This data sheet interacts with

GFX Catalogue

GFX
HEPCO GUIDANCE
SYSTEM FOR BECKHOFF XTS
HepcoMotion.com

HepcoMotion®

ADVANCED LINEAR SOLUTIONS

GFX Agile Mover

GFX Agile is a very low mass variant of the standard GFX track system for Beckhoff XTS products. It is specified for overall payloads (product and tooling combined) of less than 250g and little or no process loading. It is capable of a maximum velocity of 4m/s and acceleration in excess of 100m/s² when programmed through TwinCAT with specific XTS coding from Beckhoff.

Typically this will allow for higher throughput for small component assembly. Where rapid indexing is possible, an increase of up to 43% is achievable.
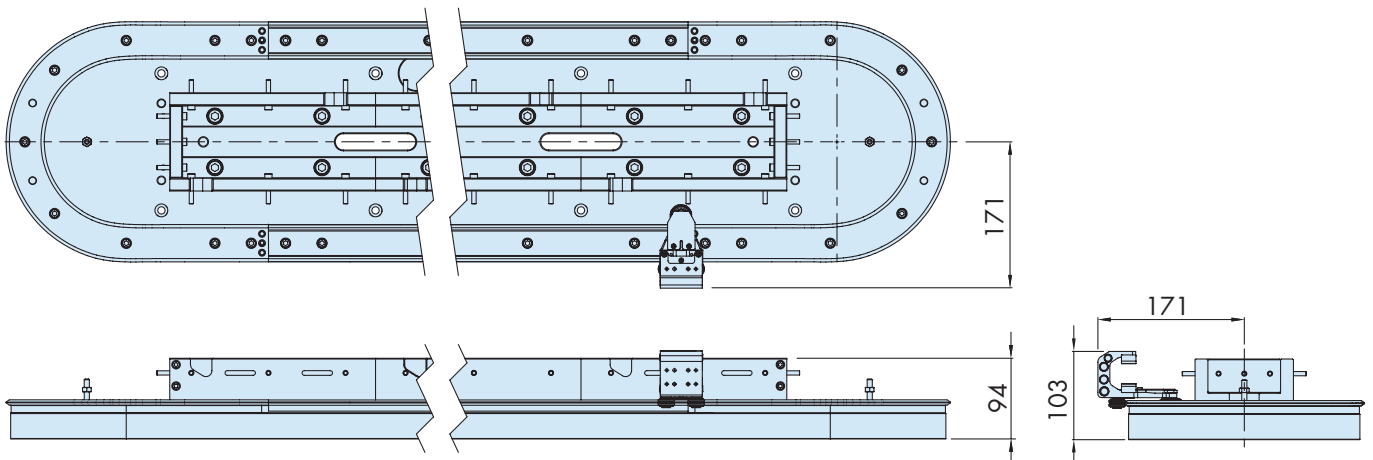
GFX Agile will use less energy and therefore generate less heat in the modules, allowing more throughput to thermally limited applications. Additionally, overall system lengths can be reduced to achieve the same throughput.

Agile is also a good candidate for the use of the 4 pole magnet, allowing 55mm pitching of movers when required.

Integration

Agile uses standard GFX track and baseplate components, however the motor mounting bracket is more compact to allow for the much smaller bearing offset of the mover body.

