



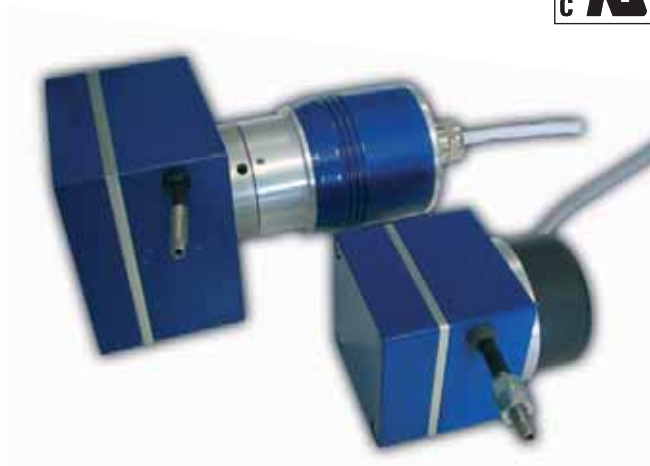
FE ROPE ENCODER



Incremental encoder

Rope extension encoder series available for lengths up to 8 mt. and resolutions up to 0,01 mm. The mounted encoder could be incremental or absolute, both available with SSI or PROFIBUS interface.

Perfectly suitable also for critical environments, considering the high mechanical resistance characteristics.



Ordering code

Full stop to separate special versions			
FE	2000	A	. XXX
Eltra cable encoder FE			Special version code numbered from 001 to 999
	Stroke	Type of rope-end	
	2000 mm	A (standard)	
	5000 mm		
	8000 mm		

The encoder to be used in the FE model needs to be ordered separately. The "F" letter will be placed before the standard ordering code.

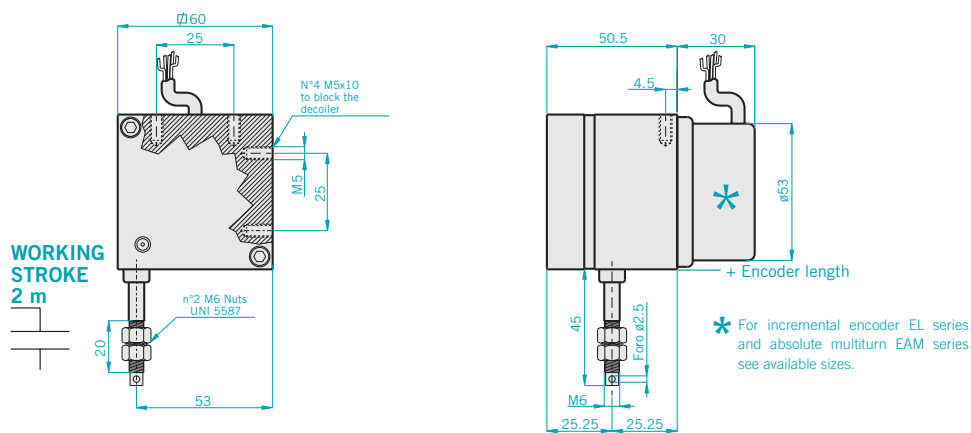
Example:

- 1- encoder model EH30M ordering code: FEH30M300S8/24P6X6PR
- 2- encoder model EL53B ordering code: FEL53B1100S5/28P6X3MR
- 3- encoder model EAM53B ordering code: FEAM53B16/4096G8/28PPX6X3MER

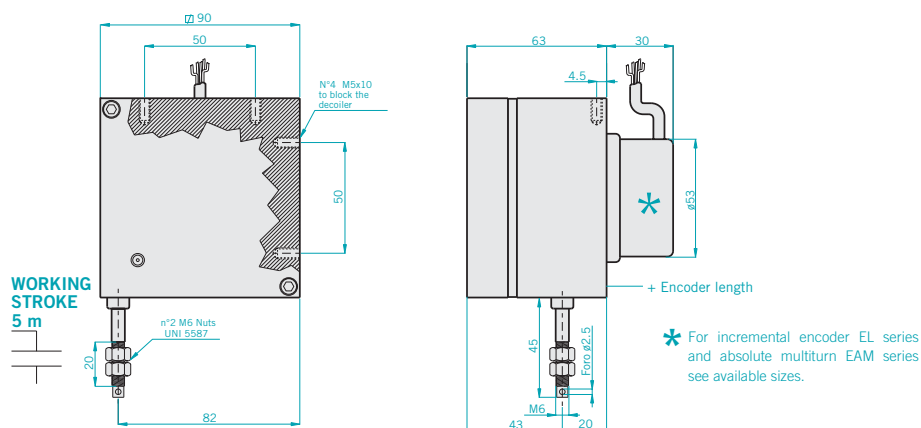
Complete ordering code example:

