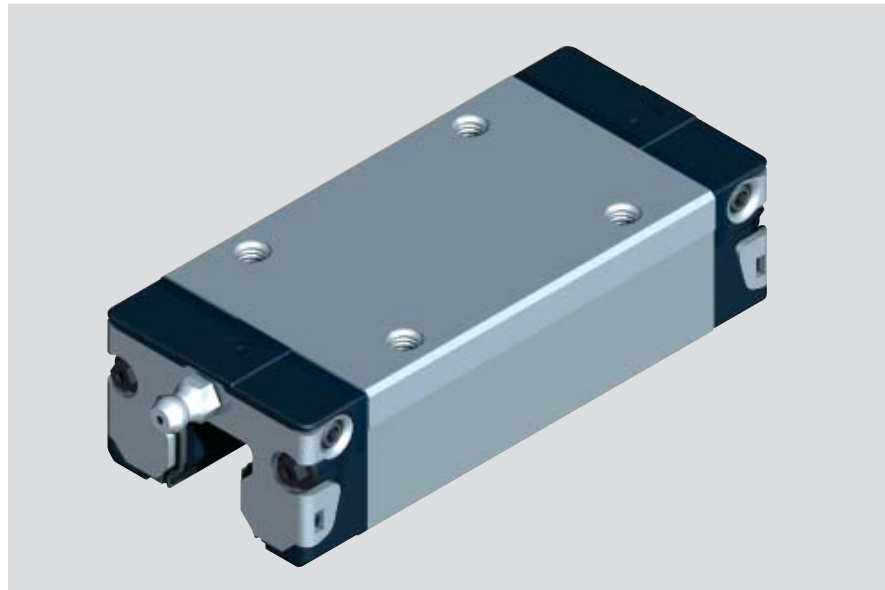


Runner Blocks, Steel Version

Runner Block SNS R1623

Slimline Long

- Runner block without ball chain:
for part numbers, see table
- Runner block with low friction seal without ball chain**:
Part numbers R1623 xxx 21
- Runner block with ball chain:
Part numbers R1623 xxx 22
- Runner block with Low friction seal und ball chain**:
Part numbers R1623 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

- Pre-lubricated

For Resist NR corrosion-resistant steel runner block, see appropriate section.

For Resist NR II - All corrosion-resistant steel parts, see appropriate section.

High Precision Runner Blocks

- Improved travel accuracy
- Superior quality
- Highest precision
- Pre-lubricated
- Minimal preservation

Preload Class

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

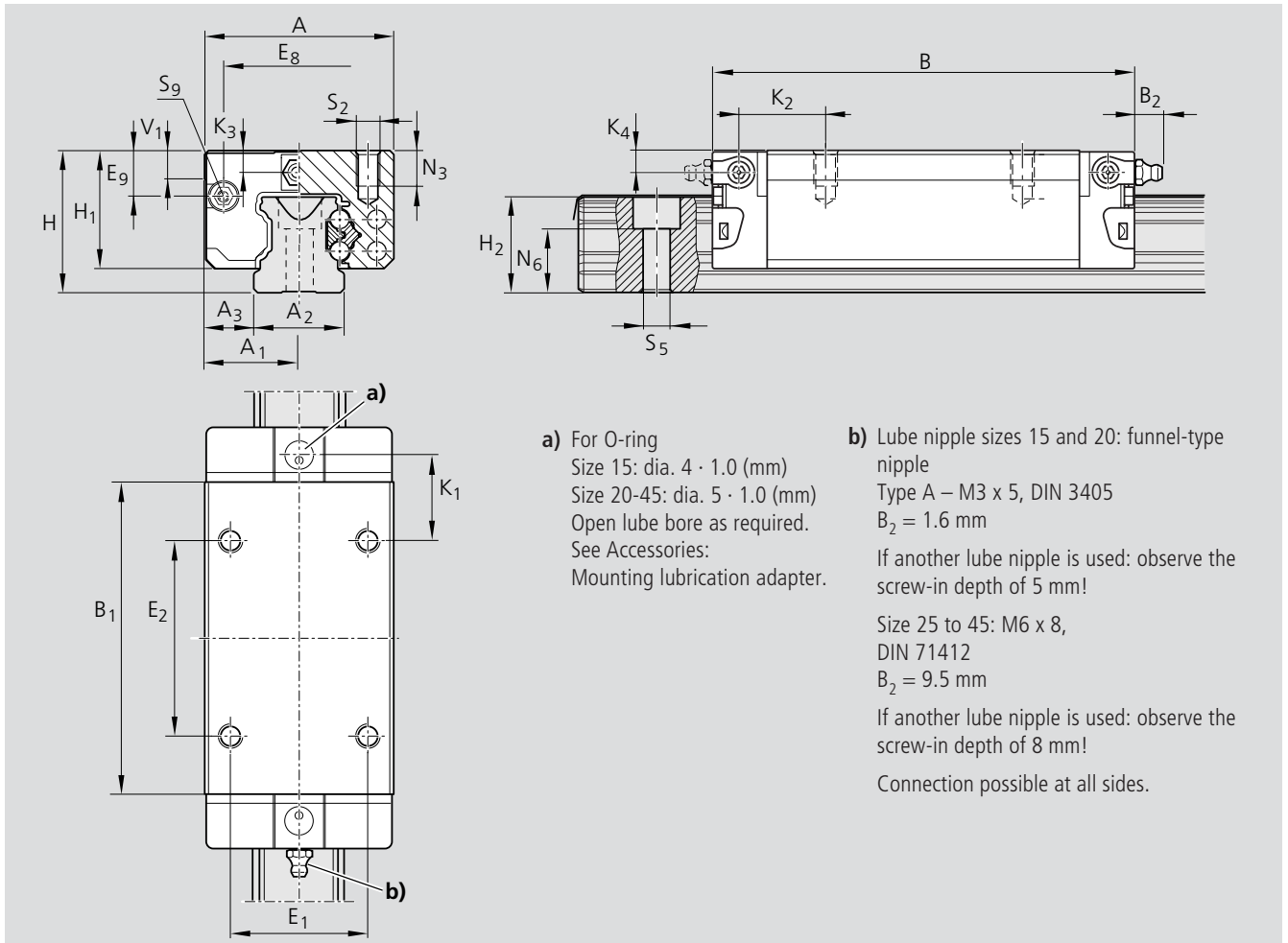
For further technical information, please see chapter on "General Technical Data and Calculations".

