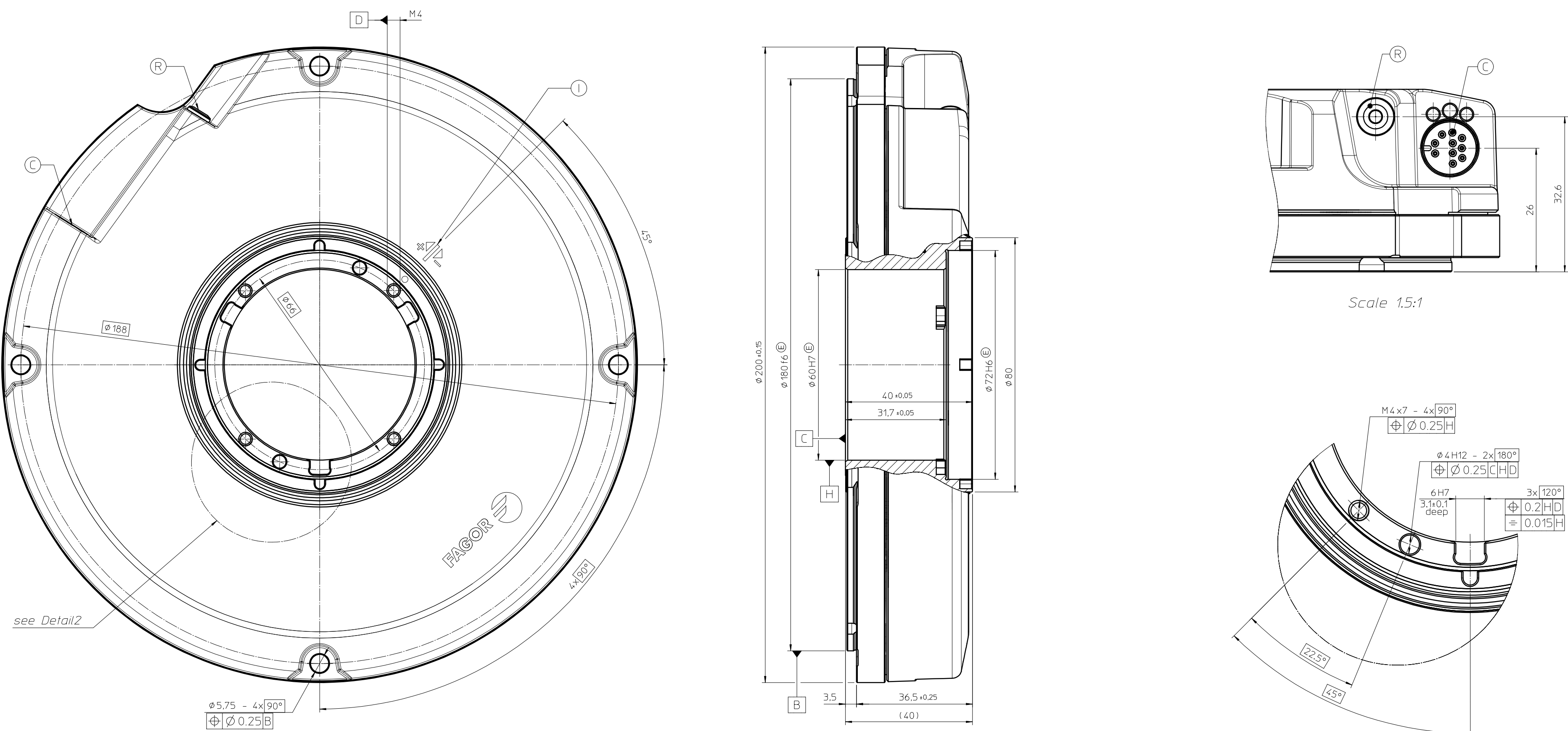
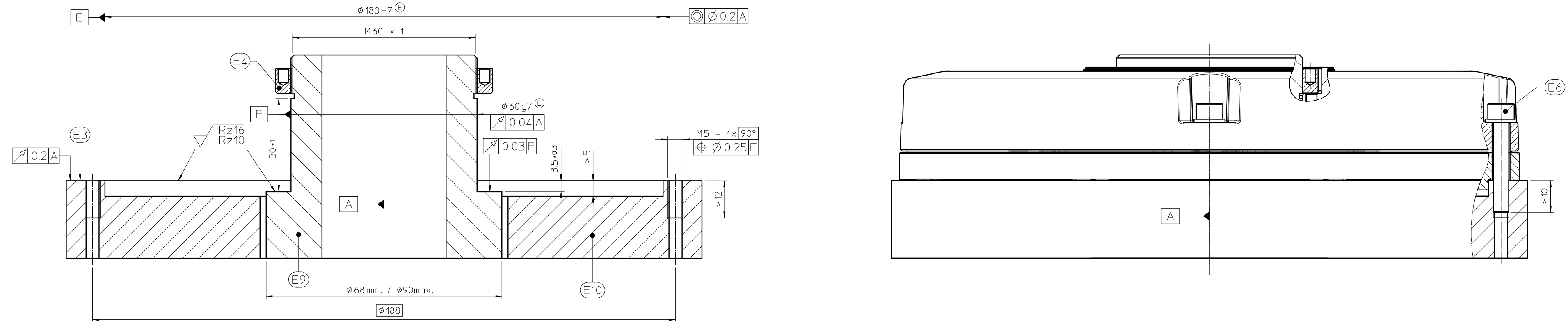


