



REXROTH PROFILED BALL RAIL – RUNNERBLOCK INTERCHANGE

SIZE 30 FNS – 1651-714-20 (2% Pre-Load)

Rail PN: 1605-704-31-XXXX(T1=XX) 4m Max

SIZE 30 FNS – 1651-794-20 (0% Pre-Load)

Rail PN: 1605-704-31-XXXX(T1=XX) 4m Max

STANDARD FLANGED RUNNER BLOCKS REPLACING THK

DOCUMENT: 04-EVOLUTION-REXROTH-THK-IX-FNS30 (Flanged, Normal, Standard Height)

Rexroth



THK SHS



THK HSR



	Rexroth 1651-714-20	THK SHS30C	THK HSR30A	THK HSR30B	THK HSR30C	THK HSR30CB
Overall Width [mm]	90	90	90	90	90	790
Rail Width [mm]	28	28	28	28	28	8
Runner Block Length [mm]	97.7	106	98	98	98	98
Overall Height [mm]	42	42	42	42	42	42
Rail Height [mm]	28.55	23	26	26	26	26
Mounting Hole Spacing (widthwise) [mm]	72	72	72	72	72	72
Mounting Hole spacing (lengthwise) [mm]	52	52	52	52	52	52
Number of Mounting Holes	6	4	4	4	4	4
Rail Hole Spacing [mm]	80	80	80	80	80	80
Rail Material	Steel	Steel	Steel	Steel	Steel	Steel
Runner Block Material	Steel	Steel	Steel	Steel	Steel	Steel
Dynamic Load Capacity (100 km) [N]	36,500	35,558	22,224	22,224	22,224	22,224
Static Load Capacity [N]	48,100	66,600	46,800	46,800	46,800	46,800
Dynamic Axial Momnt Capacity (100 km) [Nm]	630	462	267	267	267	267
Static Axial Moment Capacity [Nm]	830	865	562	562	562	562
Pitch / Yaw (static) [Nm]	580	786	524	524	524	524
Pitch / Yaw (dynamic) [Nm]	440	-	-	-	-	-

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.