Size	Accuracy Class	Part numbers for runner blocks for preload class		
		C0	C1	C2
15	N	R1623 194 20	R1623 114 20	R1623 124 20
	H	R1623 193 20	R1623 114 20	R1623 123 20
	P		R1623 112 20	R1623 122 20
20	N	R1623 894 20	R1623 814 20	R1623 824 20
	H	R1623 893 20	R1623 813 20	R1623 823 20
	P		R1623 812 20	R1623 822 20
25	N	R1623 294 20	R1623 214 20	R1623 224 20
	H	R1623 293 20	R1623 213 20	R1623 223 20
	P		R1623 212 20	R1623 222 20
30	N	R1623 794 20	R1623 714 20	R1623 724 20
	H	R1623 793 20	R1623 713 20	R1623 723 20
	P		R1623 712 20	R1623 722 20
35	N	R1623 394 20	R1623 314 20	R1623 324 20
	H	R1623 393 20	R1623 313 20	R1623 323 20
	P		R1623 312 20	R1623 322 20
45*	N	R1623 494 20	R1623 414 20	R1623 424 20
	H	R1623 493 20	R1623 413 20	R1623 423 20
	P		R1623 412 20	R1623 422 20

Size	Accuracy Class	Part numbers for runner blocks for preload class		
		C1	C2	C3
15	XP	R1623 118 20	R1623 128 20	R1623 138 20
20	XP	R1623 818 20	R1623 828 20	R1623 838 20
25	XP	R1623 218 20	R1623 228 20	R1623 238 20
30	XP	R1623 718 20	R1623 728 20	R1623 738 20
35	XP	R1623 318 20	R1623 328 20	R1623 338 20
45*	XP	R1623 418 20	R1623 428 20	R1623 438 20

* No delivery with low friction seal

** Low friction seal available for preload C0 and C1 (only for precision classes N, H, XP)



Dimensions (mm)																			
Size	A	A ₁	A ₂	A ₃	B	B ₁	H	H ₁	H ₂ ¹⁾	H ₂ ²⁾	V ₁	E ₁	E ₂	E ₈	E ₉	K ₁	K ₂	K ₃	K ₄
15	34	17	15	9.5	72.6	53.6	24	19.90	16.30	16.20	5.0	26	26	24.55	6.70	17.20	18.80	3.20	3.20
20	44	22	20	12.0	91.0	65.6	30	25.35	20.75	20.55	6.0	32	50	32.50	7.30	14.80	14.80	3.35	3.35
25	48	24	23	12.5	107.9	79.5	36	29.90	24.45	24.25	7.5	35	50	38.30	11.50	20.80	21.95	5.50	5.50
30	60	30	28	16.0	119.7	89.4	42	35.35	28.55	28.35	7.0	40	60	48.40	14.60	21.00	22.70	6.05	6.05
35	70	35	34	18.0	139.0	105.5	48	40.40	32.15	31.85	8.0	50	72	58.00	17.35	23.75	25.25	6.90	6.90
45	86	43	45	20.5	174.1	133.5	60	50.30	40.15	39.85	10.0	60	80	69.80	20.90	35.50	37.50	8.20	8.20

¹⁾ Dimension H₂ with rail seal cover strip

²⁾ Dimension H₂ without rail seal cover strip

Size	Dimensions (mm)					Mass (kg)	Load Capacities (N) ³⁾				Moments (Nm)			
	N ₃	N ₆ ^{±0,5}	S ₂	S ₅	S ₉		C dyn.	C ₀ stat.	M _t dyn.	M _{t0} stat.	M _L dyn.	M _{L0} stat.		
15	6.0	10.3	M4	4.4	M2.5-3.5deep	0.20	10 000	20 200	130	190	98	150		
20	7.5	13.2	M5	6.0	M3-5 deep	0.45	24 400	35 200	310	450	225	330		
25	9.0	15.2	M6	7.0	M3-5 deep	0.65	30 400	45 500	430	650	345	510		
30	12.0	17.0	M8	9.0	M3-5 deep	1.10	40 000	57 800	690	1 000	495	715		
35	13.0	20.5	M8	9.0	M3-5 deep	1.70	55 600	81 000	1 200	1 740	830	1 215		
45	18.0	23.5	M10	14.0	M4-7 deep	3.20	90 400	128 500	2 440	3 470	1 700	2 425		

³⁾ 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_t und M_L per table multiplied by 1.26.