



Special Documentation

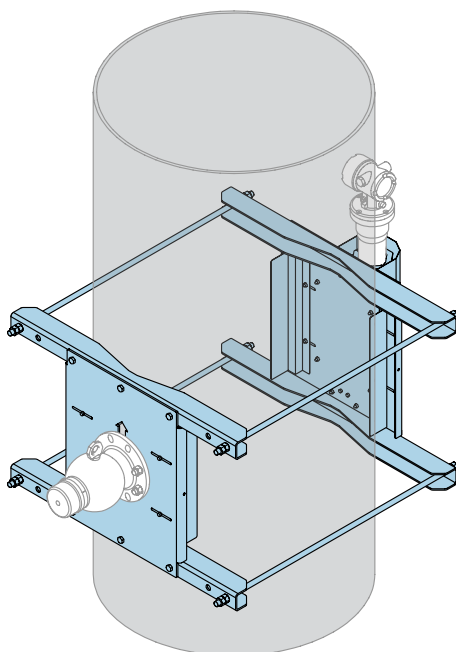
Clamping device FHG51 for FQG61, FQG62 and FMG50 - PVT400

For pipes with an outer diameter of 620 to 1030 mm (24.4 to 40.6 in)

Designated use

The clamping device FHG51 is used to secure a radiometric measuring system on pipes with an external diameter of 620 to 1030 mm (24.4 to 40.6 in).

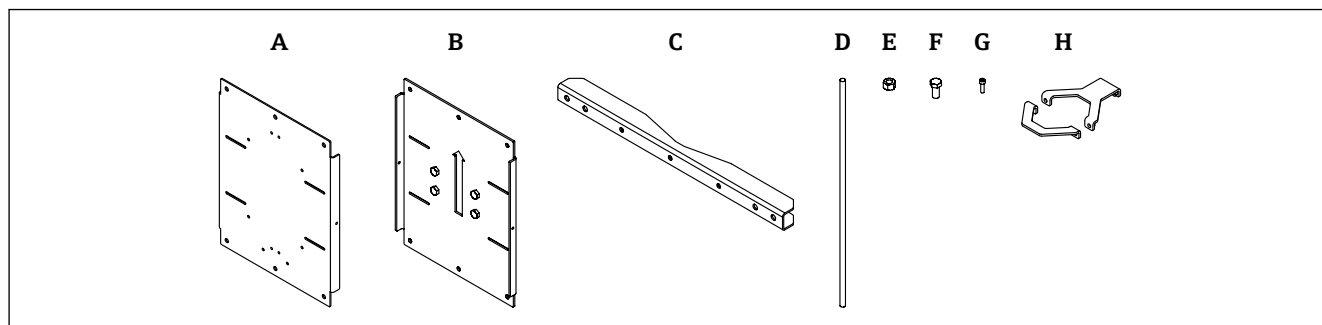
The radiometric measuring system comprises an FQG61 or FQG62 source housing and the Gammapiot FMG50 - PVT400 compact transmitter.



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Overview

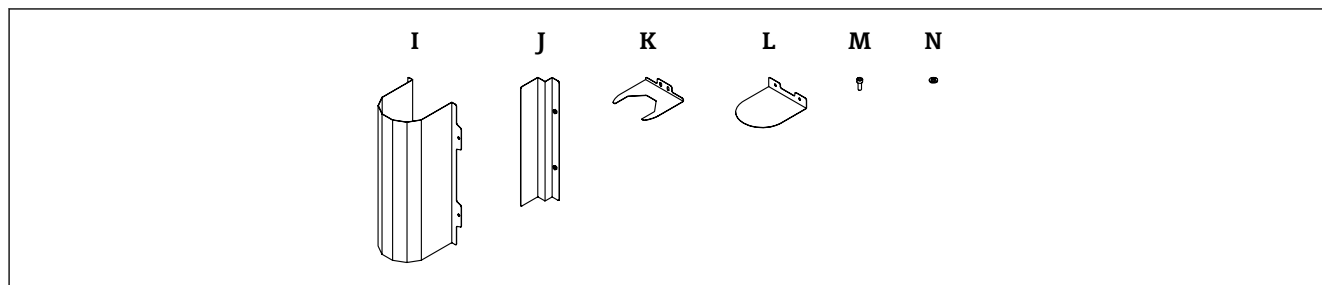
Clamping device



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- A 1 × retaining plate FMG50 - PVT400; 316L (1.4404)
- B 1 × retaining plate FQG61, FQG62; 316L (1.4404)
- C 4 × clamp; 316L (1.4404)
- D 4 × threaded rod DIN976-1 M16, A4
- E 20 × nut DIN EN ISO4032 M16, A4
- F 12 × screw DIN EN ISO4762 M12×25, A4
- G 8 × screw DIN EN ISO4762 M6×20, A4
- H 2 × pipe bracket Ø80 mm (3.15 in), 316L (1.4404)

