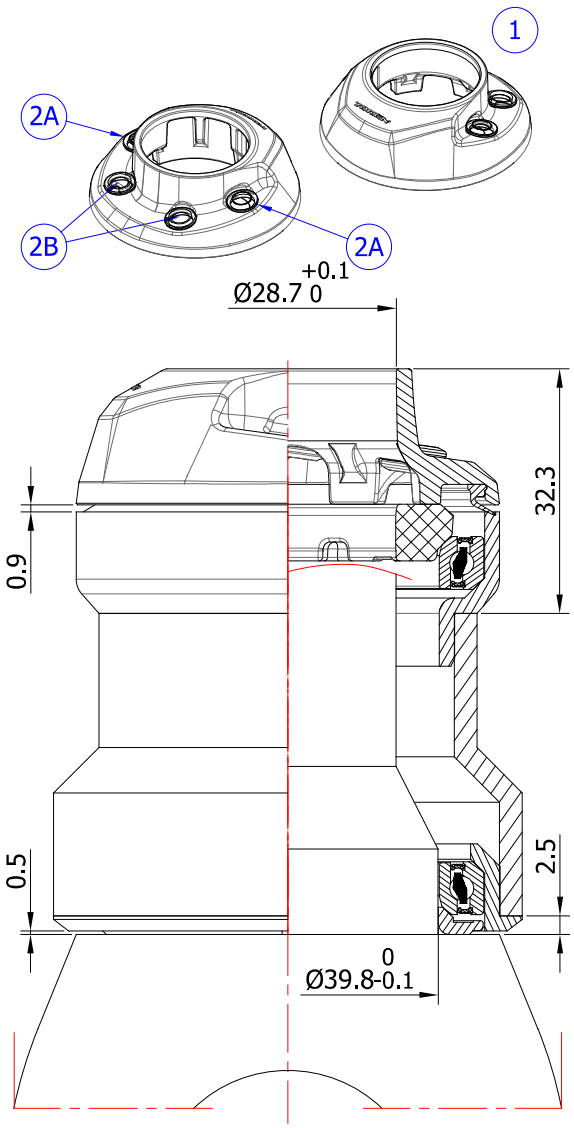
TOKEN HEADSET TECHNICAL MANUAL

TK1537SP-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 32.3+2.5=34.8mm

SHIS code: EC44/28.6 I ZS56/40

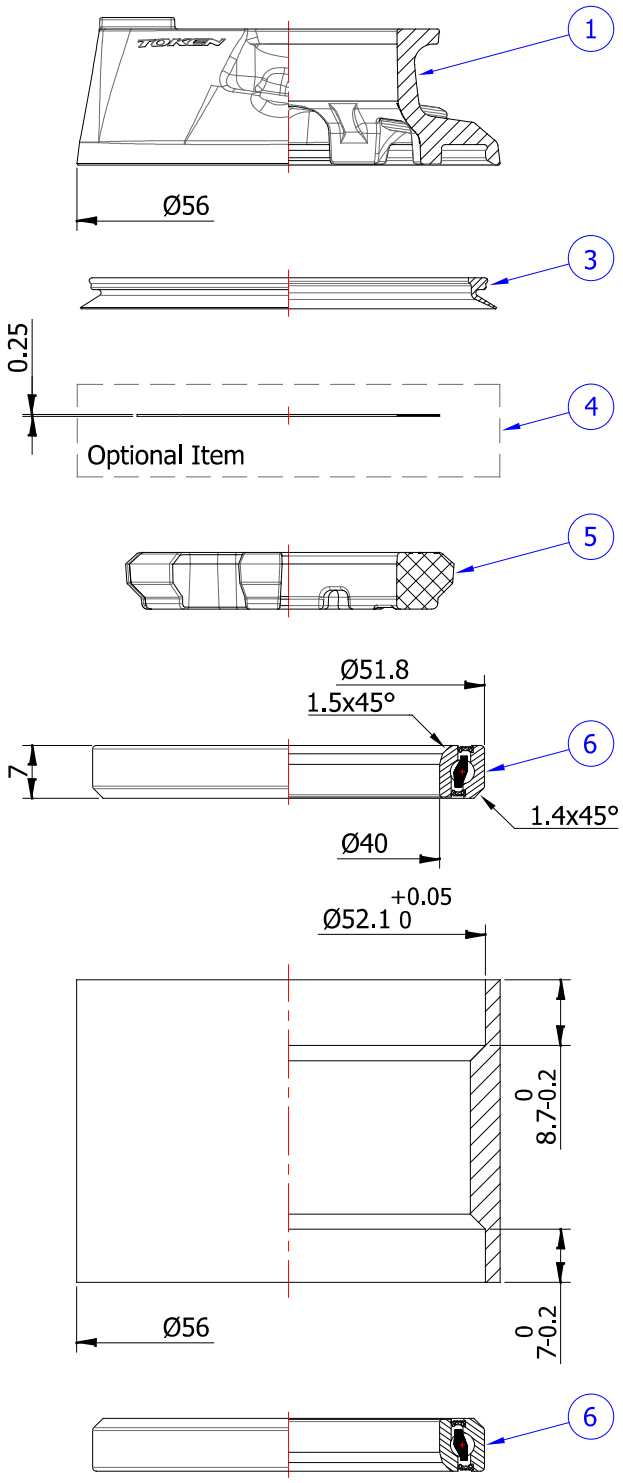
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SP-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper External Cup	Alloy	TK1536-4	1
7	Lower Cup	Alloy	TK072-5	1
8	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 02
	Unit: mm	2024.11.28