(DIMENSIONS OF THE ENCODER)

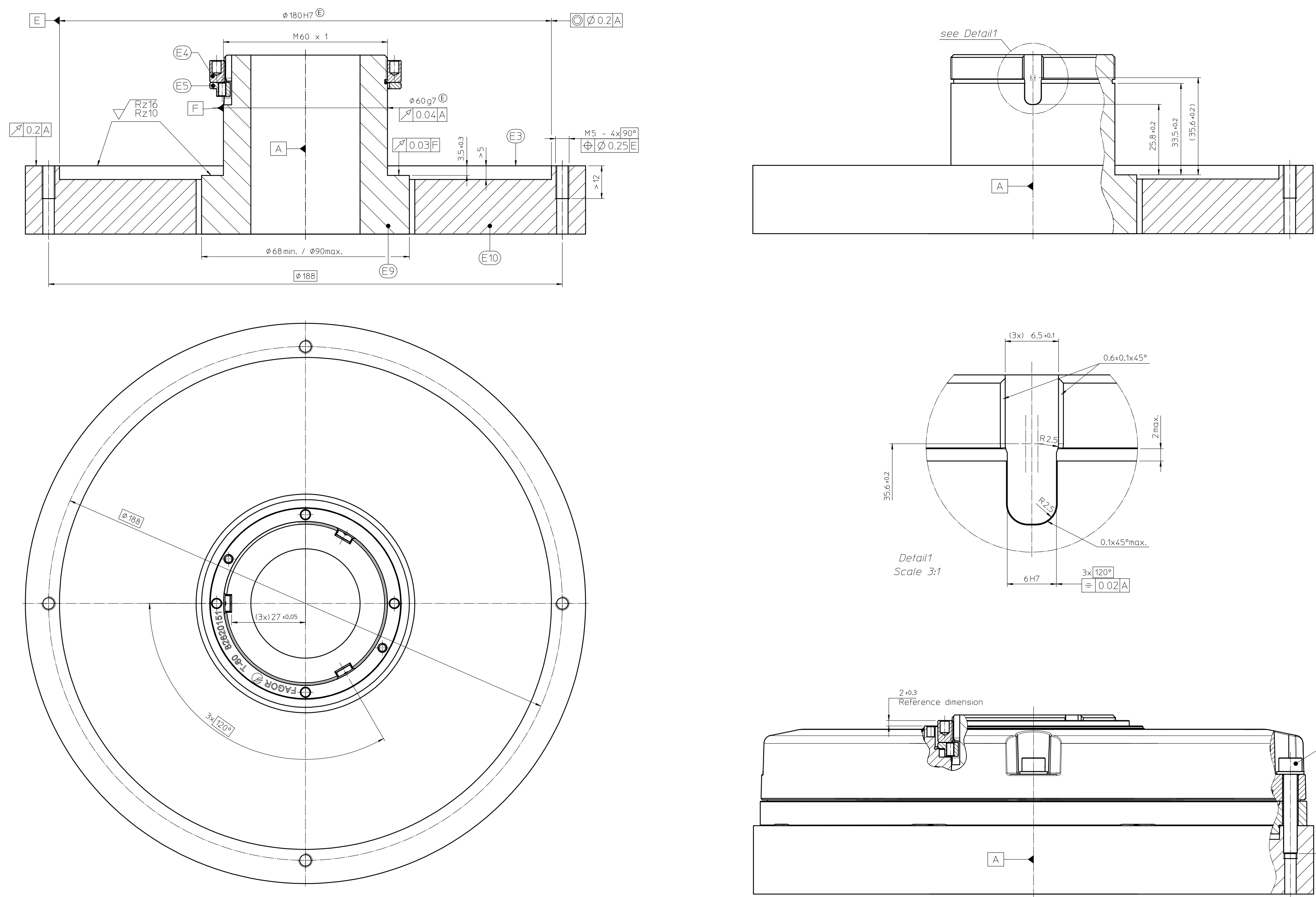


(MOUNTING OPTION: SHAFT COUPLING) (H) (N1)

