

# STAR – Miniature Ball Rail® Systems

## Wide Guide Rails

### Miniature guide rails 0455-

#### wide

Mounting hole pattern size 9/M3 B, 12 B:

– single row

Mounting hole pattern size 15 B:

– double row

Guide rails are made of corrosion and acid resistant material similar to DIN 17230 / EN 10088.

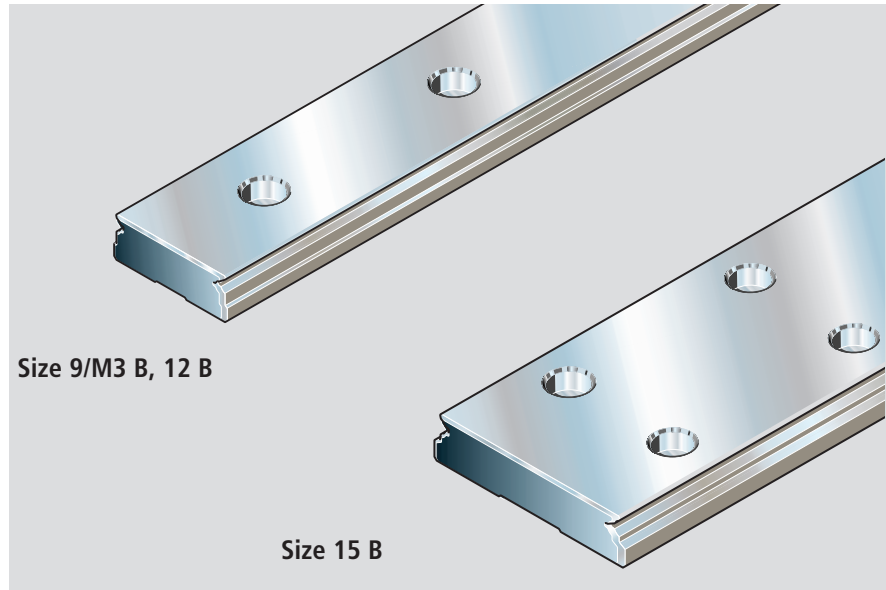
Special version:

All wide guide rails are also available with Rail Seal cover strip.

Part numbers:

0455-.6-..

(otherwise as per table)



### Part numbers

Size	Accuracy class	Part numbers for wide guide rails	
		Part number, Length L (mm)	
9/M3 B <sup>1)</sup>	P	0455-802-31,.....	
	H	0455-803-31,.....	
	N	0455-804-31,.....	
12 B <sup>1)</sup>	P	0455-202-31,.....	
	H	0455-203-31,.....	
	N	0455-204-31,.....	
15 B <sup>1)</sup>	P	0455-502-31,.....	
	H	0455-503-31,.....	
	N	0455-504-31,.....	

<sup>1)</sup> In preparation.

### Recommended rail lengths

$L = n_B \cdot T - 4$	<p>L = rail length (mm)</p> <p>T = hole spacing (mm)</p> <p><math>n_B</math> = number of holes per row</p>
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### Ordering examples

#### Example 1 (up to $L_{max}$ ):

Guide rail size 12 B, accuracy class P, recommended rail length 836 mm ( $20 \cdot T$ , number of holes  $n_B = 21$ ,  $T_1$  is identical at both ends of the guide rail)

Ordering data: 0455-202-31, 836 mm

+ If no  $T_1$  is specified by the customer, both ends of the guide rail will be identical.

The rail lengths were calculated using the formula for recommended rail lengths.

#### Example 2 (up to $L_{max}$ with cover strip):

Guide rail size 9/M3 B, accuracy class H, recommended rail length 926 mm ( $30 \cdot T$ , number of holes  $n_B = 31$ ,  $T_1$  at one end of guide rail = 4.5 mm)

Ordering data:

0455-863-31, 926 mm,  $T_1 = 4.5$  mm

(At the other end of the guide rail  $T_1 = 21.5$  mm for production reasons.)

#### Example 3 (over $L_{max}$ ):

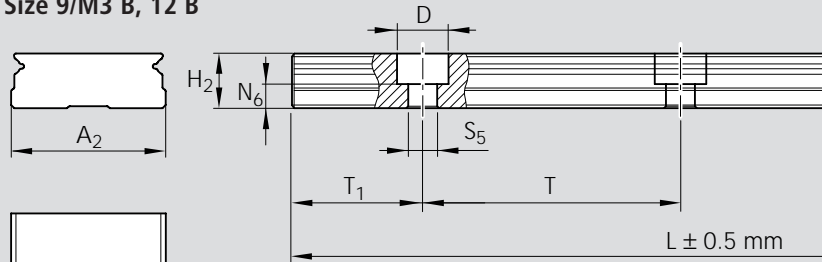
Guide rail size 15 B, accuracy class N, recommended rail length 1436 mm, **2** sections ( $35 \cdot T$ , number of holes  $n_B = 36$  per row,  $T_1$  is identical at both ends of the composite guide rail)

Ordering data: 0455-504-32, 1436 mm

Number of sections

## Dimensions and weights

### Size 9/M3 B, 12 B



#### Guide rail:

Position tolerance of the mounting holes for

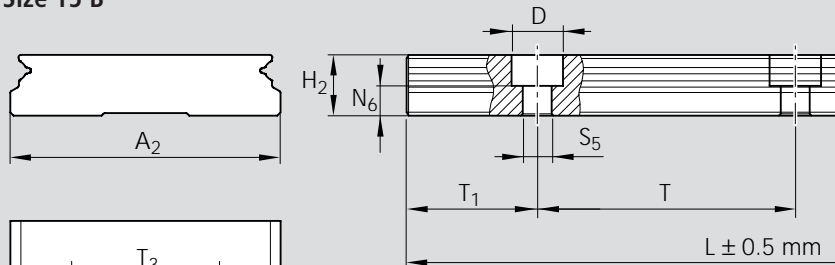
- rail length up to 500 mm

$$\oplus \text{ } \varnothing 0.3$$

- rail length up to 1000 mm

$$\oplus \text{ } \varnothing \text{ up to } 0.6, \text{ increasing in linear proportion}$$

### Size 15 B



#### Guide rail:

Position tolerance of the mounting holes for

- rail length up to 500 mm

$$\oplus \text{ } \varnothing 0.3$$

- rail length up to 1000 mm

$$\oplus \text{ } \varnothing \text{ up to } 0.6, \text{ increasing in linear proportion}$$

Size	Dimensions (mm)									Weight g/100 mm
	A <sub>2</sub>	H <sub>2</sub>	N <sub>6</sub>	D	S <sub>5</sub>	T <sub>1min</sub>	T	T <sub>3</sub>	L <sub>max</sub> <sup>1)</sup>	
9/M3 B	18	7.5	2.7	6.0	3.5	4.5	30	–	1000	92
12 B	24	8.5	3.7	8.0	4.5	5.5	40	–	1000	145
15 B	42	9.5	4.7	8.0	4.5	5.5	40	23	1000	286

<sup>1)</sup> For rail lengths longer than L<sub>max</sub> factory-made mating sections are joined end-to-end.