

Inspection Report No.: ATS-EU-IR-79-00268



of: 20/01/2023

Type: 1928

Manufacturer: Unit Garage S.r.l.

Inspection Report

No. ATS-EU-IR-79-00268

Rel. 00

Inspection concerning ~~vehicles~~ / components with regard to:

Uniform provisions concerning steering equipment testing, in detail Handlebars Risers for Motorcycles

performed according to

the provision of the StVZO, in particular according §38 of StVZO,

and the provisions in according to External design relative to Regulation (EU) no. 44/2014, Annex VIII

The records of this Inspection Report are shown below.

Inspection Report No.: ATS-EU-IR-79-00268



of: 20/01/2023

Type: 1928

Manufacturer: Unit Garage S.r.l.

0. General information

0.2. Tested component type: **1928**

0.2.1. Variant(s):
1648
1683
1968
1555
1504 (122504_07)
122508_12
2301
2307
3904
3909

0.3. Name and Address of Manufacturer: **Unit Garage S.r.l.**
Via Annibolina, 19
47832 San Clemente (RN)
Italy

0.3.1. Name and Address of Representative of Manufacturer: Not Applicable

0.3.2. Operative Site of Manufacturer
Via Roma 73
61020 Tavoletto (PU)
Italy

0.4. Vehicle's category on which the use of the inspected component is intended: L

Main Dimensions: See Information and Technical Folder in Annex

Material of the Component: Light Metallic Alloy

Steering system brief description: Special **handlebar risers** designed and made by us by CNC, machined from solid aluminum alloy with silver finish.

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1. Test Basis: The tests for §38 StVZO were carried out according to the guideline for the Testing of special handlebars for motorcycles, small bikes and FmH, taking into consideration the replacement riser.

- 1.1 Worst Case Selection: The "worst case" determination was made according to the internal Inspection Regulations of the Technical Service.



2. Performed Tests

2.1. Fatigue Test

Operational strength tests were performed according to the guidelines above indicated.

The inspection carried out gave a positive result and in compliance with the requirements of the aforementioned Guidelines and Regulations.

2.2. Installation Test

For the fixing of the special handlebar riser, subject to test and inspection, the following points were taken into account.

In particular:

- Sufficient distance of the handlebar from the other parts of the vehicle is ensured and the functional position of all controls is also given with a complete steering lock;
- The brake master cylinder and reservoir of the hydraulic braking system itself are in a functional working position, even with the installation of the handlebar being inspected, if installed correctly;
- Sufficient length is available for all hydraulic and electric lines;
- The protection against unauthorized use remains in place;
- The view of the prescribed instruments, warning lights and rear-view mirrors is not limited by the installation of handlebars type.

2.3. External design according to Regulation (EU) no. 44/2014, Annex VIII With regard to the protruding outer edges, the manufacturer's handlebar, with the riser tested (and considering its variants) complies with the standards and provisions in according to Annex VIII of the EU Regulation No. 44/2014.

2.4. Drive and handling tests: With reference to the driveability and handling tests conducted, the latter were found to comply with the requirements of the aforementioned Regulations and Directives above mentioned.
In case of larger deviations from the standard handlebar dimensions, the driving tests check whether safe steering is ensured and no negative influence on driving behavior.

3. Field of application: The special handlebar risers described and subject to testing and inspection, with its related variants, can only be used on the vehicles specified in Annex 1 to this Report.
Their use is limited to motorcycles only.
Special handlebar risers must be installed according to the manufacturer's installation instructions. If there are any indications or limitations, they must be observed.

4. Test results

The special handlebar risers were tested according to the above-mentioned test basis. They meet the requirements of these Guidelines, Regulations and Regulations.

For the purposes of this inspection, the acceptance of the latter by an officially recognized expert or inspector for automobile traffic or a motor vehicle expert according to section 4 of Annex VIII b of the StVZO, is not considered necessary.

However, such a test is necessary if:

- the motorcycles were registered for road use in an individual procedure according to §21 StVZO;
- several changes are made that affect each other in such a way that a danger is possible and that the operating permit will expire.

5. Conditions and advices

- 5.1 Fixing must be performed according to the manufacturer's assembly instructions.
- 5.2 Hydraulic and electric transmission equipment should not undergo any changes in position when the handlebar is installed. Furthermore, when the handlebar is installed, there must be no rubbing of any kind and the corresponding radii of the brake lines must comply with the manufacturer's specifications.
- 5.3 A functional check of all equipment involved in the conversion (coupling, brake, throttle grip, lighting, horn) must be performed.



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6 Other Informations

Date of test: 20/01/2023

	Senior Inspector	Junior Inspector
Technical Service Representative(s):	Eng. Gabriele Zivelonghi	--

Manufacturer's Representative: Mr. Fabio Marcaccini

Remarks: None

6.1 Appendix

1. List of modifications
2. List of vehicles covered by the inspection

6.2 Annex

1 Information Folder

Information Folder No. UNIT_1928_02

7. Statement of conformity

The information document as given in paragraph 0.4 and the type described there are in compliance with the test specification mentioned above.





With regard to the required level of performance to be achieved, the tested items were representative for the type to be approved (see paragraph 1).

The tests were carried out in accordance with the relevant requirements of EN ISO/IEC 17025 and EN ISO/IEC 17020 / R79-03 ECE/UN, StVZO, Regulation (EU) no. 44/2014, Annex VIII.

The inspection report comprises pages 1 to 11.

It shall not be reproduced except in full, without written approval of the laboratory.

