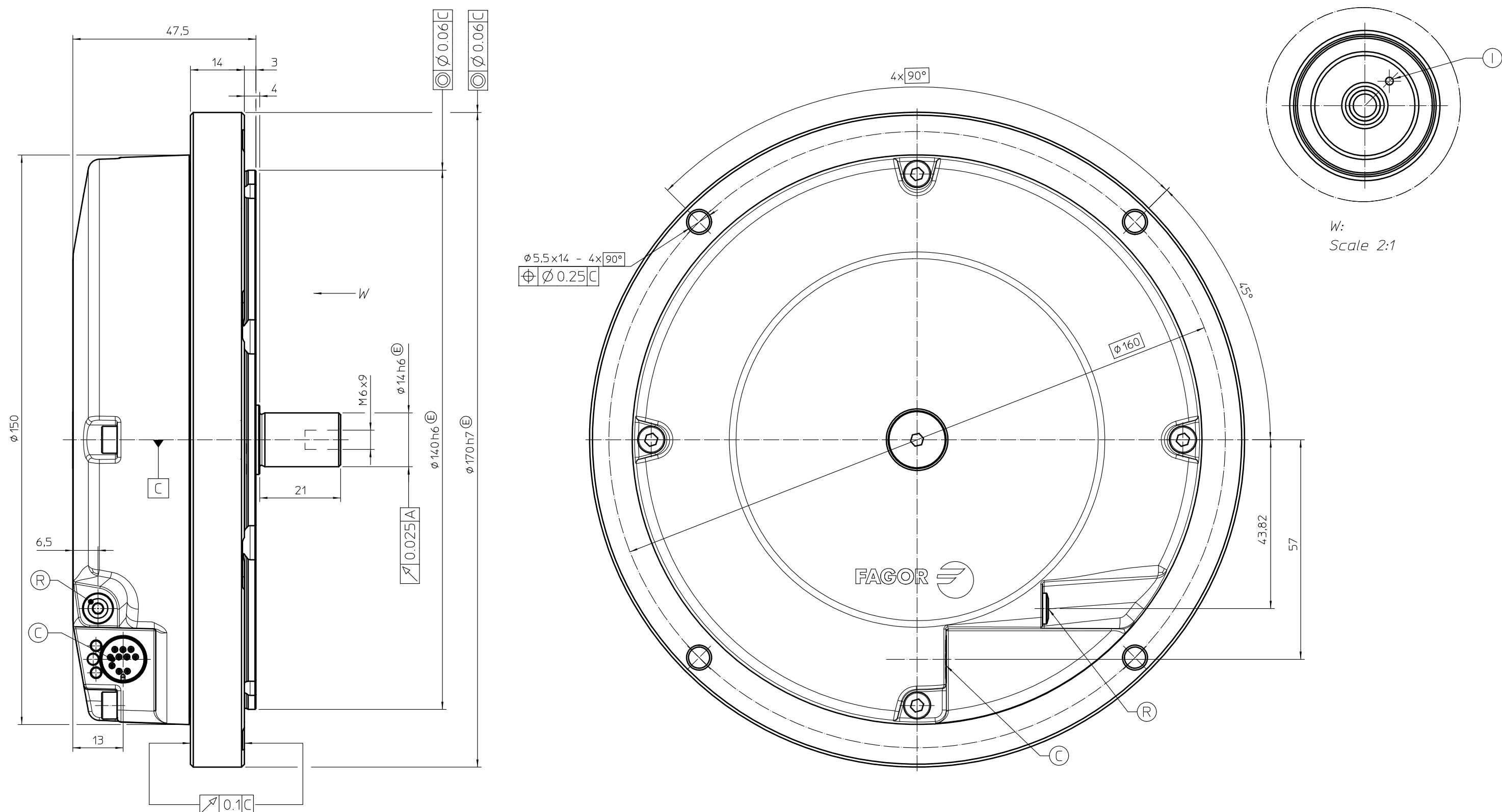


DIMENSIONS OF THE ENCODER



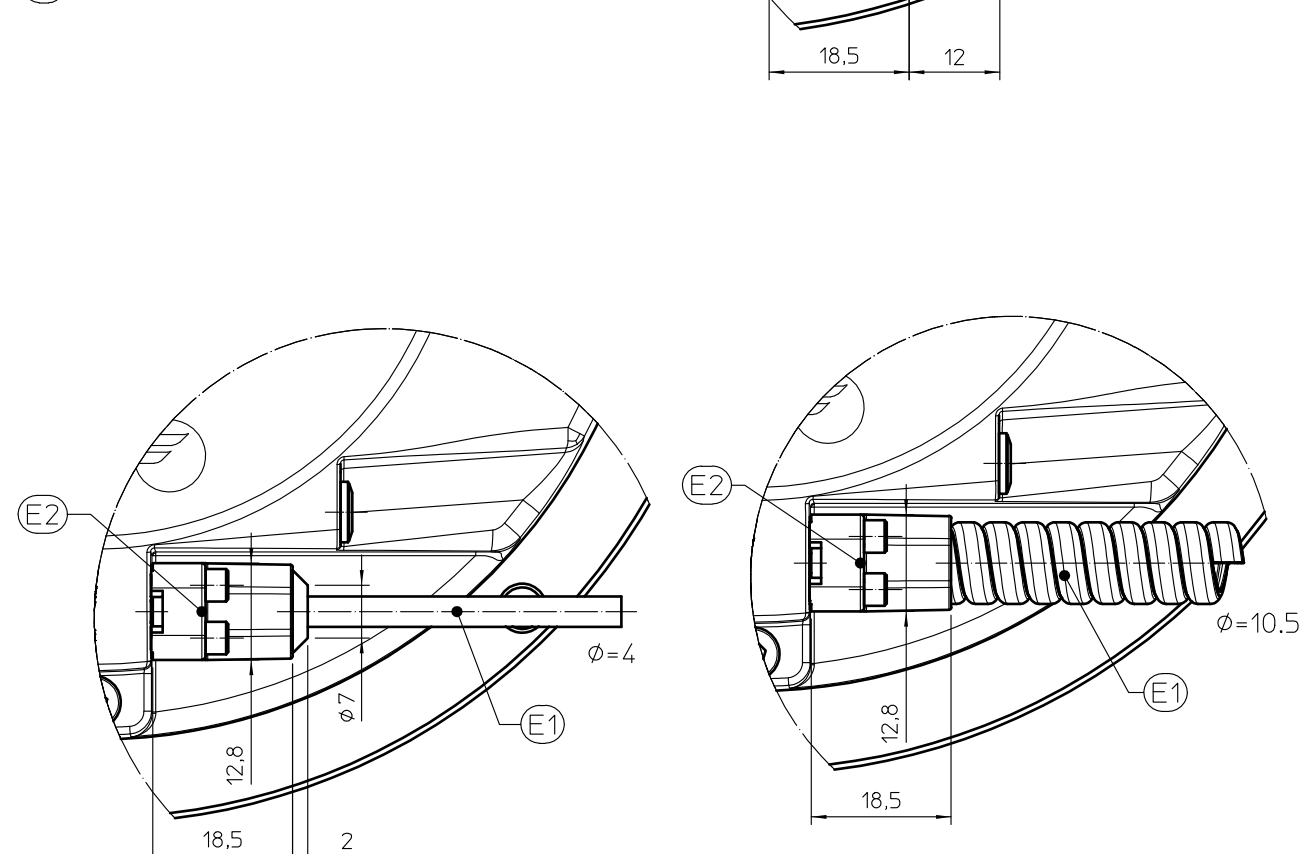
DIFFERENT TYPES OF CONNECTOR CABLES

E1 = Three different types of cable:
- Cable 6mm
- Cable 4mm
- Cable 10.5mm (with protection)