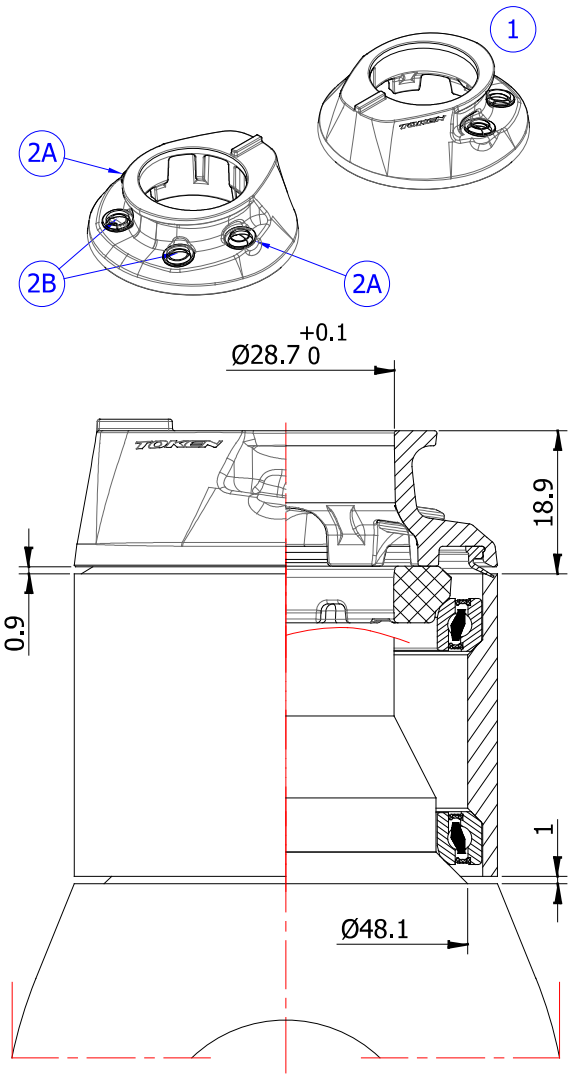
TOKEN HEADSET TECHNICAL MANUAL

TK155SPH-CHHC
TK155SPH-TS-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2
(TK155SPH-TS-CHHC: With ⑤ Ti-Coated Bearings ACB52H7/4TS



NOTE - Unspecified tolerance = ±0.2



Stack Height: 18.9+1=19.9mm

SHIS code: IS52/28.6 I IS52/40

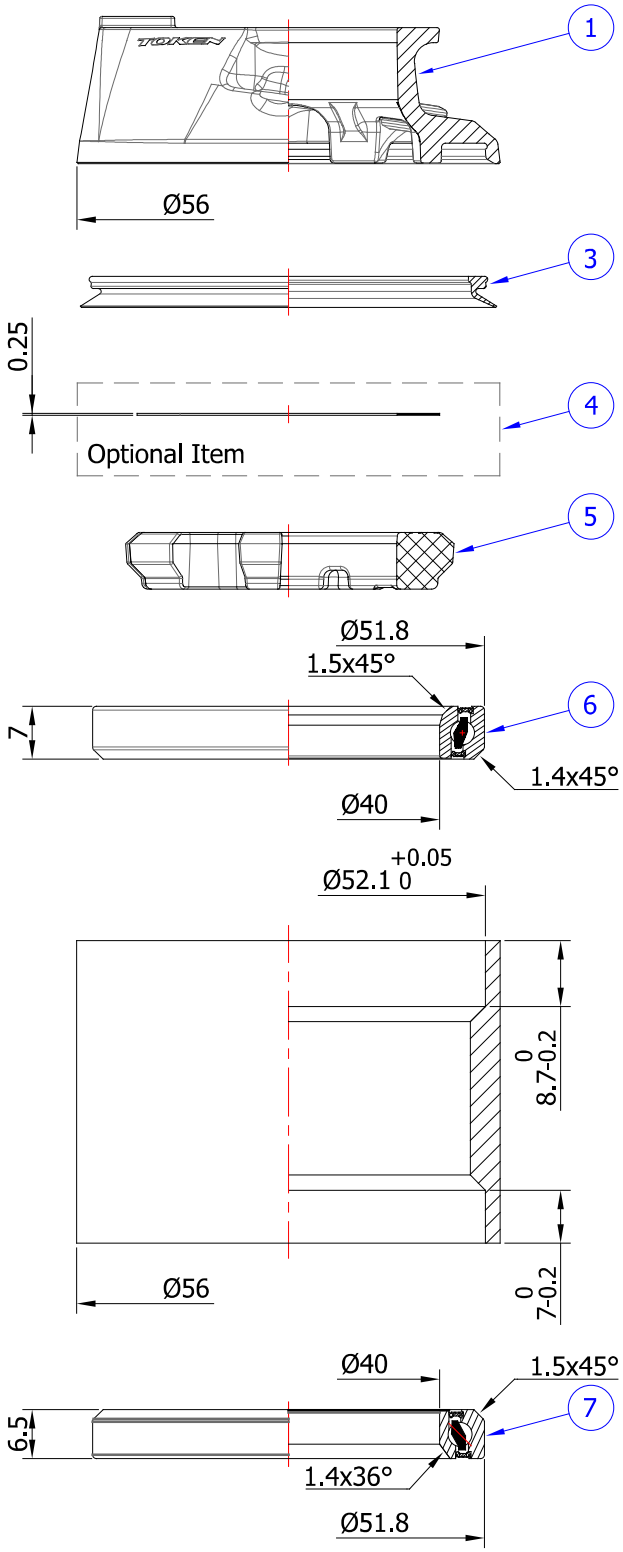
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	2