Protective guard (optional)



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- I 1 × protective guard cover FMG50 - PVT400; 316L (1.4404)
- J 4 × adjustable protective guard pipe
- K 1 × protective guard top; 316L (1.4404)
- L 1 × protective guard bottom; 316L (1.4404)
- M 14 × screw DIN EN ISO4762 M6×16, A4
- N 8 × washer DIN EN ISO7089-6, A4

Tools list



Safety instructions

⚠ CAUTION

Heavy components and devices

Risk of injury, damage to equipment

- Use hoists

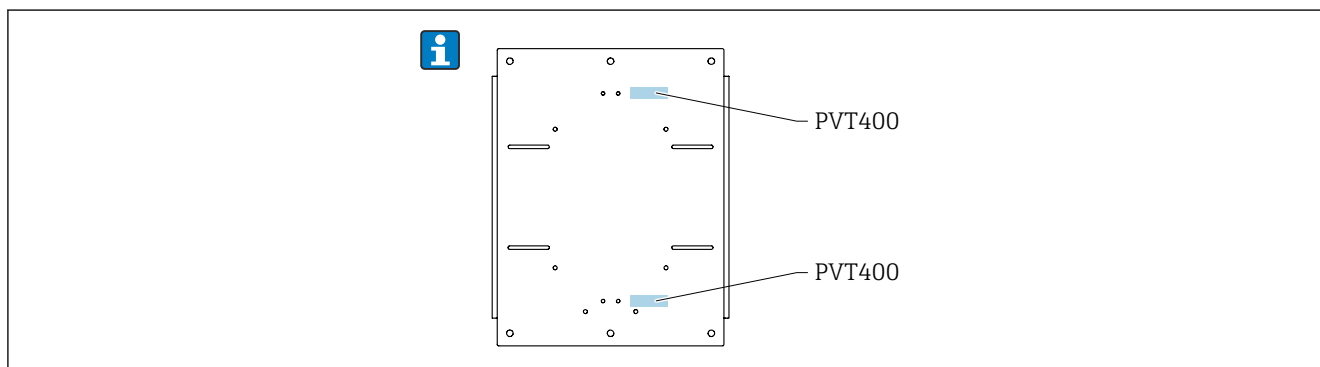
⚠ CAUTION**Protruding threaded rods**

Risk of injury

- After installation, shorten any protruding threaded rods

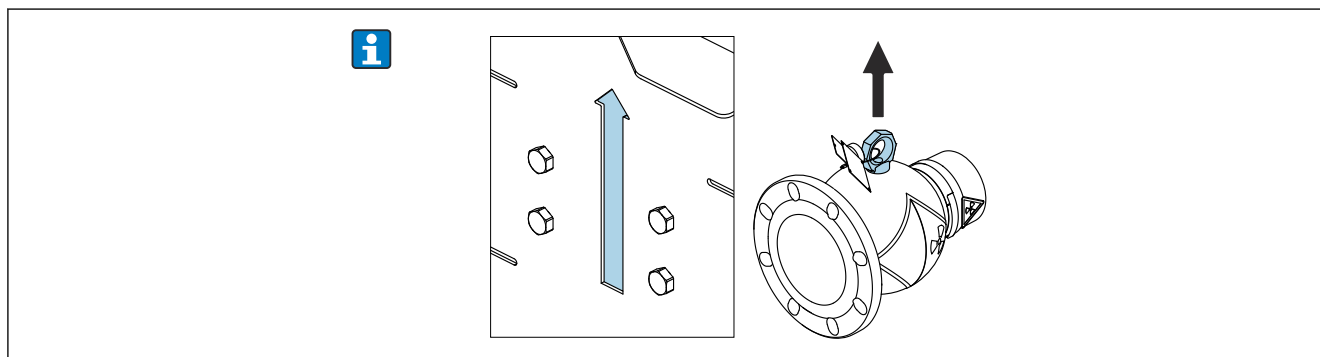
Mounting

- At least two people are required for the installation
- Mount the clamping device first and then mount the devices.
- Pay attention to the mounting position of the Gammapiilot FMG50.
- In the case of the FQG61 and FQG62, ensure that the lifting eye bolt is aligned.

