



FE

Cable Extension Position Encoder



Various products

Ordering code

FE 2000 A . XXX

FE = cable extension position encoder

2000 = stroke 2000 mm
5000 = stroke 5000 mm
8000 = stroke 8000 mm

Stroke

In the case of particular client variant separate by a full stop

XXX = Particular customer variants indicated by a progressive number from 001 to 999

A (standard)

Type of cable attachment

N.B.: The encoder that gets applied to the cable extension position encoder should be ordered separately. The letter **F** should be placed before the standard ordering code.

Example:

1- encoder model EH30M, the ordering code will become : FEH30M300S8/24P6X6PR

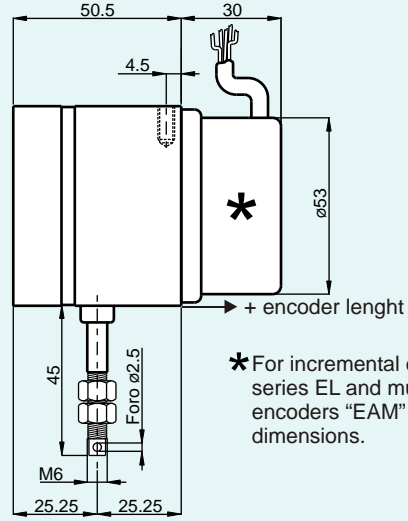
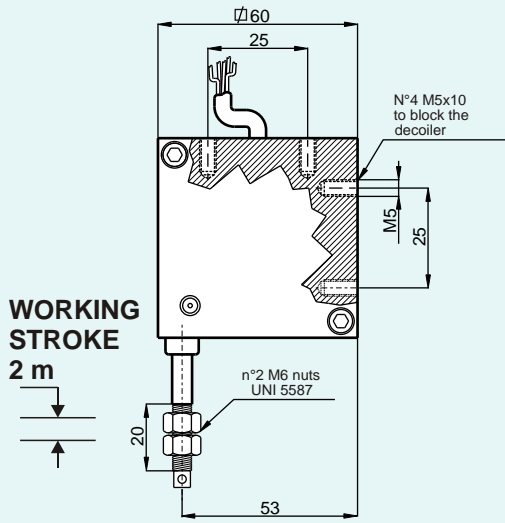
2- encoder model EL53B, the ordering code will become : FEL53B1100S5/28P6X3MR

3- encoder model EAM53B, the ordering code will become : FEAM53B16/4096G8/28PPX6X3MER

Complete example of the ordering code:

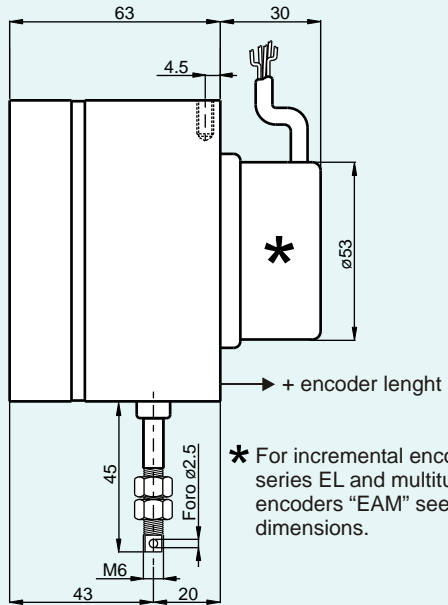
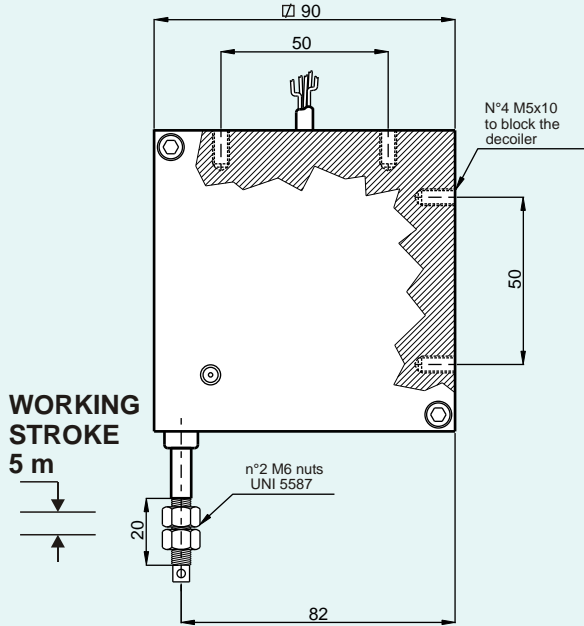
FE2000A-FEH30M300S8/24P6X6PR