Verona (VR), Italia, 20/01/2023

<p><i>Number of Project and Protocol</i></p>	<p><i>Originality Check (*)</i></p>	<p>Automotive Technical Service Europe S.r.l. <i>Inspector</i></p>  <p>_____ (Eng, Gabriele Zivelonghi)</p>	
	 <p>ATS-EU-PR-00268</p>	<p>Automotive Technical Service Europe S.r.l. <i>Deputy Technical Director</i></p>  <p>_____ (Eng. Bogdan Domnescu)</p>	

(*) To check the originality of documents, scan the QR Code or connect to the site <https://www.ats-group.org/controllo-originalita/> and follow the instruction in it.

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Type: 1928

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Appendix 1

List of modifications

~~Applicable~~ / Not Applicable

Appendix 1

More details for application of

Date :

Correction of : -

Modification of : -

Addition of : -

Deletion of : -

Appendix 2

List of Vehicles Covered by the Inspection

Appendix 2

Cod. 1928 Riser Handlebar

Manufacturer	Model	Production Years
BMW	K50 (R 1200 GS, R 1250 GS)	(2011 - current)
BMW	K51 (R 1200 GS Adv., R 1250 GS Adv.)	(2012-current)
BMW	K52 (R1200RT, R1250RT)	(2013- current)
BMW	K53 (R1200R, R1250 R)	(2013- current)
BMW	K54 (R 1200 RS, R1250 RS)	(2014-current)

Cod. 1648 Riser Handlebar 20mm

Manufacturer	Model	Production Years
BMW	K21 (R nine-T Roadster)	(2013 - current)
BMW	K22 (R nine-T Pure)	(2015 - current)
BMW	K23 (R nine-T Scrambler)	(2015 - current)
BMW	K33 (R nine-T Urban GS) ((2016 - current)

Cod. 1683; 1968 Raised and set back handlebar risers

Manufacturer	Model	Production Years
BMW	K21 (R nine-T Roadster)	(2013 - current)
BMW	K22 (R nine-T Pure)	(2015 - current)
BMW	K23 (R nine-T Scrambler)	(2015 - current)
BMW	K33 (R nine-T Urban GS)	(2016 - current)

Cod. 1555 Riser Handlebar

Manufacturer	Model	Production Years
BMW	259R (R 850 R, R 1100 R)	(1993 - 2002)
BMW	R28 (R850R, R1150R, Rockster)	(1999-2007)

Appendix 2

List of Vehicles Covered by the Inspection

Appendix 2

*Cod. 1504;
122504_07* *Riser Handlebar*

Manufacturer	Model	Production Years
BMW	259 (R 850 GS, R 1100GS)	(1993 - 2006)
BMW	R21 (R 1150 GS)	(1998 - 2003)
BMW	R21 (R 1150 GS Adventure)	(2001 - 2005)
BMW	K25 (R 1200 GS)	(2002 - 2012)
BMW	K25 (R 1200 GS Adventure)	(2005 - 2013)

*Cod.
122508_12* *Riser Handlebar*

Manufacturer	Model	Production Years
BMW	K25 (R 1200 GS)	(2002 - 2012)
BMW	K25 (R 1200 GS Adventure)	(2005 - 2013)

Cod. 2307 *Handlebar Clamps*

Manufacturer	Model	Production Years
BMW	259 (R 850 GS, R 1100GS)	(1993 - 2006)
BMW	R21 (R 1150 GS)	(1998 - 2003)
BMW	R21 (R 1150 GS Adventure)	(2001 - 2005)
BMW	259R (R 850 R, R 1100 R)	(1993 - 2002)
BMW	R28 (R850R, R1150R, Rockster)	(1999 - 2007)

Cod. 2301 *Handlebar Supports*

Manufacturer	Model	Production Years
BMW	259R (R 850 R, R 1100 R)	(1993 - 2002)
BMW	R28 (R850R, R1150R, Rockster)	(1999-2007)

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Appendix 2

List of Vehicles Covered by the Inspection

Appendix 2

Cod. 3904; Riser Handlebar
3909

Manufacturer	Model	Production Years
DUCATI	Desert X 950	(2022 - Current)





Information Document No.: UNIT_1928_02

Date: 13/01/2023

Company: Unit Garage S.r.l.

Information Document

No. UNIT_1928_02

Rel. 00

~~Vehicle/Component~~

Type: 1928

Managing Director: Mr. Fabio Marcaccini

Place: San Clemente (RN) - Italy

Date: 13.01.2023

FIRMA


UNIT GARAGE s.r.l.
Via Annibolina, 19
47832 SAN CLEMENTE - RN
C.F. - P.IVA 04 242 270 405
info@unitgarage.com
www.unitgarage.it




Information Document No.: UNIT_1928_02

Date: 13/01/2023

Company: Unit Garage S.r.l.