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2024.11.28

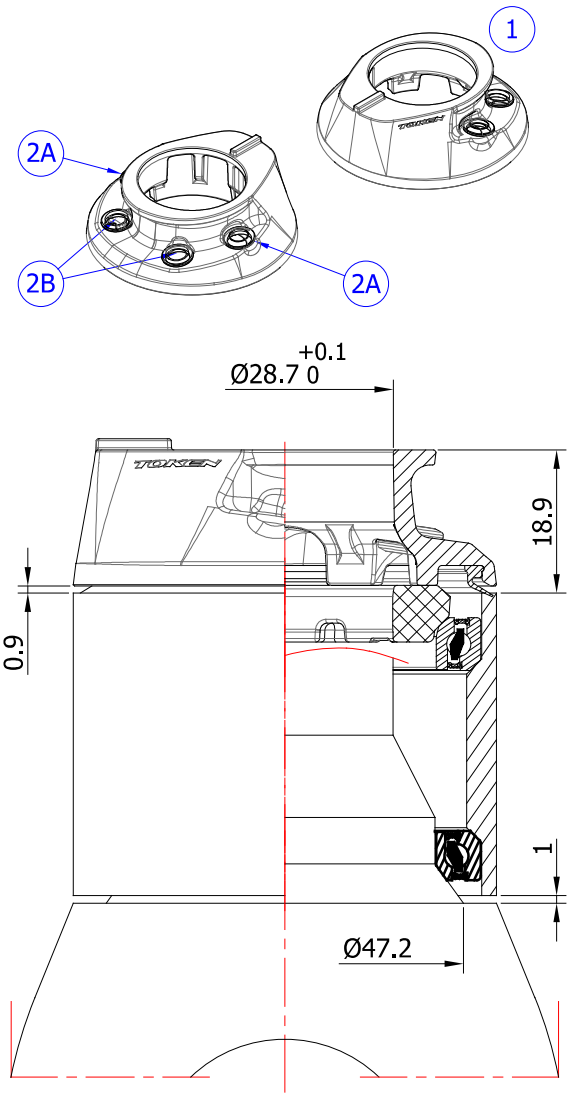
TOKEN HEADSET TECHNICAL MANUAL

TK155SPH-36-CHHC

S-Box Headset w/ Proprietary Interface of HL Corp
w/ 45° / 36° Lower Bearing
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 18.9+1=19.9mm

SHIS code: IS52/28.6 I IS52/40

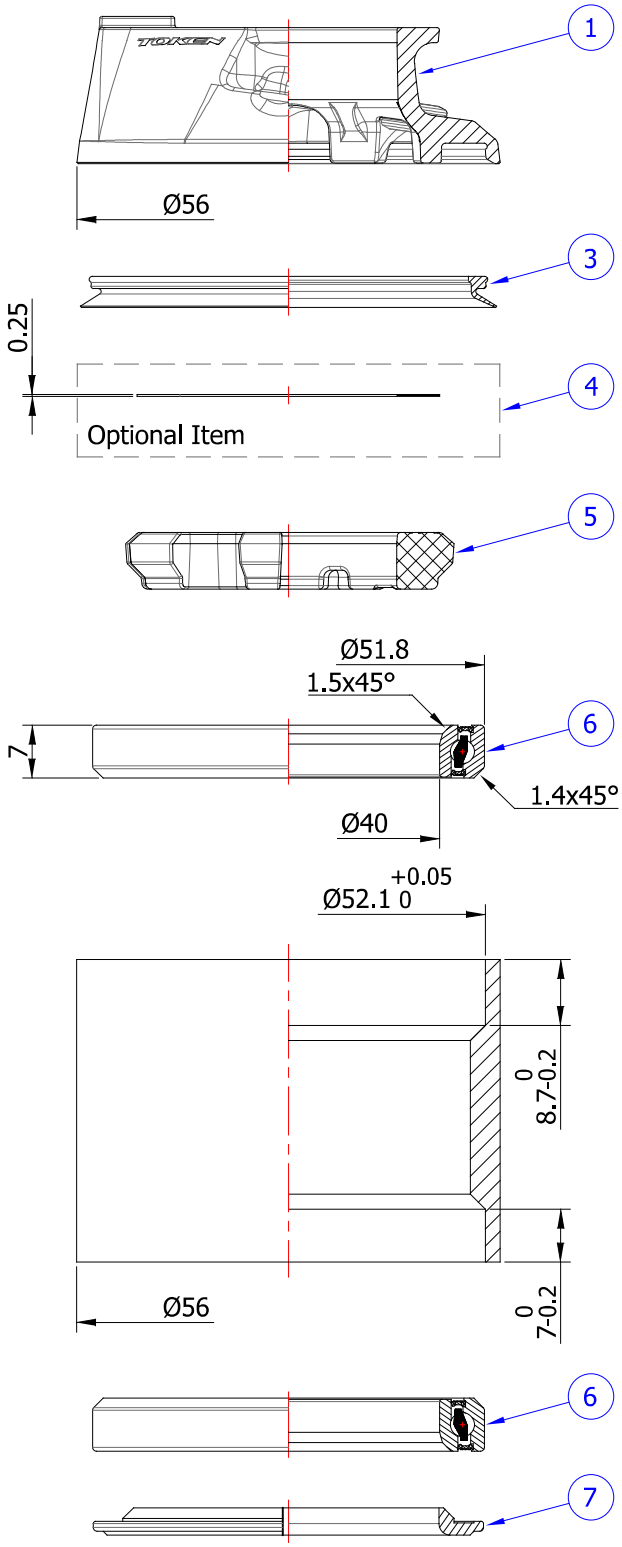
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	1
7	Premium Bearing	SUJ2	ACB518H6.5B	1