Mounting position of Gammapiilot FMG50 - PVT400

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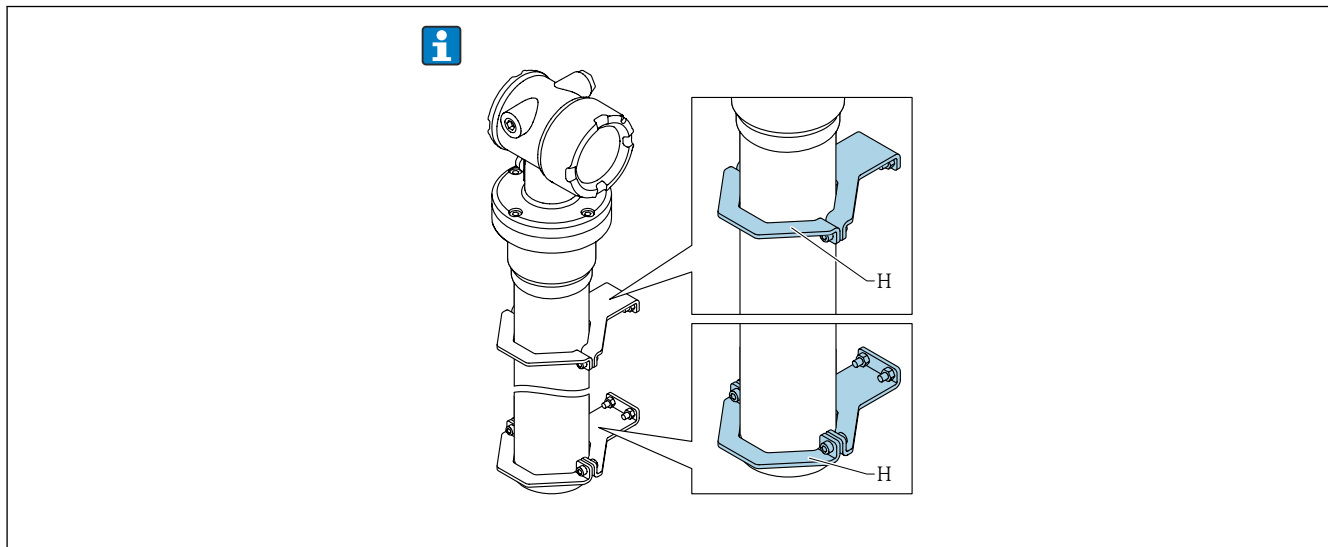
1 Mounting position of Gammapiilot

Alignment of source housing

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2 Alignment of source housing

Mounting position of pipe bracket

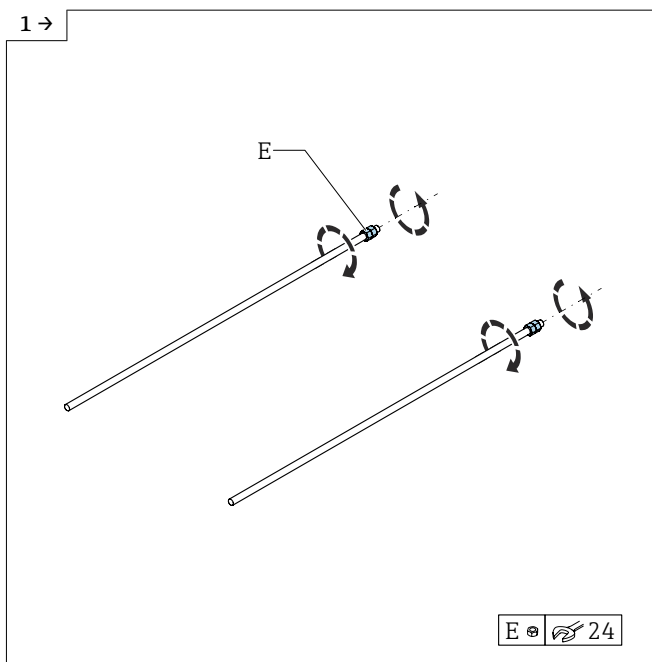


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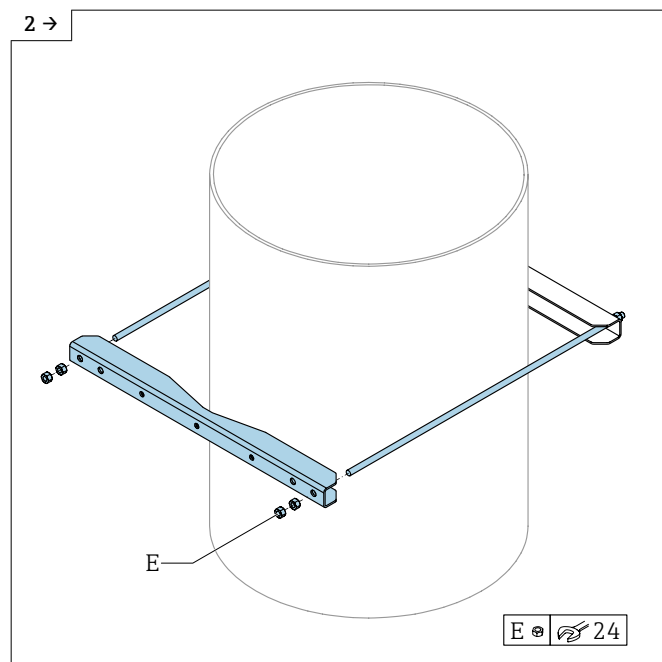
3 Mounting position of pipe bracket: FMG50 sensor - PVT400

