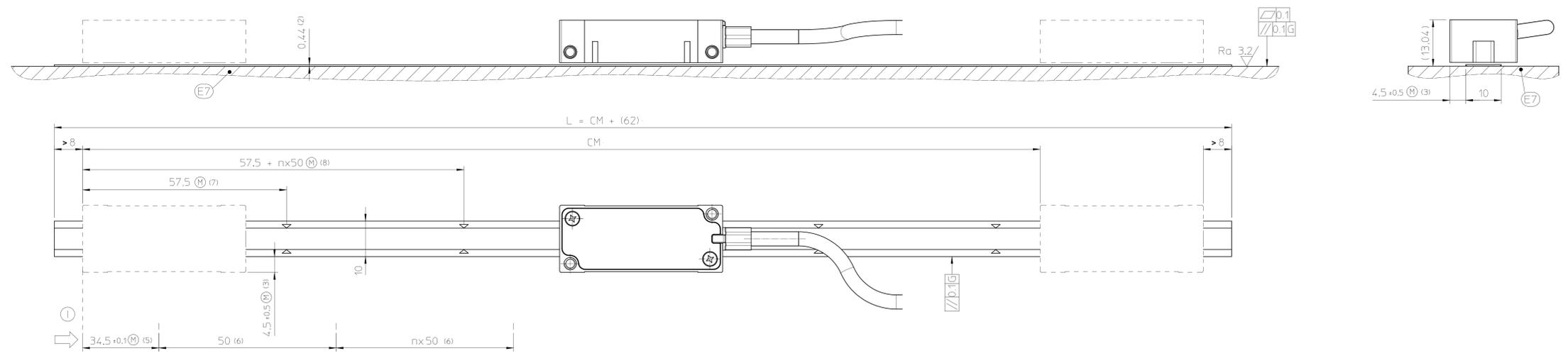
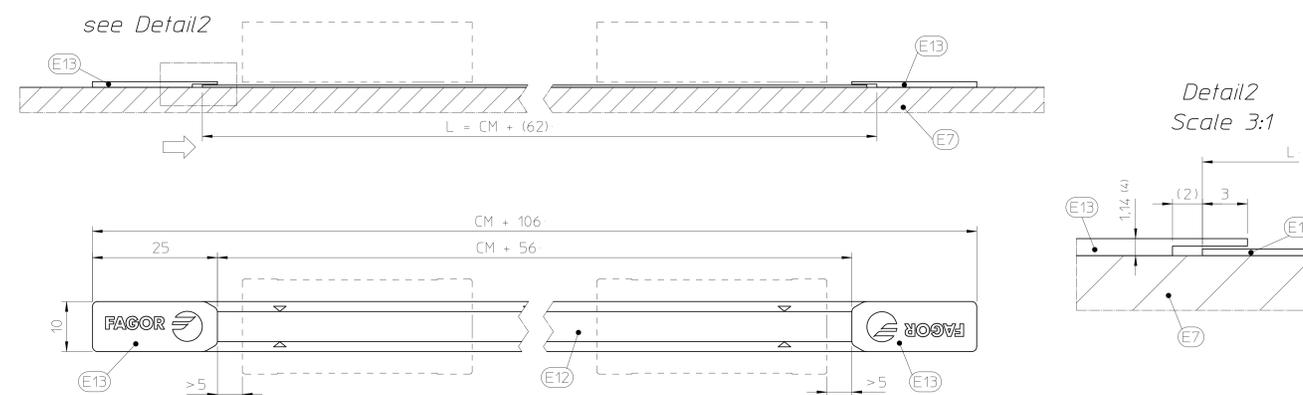