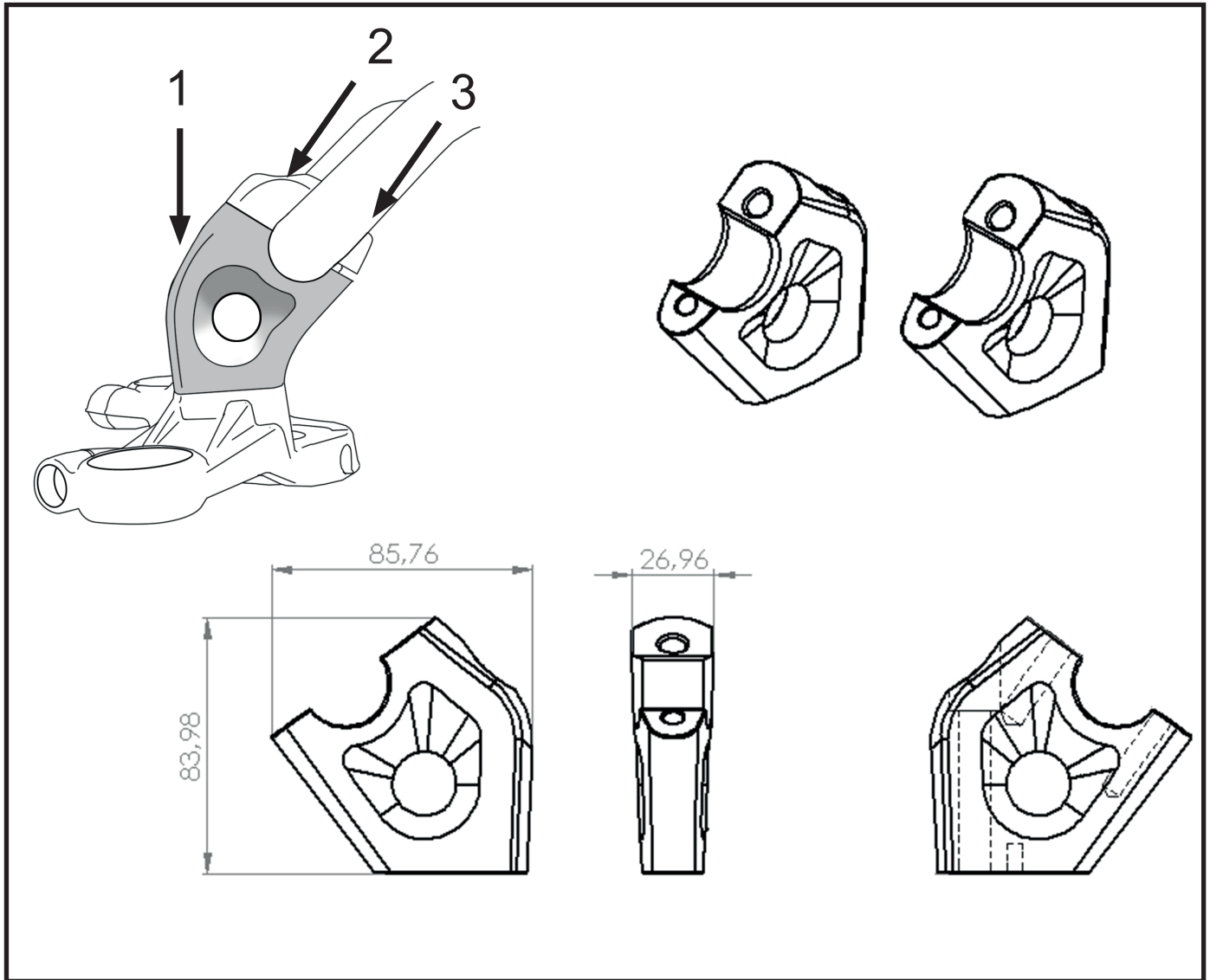
General Information

- | | | |
|---|---|---|
| 1 | Trade Name (Commercial Mark) | UNIT GARAGE
 |
| 2 | Type: | 1928 |
| 3 | Variant(s) | 1648
1698
1683
1555
1504 (122504_07)
122508_12
2301
2307
<u>3904</u>
<u>3909</u> |
| 4 | Name and Address of Manufacturer: | Unit Garage S.r.l.
Via Annibolina, 19
47832 San Clemente (RN)
Italy |
| 5 | Operative Site of Manufacturer | Via Roma 73
61020 Tavoleto (PU)
Italy |
| 6 | Vehicle's category on which the use of the inspected component is intended: | L |

Models:

- BMW K21 (R nine-T Roadster) (2013 - current)
- BMW K22 (R nine-T Pure) (2015 - current)
- BMW K23 (R nine-T Scrambler) (2015 - current)
- BMW K33 (R nine-T Urban GS) (2016 - current)

- 1 OEM ISA Screw M10x80
- 2 Cylinder head screw, Hex socket M10x30
- 3 Cylinder head screw, Hex socket M8x30



Models:

BMW K21 (R nine-T Roadster) (2013 - current)