Installation steps

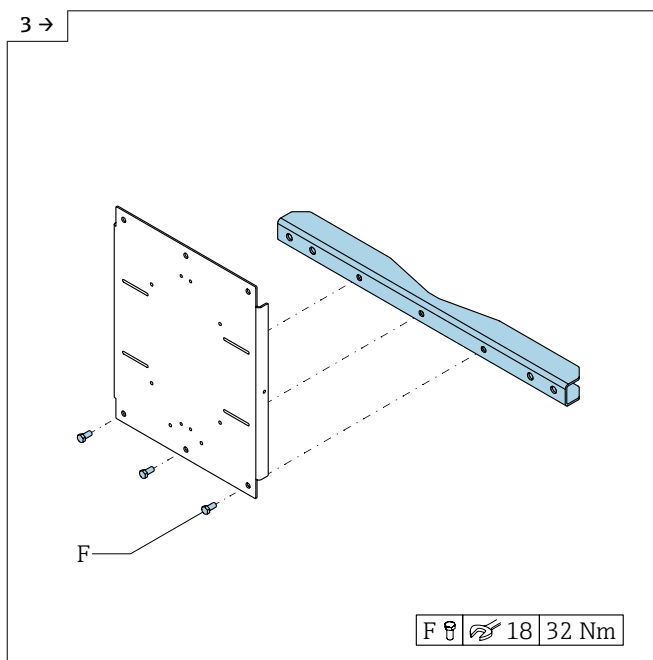
i For clamping devices without a protective guard, the mounting steps for components I to N are omitted.



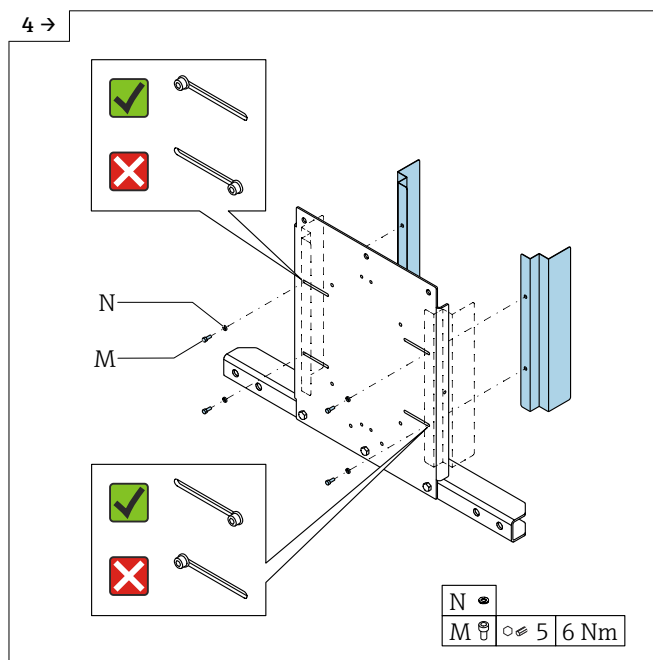
