

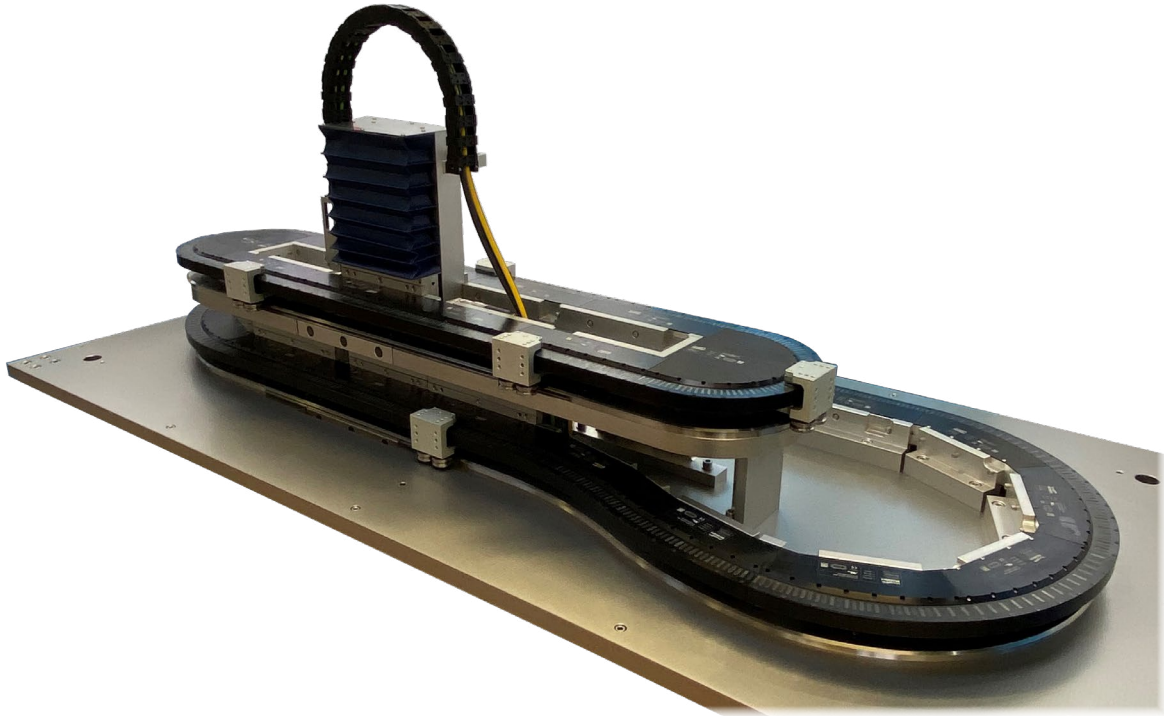


This data sheet interacts with
GFX Catalogues

## GFX Track Management System (TMS)

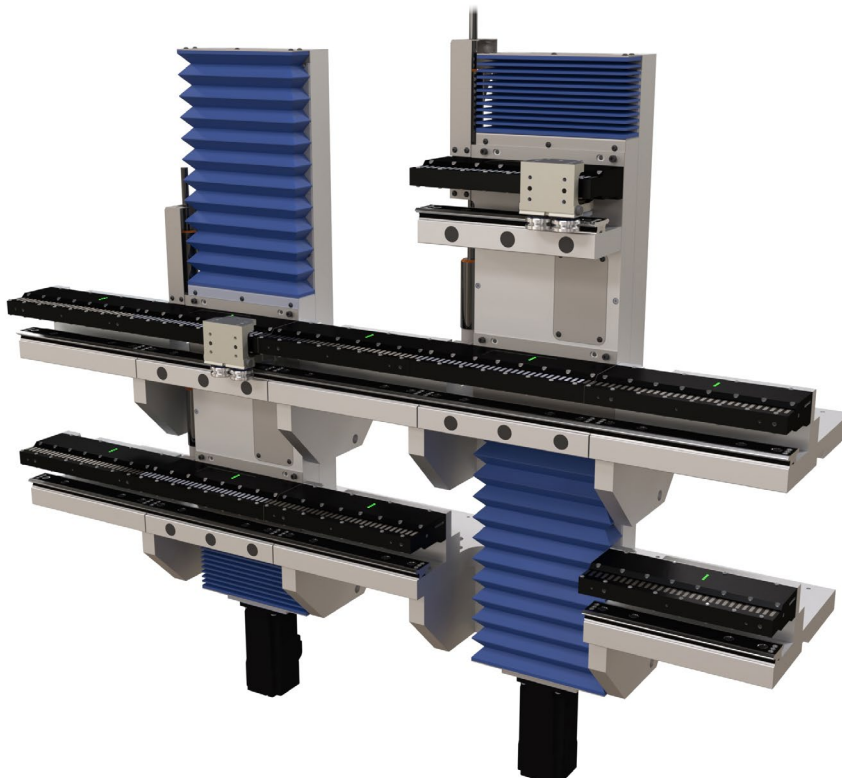
GFX Track Management (TMS) facilitates the transition of movers between GFX systems whether they are open or complete circuits. Track Management can be used in many ways to increase the functionality of a system, such as for the movement of movers between systems to accommodate extra processes, for the removal of movers for maintenance, or for system re-configuration.

The precision ballscrew driven transfer slide section can achieve cycle times as quick as 0.4 seconds to sub micron precision. The Track Management system (TMS) assembly is designed to be integrated into standard 1-Trak and PRT2 assemblies. TMS Systems require rigid support structures which will be tailored to suit specific customer applications.