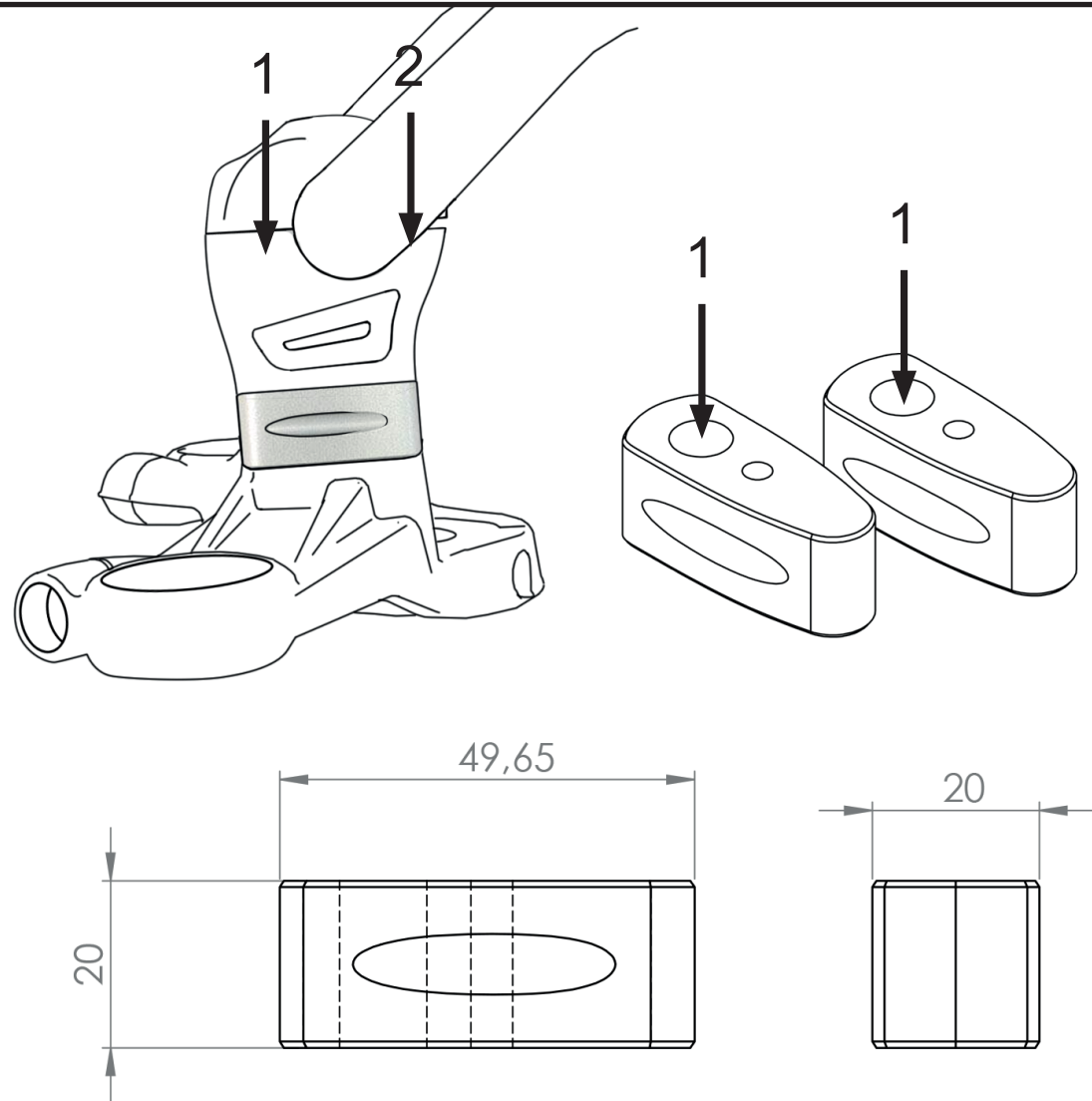
BMW K22 (R nine-T Pure) (2015 - current)

BMW K23 (R nine-T Scrambler) (2015 - current)

BMW K33 (R nine-T Urban GS) (2016 - current)