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2024.11.28

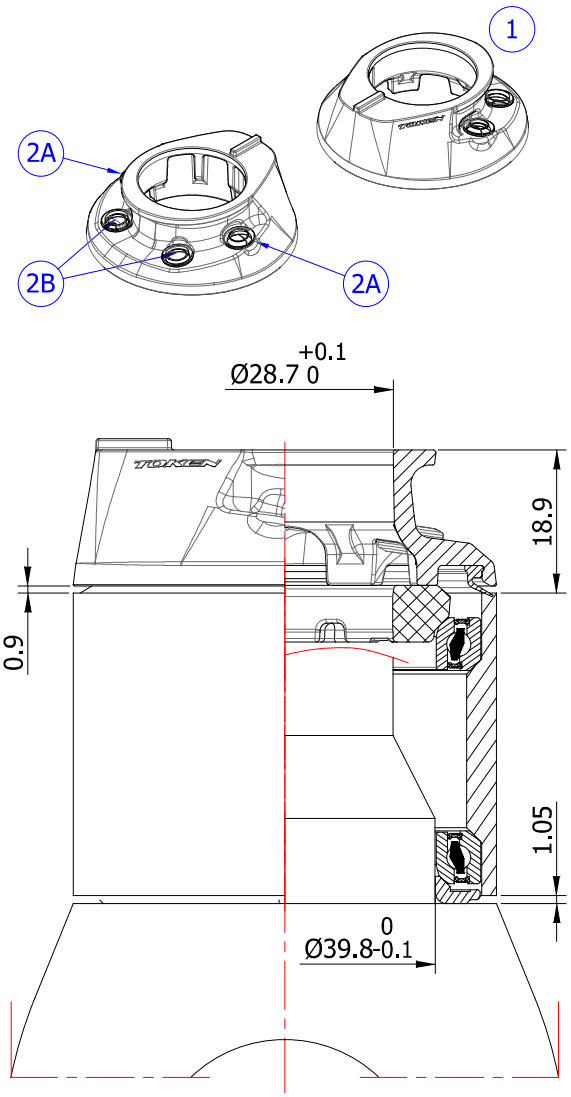
TOKEN HEADSET TECHNICAL MANUAL

TK1556SPH-CHHC

S-Box Headset w/ Proprietary Interface of HL Corp
w/ Alloy Crown Race
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 18.9+1.05=19.95mm

SHIS code: IS52/28.6 I IS52/40

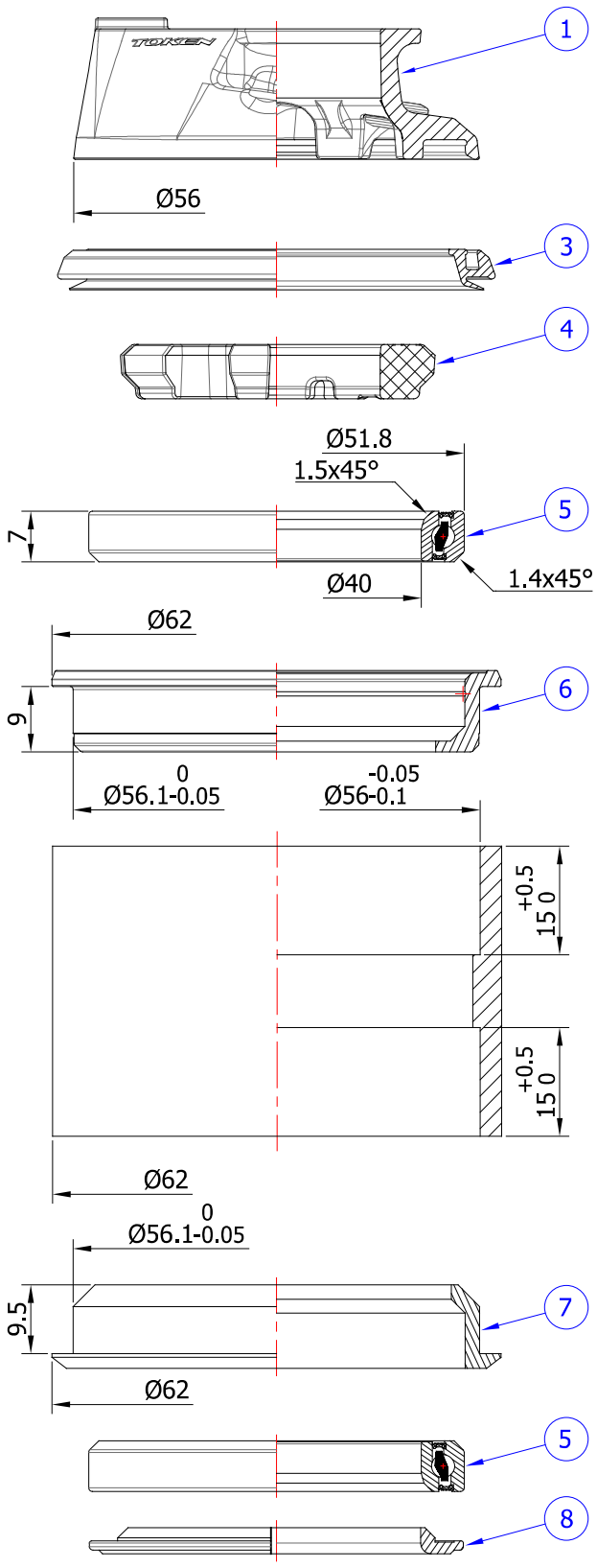
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Micro Spacer	PET	CHS003	1
5	Compression Ring	Composite	TK155-3	1
6	Premium Bearing	SUJ2	ACB52H7/4	2
7	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2024.11.28