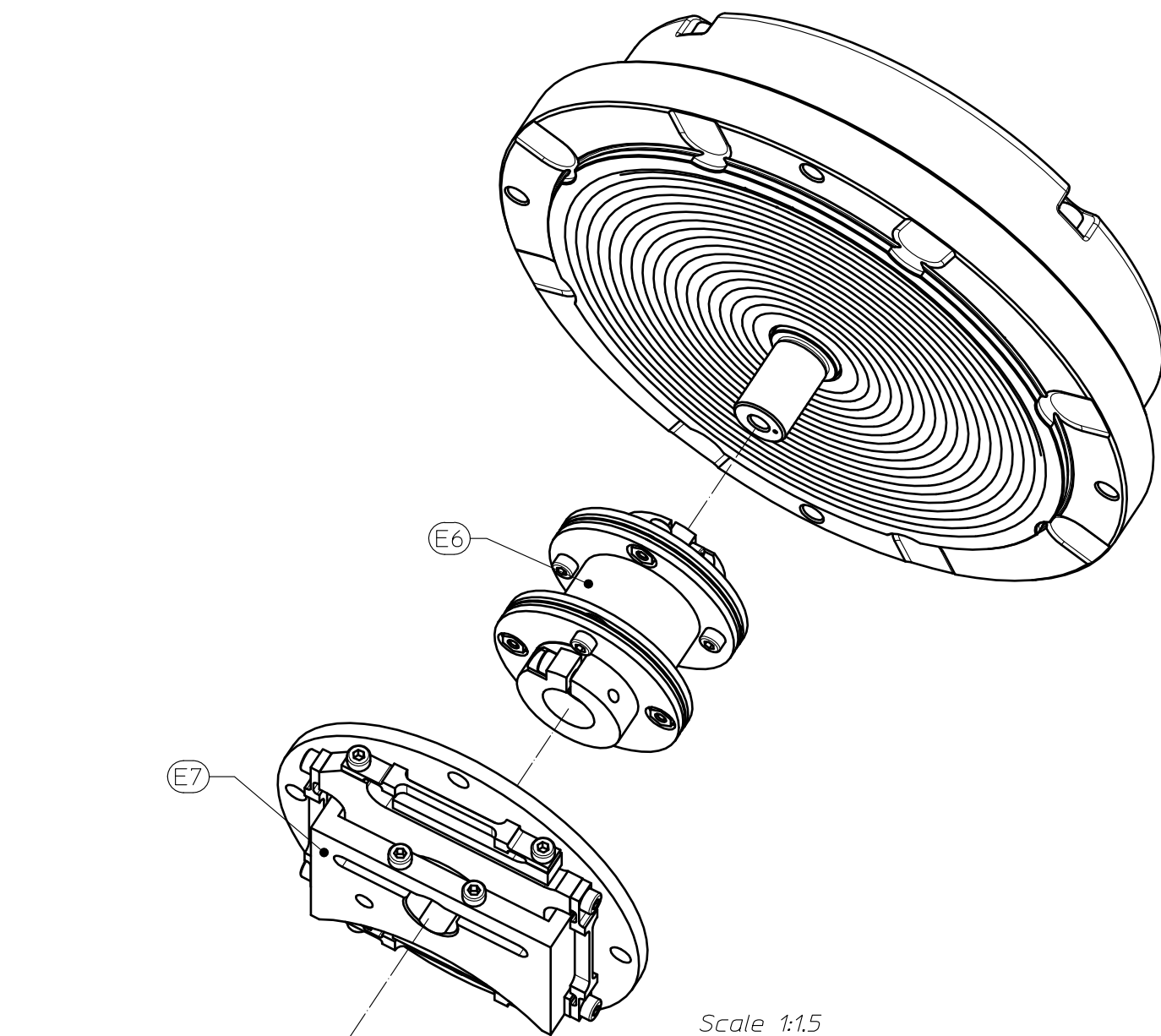
Bend radius for flexible configuration for:
- Cable 6mm: R>60mm
- Cable 4mm: R>40mm
- Cable 10.5mm: R>60mm

Bend radius for rigid configuration for:
- Cable 6mm: R>24mm
- Cable 4mm: R>16mm
- Cable 10.5mm: R>35mm

