

This data sheet interacts with
PRT2 Catalogue
45-46

HepcoMotion®

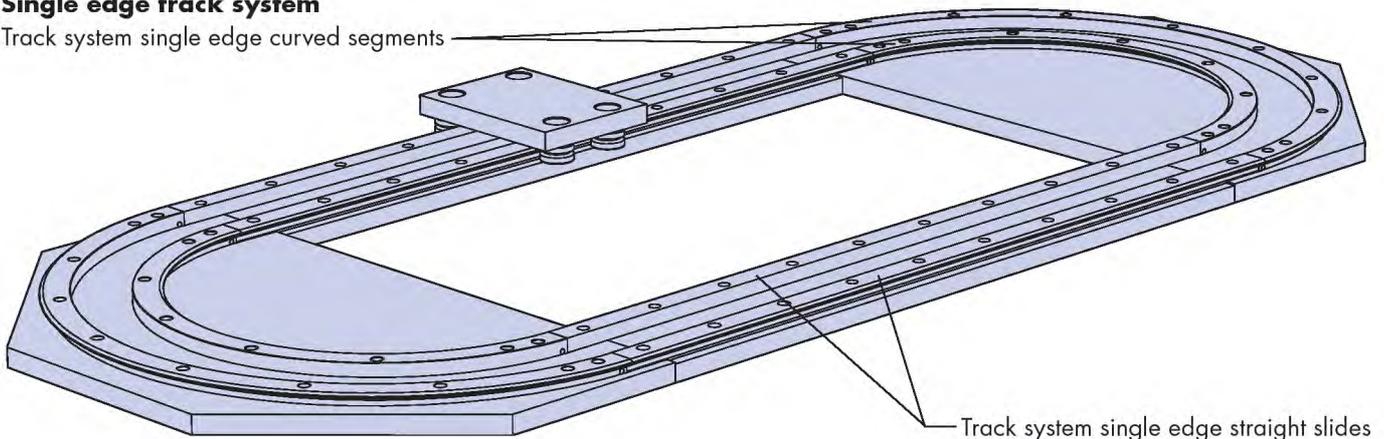
No. 4 Single Edge Track Systems

Track system single edge slides and segments can be used to construct a single edge track system which provides a wide platform for the rigid support of large components. The large rear face of the single edge slide enables a full width rack to be accommodated, providing for a strong drive.

This data sheet is intended as a guide to single edge track systems but it is recommended to discuss your application with Hepco's Technical Department in the first instance.