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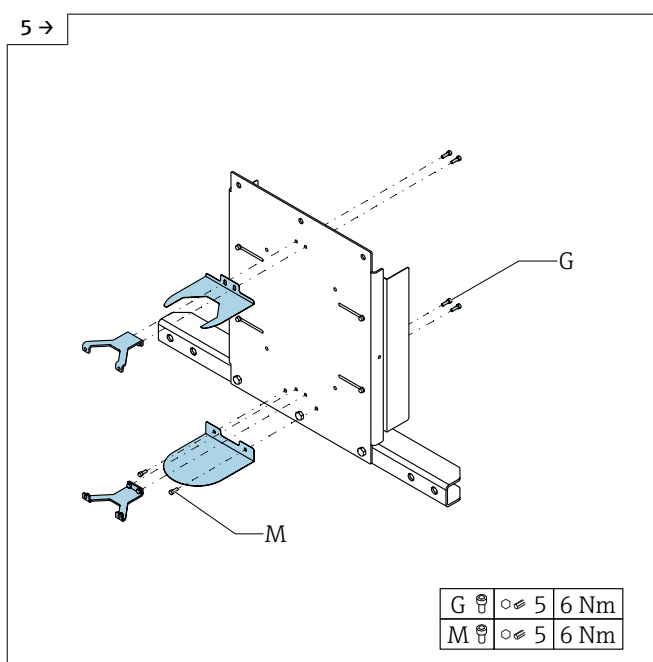
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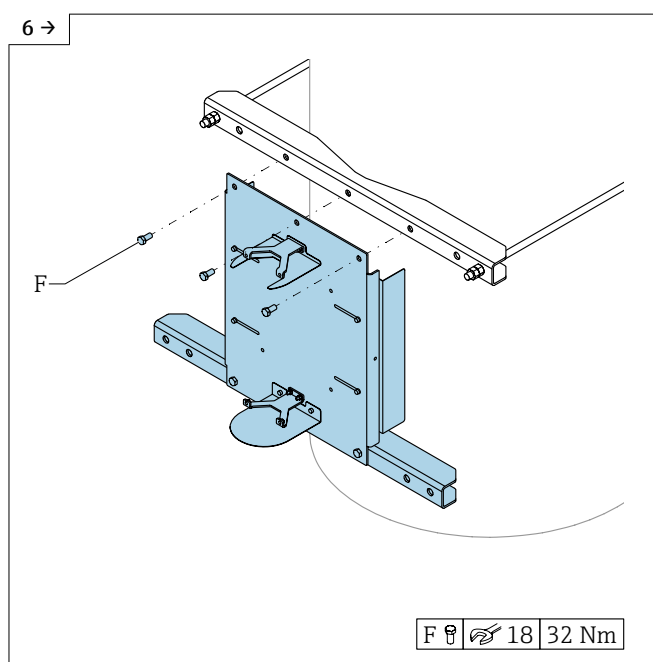
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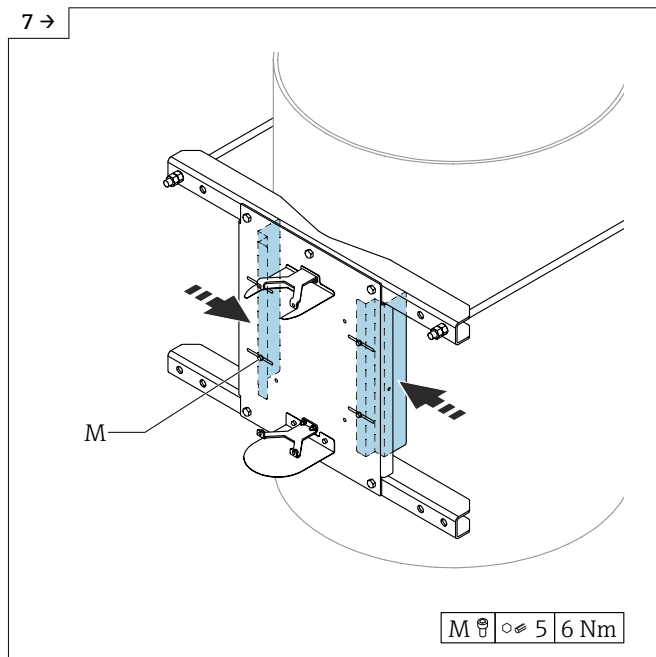