FE2000A-FEH30M300S8/24P6X6PR

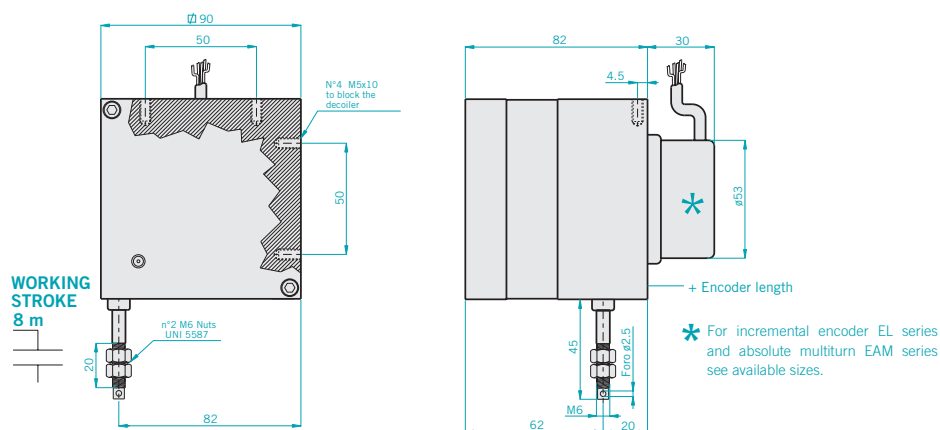
FE 2000



FE 5000

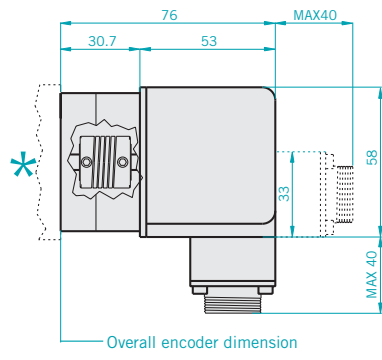


FE 8000



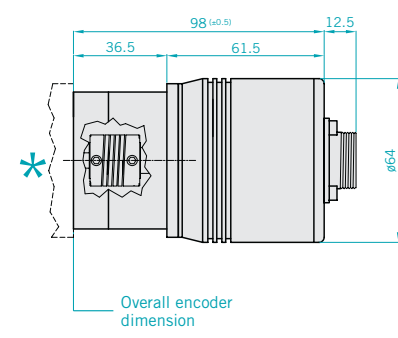
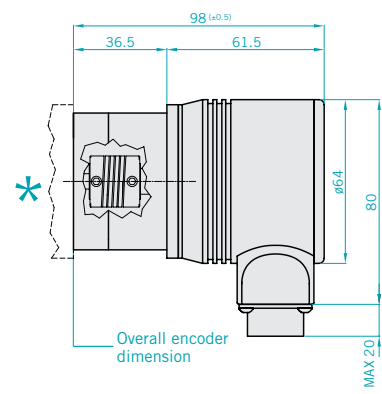
FEL 53B

High resolution incremental encoder with connector



FEAM 53B

Multiturn absolute encoder applications



General resolutions specifications

Model	FE2000	FE5000	FE8000
One coil turn (mm)	120	220	220

Incremental encoder applications

Resolution	Pulses	Pulses	Pulses
1 mm	120	220	220
0,4 mm	300	550	550
0,1 mm	1200	2200	2200

For specific resolutions please contact our offices

Absolute encoder applications

Turn resolution	Pulses	Pulses	Pulses
1 mm	120	220	220
0,4 mm	300	550	550
0,1 mm	1200	2200	2200

In case of resolution split, output code will be independent concerning resolutions and turn number.

N° Turn	Turn	Turn	Turn
	16	22	36

For specific resolutions please contact our offices

Mechanical specifications

Linearity	+/-0,05%
Max Speed	50 m/min
Enclosure rating	IP54 standard
Vibrations	10G 10 ÷ 2000 Hz
Housing material	Aluminium
Rope material	Stainless steel
Operating temperature	0° ÷ +60°C
Storage temperature	-25° ÷ +70°C
Weight	~500g --FE2000 ~1100g --FE5000 ~1300g --FE8000

NOTE: for encoder specifications, refer to the technical cards of the following models:

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