WITHOUT MECHANICAL FAULT EXCLUSION

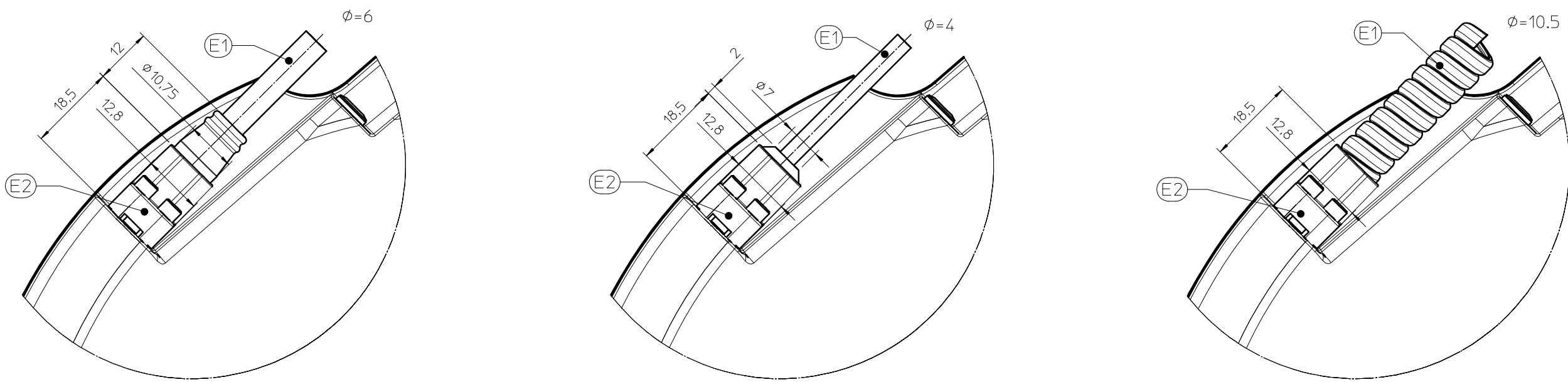


WITH MECHANICAL FAULT EXCLUSION