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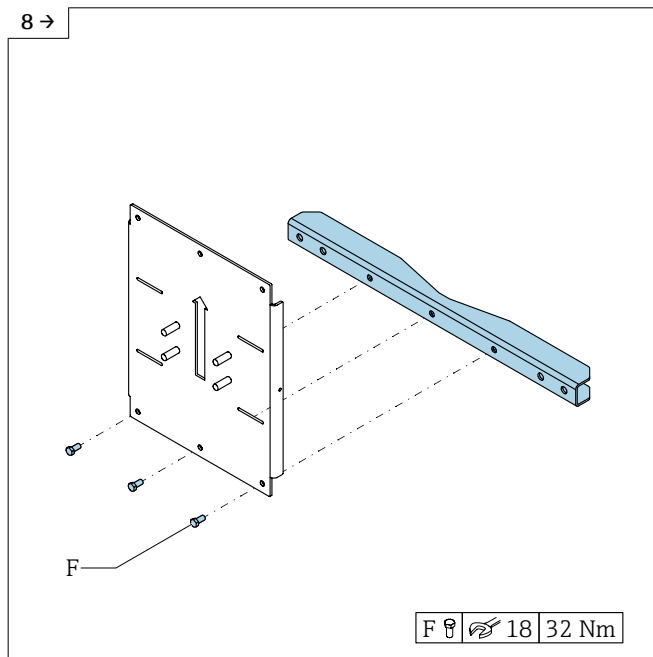
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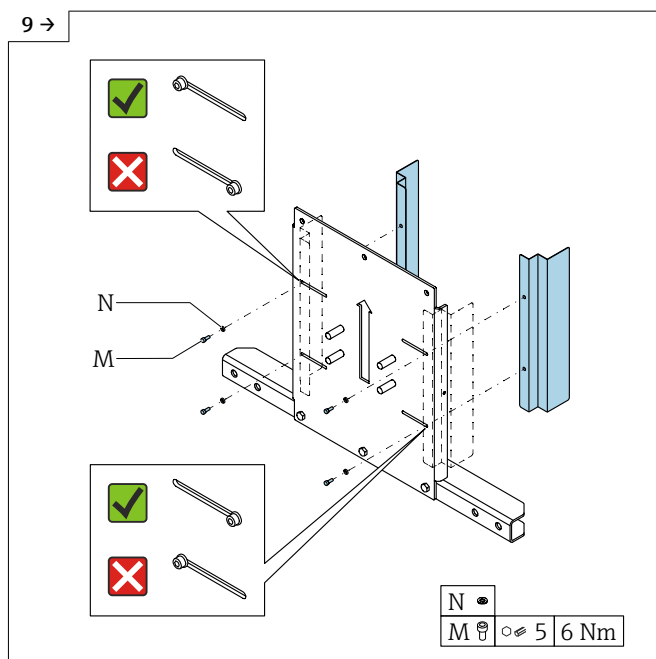
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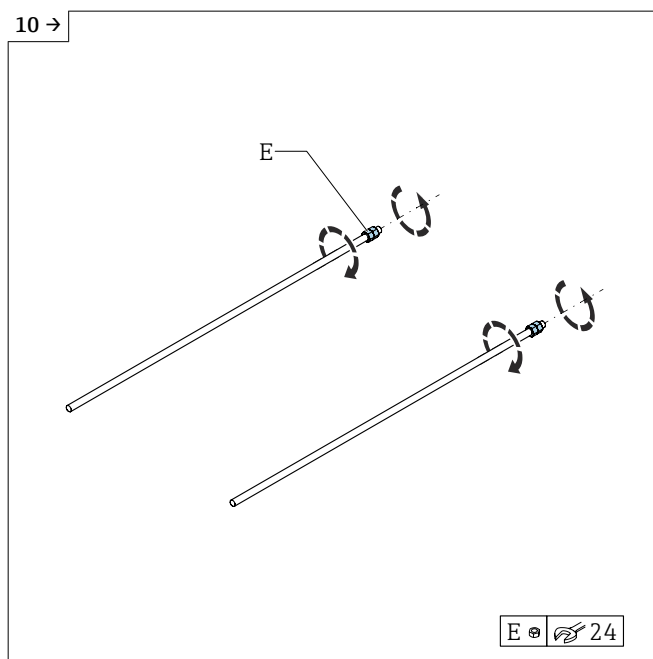
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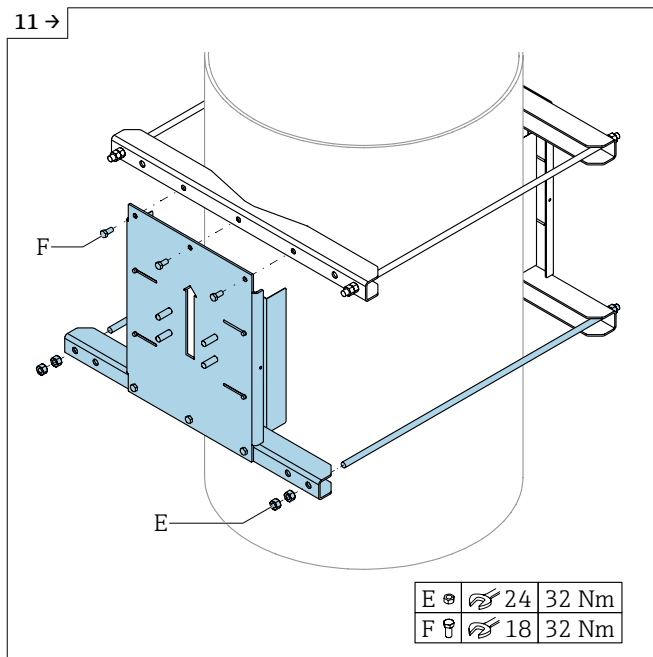