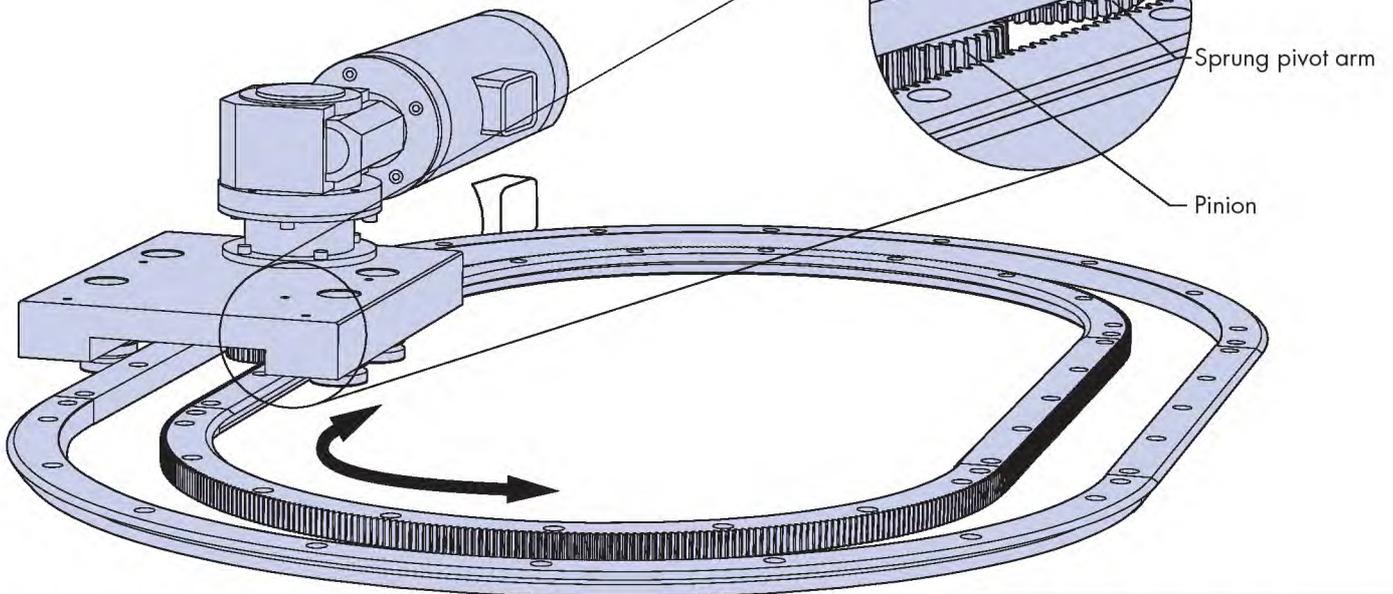
Single edge track system

Track system single edge curved segments



Track system single edge straight slides

Gear driven single edge slide track system



Sprung pivot arm

Pinion

Single edge track system with a gear drive on the inner curved and straight slides, engages with a pinion driven from the motor. A sprung pivot arm ensures that the pinion remains engaged with the rack as it travels from straight to curve.