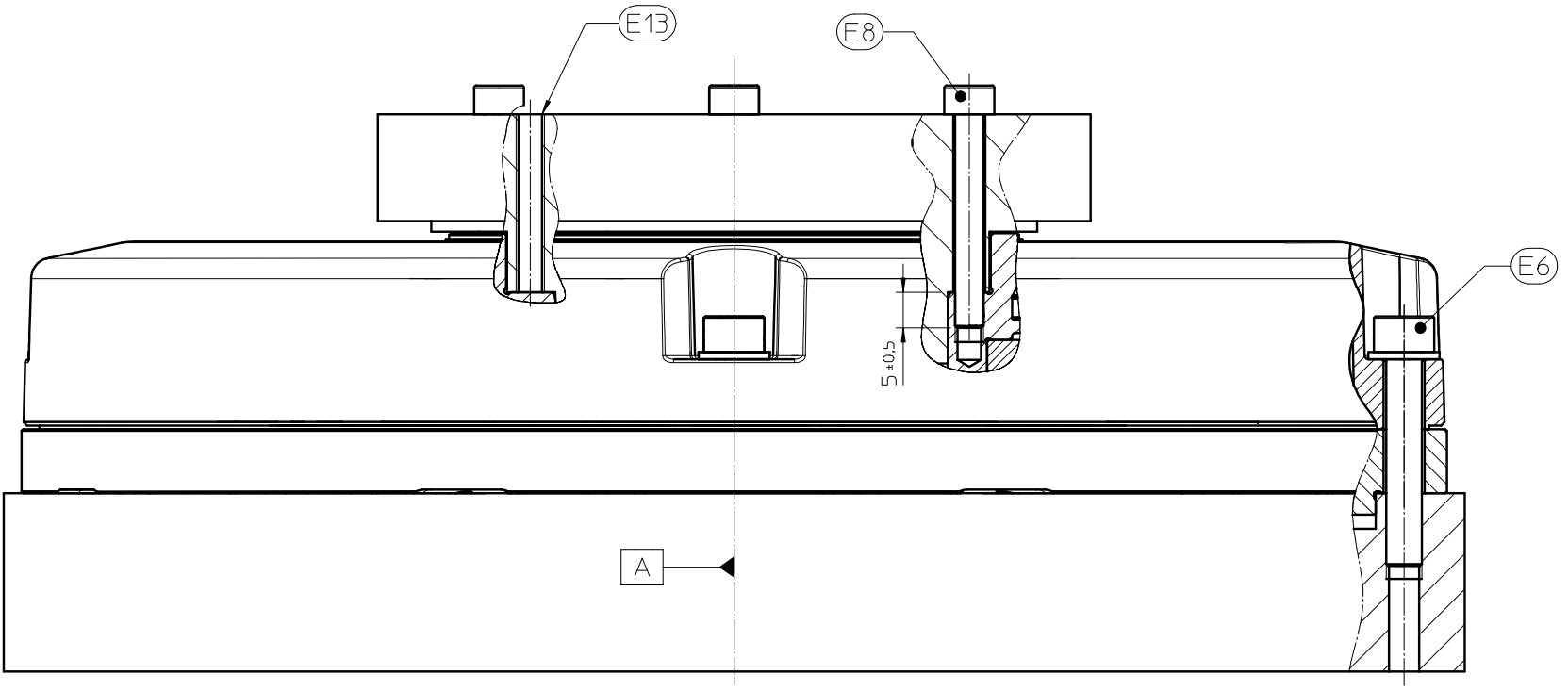
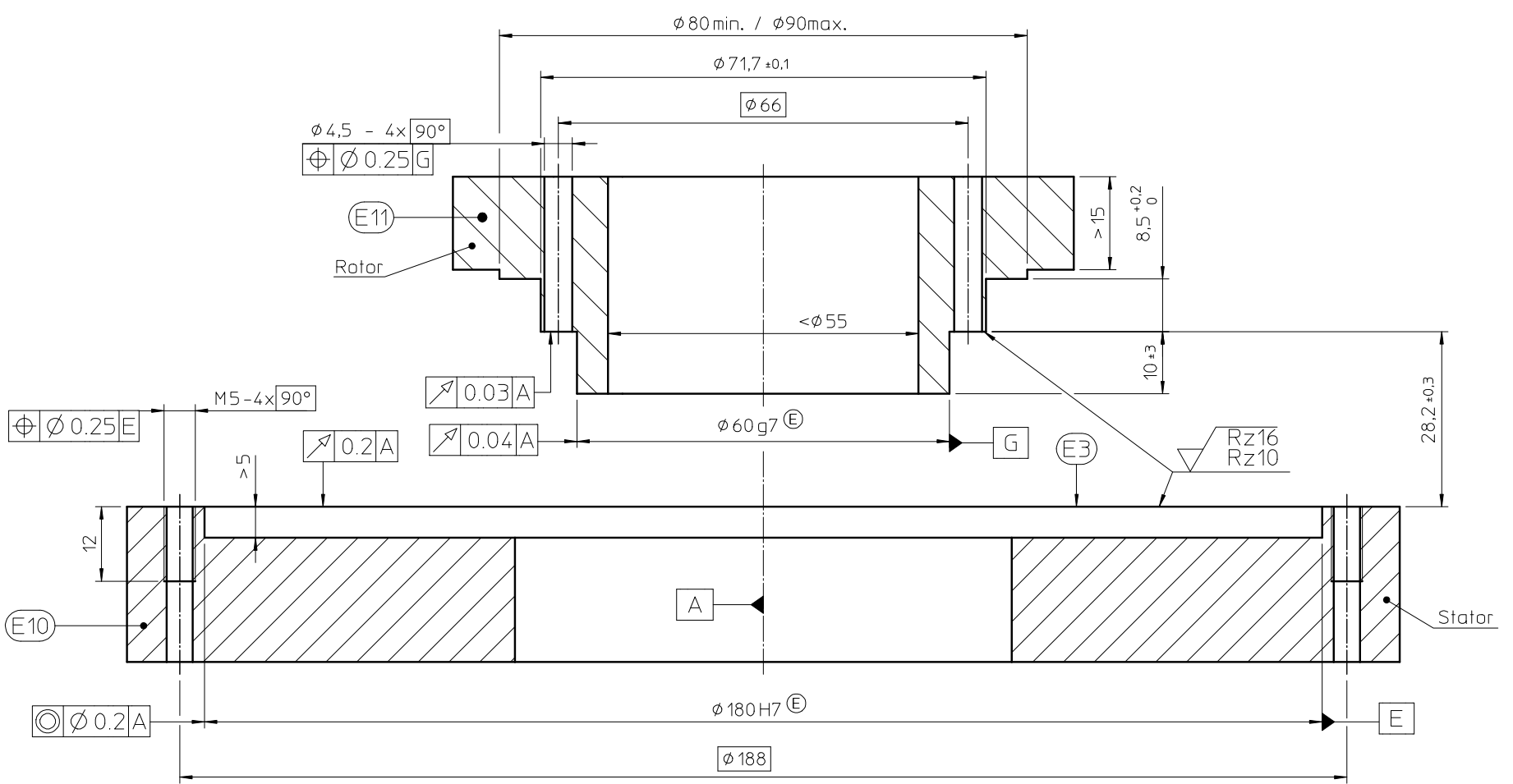
(DIFFERENT TYPES OF CONNECTOR CABLES)

