

**MovingCap shortTRACK**  
Linear direct drive –  
Precision. Performance. Efficiency

# MovingCap shortTRACK

## Precision in motion: Unleash maximum performance in a minimal design.

The MovingCap shortTRACK is our most compact linear drive – ideal for production, series, and special-purpose machines. With maximum precision, dynamic performance, and a long service life, it optimizes your processes and increases efficiency. Thanks to its simple commissioning, no time-consuming adjustments are necessary.



 python™  
TCP/IP  
EtherCat

**Linear direct drive MovingCap shortTRACK**  
with integrated control electronics and TCP/IP  
interface

### Key Features:

- Integrated absolute encoder measuring system
- Integrated motor controller
- Ironless linear motor
- TCP/IP / CANopen interface (optional)
- Optional EtherCAT with external control electronics
- Programming functionality
- Integrated “onboard” commissioning interface
- Digital inputs for simple I/O control
- Digital outputs for simple I/O control
- Different operating modes according to CiA DS402
- LED status display according to CiA DS303
- Robust metal housing
- Standardized M12 industrial standard plug connections
- Python command interpreter for customer-specific application and motion profiles
- Cable outlet in various orientations

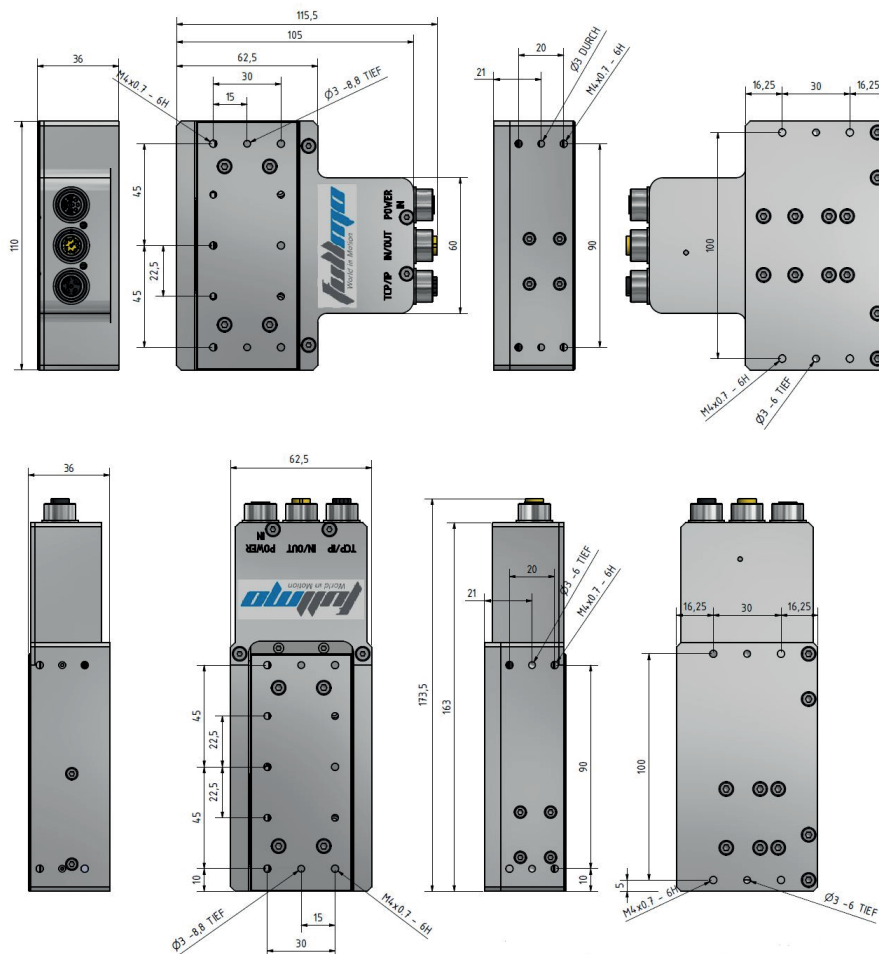
### shortTRACK standard models

Type	Stroke	Force	Speed
<b>shortTRACK 046 axial</b>	46mm	9N (max. 28N)	1800 mm/s
<b>shortTRACK 046 radial</b>	46mm	9N (max. 28N)	1800 mm/s

# Technical specifications:

Typ	shortTRACK	
Rated voltage (motor)	Vdc	24 - 48
Rated voltage (logic)	Vdc	24
Nominal force	N	9
Peak force	N	28
Rated current	A	2
Peak current	A	6
Encoder resolution	Inc	0,4 $\mu$ m
Repeatability encoder	Inc	+/- 1,2 $\mu$ m
Degree of protection	IP	40
Operating ambient temperature	°C	0...+60
Weight	kg	0,800

## Dimensions MovingCap shortTRACK 046:





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