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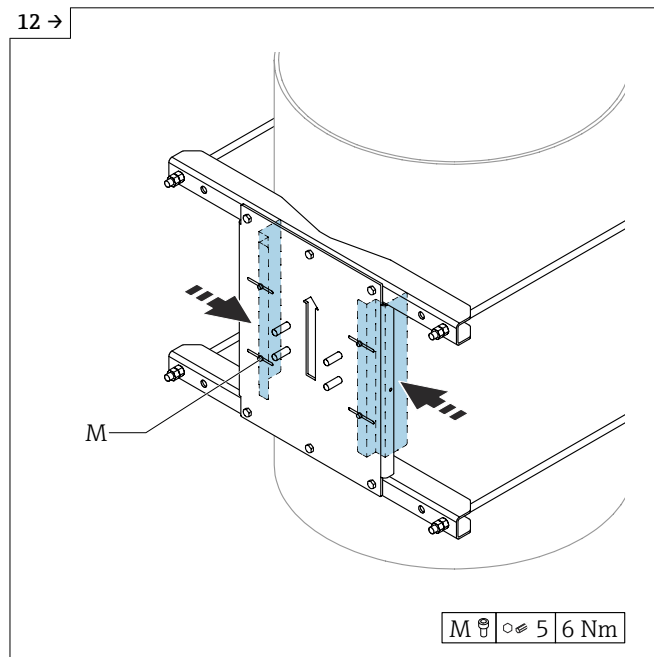
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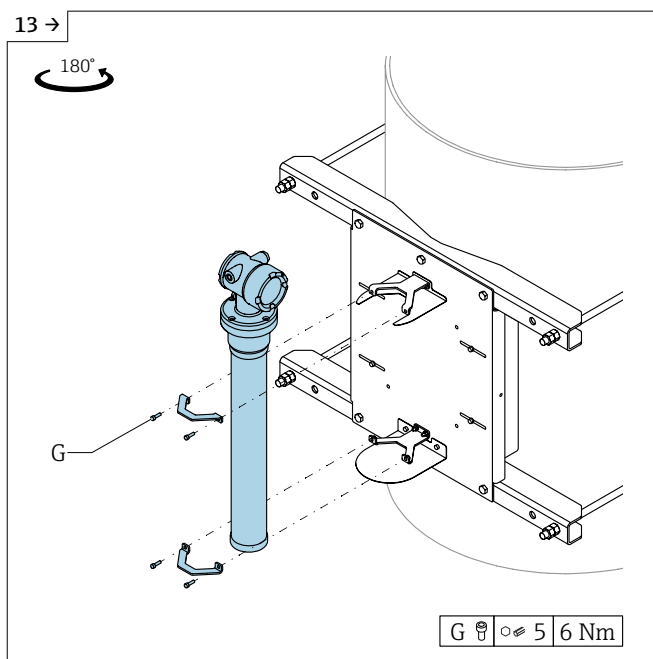
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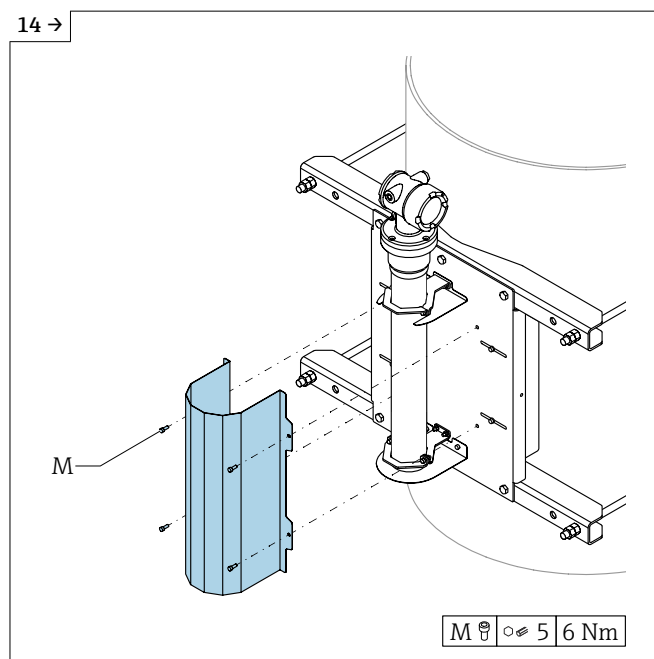
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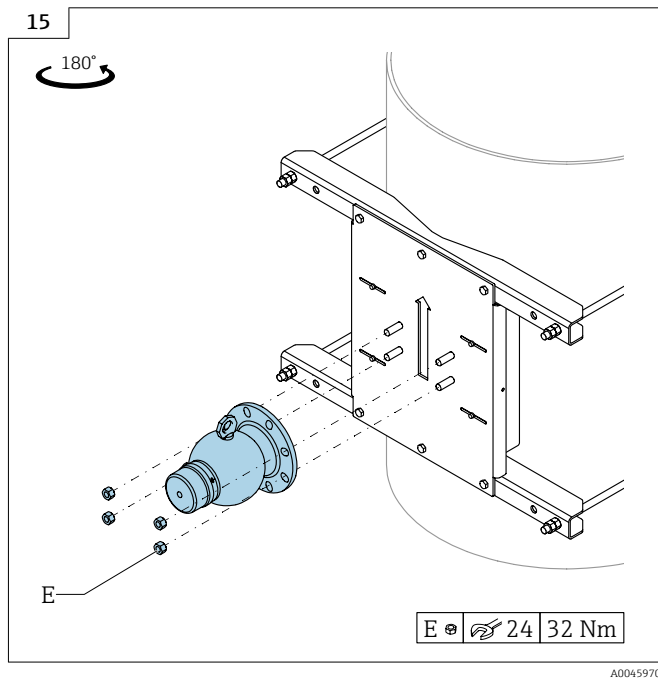


