This data sheet interacts with

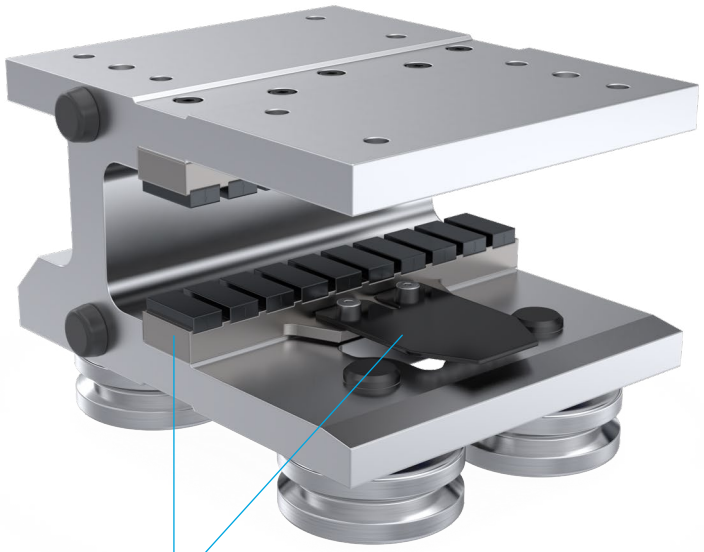
GFX Catalogue

HepcoMotion®
ADVANCED LINEAR SOLUTIONS

GFX Strong Mover

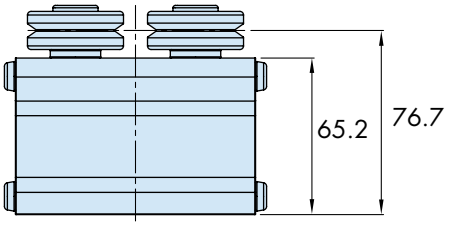
GFX Strong Movers are exclusively designed for the GFX-PRT2 ring and track systems for use with 45° and 22.5° XTS motors. They accept press loads and robotic assembly forces up to 2500N. This is 10 times higher than the standard mover.

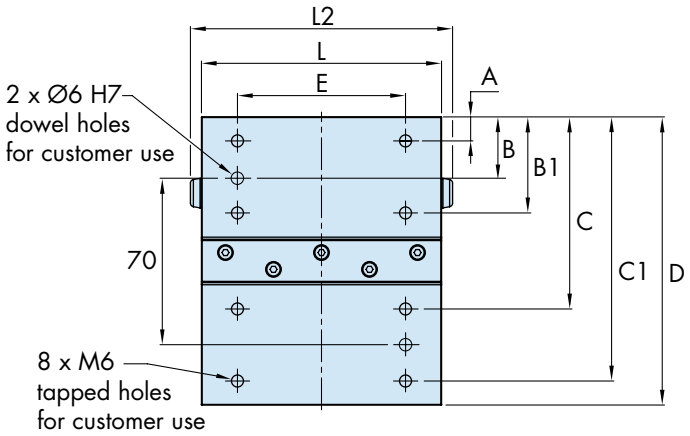
This increase in press load capacity is at minimal cost to the dynamic capability of the XTS drive system. Dynamic payload capacity (tooling and payload) is around twice that of the standard mover.