- E1 - Three different type of cable:
- Cable 6mm.
  - Cable 8mm.
  - Cable 10.5mm (with protection).
- Bend radius for flexible configuration for:
- Cable 6mm: R=60mm.
  - Cable 8mm: R=60mm.
  - Cable 10.5mm: R=60mm.
- Bend radius for rigid configuration for:
- Cable 6mm: R=24mm.
  - Cable 8mm: R=16mm.
  - Cable 10.5mm: R=35mm.
- E2 - Cable support.

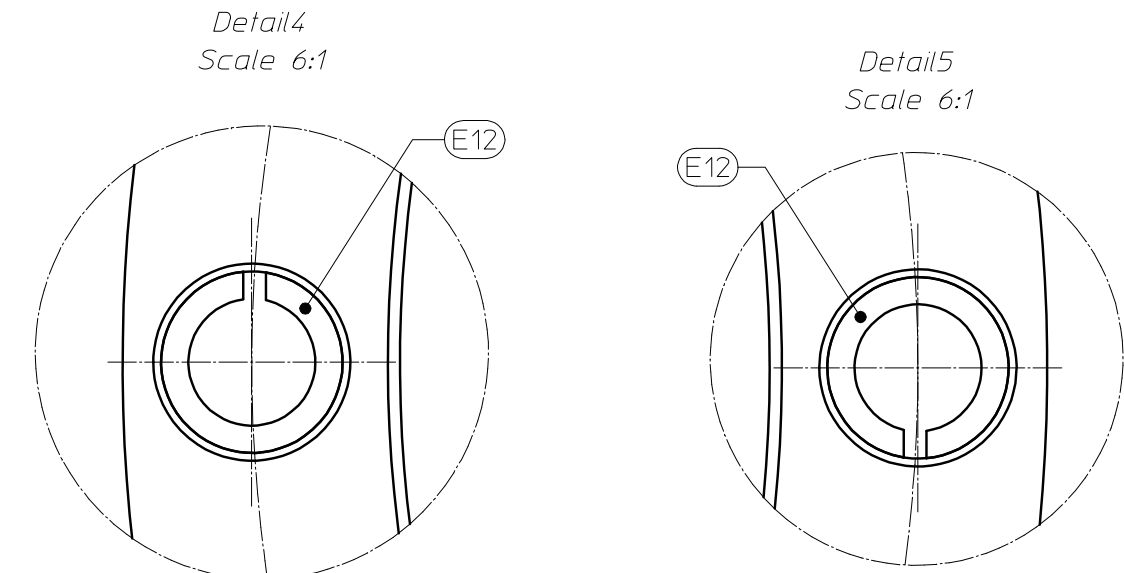
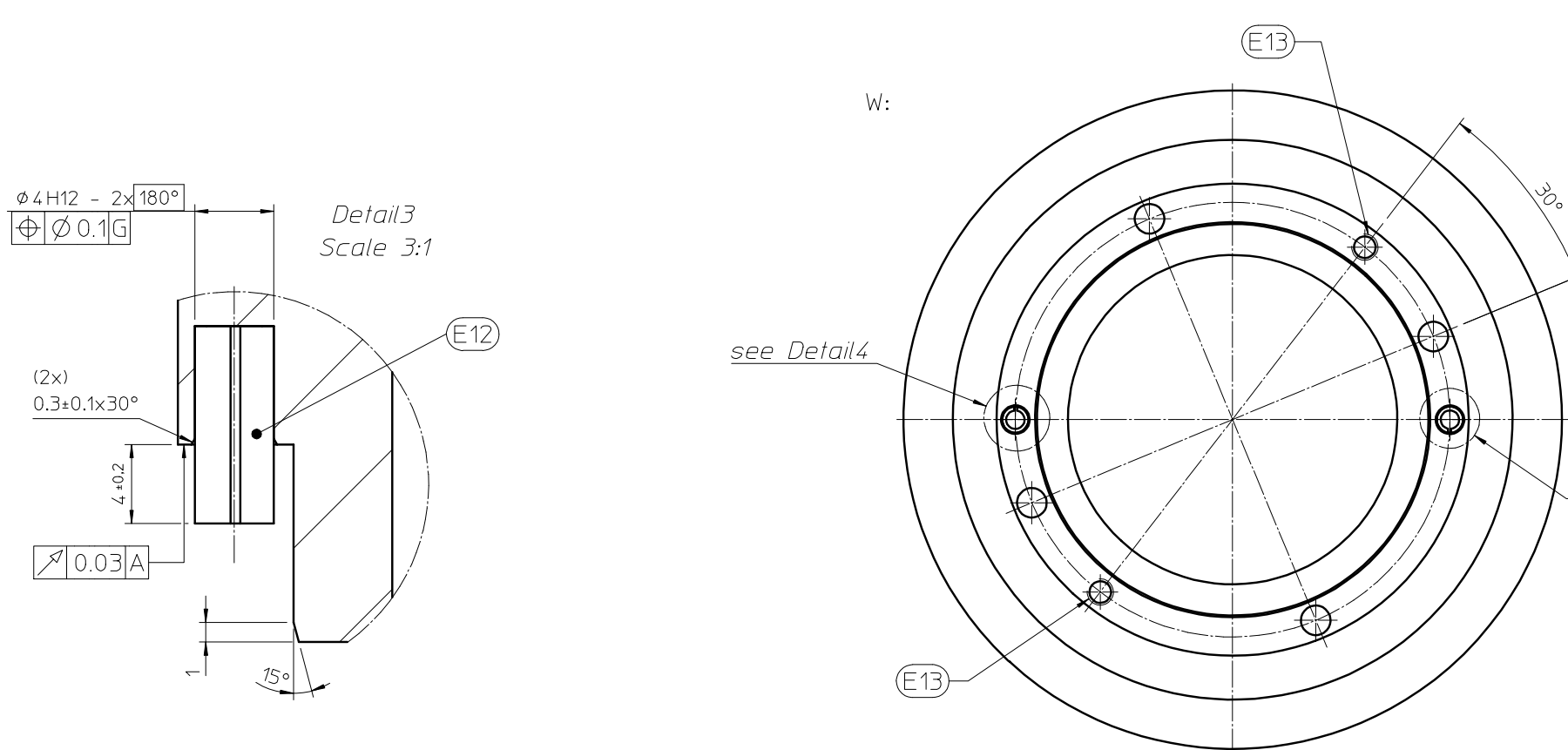
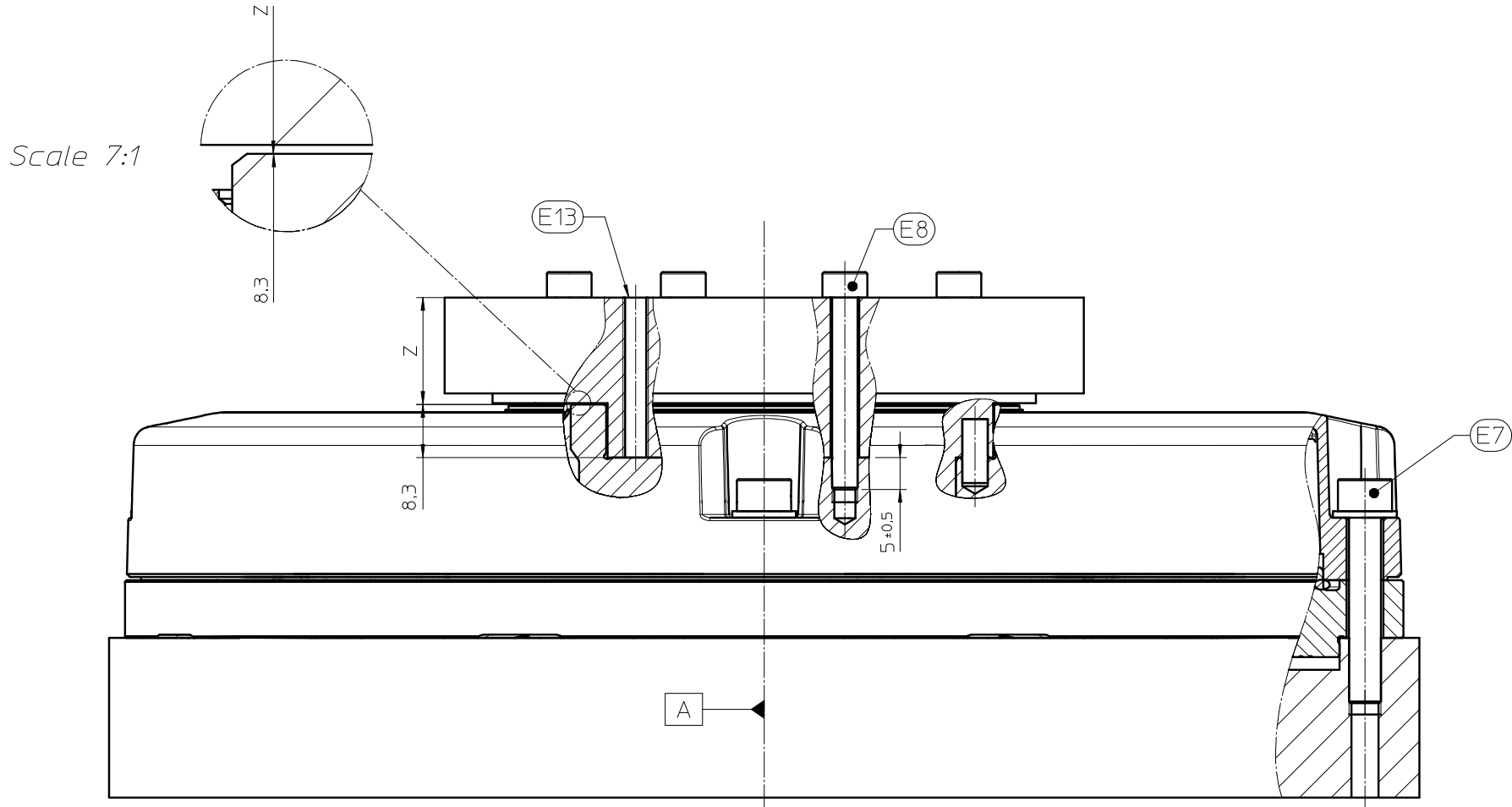
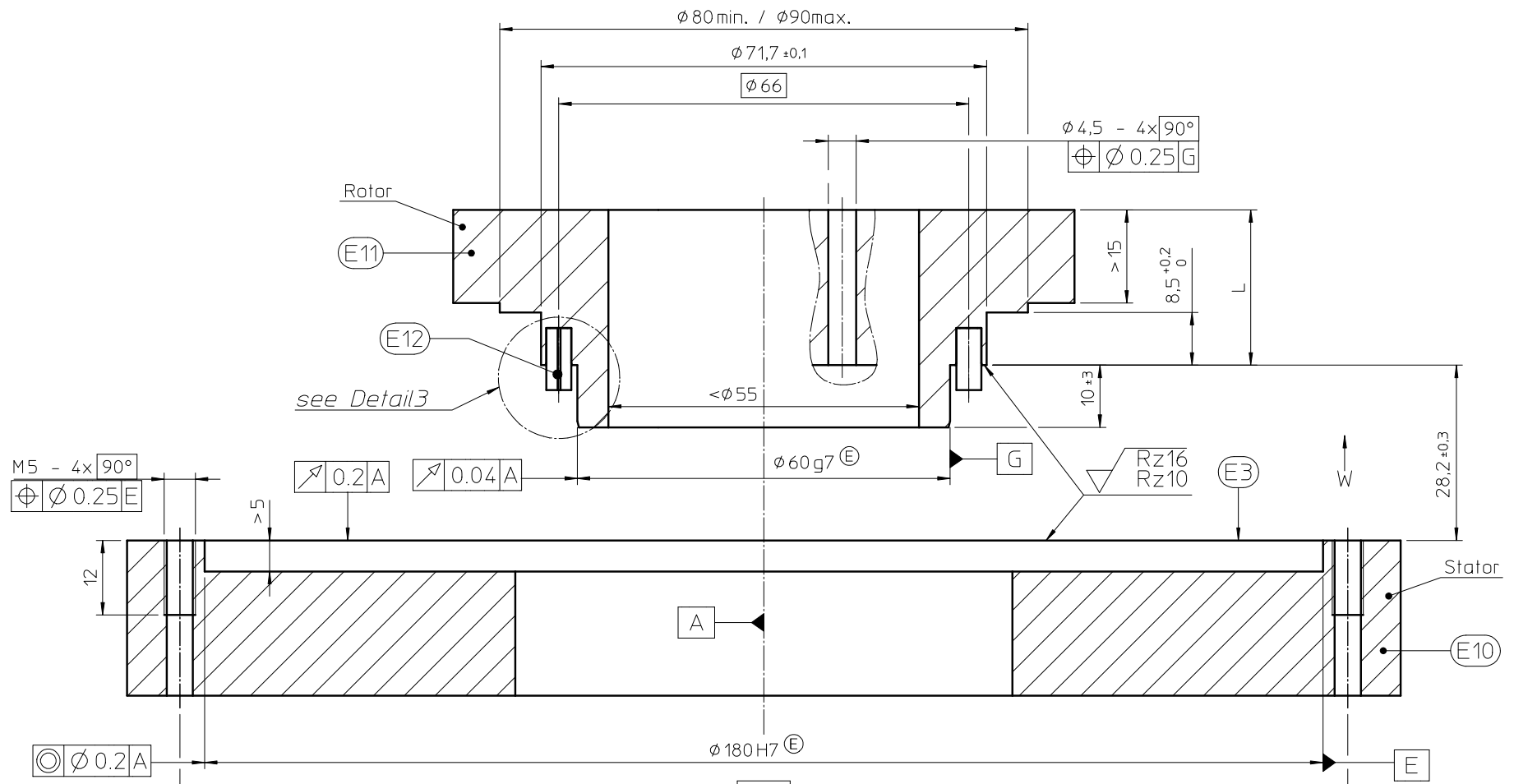