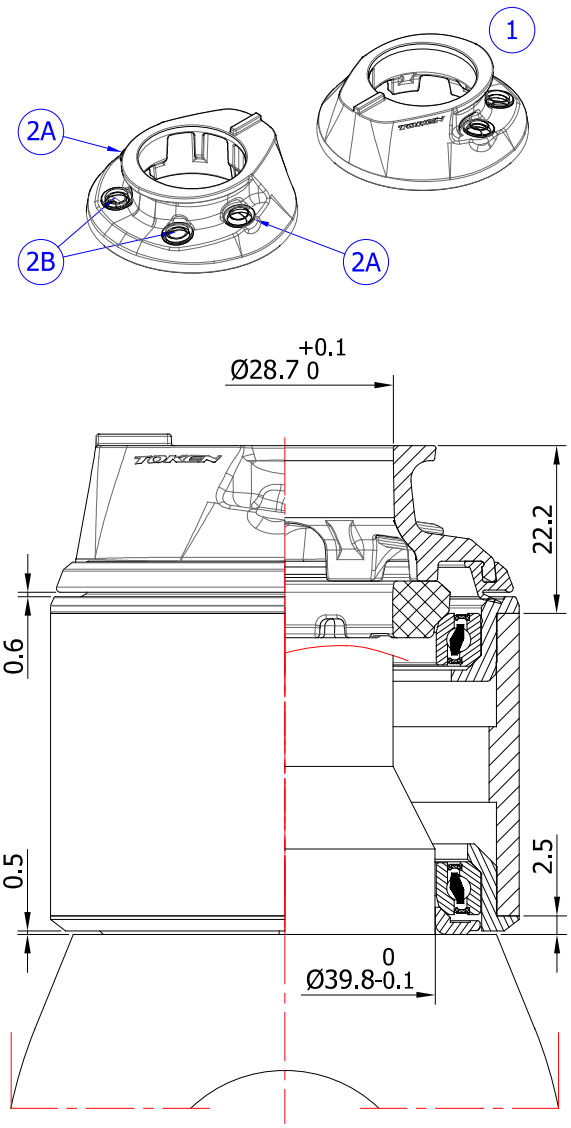
TOKEN HEADSET TECHNICAL MANUAL

TK1566SPH-CHHC

S-Box Headset w/ Alloy Cups and Alloy Crown Race
For Ø4mm x 2 + Ø5mm x 2 Cables / Prop. Interface of HL Corp.



NOTE - Unspecified tolerance = ±0.2



Stack Height: 22.2+2.5=24.7mm

SHIS code: ZS56/28.6 I ZS56/40

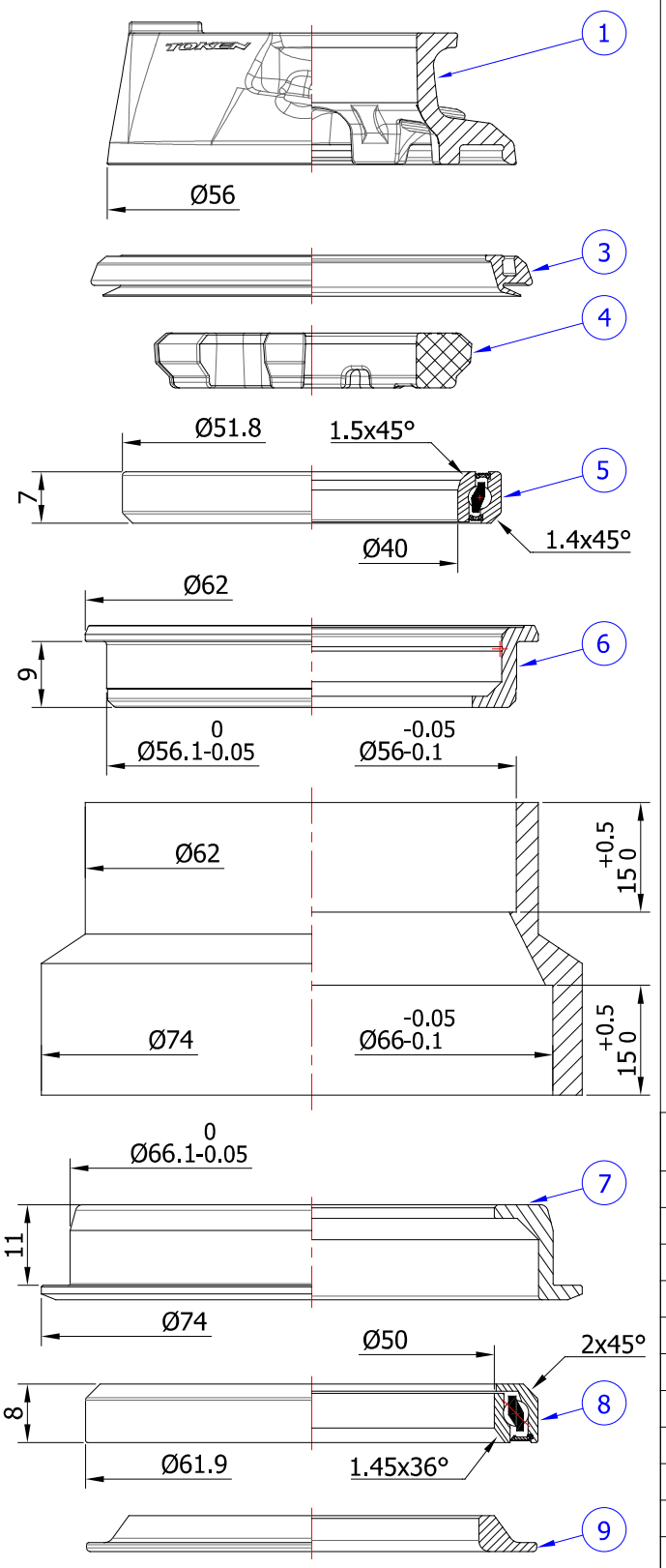
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK156-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper Cup	Alloy	TK156-4-56	1
7	Lower Cup	Alloy	TK072-5	1
8	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 01
	Unit: mm	2024.11.28