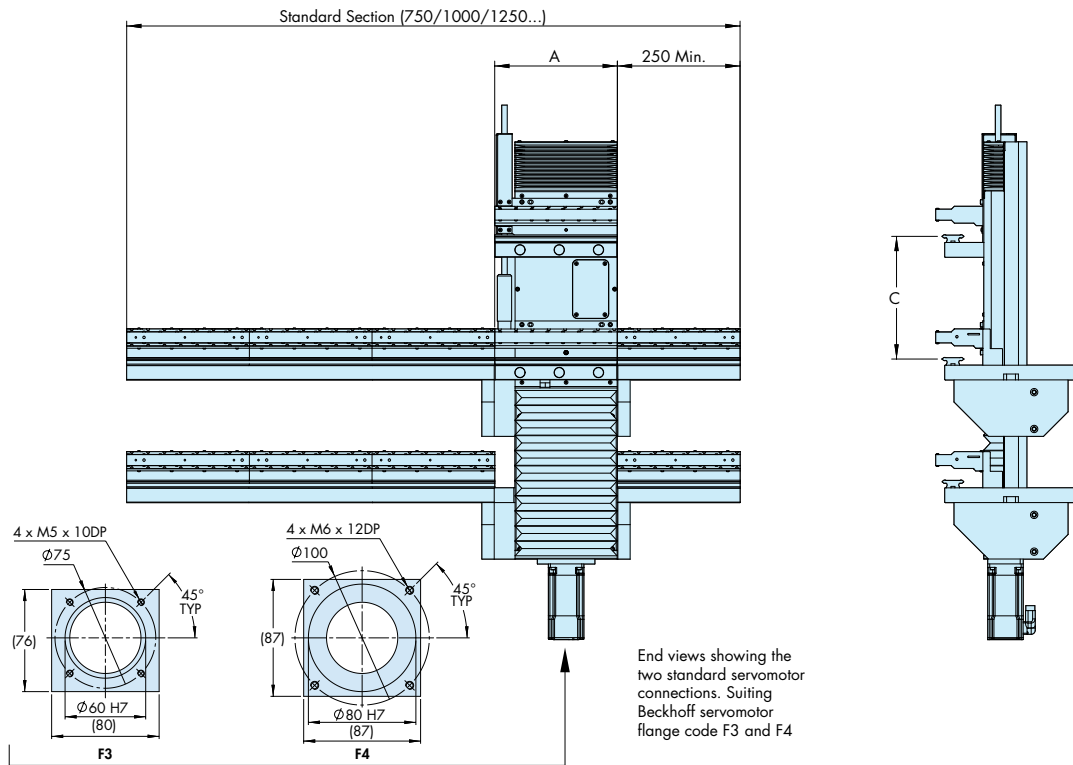
### Configurations

The system below shows a twin level track management system with two 250mm wide TMS modules. These are the most compact configurations capable of the fastest mover transfer. If applications require switching of multiple movers at one time, then 500mm wide TMS modules are available on request. Please contact HepcoMotion Technical Sales for more information.



# GFX Track Management System (TMS)

## Technical Information



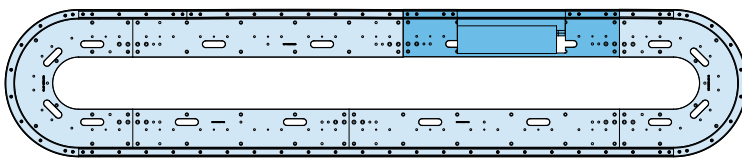
Part Number	Dimensions	
	A	C
<b>GFX-TMS-1TL-250- ... -SA</b>	250	150 - 1000*1
<b>GFX-TMS-1TL-500- ... -SA</b>	500	

### Notes:

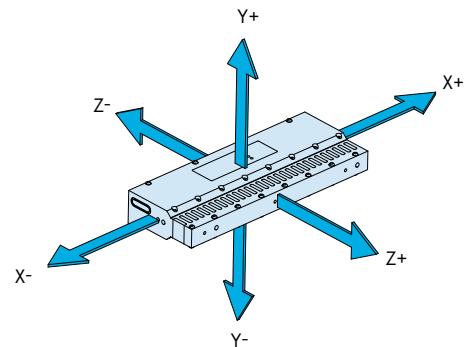
1. Larger transition distances will result in a lower maximum transition speed. Please contact Hepco's technical department for more information.

## Integration

GFX Track Management Systems (TMS) can be integrated into both PRT2 and 1-Trak standard GFX systems. As shown below left, the assembly is modelled around a standard GFX 4 module baseplate element. Other size baseplate elements can be accommodated from 3 to 8 modules to suit that application.



The below image illustrates that the travel of a TMS is on the Y axis of the XTS motor module and the movers will travel on the X axis. We DO NOT currently offer a TMS option for travel in the Z axis. It should be noted that the Y axis of the motor can be placed horizontally rather than vertically if required.



## Additional Information

- GFX is a guidance system for Beckhoff's XTS linear transport system. TwinCAT servo motors are required to integrate with Beckhoff XTS control systems. Please contact Beckhoff for more information.
- CAD data available on request please contact Hepco's Technical Sales department for more information.
- Switcher position controlled with Renishaw sub micron linear encoder
- Residual crush and trap hazards will require additional guarding to standard GFX systems.

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