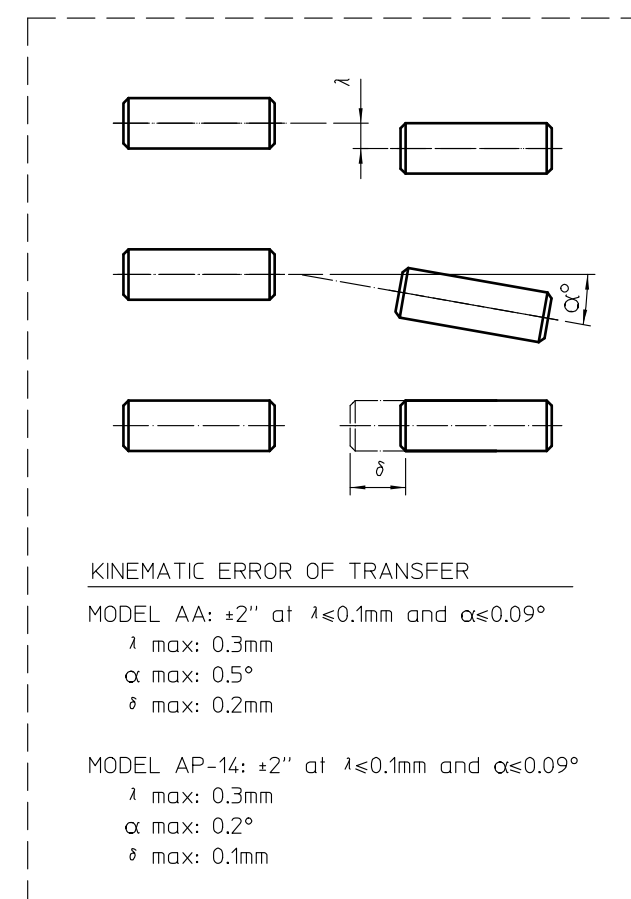
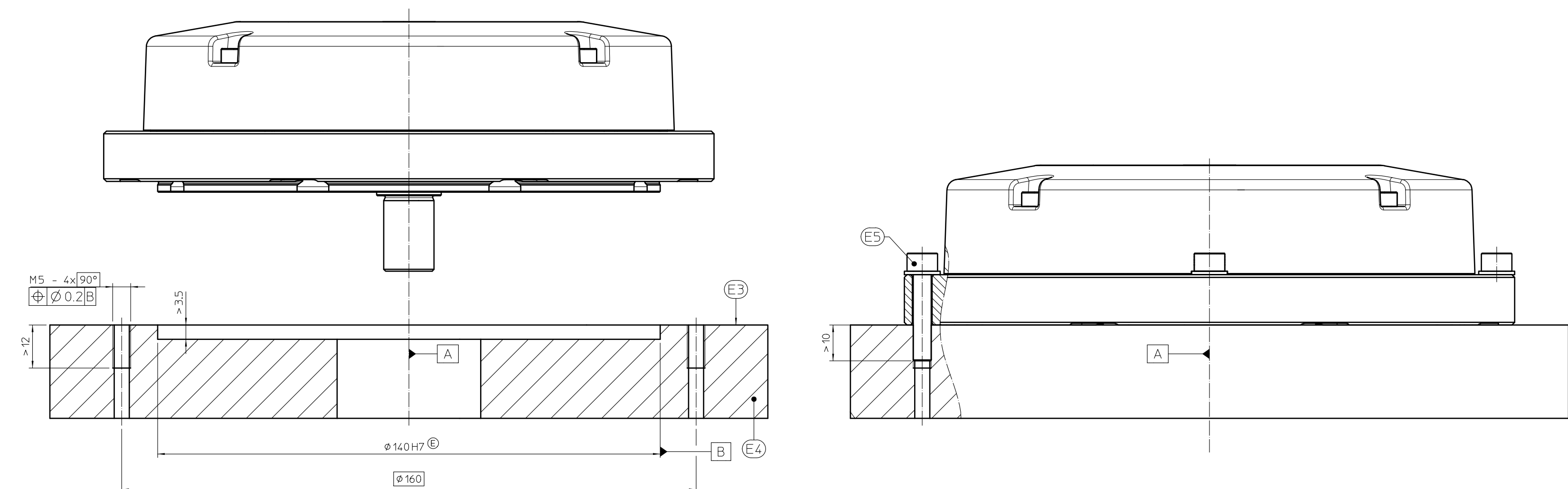
E2 = Cable support.



