

# Standard Runner Blocks, Steel Version

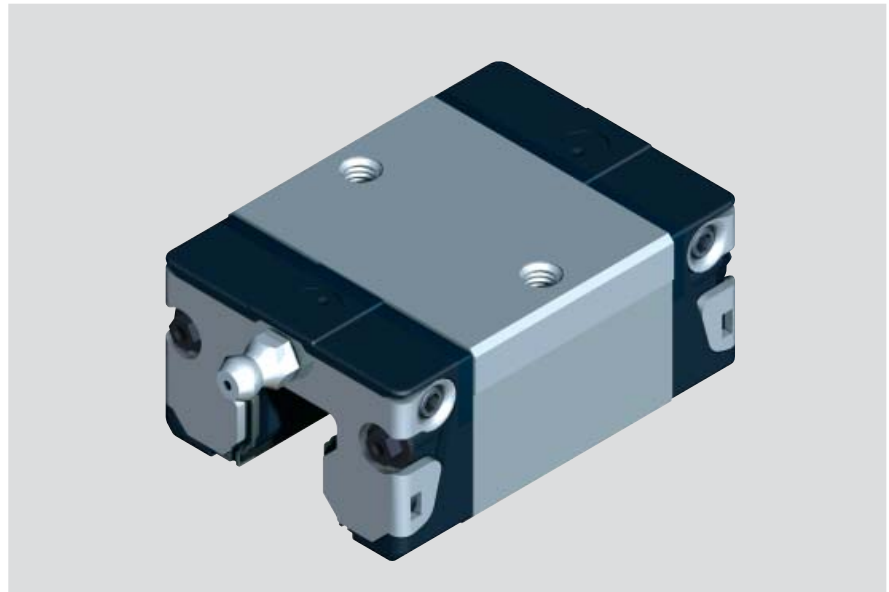
## Runner Block SKS R1666

### Slimline Short

- Runner block without ball chain:  
for part numbers, see table
- Runner block with low friction seal  
without ball chain:  
Part numbers R1666 xxx 21
- Runner block with ball chain:  
Part numbers R1666 xxx 22
- Runner block without low friction seal  
and ball chain:  
Part numbers R1666 xxx 23

### Dynamic Characteristics

Speed  $v_{\max} = 5 \text{ m/s}$   
Acceleration  $a_{\max} = 500 \text{ m/s}^2$



### Precision Runner Block

- Pre-lubricated

### Corrosion resistant version Res-ist NR\* R2010

- Pre-lubricated

Resist NR without ball chain, see table

Resist NR with low friction seal, without ball chain R2010 xxx 31

Resist NR with ball chain 2010 xxx 32

Resist NR with low friction seal and ball chain R2010 xxx 33

- Pre-lubricated

\* In Preparation

### Corrosion resistant Custom version Resist CR

- Pre-lubricated

Chromium-plated matt silver runner block housing instead of corrosion-resistant steel runner block housing

Resist CR without ball chain R1665 xxx 70

Resist CR with low friction seal, without ball chain R1665 xxx 71

Resist CR with ball chain R1665 xxx 72

Resist CR with low friction seal and ball chain R1665 xxx 73

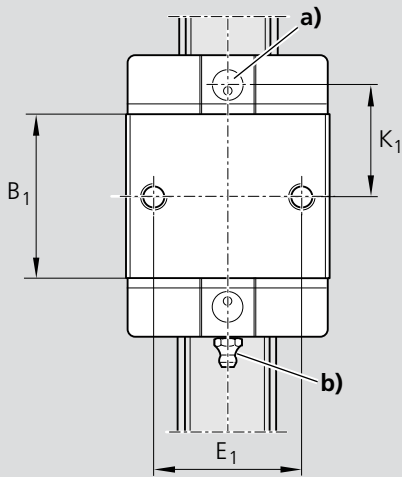
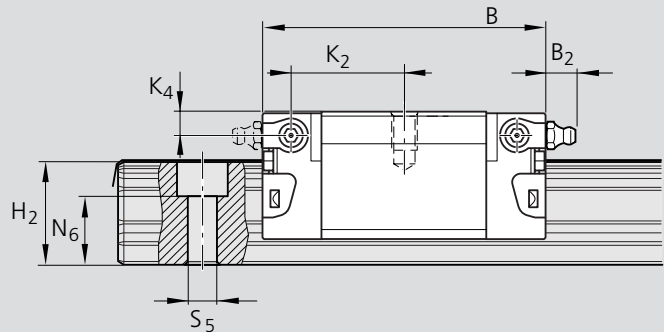
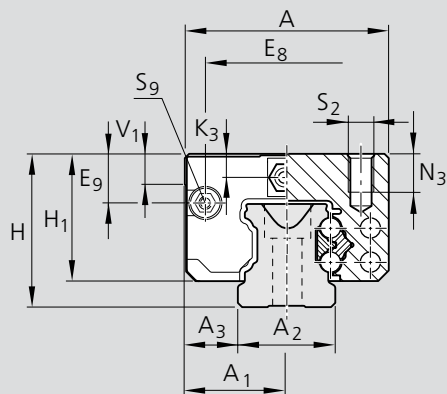
### Preload Class