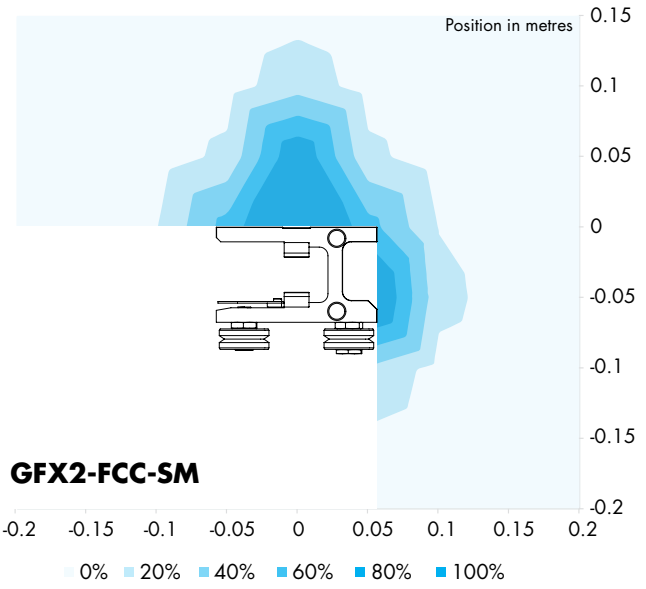
Components shown for illustration purposes only.

Technical Information





The illustration below shows where to position the payload centre-of-gravity to maximise system life (where 100% is maximum possible life).



Mover Part Number	A	B	B1	C	C1	D	E	L	L2	Bearing Diameter	Typical Payload*1	Mass*2
GFX2-FCC-SM34-10P	10	25	40	80	110	120	70	100	109.2	34	7kg	1260g
GFX2-FCC-SM40-10P	10	25	40	80	110	120	70	100	109.2	40	15kg	1550g

Notes:

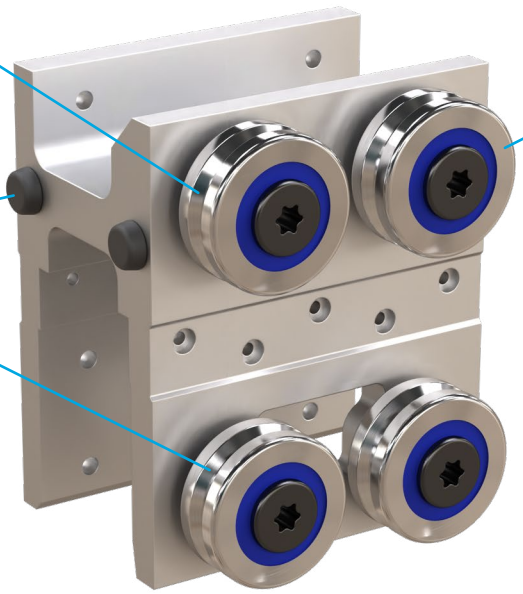
1. Typical payload will achieve life in excess of 100,000km. Higher payloads with lower speed/acceleration are possible.
2. Mass of movers includes Beckhoff magnet and encoder flag assembly.

Ordering Information

Corrosion resistant movers are supplied with stainless steel bearings. (3)

(6)

Bearings are axial stiffness as standard. (5)



(4) Outer bearing size also determines the size of the mover. Please see main GFX Catalogue for more mover information.

GFX2 - (CR) - FCC - 637 - SM34 - 7P - AS - (LB) - (CM) - (NCT)

Product
GFX

Corrosion Resistant Option*2 (3)

Mover Type
FCC - Fixed centre (PRT2)

Segment Diameter
637 - 45° modules
1274 - 22.5° modules

Mover Size (4)
SM34 - Strong 34 bearings
SM40 - Strong 40 bearings*3

Bearing Type (5)
AS - Axial Stiffness

Additional Options*2
LB - Slide lubricators

Collision Mitigation*2 (6)
CM - Buffers Fitted

No Cable Technology*2,4
NCT - Holes to fit No Cable Technology

Magnet Pole Size
7P - 7 Pole Magnet
10P - 10 Pole Magnet
Leave blank for standard

Notes
1. All movers are supplied fully assembled and adjusted to a system, unless requested otherwise.
2. Leave blank if not required.
3. Corrosion resistant version not available on M40 bearing option.
4. Please see main GFX Catalogue for more details on NCT.

HepcoMotion®, Lower Moor Business Park,
Tiverton Way, Tiverton, Devon, England EX16 6TG
Tel: +44 (0) 1884 257000
E-mail: sales@hepcomotion.com

www.HepcoMotion.com