COUPLING OPTIONS

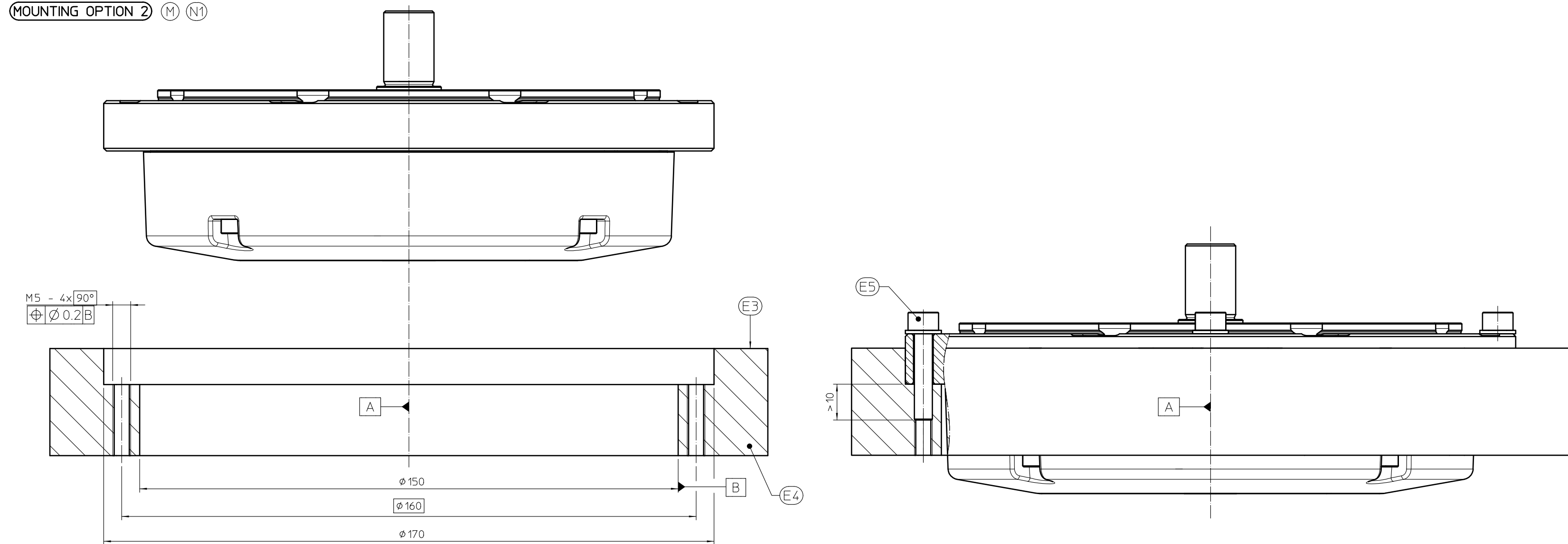


MOUNTING OPTION 1 (M) (N1)



KINEMATIC ERROR OF TRANSFER
MODEL AA: $\pm 2''$ at $\lambda \leq 0.1\text{mm}$ and $\alpha \leq 0.09^\circ$
 λ max: 0.3mm
 α max: 0.5°
 δ max: 0.2mm
MODEL AP-14: $\pm 2''$ at $\lambda \leq 0.1\text{mm}$ and $\alpha \leq 0.09^\circ$
 λ max: 0.3mm
 α max: 0.2°
 δ max: 0.1mm

MOUNTING OPTION 2 (M) (N1)



ABBREVIATIONS

A = Bearing of mating shaft

M = Assembly sizing set by customer

R = Compressed air intake

C = Connector

1 = 0° position index $\pm 5^\circ$

Direction of shaft rotating for output signals is described in interface description.

E3 = Mounting surface.

E4 = Material of MATING PIECE: steel, Rp0.2 $\times$ 370N/mm²

E5 = Hexagon socket head cap screw M5: Pa=5 $\times$ 0.2Nm
Screw: DIN912-M5 $\times$ 25
Screw properly class: Inox A2
Washer: DIN 125-5-200HV A2
Materially bonding anti-rotation lock necessary.

E6 = Coupling model AA: ID=82100090.

E7 = Coupling model AP-14: ID=82592001.

E8 E9 = M3, Pa=1.2Nm.

N1 = Mounting surfaces and threads must be clean and free of grease.

Pa = Tightening torque.

Summary				Propa.	App.	Date	Scale: 1:1
Rev.	Designation	Quant.	Material	Treatment			Dimensions in mm Tolerancing ISO 8015 ISO 2768 - m H < 6 mm: ± 0.2 mm
Drawing N	PT-2-014-1	Date	06/2020	Fagor Automation S. Coop. 20500 Mondragón			
Replaces		Design by	AINARA	Check by			