GENERAL DIMENSIONS

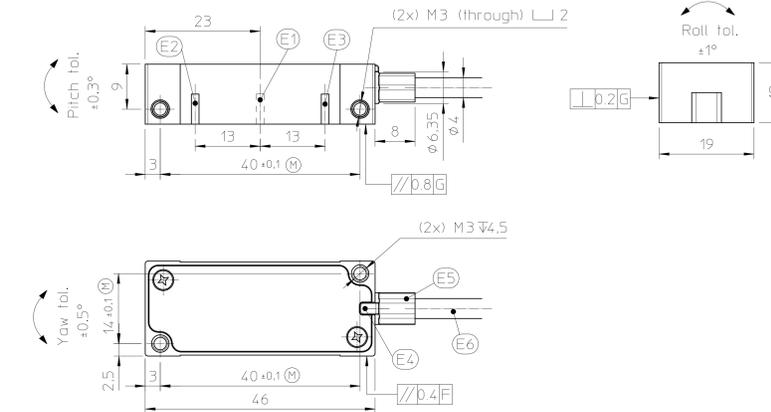
DIMENSIONS OF THE SCALE



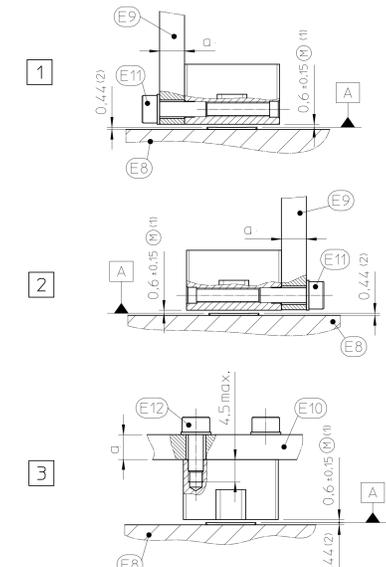
DIMENSIONS OF THE SCALE WITH OPTIONAL TAPE ENDS



DIMENSIONS OF THE HEAD



HEAD MOUNTING OPTIONS



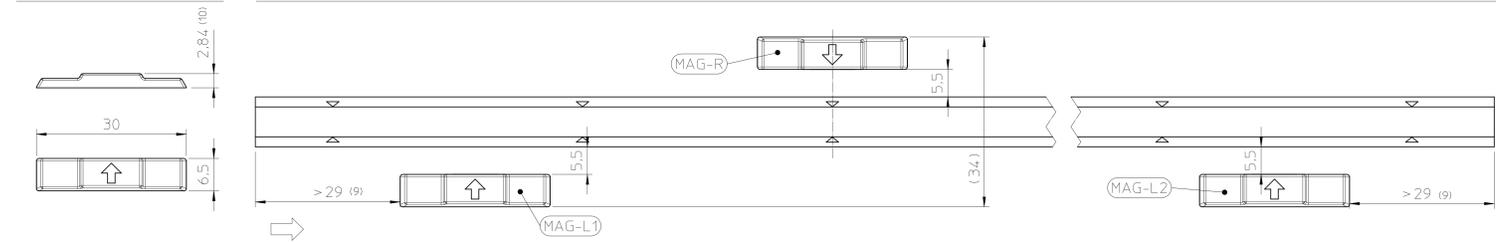
ABBREVIATIONS AND NOTES

- (E1) = Position of the reference sensor. Optical center (incremental mark)
- (E2) = Limit sensor position (positive direction)
- (E3) = Limit sensor position (negative direction)
- (E4) = Status led
- (E5) = Cable support
- (E6) = Cable Ø4mm
Bend radius: - For flexible configuration: R>40mm
- For rigid configuration: R>16mm
- (E7) = Mounting surface
- (E8) = Head mounting lateral bracket
- (E9) = Head mounting superior bracket
- (E10) = M3x(α+7); Pa=1.2Nm;
use a flat washer according to the screw
- (E11) = M3x(α+4); Pa=1.2Nm;
use a flat washer according to the screw
- (E12) = Scale tape
- (E13) = End-cover. Cod.: 82V00105
- (E14) = Optical reference mark

