

# Ball Rail System Compact Line - BSCL

**IN STOCK. SHIPPED FAST. COMPETITIVELY PRICED.**

Through the BSCL Ball Rail System Stocking Program, Evolution Motion Solutions stocks the Bosch Rexroth BSCL rail and blocks in sizes 15, 25, 35, and 45—available cut-to-size and shipped fast with 2-week standard delivery and 5-day and 2-day delivery options available.

The BSCL offers an economical, compact solution for automation and handling tasks that don't require the ultra-precision of traditional linear guides.



Mounting holes on flanged bearing can be used with taps or through holes.

Dimples in tops of endcaps allow for lubrication through customer mounting plate.

5000 meter relubrication interval

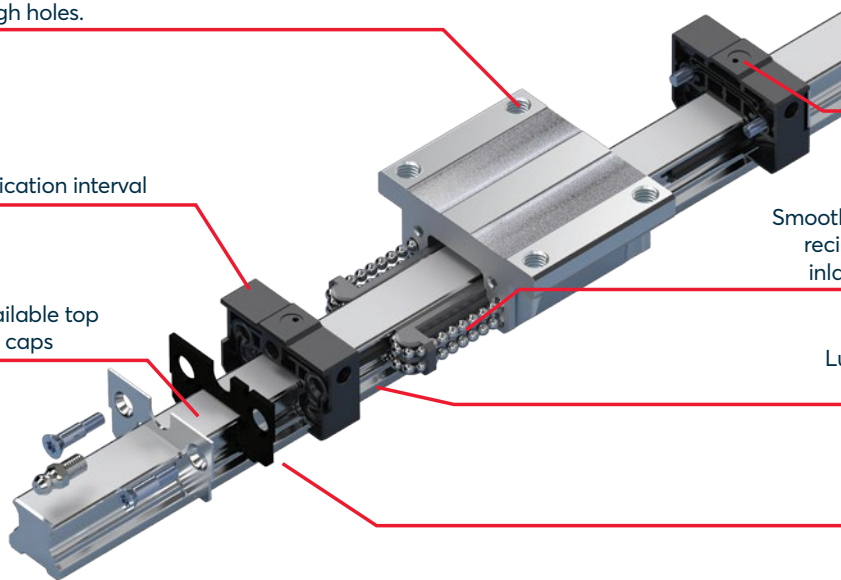
Smooth running due to optimized ball recirculation design thanks to steel inlay technology rated up to 5 m/s

Guide rails are available top mount and plastic caps

Lubrication access from 6 points via threaded endcaps

Rail has dual reference edges

Standard sealing plate optional scraper plates and sealing kits are available



## Complimentary Products



**Bosch Rexroth**  
• EMC



**Bosch Rexroth**  
• Modules



**Bosch Rexroth**  
• Screw Drives



**Bosch Rexroth**  
• SMS Modules



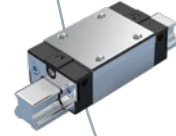
**Leantechnik**  
• Gear Racks

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[evolutionmotion.com/products/ball-rail-system-compact-line-bscl](http://evolutionmotion.com/products/ball-rail-system-compact-line-bscl)



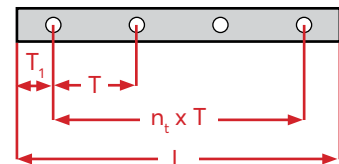
## Guaranteed Inventory



SIZE	RAIL PART NO.	T	PRELOAD	FLANGED CARRIAGE PART NO.	SLIMLINE CARRIAGE PART NO.
15	2055-104-31	60	0%	205A-194-20	205C-194-20
			2%	205A-114-20	205C-114-20
25	2055-204-31	60	0%	205A-294-20	205C-294-20
			2%	205A-214-20	205C-214-20
35	2055-304-31	80	0%	205A-394-20	205C-394-20
			2%	205A-314-20	205C-314-20
45	2055-404-31	105	0%	205A-494-20	205C-494-20
			2%	205A-414-20	205C-414-20

## Critical Ball Rail Dimensions

- Specify Length (L) and (T1) Dimensions When Ordering
  - i.e. 205A-204-31-1000 (T1=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	RAIL PART NO.	H	L	E1	E2	TAP
15	FLANGED 205A	24	58.2	38	30	M5
	SLIMLINE 205C	24	58.2	26	26	M4
25	FLANGED 205A	36	86.2	57	45	M6
	SLIMLINE 205C	36	86.2	35	35	M6
35	FLANGED 205A	48	110.5	82	62	M8
	SLIMLINE 205C	48	110.5	50	50	M8
45	FLANGED 205A	60	137.6	100	80	M10
	SLIMLINE 205C	60	137.6	60	60	M10