FE2000



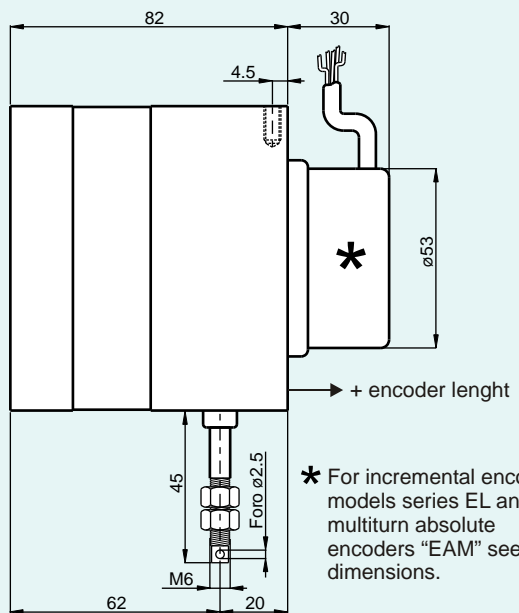
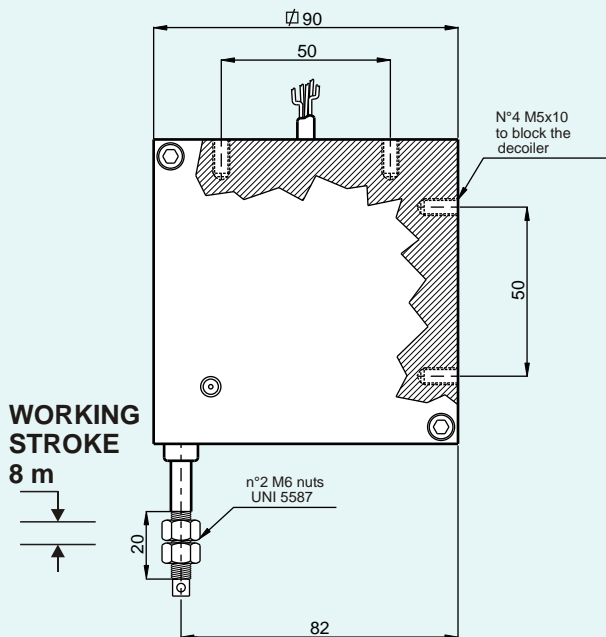
* For incremental encoder models series EL and multiturn absolute encoders "EAM" see the dimensions.

FE5000



* For incremental encoder models series EL and multiturn absolute encoders "EAM" see the dimensions.

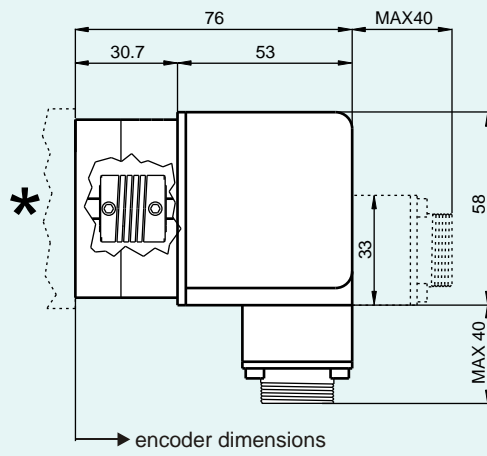
FE8000



* For incremental encoder models series EL and multiturn absolute encoders "EAM" see the dimensions.

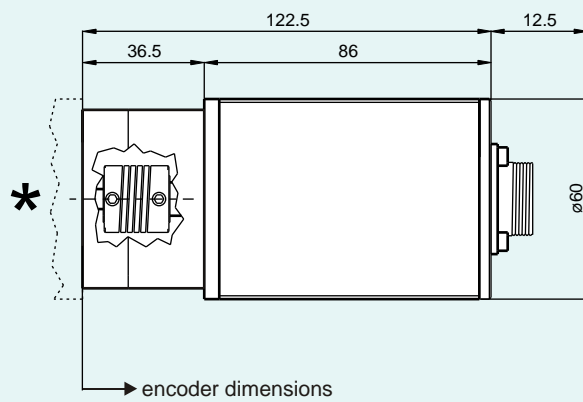
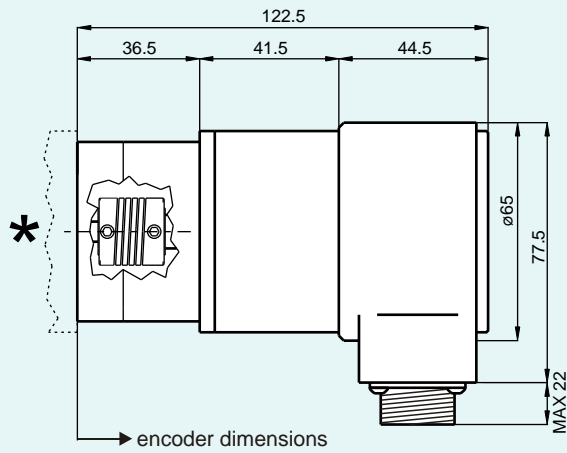
FEL53B

Application of incremental encoder at a high resolution or with a connector



FEAM53B

Application with multiturn absolute encoder



General resolution characteristics

Model	FE2000	FE5000	FE8000
One turn of coil (mm)	120	220	220
Application with incremental encoder			
Resolution	Impulses	Impulses	Impulses
1 mm	120	220	220
0,4 mm	300	550	550
0,1 mm	1200	2200	2200
For other resolutions contact our offices directly			
Application with multiturn absolute encoder			
Resolution turns	Impulses	Impulses	Impulses
1 mm	120	220	220
0,4 mm	300	550	550
0,1 mm	1200	2200	2200
N.B.: The resolutions split with output codes result being independent between resolutions and number of turn			
N° Turns	Turns	Turns	Turns
	32	32	64
For other resolutions contact our offices directly			

Mechanical Characteristics

Linearity	+/- 0,05% full-scale
Velocity Max.	50 m/min
Vibrations	10G 10 ÷ 2000 Hz
Cover material	Aluminium
Wire material	Stainless steel
Operating Temperature	0° ÷ +60°C
Storage Temperature	-25° ÷ +70°C
Weight	~ 500g -- FE2000 ~ 1100g -- FE5000 ~ 1300g -- FE8000

N.B.: For the characteristics of the encoders, refer to the technical cards of the following models:

- for EH30M see encoder EH38
- for EL53B see encoder EL53
- for EAM53B see encoder EAM58