REFERENCE MARKS AND LIMITS

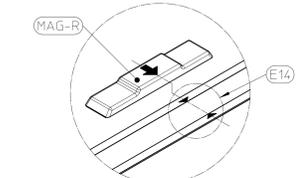
GENERAL DIMENSIONS

MOUNTING DIMENSIONS



PLACEMENT OF REFERENCE MARKS

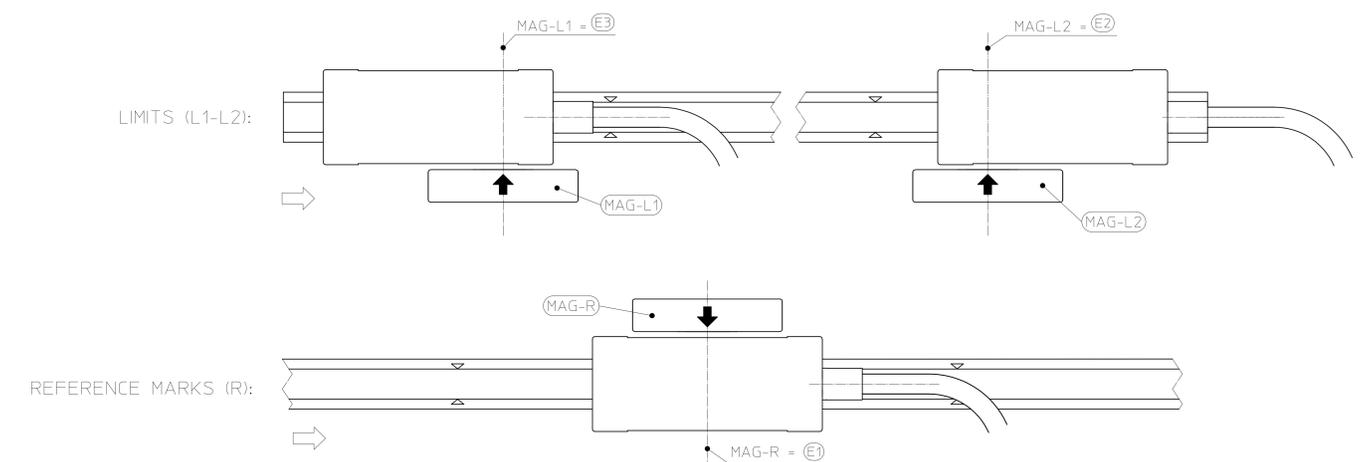
Line up the magnetic reference mark with the optical reference mark (E14) (every 50mm on the steel tape)



MEANING OF THE ARROW COLOR

COLOR	MEANING
RED	Start limit (MAG-L1)
BLUE	End limit (MAG-L2)
GREY	Reference (MAG-R)

HEAD SENSOR DETECTION



CONDITION	MEANING
MAG-L1 = (E3)	Head limit in negative direction
MAG-L2 = (E2)	Head limit in positive direction
MAG-R = (E1)	The head detects the position of the reference mark

*Match the arrows with their corresponding head sensor

- (MAG-L1) = Travel start limit mark. Cod.: 82V00010
- (MAG-L2) = Travel end limit mark. Cod.: 82V00011
- (MAG-R) = Reference mark. Cod.: 82V00012

- (1) = Beginning of the measuring length
- (2) = Positive reading direction
- CM = Measuring length
- G = Machine guideway
- F = Longitudinal direction of the scale
- L = Scale tape length
- Pa = Tightening torque
- (M) = Assembly sizing set by customer
- lo = Reference mark
- n = Number of lo marks
- 1 2 3 = Mounting options
1 and 2 are not compatible with the use of reference marks and limits
- (1) = Distance between Scanning head and Scale tape (E12)
- (2) = Scale thickness (includes adhesive tape)
- (3) = Reader head centered relative to the scale tape
- (4) = Thickness of the End-cover (E13) (includes adhesive tape)
- (5) = Indicates the position from (1) at which the head detects the first lo
- (6) = lo are detected every 50mm from the first one
- (7) = Position of the first lo
- (8) = Position of lo marks on the scale tape from (1)
- (9) = In case of mounting End-cover (E13) pieces, recalculate the distance according to the Tape End piece
- (10) = Magnet height (includes adhesive tape)

Escala: 1:1			
Resto Tolerancias s/norma ISO 2768-mK			
< 5 ± 0,1		50 -100 ± 0,4	
5 - 25 ± 0,15		> 100 ± 0,6	
25 - 50 ± 0,2		α° ± 30'	
Entre ejes ± 0,25			
Nº	Modificado	Propu.	Vº Bº
EXPOSED IT: ITA MODEL		1	Acabado
Nº	Designación	Cant.	Material
Plano Nº PT-2-032-0		Fecha 28/07/2023	
Sustituye a:		Dibujado AINARA	
		Comprobada ZUNZU	
		Fagor Automation S. Coop. 20500 Mondragón	