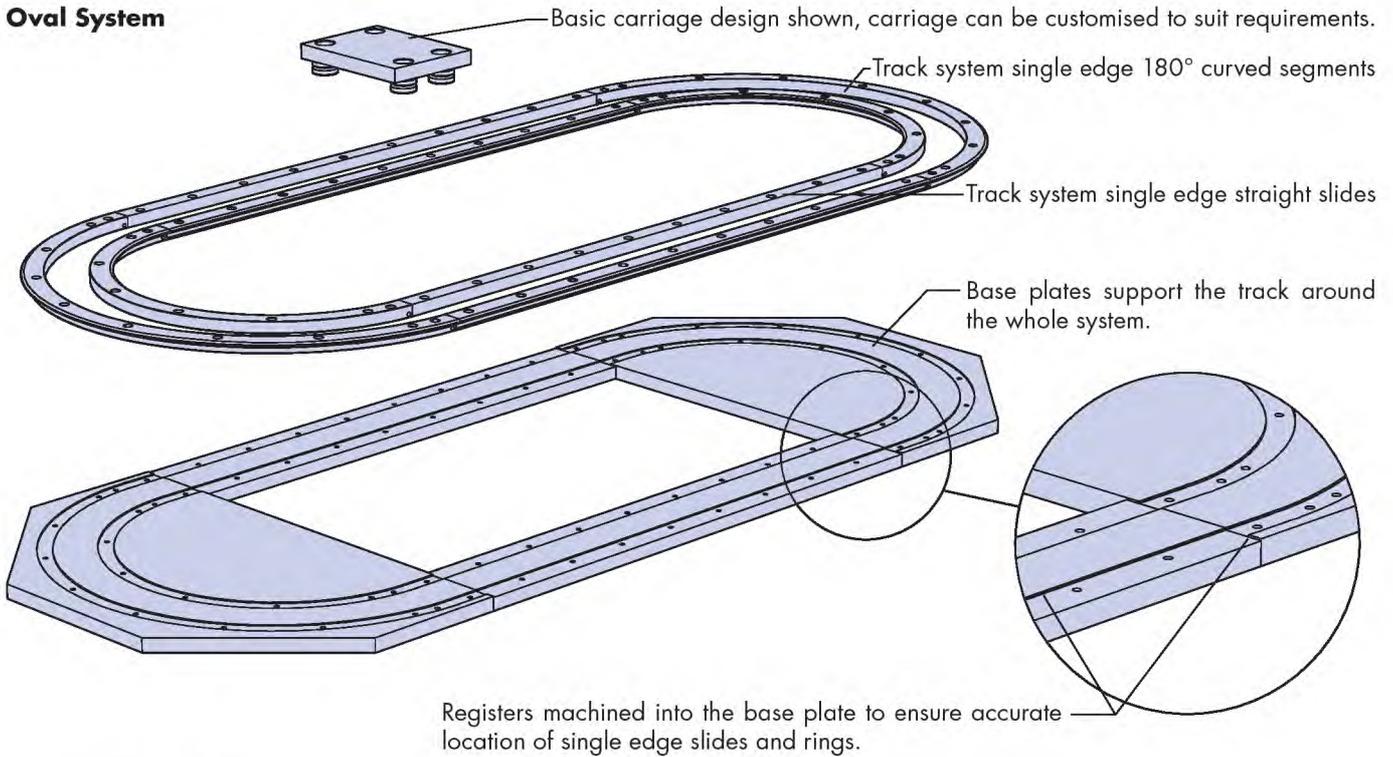


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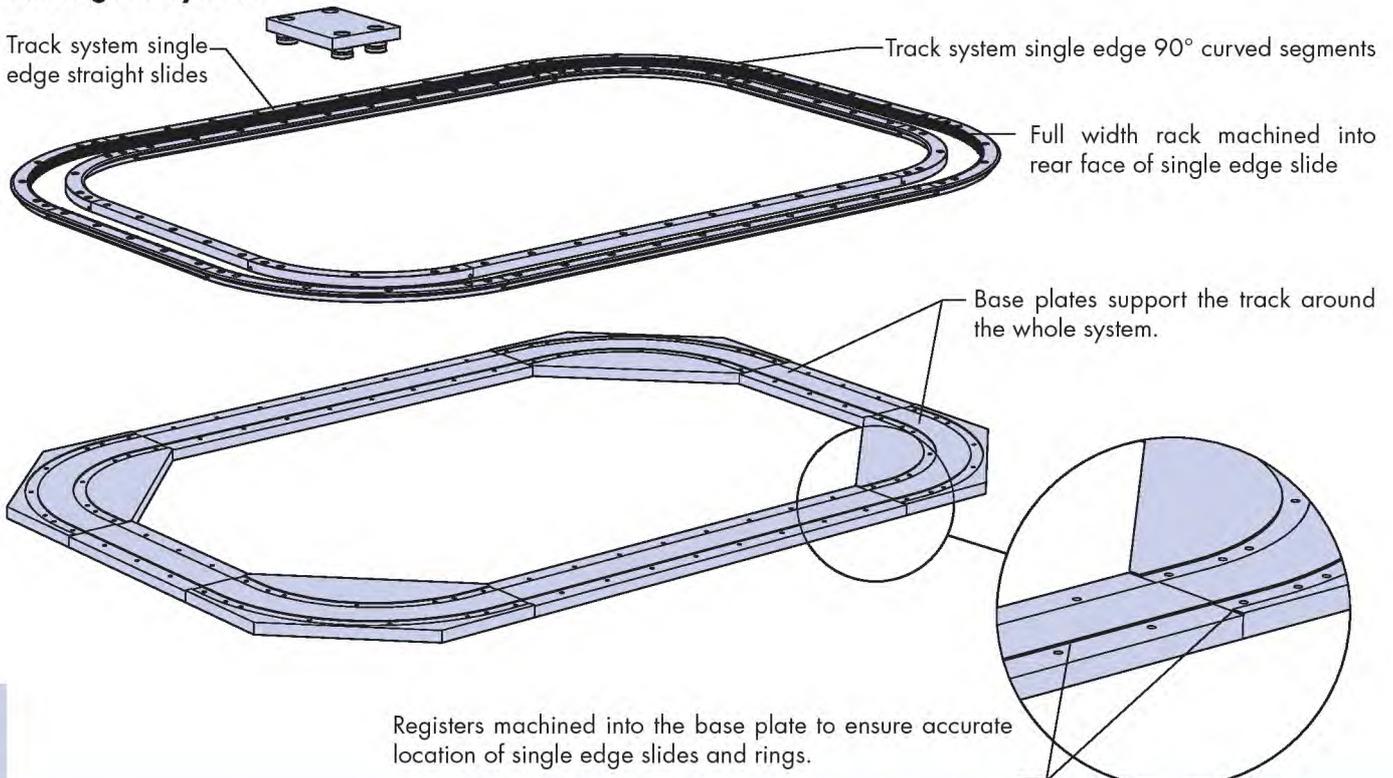
Single edge track systems are designed to suit individual requirements. They are made up of track system single edge straight slides and track system single edge curved segments. More details of these components can be found on pages 45-46 of the main PRT2 catalogue. It is recommended that they are supplied with a base plate to ensuring correct alignment of the slide to the ring segments, the examples below are shown with base plates, these can be supplied by Hepco, please discuss at the time of ordering.