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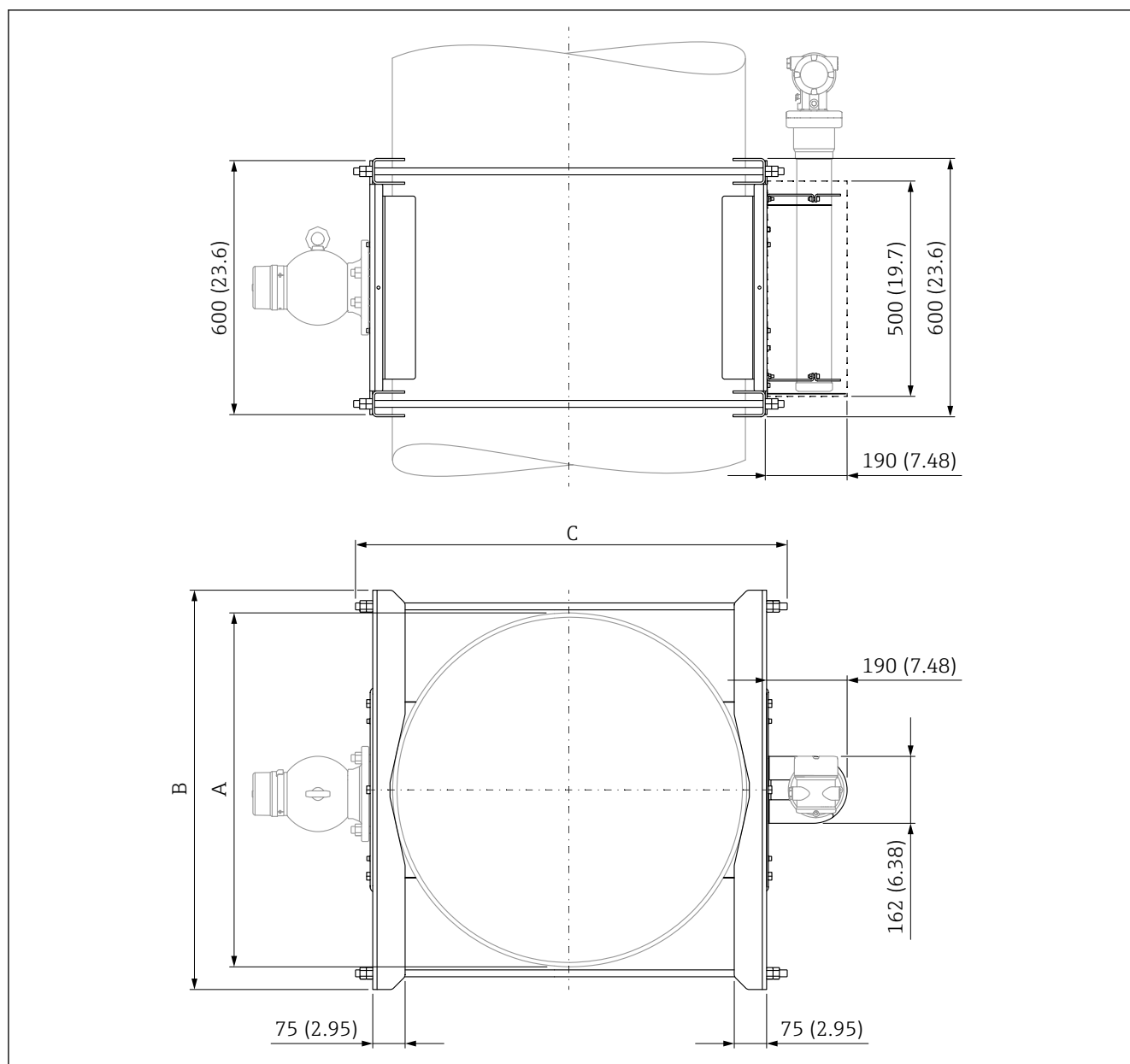
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Dimensions and weight



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Unit of measurement mm (in)

A	B	C
620 to 820 mm (24.4 to 32.3 in)	925 mm (36.4 in)	1000 mm (39.4 in)
820 to 1030 mm (32.3 to 40.6 in)	1060 mm (41.7 in)	1250 mm (49.2 in)

Weight: approx. 70 kg (without Gammapiot FMG50 - PVT400 and source housing)

Supplementary documentation

The following supplementary documentation is available in the Downloads section of the Endress+Hauser website (www.endress.com/downloads):

Gammapilot FMG50



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Source container FQG61, FQG62



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