1 Cylinder head screw, Hex socket M10x100

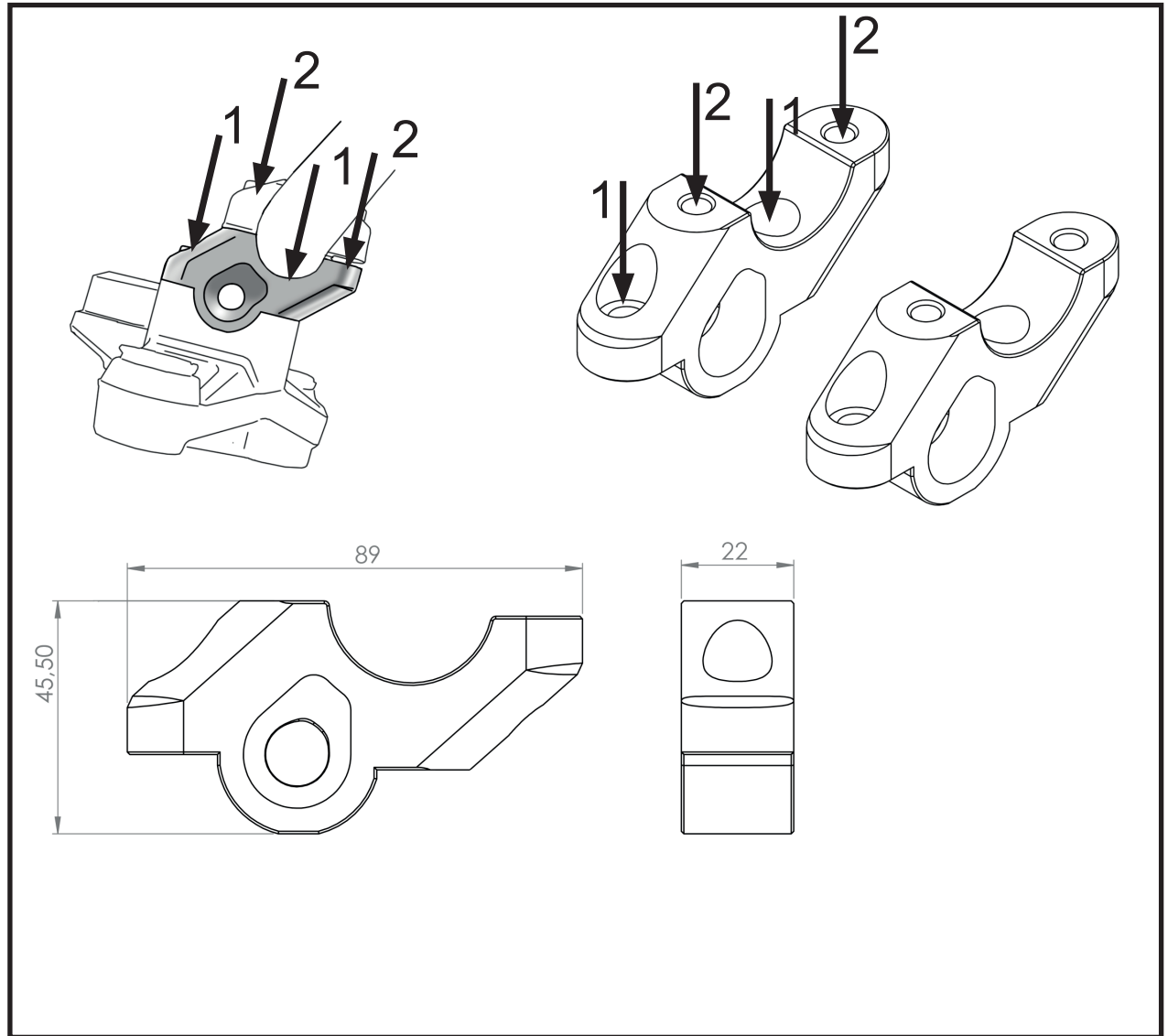
2 Cylinder head screw, Hex socket M8x30



Models:

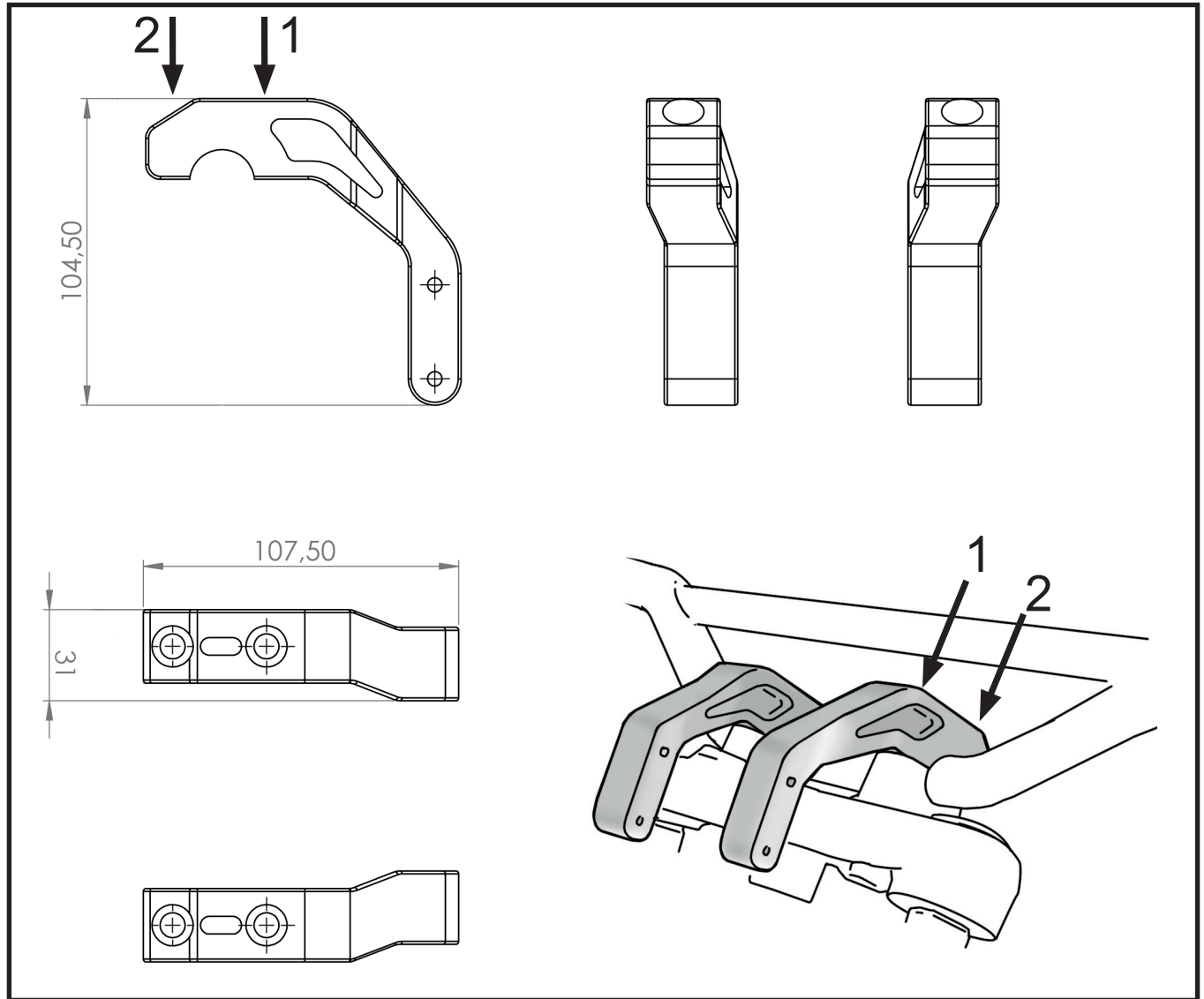
BMW K50 (R 1200 GS, R 1250 GS) (2011 - current)
BMW K51 (R 1200 GS Adv., R 1250 GS Adv.)
(2012-current)
BMW K52 (R1200RT, R1250RT) (2013- current)
BMW K53 (R1200R, R1250 R) (2013- current)
BMW K54 (R 1200 RS, R1250 RS) (2014-current)