Single edge track systems can also be rack driven as shown in the example on page 1 and can be oval or rectangular in shape as shown below. The carriage plate will be designed to suit this requirement. Once the design has been decided a drawing will be produced for customer approval before the order is placed.

Oval System



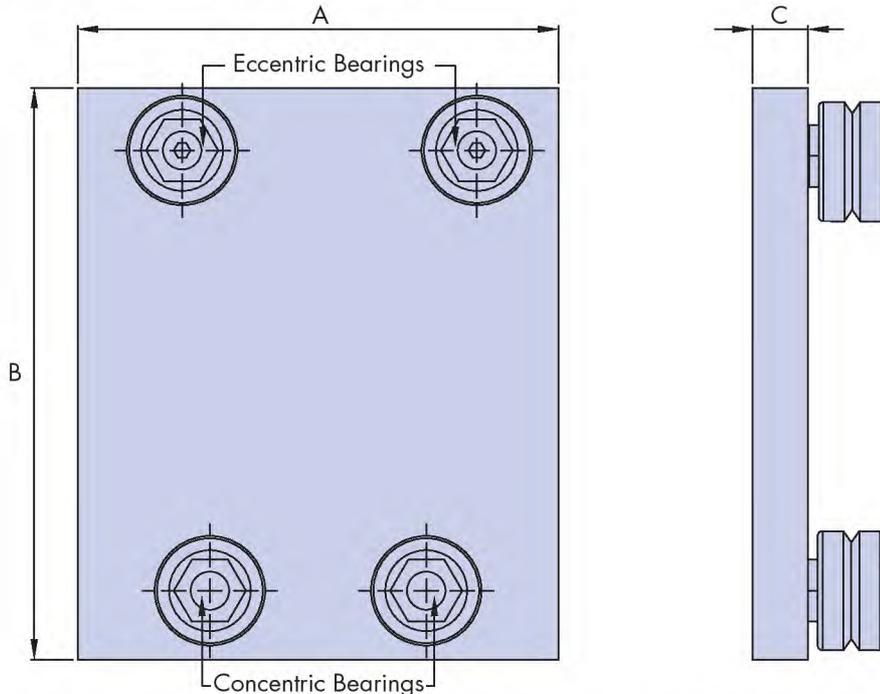
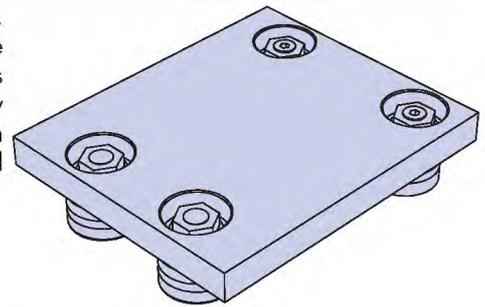
Rectangular System





No. 4 Single Edge Track Systems

The carriage plates shown in the data sheet are of a relatively simple design, carriage plates can be customised to suit individual requirements and can be designed to accommodate motors and pinions if a drive is required, please discuss with Hepco's technical department when ordering the track system. The image below shows how the basic carriage will be constructed with the two eccentric bearings on the outer edge of the carriage plate and thus the outer edge of the track system and the concentric bearings on the inner edge.



1. Dimensions A, B and C can be customised to suit application, special designs can also be accommodated, please contact Hepco's technical department for more information.
2. For more information on bearing sizes, please see pages 34-35 main PRT2 catalogue.

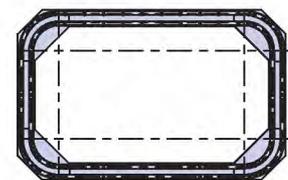
Ordering Information

It is recommended to discuss your application with Hepco's technical department so a tailored solution can be provided to suit your needs. Listed below is some information that would need to be provided and will assist communication when specifying and ordering the track system, it may also be useful to supply a sketch or drawing to aid discussion.

Specify the track shape - Oval



Rectangle



Specify the track size and length - Small (uses TNSE slides), Large (uses TNME slides), see page 3 for more details. Specify dimensions L, C & F, see page 3 for more details.

Specify track additional features - Specify whether a rack is required or any other additional features.

Specify the back plate - Decide whether Hepco to supply the back plate with the track system or to be supplied by the customer.

Specify the carriage - Specify dimensions A, B & C as shown above. If any additional features, i.e. pinions or motors to be fitted, or special design is required please supply a drawing.

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