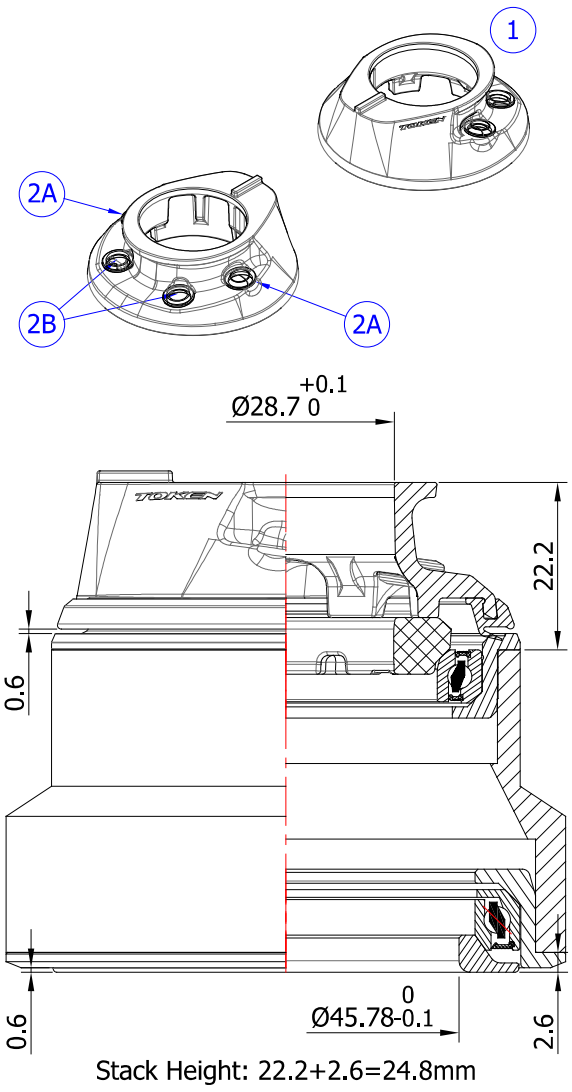
TOKEN HEADSET TECHNICAL MANUAL

TK1586SPH-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 22.2+2.6=24.8mm

SHIS code: ZS56/28.6 I ZS66/46

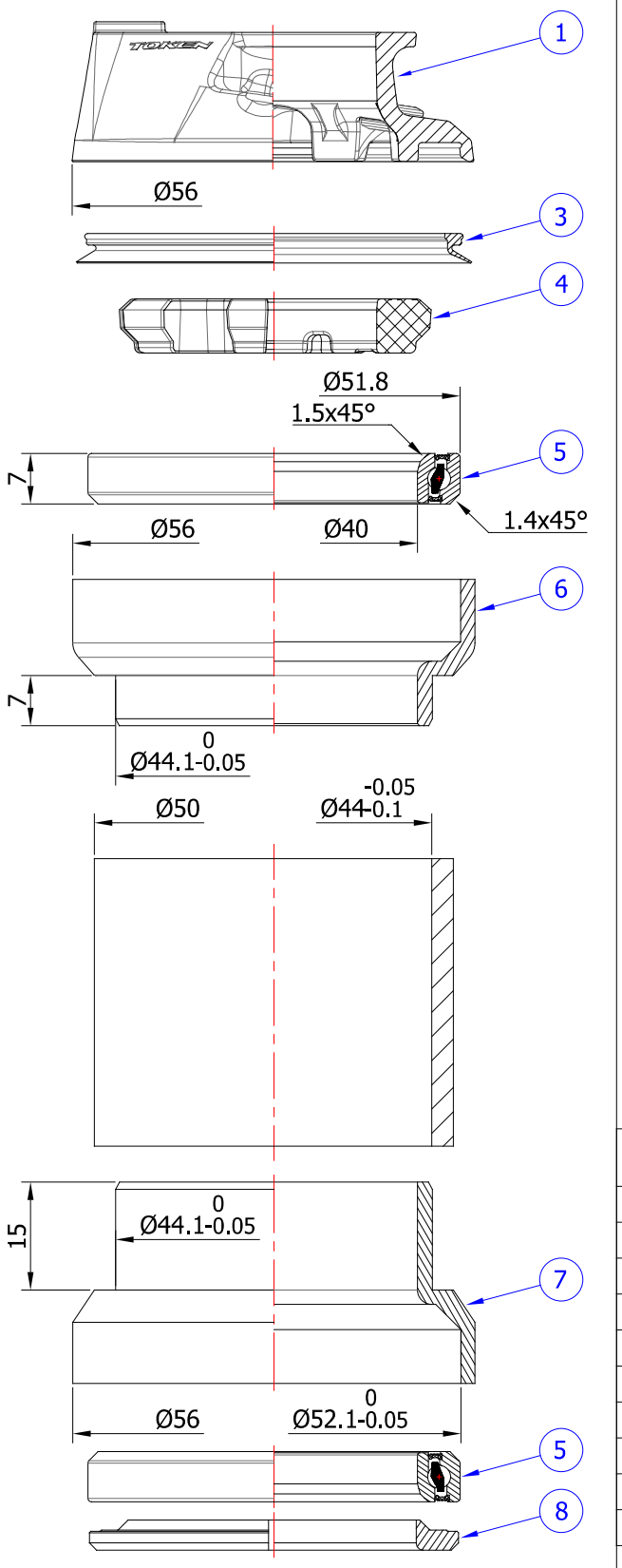
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK156-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	1
6	Upper Cup	Alloy	TK156-4-56	1
7	Lower Cup	Alloy	TK188-5	1
8	Premium Bearing	SUJ2	ACB619	1
9	Crown Race	Alloy	TK188-6	1