1 OEM ISA Screw M8x35
2 Cylinder head screw, Hex socket M8x40



Models:
BMW 259R (R 850 R, R 1100 R) (1993 - 2002)
BMW R28 (R850R, R1150R, Rockster) (1999-2007)

1 OEM ISA Screw M8x35
2 OEM ISA Screw M8x35



Models:

BMW 259 (R 850 GS, R 1100GS) (1993 - 2006)

BMW R21 (R 1150 GS) (1998 - 2003)

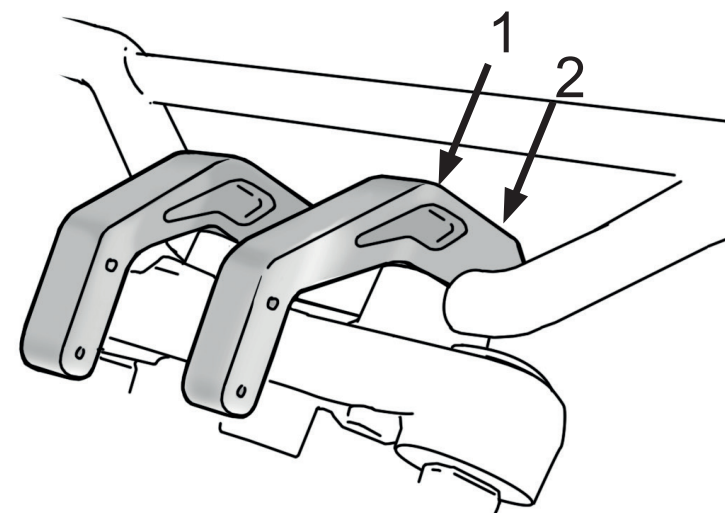
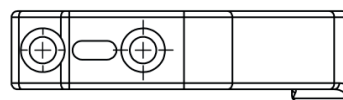
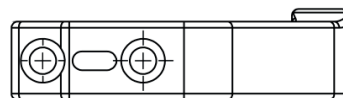
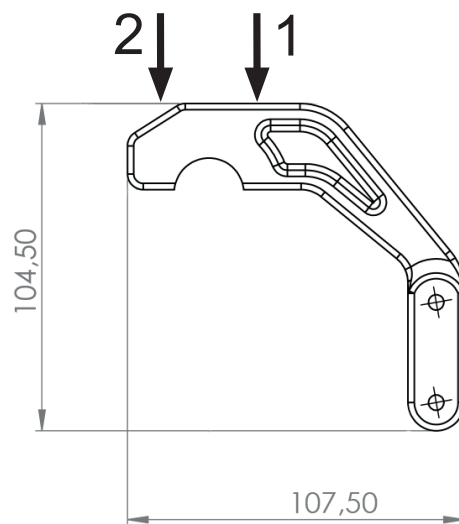
BMW R21 (R 1150 GS Adventure) (2001 - 2005)

BMW K25 (R 1200 GS) (2002 - 2012)

BMW K25 (R 1200 GS Adventure) (2005 - 2013)

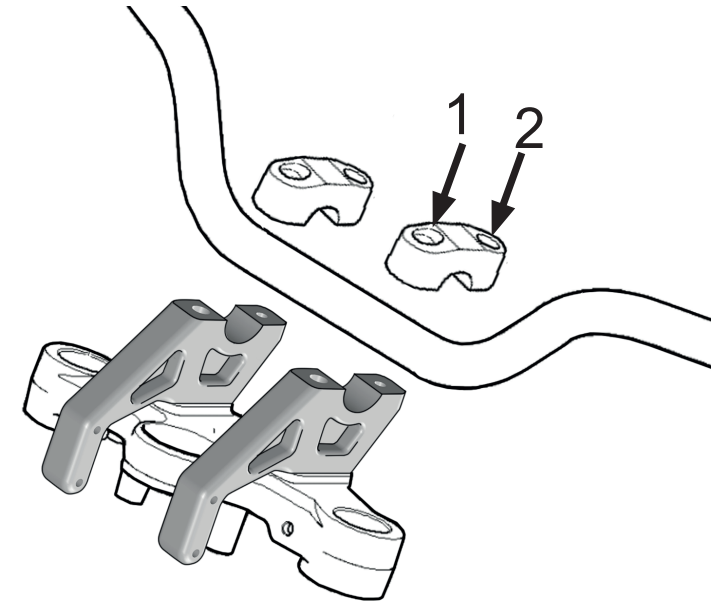
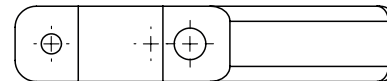
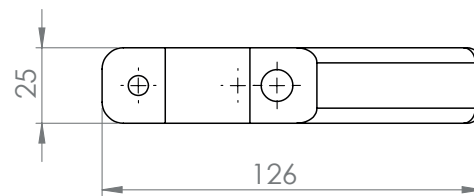
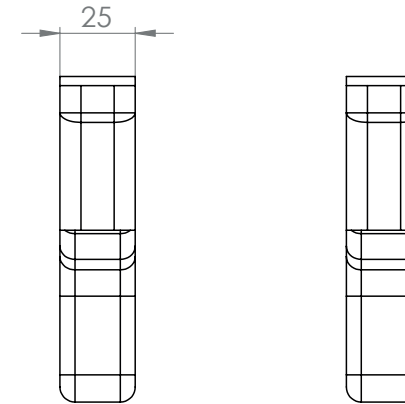
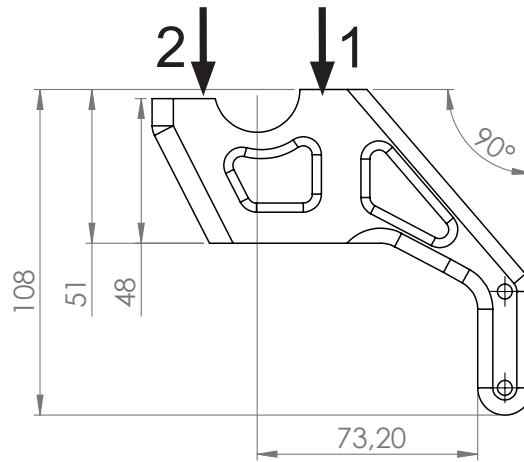
1 OEM ISA Screw M8x35

