



Profiled Rail & Runner Blocks

In Stock. Shipped Fast. Competitive Pricing.

Morrell Group's exclusive Sweet16 program keeps Bosch Rexroth Profiled Ball Rail and Runner Blocks in stock, available to cut-to-size and shipped fast. 2-week standard delivery. 5-day and 2-day delivery options available.

High level of rigidity in all directions also permits use as an individual block. Mounting holes on Flanged Bearings can be used with taps or as through holes

Dimples in tops of end caps allow for lubrication through customer mounting plate

20 MILLION METER RELUBRICATION INTERVAL

Minimal lubrication consumption due to an integrated slow-release reservoir. Rolling elements are wiped with oil every pass

Optimized entry-zone geometry and the high number of balls per track increase L10 dynamic life

Guide rails are available with a bottom mount option or with rail seal cover strip

Ball chain available as a quieter option, 10 m/s speed rated

Rail has dual reference edges

Smooth light running due to optimized ball recirculation and ideal tracking of balls 5 m/s speed rated

Integral all-around sealing including longitudinal seals

Lubrication access from 6 points via threaded metallic end caps

Rolling elements are retained when bearing is removed from rail

Complimentary Products



Bosch Rexroth
EMC



Bosch Rexroth
Modules



Nexen Zimmer
Rail Brakes



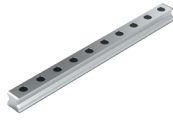
Leantechnik
Gear Racks



Joyce Dayton
Screw Drives

To order contact 248-373-1600, email orders@morrellinc.com, or chat online at morrell-group.com/sweet16

Guaranteed Inventory

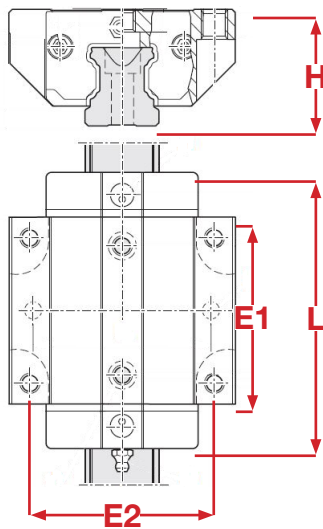
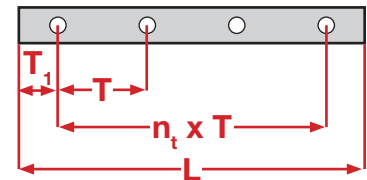


SIZE	RAIL PART NO.	T	PRELOAD	FLANGED CARRIAGE PART NO.	SLIMLINE CARRIAGE PART NO.
15	1605-104-31	60	2%	1651-114-20	1622-114-20
20	1605-804-31	60	0%	1651-894-20	1622-894-20
25	1605-204-31	60	0%	1651-294-20	1622-294-20*
			2%	1651-214-20	1622-214-20
30	1605-704-31	80	0%	1651-794-20*	N/A
			2%	1651-714-20	1622-714-20
35	1605-304-31	80	0%	1651-394-20*	N/A
			2%	1651-314-20	1622-314-20
45	1605-404-31	105	0%	1651-494-20*	N/A
			2%	1651-414-20	N/A

Critical Ball Rail Dimensions

*Low Drag Options Stocked - Call for Part Numbers

- Specify Length (L) and (T_1) Dimensions When Ordering
 - i.e. 1605-204-31-1000 ($T_1=20$)
- Dimensions Listed In mm Normal Accuracy
 - 0.040 mm tolerance height
 - 0.100 mm tolerance ref edge
- Rail Lengths Up To 3,800 mm



SIZE		H	L	E1	E2	Tap
15	Flanged 1651	24	58.2	30	38	M5
	Slimline 1622	24	58.2	26	26	M4
20	Flanged 1651	30	75.0	40	53	M6
	Slimline 1622	30	75.0	36	32	M5
25	Flanged 1651	36	86.2	45	57	M8
	Slimline 1622	36	86.2	35	35	M6
30	Flanged 1651	42	97.7	52	72	M10
	Slimline 1622	42	97.7	40	40	M8
35	Flanged 1651	48	110.5	62	82	M10
	Slimline 1622	48	110.5	50	50	M8
45	Flanged 1651	60	137.6	80	100	M12
	Slimline 1622	60	137.6	60	60	M10

E Engineering Partner

S Systems Integrator

V Value-Added Distributor

MorrellGroup
Evolution in Controls

248-373-1600 • morrell-group.com • orders@morrellinc.com

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