Engineer:	Scale: 1 : 1	Revision 00
Esther	Unit: mm	2025.01.13

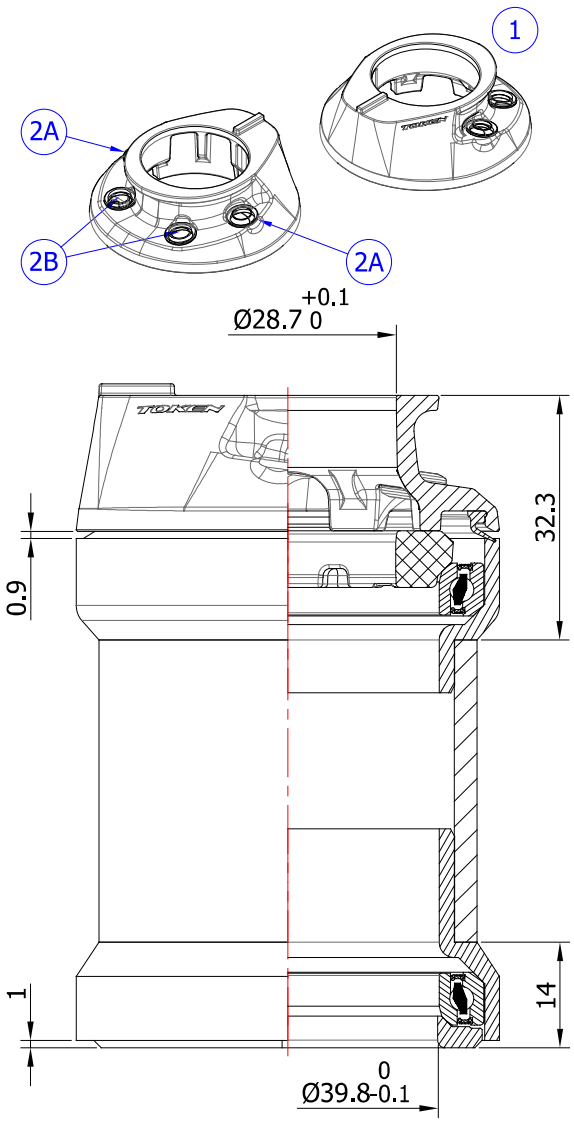
TOKEN HEADSET TECHNICAL MANUAL

TK1536SPH-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 32.3+14=46.3mm

SHIS code: EC44/28.6 I EC44/40

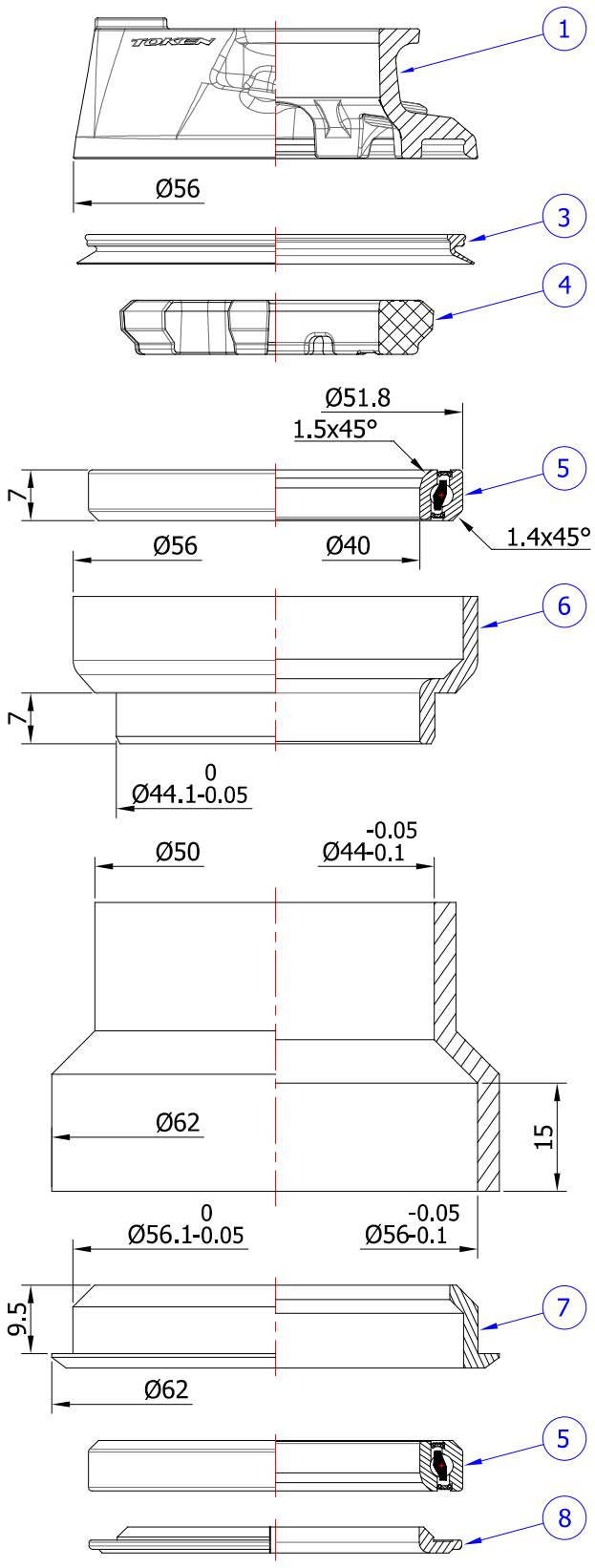
No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper External Cup	Alloy	TK1536-4	1
7	Lower External Cup	Alloy	TK036T/2-5	1
8	Crown Race	Alloy	TK072-6/2	1

Engineer: Esther	Scale: 1 : 1	Revision 02
	Unit: mm	2024.11.28

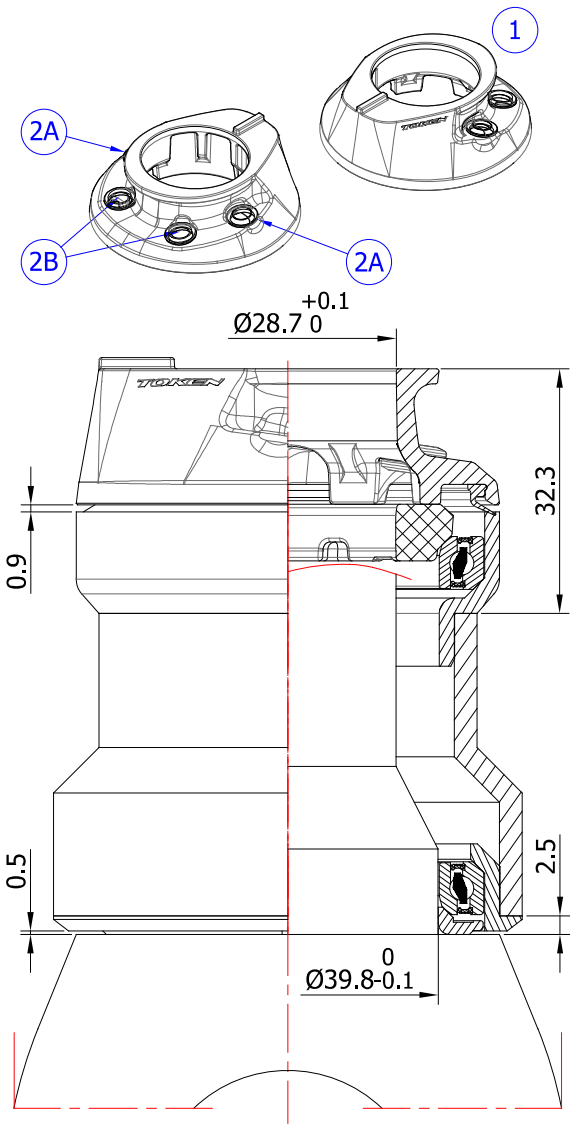
TOKEN HEADSET TECHNICAL MANUAL

TK1537SPH-CHHC

S-Box Headset / Proprietary Interface of HL Corp
For Ø4mm Housing x 2 + Ø5mm Brake Line x 2



NOTE - Unspecified tolerance = ±0.2



Stack Height: 32.3+2.5=34.8mm

SHIS code: EC44/28.6 I ZS56/40

No.	Item	Material	Drawing	Q'ty
1	Top Cover	Composite	TK155SPH-1	1
2A	Housing Seal 4mm	NBR	TK155SP-4	2
2B	Housing Seal 5mm	NBR	TK155SP-5	2
3	Top Cover Seal	NBR	TK155-1	1
4	Compression Ring	Composite	TK155-3	1
5	Premium Bearing	SUJ2	ACB52H7/4	2
6	Upper External Cup	Alloy	TK1536-4	1
7	Lower Cup	Alloy	TK072-5	1
8	Crown Race	Alloy	TK1556-6	1

Engineer: Esther	Scale: 1 : 1	Revision 02
	Unit: mm	2024.11.28