2 OEM ISA Screw M8x35



Models:
BMW K25 (R 1200 GS) (2002 - 2012)
BMW K25 (R 1200 GS Adventure) (2005 - 2013)

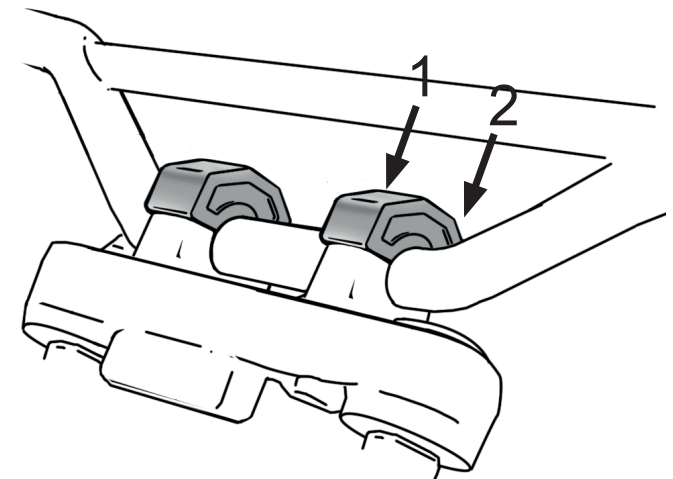
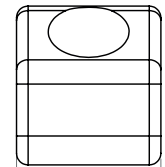
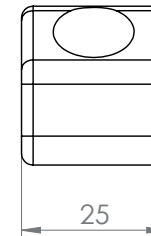
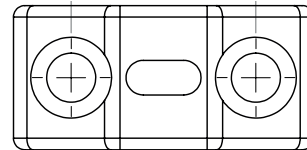
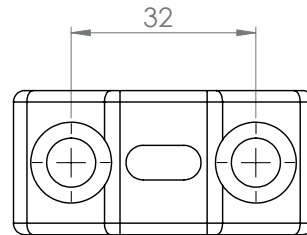
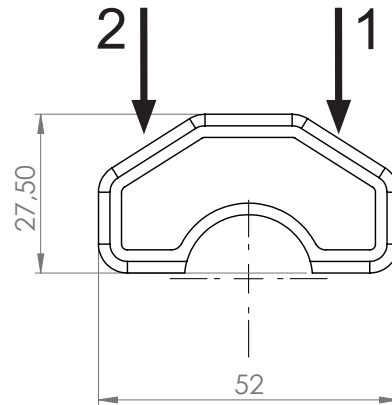
1 OEM ASA Screw M10x90
2 OEM ASA Screw M8x30



Models:

BMW 259 (R 850 GS, R 1100GS) (1993 - 2006)
BMW R21 (R 1150 GS) (1998 - 2003)
BMW R21 (R 1150 GS Adventure) (2001 - 2005)
BMW 259R (R 850 R, R 1100 R) (1993 - 2002)
BMW R28 (R850R, R1150R, Rockster) (1999-2007)

1 OEM ISA Screw M8x35
2 OEM ISA Screw M8x35



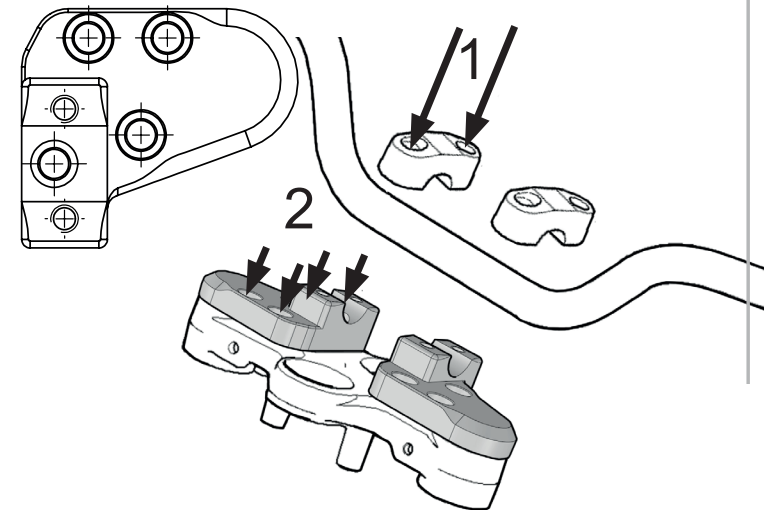
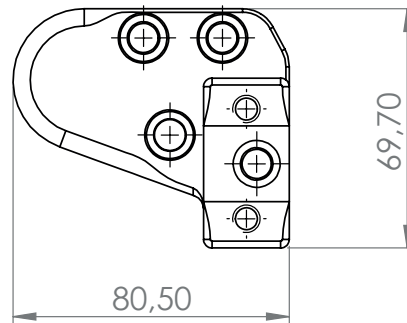
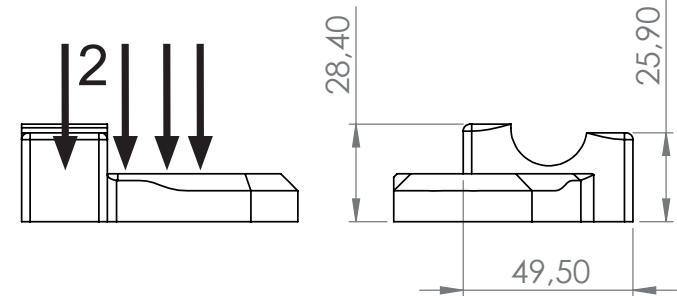
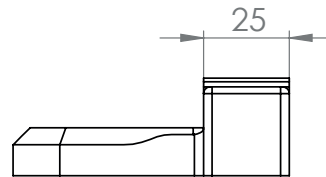
Models:

