



## REXROTH PROFILED BALL RAIL – RUNNERBLOCK INTERCHANGE

**SIZE 15 FNS – 1651-114-20 (2% Pre-Load) Rail PN: 605-104-31-XXXX (T1=XX) 4m Max**

STANDARD FLANGED RUNNER BLOCKS REPLACING THK

DOCUMENT: 01-EVOLUTION-REXROTH-THK-IX-FNS15 (Flanged, Normal, Standard Height)

**Rexroth**



**THK SHS**



**THK HSR**



|  | Rexroth<br>1651-114-20 | THK<br>SHS15C | THK<br>HSR15A | THK<br>HSR15B | THK<br>HSR15C | THK<br>HSR15CB |
|--|------------------------|---------------|---------------|---------------|---------------|----------------|
| Overall Width [mm]                         | 47                     | 47            | 47            | 47            | 47            | 47             |
| Rail Width [mm]                            | 15                     | 15            | 15            | 15            | 15            | 15             |
| Runner Block Length [mm]                   | 58.2                   | 64.4          | 56.5          | 57            | 57            | 57             |
| Overall Height [mm]                        | 24                     | 24            | 24            | 24            | 24            | 24             |
| Rail Height [mm]                           | 16.3                   | 13            | 15            | 15            | 15            | 15             |
| Mounting Hole Spacing (widthwise) [mm]     | 38                     | 38            | 38            | 38            | 38            | 38             |
| Mounting Hole spacing (lengthwise) [mm]    | 30                     | 30            | 30            | 30            | 30            | 30             |
| 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]         | 9,860                  | 11,271        | 6,612         | 6,612         | 6,612         | 6,612          |
| Static Load Capacity [N]                   | 12,700                 | 24,200        | 13,500        | 13,500        | 13,500        | 13,500         |
| Dynamic Axial Momnt Capacity (100 km) [Nm] | 95                     | 75            | 41            | 41            | 41            | 41             |
| Static Axial Moment Capacity [Nm]          | 120                    | 160           | 84            | 84            | 84            | 84             |
| Pitch / Yaw (static) [Nm]                  | 87                     | 175           | 80.5          | 80.5          | 80.5          | 80.5           |
| Pitch / Yaw (dynamic) [Nm]                 | 68                     | -             | -             | -             | -             | -              |

**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.