C0 = without Preload

C1 = Preload 2% C

Size	Accuracy Class	Part numbers for runner blocks for preload class	
		C0	C1
15	N	R1666 194 20	R1666 114 20
	H	R1666 193 20	R1666 113 20
20	N	R1666 894 20	R1666 814 20
	H	R1666 893 20	R1666 813 20
25	N	R1666 294 20	R1666 214 20
	H	R1666 293 20	R1666 213 20
30	N	R1666 794 20	R1666 714 20
	H	R1666 793 20	R1666 713 20
35	N	R1666 394 20	R1666 314 20
	H	R1666 393 20	R1666 313 20

Size	Accuracy Class	Part numbers for runner blocks for preload class	
		C0	C1
15	H	R2010 193 30	
20	H	R2010 893 30	
25	H	R2010 293 30	
30	H	R2010 793 30	R2010 713 30
35	H	R2010 393 30	R2010 313 30



**a)** For O-ring  
 Size 15: dia. 4 · 1.0 (mm)  
 Size 20-35: dia. 5 · 1.0 (mm)  
 Open lube bore as required.  
 See Accessories:  
 Mounting lubrication  
 adapter.

**b)** Lube nipple sizes 15 and 20: funnel-  
 type nipple  
 Type A – M3 x 5, DIN 3405  
 $B_2 = 1.6$  mm  
 If another lube nipple is used: observe  
 the screw-in depth of 5 mm!  
 Size 25 to 35: M6 x 8,  
 DIN 71412  
 $B_2 = 9.5$  mm  
 If another lube nipple is used: observe  
 the screw-in depth of 8 mm!  
 Connection possible at all sides.

Dimensions (mm)

Size	A	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	B	B <sub>1</sub>	H	H <sub>1</sub>	H <sub>2</sub> <sup>1)</sup>	H <sub>2</sub> <sup>2)</sup>	V <sub>1</sub>	E <sub>1</sub>	E <sub>8</sub>	E <sub>9</sub>	K <sub>1</sub>	K <sub>2</sub>	K <sub>3</sub>	K <sub>4</sub>
15	34	17	15	9.5	44.7	25.7	24	19.90	16.30	16.20	5.0	26	24.55	6.70	16.25	17.85	3.20	3.20
20	44	22	20	12.0	57.3	31.9	30	25.35	20.75	20.55	6.0	32	32.50	7.30	22.95	22.95	3.35	3.35
25	48	24	23	12.5	67.0	38.6	36	29.90	24.45	24.25	7.5	35	38.30	11.50	25.35	26.50	5.50	5.50
30	60	30	28	16.0	75.3	45.0	42	35.35	28.55	28.35	7.0	40	48.40	14.60	28.80	30.50	6.05	6.05
35	70	35	34	18.0	84.9	51.4	48	40.40	32.15	31.85	8.0	50	58.00	17.35	32.70	34.20	6.90	6.90

<sup>1)</sup> Dimension H<sub>2</sub> with rail seal cover strip

<sup>2)</sup> Dimension H<sub>2</sub> without rail seal cover strip

Size	Dimensions (mm)					Mass (kg)	Load capacities (N) <sup>3)</sup>		Moments (Nm)			
	N <sub>3</sub>	N <sub>6</sub> <sup>±0.5</sup>	S <sub>2</sub>	S <sub>5</sub>	S <sub>9</sub>		C dyn.	C <sub>0</sub> stat.	M <sub>t</sub> dyn.	M <sub>t0</sub> stat.	M <sub>L</sub> dyn.	M <sub>L0</sub> stat.
15	6.0	10.3	M4	4.4	M2.5-3.5 deep	0.10	6 800	8 100	52	80	19	28
20	7.5	13.2	M5	6.0	M3-5 deep	0.25	12 400	13 600	150	170	52	58
25	9.0	15.2	M6	7.0	M3-5 deep	0.35	15 800	18 200	230	260	82	94
30	12.0	17.0	M8	9.0	M3-5 deep	0.60	22 100	24 800	380	430	133	150
35	13.0	20.5	M8	9.0	M3-5 deep	0.90	29 300	32 400	640	700	200	220

<sup>3)</sup> Load capacities for version without ball chain. Load capacities for version with ball chain, see Product Overview with Load Capacities. Determination of the dynamic of the load capacities and moments is based on 100,000 m of stroke travel. Often only 50,000 m are actually stipulated. Comparison: Value C, M<sub>t</sub> und M<sub>L</sub> per table multiplied by 1.26.