(ALTERNATIVE MOUNTING OPTION: FRONT END SHAFT COUPLING) (H) (N1)

WITHOUT MECHANICAL FAULT EXCLUSION



WITH MECHANICAL FAULT EXCLUSION



BOTH SPRING-TYPE STRAIGHT PINS:  
Mounting direction as shown or both spring-type straight pins rotated by 180° (mount slot in tangential direction), spring-type straight pin must be inserted butt-free, a potential chipping has to be removed.

(ABBREVIATIONS)

- [A] - Bearing of mating shaft.
- [B] - Assembly sizing set by customer.
- [C] - Compressed air intake.
- [D] - Connector.
- [E] - 0° position index +5°.
- [F] - Direction of shaft rotating for output signals is described in interface description.
- [G] - Mounting surface.
- [H] - Id: 8262051 Tightening torque of rig nut: 50-55Nm. Materially bonding anti-rotation lock necessary for mating shaft when mounted.
- [I] - Id: 8262056 (Shaft coupling) Mechanical fault exclusion: washer using with ring nut (E4) necessary.
- [J] - Hexagon socket head cap screws M5: 5x0.15Nm. Screw: DIN912-M5x30. Whasher: DIN433-5-200HV. Materially bonding anti-rotation lock necessary.
- [K] - Hexagon socket head cap screws M6: 23x0.15Nm. Screw: DIN912. Screw property class: 8.8. Whasher: DIN433-5-200HV. Materially bonding anti-rotation lock necessary.
- [L] - Material of MATING SHAFT: steel. Without mechanical fault exclusion: Rp0.2x370N/mm². With mechanical fault exclusion: Rp0.2x500N/mm². Rn=650N/mm². Coefficient of thermal expansion: (10-16)x10⁻⁶/K.
- [M] - Material of MATING HOUSING: steel. Rp0.2x370N/mm². Without mechanical fault exclusion: Rp0.2x370N/mm². With mechanical fault exclusion: Rp0.2x500N/mm². Rn=650N/mm². Coefficient of thermal expansion: (10-16)x10⁻⁶/K.
- [N] - Material of ROTOR: steel. Without mechanical fault exclusion: Rp0.2x370N/mm². With mechanical fault exclusion: Rp0.2x500N/mm². Rn=650N/mm². Coefficient of thermal expansion: (10-16)x10⁻⁶/K.
- [O] - 2x spring type straight pin for mechanical fault exclusion necessary (DIN4341-4x10). Mounting sequence:  
1. Mount spring-type straight pins in correct angular position (see detail 4 and 5) in part E11.  
2. Mount part E11 using E8 screws.  
3. Pay attention to reference dimension Z: L-8.3-2x0.15.
- [P] - Using spring-type straight pins removing threads (M4) necessary, otherwise optional.
- [Q] - Mounting surfaces and threads must be clean and free of grease.
- [R] - Tightening torque.

Rev.	Summary	1	Propo	App	Date	Finish
Nº	Designation	Quant.	Material	Treatment		
Drawing N.	PT-2-011-2	Date	06/2020	Fagor Automation S. Coop.	20500 Mandragón	
Replaces		Check by	ZUNZU			

Scale: 1:1  
Dimensions in mm  
Tolerancing ISO 8015  
ISO 2768 - m H  
± 0.1 mm, ± 0.2 mm