



REXROTH PROFILED BALL RAIL – RUNNERBLOCK INTERCHANGE

SIZE 25 FNS – 1651-214-20 (2% Pre-Load)

Rail PN: 1605-204-31-XXXX(T1=XX) 4m Max

SIZE 25 FNS – 1651-294-20 (0% Pre-Load)

Rail PN: 1605-204-31-XXXX(T1=XX) 4m Max

STANDARD FLANGED RUNNER BLOCKS REPLACING THK

DOCUMENT: 03-EVOLUTION-REXROTH-THK-IX-FNS25 (Flanged, Normal, Standard Height)

Rexroth



THK SHS



THK HSR



	Rexroth 1651-894-20	THK SHS20C	THK HSR20A	THK HSR20B	THK HSR20C	THK HSR20CB
Overall Width [mm]	70	70	70	70	70	70
Rail Width [mm]	23	23	23	23	23	23
Runner Block Length [mm]	86.2	92	83	83	83	83
Overall Height [mm]	36	36	36	36	36	36
Rail Height [mm]	24.45	20	22	22	22	22
Mounting Hole Spacing (widthwise) [mm]	57	57	57	57	57	57
Mounting Hole spacing (lengthwise) [mm]	45	45	45	45	45	45
Number of Mounting Holes	6	4	4	4	4	4
Rail Hole Spacing [mm]	60	60	60	60	60	60
Rail Material	Steel	Steel	Steel	Steel	Steel	Steel
Runner Block Material	Steel	Steel	Steel	Steel	Steel	Steel
Dynamic Load Capacity (100 km) [N]	28,600	25,160	15,795	15,795	15,795	15,795
Static Load Capacity [N]	35,900	52,400	34,400	34,400	34,400	34,400
Dynamic Axial Momnt Capacity (100 km) [Nm]	410	270	158	158	158	158
Static Axial Moment Capacity [Nm]	510	563	344	344	344	344
Pitch / Yaw (static) [Nm]	360	566	307	307	307	307
Pitch / Yaw (dynamic) [Nm]	290	-	-	-	-	-

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.