BMW 259R (R 850 R, R 1100 R) (1993 - 2002)

BMW R28 (R850R, R1150R, Rockster) (1999-2007)

1 OEM ISA Screw M8x35

2 Cylinder head screw, Hex socket M8x40

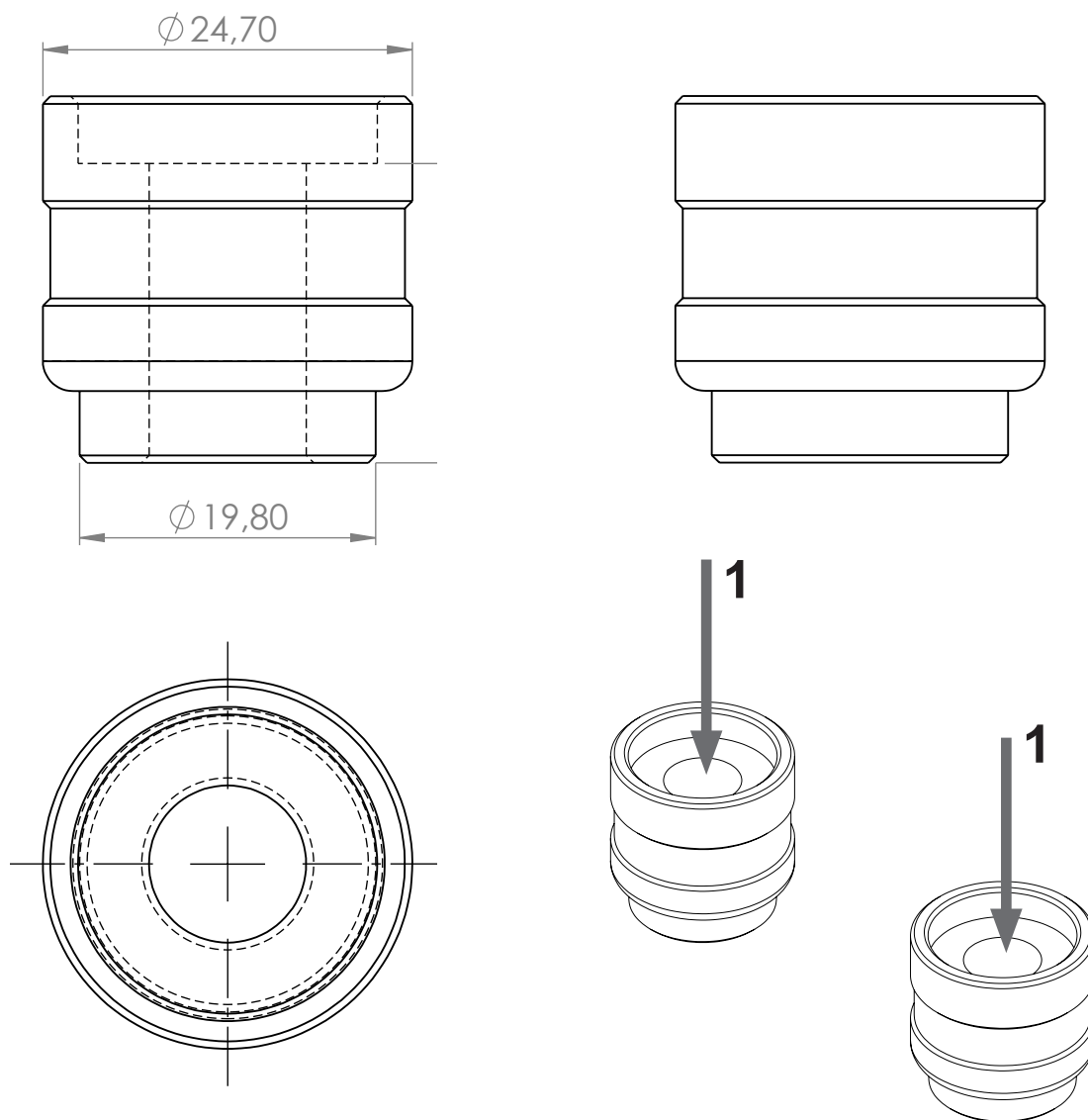


UNIT[®]
GARAGE

cod. 3904
Handlebar risers
Riser manubrio

Models:
Ducati Desert X 950 (2022 - current)

1 Cylinder head screw, Hex socket M10x90



Models:
Ducati Desert X 950 (2022 - current)

1 OEM Cylinder head screw, Hex socket M10x70
2 Cylinder head screw, Hex socket M8x30