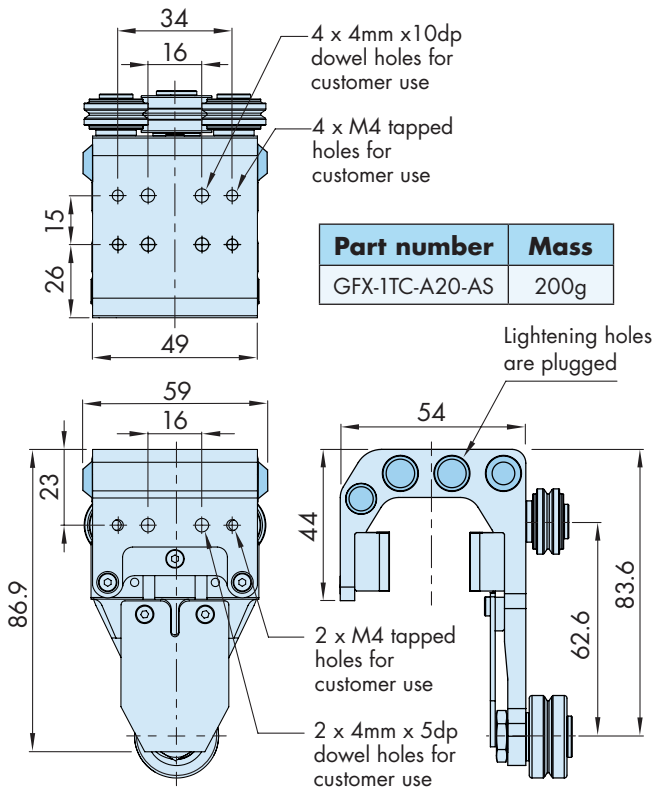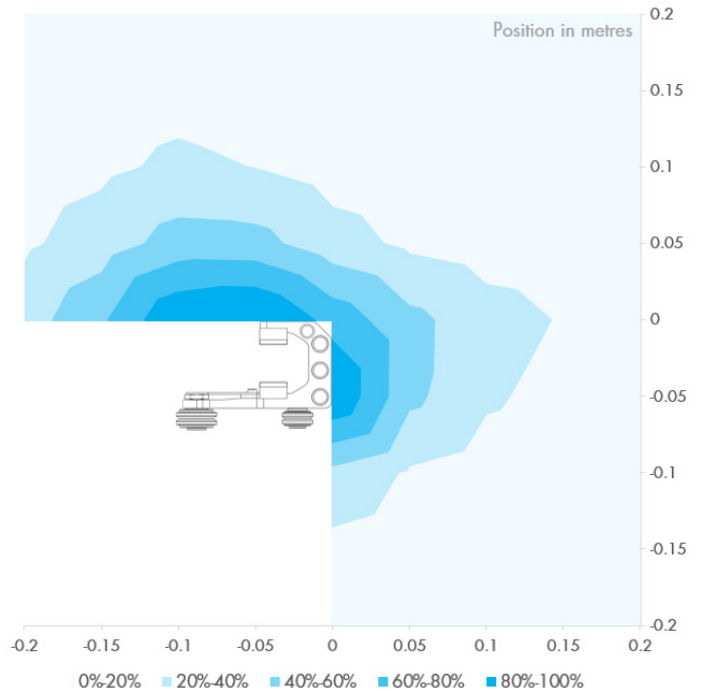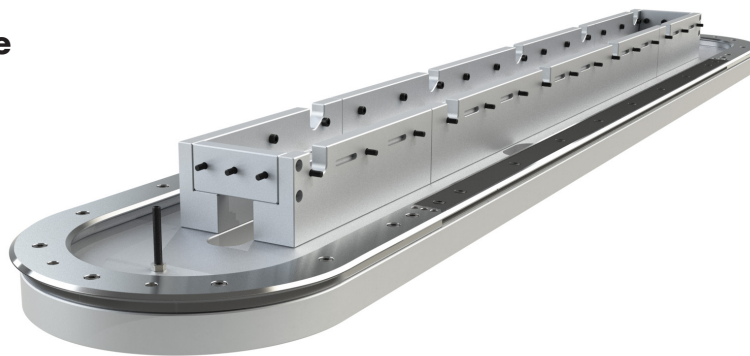# GFX Agile Mover

Technical Information

4 x 4mm x10dp dowel holes for customer use

4 x M4 tapped holes for customer use

34
16
15
26
49

Part number	Mass
GFX-1TC-A20-AS	200g

Lightening holes are plugged

59
16
23
86.9

54
44
83.6
62.6

2 x M4 tapped holes for customer use

2 x 4mm x 5dp dowel holes for customer use

Illustration of where to position the payload centre-of-gravity to maximise system life (where 100% is maximum possible life)

Position in metres

0%-20%   20%-40%   40%-60%   60%-80%   80%-100%

The payload 'envelope' for Agile shows the recommended positions to optimize the performance and bearing life.

Ordering Example

GFX - AG - 1TL - 4M

Product
GFX

Agile Mover

System Length

System Type
1TL

Please refer to GFX catalogue for more information

Additional information

• GFX is the guidance system for Beckhoff XTS linear transport system.
• Detailed CAD data is available on request, please contact the Hepco Technical Sales department for more information.
• Agile is NOT directly compatible with existing GFX motor brackets or payload mounting interface geometry.