



REXROTH PROFILED BALL RAIL – RUNNERBLOCK INTERCHANGE

SIZE 45 FNS – 1651-414-20 (2% Pre-Load)

Rail PN: 1605-404-31-XXXX(T1=XX) 4m Max

SIZE 45 FNS – 1651-494-20 (0% Pre-Load)

Rail PN: 1605-404-31-XXXX(T1=XX) 4m Max

STANDARD FLANGED RUNNER BLOCKS REPLACING THK

DOCUMENT: 06-EVOLUTION-REXROTH-THK-IX-FNS45 (Flanged, Normal, Standard Height)

Rexroth



THK SHS



THK HSR



	Rexroth 1651-414-20	THK SHS45C	THK HSR45A	THK HSR45B	THK HSR45C	THK HSR45CB
Overall Width [mm]	120	120	120	120	120	120
Rail Width [mm]	45	45	45	45	45	45
Runner Block Length [mm]	140	140	139	139	139	139
Overall Height [mm]	60	60	60	60	60	60
Rail Height [mm]	32	32	38	38	38	38
Mounting Hole Spacing (widthwise) [mm]	100	100	100	100	100	100
Mounting Hole spacing (lengthwise) [mm]	80	80	80	80	80	80
Number of Mounting Holes	4	4	4	4	4	4
Rail Hole Spacing [mm]	105	105	105	105	105	105
Rail Material	Steel	Steel	Steel	Steel	Steel	Steel
Runner Block Material	Steel	Steel	Steel	Steel	Steel	Steel
Dynamic Load Capacity (100 km) [N]	65719	65719	47622	47622	47622	47622
Static Load Capacity [N]	126000	126000	95600	95600	95600	95600
Dynamic Axial Moment Capacity (100 km) [Nm]	1398	1398	912	912	912	912
Static Axial Moment Capacity [Nm]	2680	2680	1830	1830	1830	1830
Pitch / Yaw (static) [Nm]	2050	2050	1420	1420	1420	1420
Pitch / Yaw (dynamic) [Nm]	-	-	-	-	-	-

Note: Some products have catalog ratings for a life of 50 km. These have been converted to equivalent figures for 100 km life using industry established conversion factors. In some cases, capacity information from other manufacturers was not available. Best estimates have been included.

There may be other dimensional or performance factors that need to be considered in your application. The above recommendation should only be used as a guide. Data for products by manufacturers other than Evolution Motion Solutions has been extracted from catalogs and websites available to us. No guarantee of accuracy is made. It is the user's responsibility to ensure the suitability of Rexroth products for their application.

