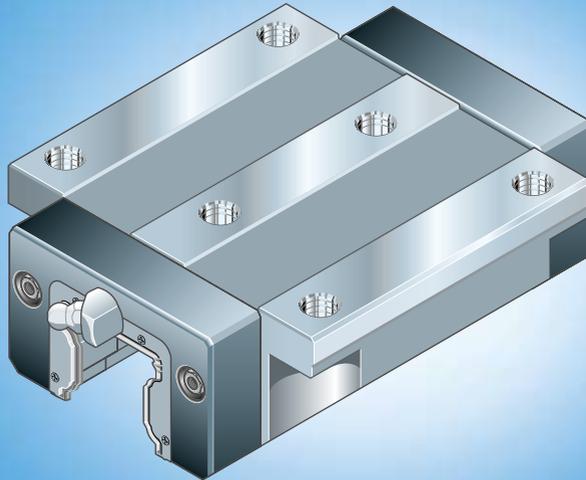


# Ball Rail Systems

## Phase-out parts

R310EN 2223 (2008.11)

The Drive & Control Company



## Phase-out parts

The following products are spare parts for Ball Rail Systems models that were phased out in the year 2003. Only the stated accuracy and preload class combinations are still available.

For new designs, please select components from the main Ball Rail Systems catalog R310EN 2202 (2008.11).

### Standard Steel Ball Runner Blocks

- Standard seals

1) R1651 only

FNS  
R1651 ... 10



FLS  
R1653 ... 10



- Size: 15<sup>1)</sup>, 20, 25, 30, 35, 45
- Accuracy class / preload class:  
H/C0 R165. .93 10  
H/C1 R165. .13 10  
P/C1 R165. .12 10  
P/C2 R165. .22 10  
SP/C2 R165. .21 10  
SP/C3 R165. .31 10

### Standard Steel Ball Runner Blocks

- Standard seals

1) R1622/R1621 only

2) R1622/R1623 only

SNS/SNH  
R1622/R1621 ... 10



SLS/SLH  
R1623/R1624 ... 10



- Size: 15<sup>1)</sup>, 20<sup>2)</sup>, 25, 30, 35, 45
- Accuracy class / preload class:  
H/C0 R162. .93 10  
H/C1 R162. .13 10  
P/C1 R162. .12 10  
P/C2 R162. .22 10

### Standard / Super Steel Ball Runner Blocks

- Standard seals

1) H/C0 only

FKS  
R1665/R1661 ... 10



SKS  
R1666/R1662 ... 10



- Size: 15<sup>1)</sup>, 20, 25, 30, 35
- Accuracy class / preload class:  
H/C0 R166. .93 10  
H/C1 R166. .13 10

## Phase-out parts

The following products are spare parts for Ball Rail Systems models that were phased out in the year 2003. Only the stated accuracy and preload class combinations are still available.

For new designs, please select components from the main Ball Rail Systems catalog R310EN 2202 (2008.11).

### Aluminum Ball Runner Blocks

- Standard seals

FNS  
R1631 ... 10



- Size:  
15, 25, 30, 35
- Accuracy class /  
preload class:  
H/C0 R163. .93 10  
H/C1 R163. .13 10

SNS  
R1632 ... 10



### Wide Steel Ball Runner Blocks

- Standard seals

BNS R1671 ... 10

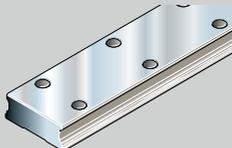


- Size: 20/40, 25/70
- Accuracy class /  
preload class:  
H/C0 R1671 .93 10  
H/C1 R1671 .13 10  
P/C1 R1671 .12 10

### Wide Steel Ball Guide Rails

- with plastic mounting  
hole plugs
- for mounting from  
below

BNS R167. 80. 3.



- Size: 20/40
- Accuracy class:  
H R1675 803 31/32  
  
H R1677 803 31/32

#### Code

##### Design style:

FNS = Flanged, normal, standard height  
 FLS = Flanged, long, standard height  
 FKS = Flanged, short, standard height  
 SNS = Slimline, normal, standard height  
 SLS = Slimline, long, standard height  
 SKS = Slimline, short, standard height  
 SNH = Slimline, normal, high  
 SLH = Slimline, long, high  
 BNS = Wide, normal, standard height

##### Preload class:

C0 = without preload  
 C1 = preload 2 % C  
 C2 = preload 8 % C  
 C3 = preload 13 % C

##### Size:

R16.. 1.. 10 = 15  
 R16.. 8.. 10 = 20  
 R16.. 2.. 10 = 25  
 R16.. 7.. 10 = 30  
 R16.. 3.. 10 = 35  
 R16.. 4.. 10 = 45  
 R1671 8.. 10 = 20/40  
 R1671 2.. 10 = 25/70

Bosch Rexroth AG  
Linear Motion and  
Assembly Technologies  
Ernst-Sachs-Straße 100  
97424 Schweinfurt, Germany  
Tel. +49 9721 937-0  
Fax +49 9721 937-275  
[www.boschrexroth.com/brl](http://www.boschrexroth.com/brl)

Subject to technical modifications