

MovingCap flatTRACK / MovingCap FATtrack

Proven Technology "rolled out" anew

MovingCap flatTRACK / MovingCap FATtrack, our linear direct drive for applications in production, series and special machines.

The compact design, high accuracy, dynamics and service life are complemented by easy commissioning.



Linear direct drive
MovingCap flatTRACK /FATtrack
with integrated control electronics and TCP/IP
interface

The facts:

- Integrated motor controller
- Integrated absolute encoder measuring system
- Ironless linear motor
- TCP/IP communication interface
- Programming functionality
- Integrated web server with commissioning interface
- Digital inputs
- Digital outputs
- Different operating modes according to Cia DS402
- LED status display according to Cia DS303
- Construction in robust metal housing
- Connector terminals in standardized M12 sealed industrial standard
- Python command interpreter for customer-specific application and motion profiles

The flatTRACK basic variants

flatTRACK 100	- Track	100mm	- Force range 35-100N*	- Overall length	225mm
flatTRACK 195	- Track	195mm	- Force range 35-100N*	- Overall length	322mm
flatTRACK 290	- Track	290mm	- Force range 35-100N*	- Overall length	415mm
flatTRACK 485	- Track	485mm	- Force range 35-100N*	- Overall length	610mm
flatTRACK 585	- Track	585mm	- Force range 35-100N*	- Overall length	710mm
flatTRACK 650	- Track	650mm	- Force range 35-100N*	- Overall length	778mm

The FATtrack basic variant

FATtrack 200	- travel 200mm	- Force range 70-200N*	- Overall length	335mm
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*dependent on variant and supply voltage

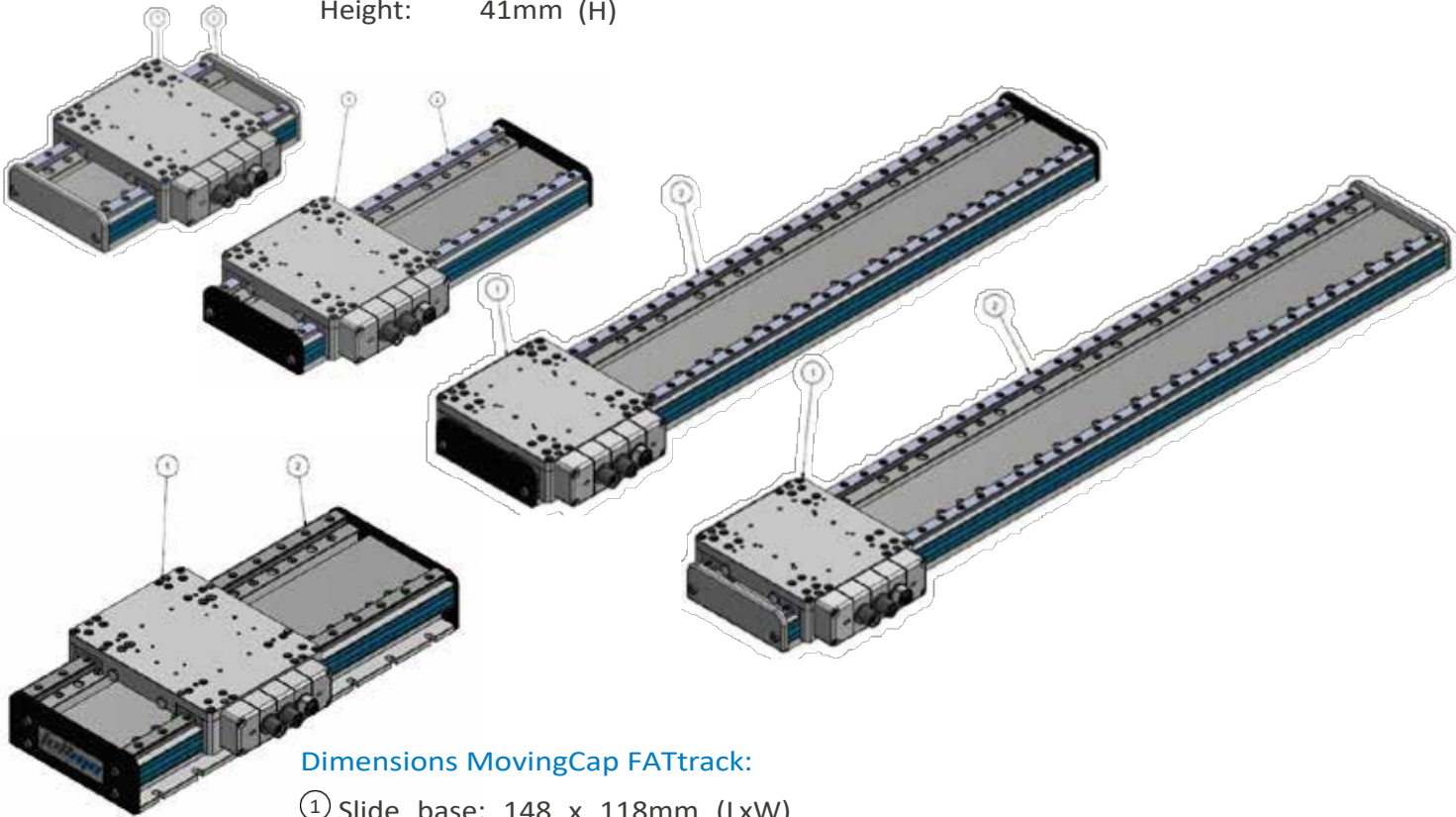
Motor Data:

Type		flatTRACK	FATtrack
Rated voltage (motor):	Vdc	48 (24-72)	48 (24-72)
Rated voltage (logic)	Vdc	24	24
Nominal force	N	45*	90*
Top power	N	100*	200*
Rated current	A	3	6
Peak current	A	4,5	12
Encoder resolution	µm	0,4	0,4
Repeatability encoder	µm	1,2	1,2
Protection class		IP40	IP40
Perm. ambient temperature	°C	0...+40	0...+40
Weight	kg	x,xx	x,xx

*dependent on variant and supply voltage

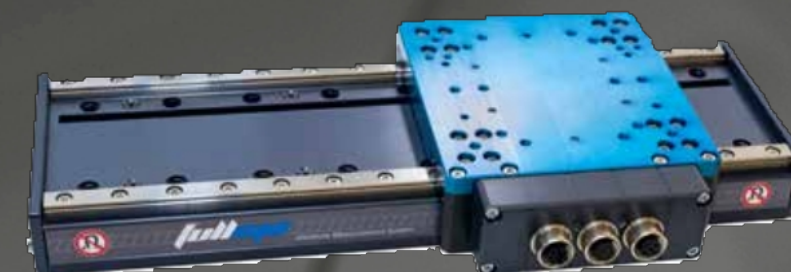
Dimensions MovingCap flatTRACK:

- ① Slide base: 118 x 110mm (LxW)
- ② Guide profile: 225 - 778mm x 100mm(LxW)
Height: 41mm (H)



Dimensions MovingCap FATtrack:

- ① Slide base: 148 x 118mm (LxW)
- ② Guide profile: 335 x 130mm (LxW)
Height: 61mm (H)



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MovingCap flatTRACK
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Linear Direct Drives

Absolute Positioning. Robust. Safe.