

Standard Runner Blocks, Steel version

Runner Block SLH

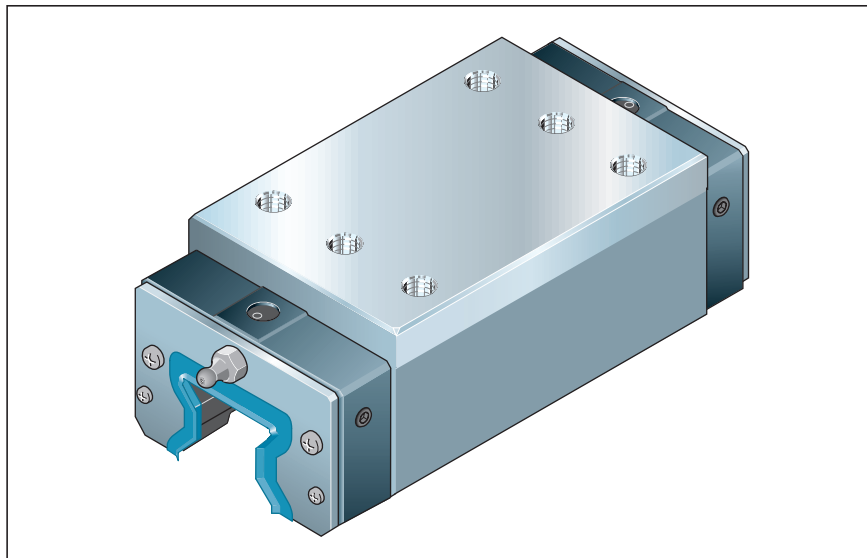
Runner block SLH
R1824 ... 10
Slimline, long, high
(Sizes 25 to 55)

Size 65:
Runner block SLS
1824 ... 10
Slimline, long, standard height

Further runner block versions

- with aluminum end caps
- for oil and grease lubrication from above
- for central oil lubrication systems
- for wall mounting

See the relevant sections for part numbers.



For corrosion-resistant runner blocks, Resist CR, matte silver hard chrome plated, see section on "Standard Runner Blocks, Resist CR".

Recommended preload and accuracy class combinations

- For preload class C2: H and P
 - For preload class C3: P and SP
- Preference should be given to runner blocks with preload C2.

Runner blocks with preload C1 are available on request. Part number: R1824 .1. 10

Preload classes

C1 = preload 3% C
(on request)

C2 = preload 8% C

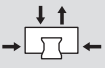





C3 = preload 13% C

Size	Accuracy class	Part numbers for preload class	
		C2	C3
25	H	R1824 223 10	–
	P	R1824 222 10	R1824 232 10
	SP	R1824 221 10	R1824 231 10
	UP	R1824 229 10	R1824 239 10
35	H	R1824 323 10	–
	P	R1824 322 10	R1824 332 10
	SP	R1824 321 10	R1824 331 10
	UP	R1824 329 10	R1824 339 10
45	H	R1824 423 10	–
	P	R1824 422 10	R1824 432 10
	SP	R1824 421 10	R1824 431 10
	UP	R1824 429 10	R1824 439 10
55	H	R1824 523 10	–
	P	R1824 522 10	R1824 532 10
	SP	R1824 521 10	R1824 531 10
	UP	R1824 529 10	R1824 539 10
65	H	R1824 623 10	–
	P	R1824 622 10	R1824 632 10
	SP	R1824 621 10	R1824 631 10
	UP	R1824 629 10	R1824 639 10

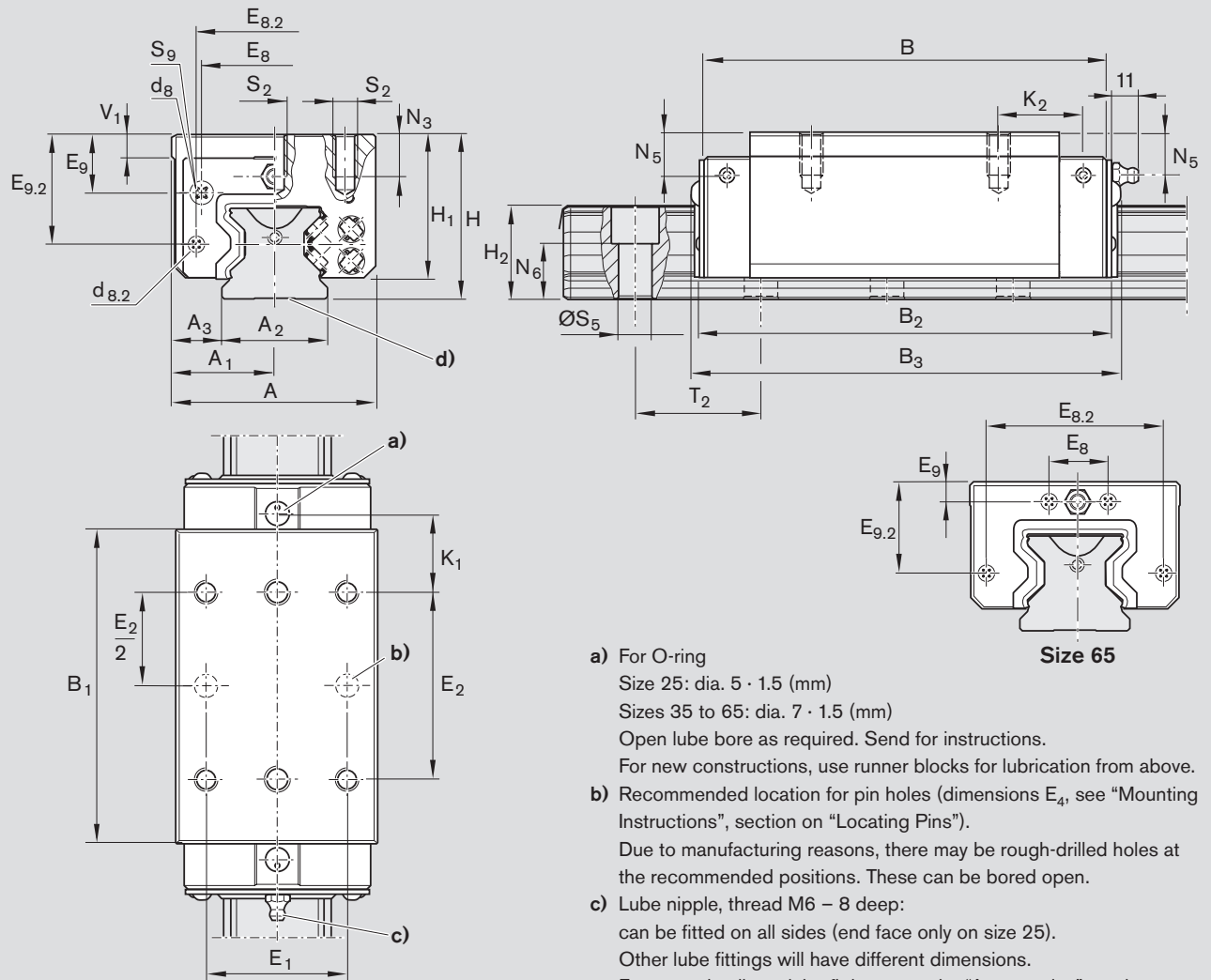
Note on dynamic load capacities and moments (see table)

The dynamic load capacities and moments are based on 100,000 m travel. However, a travel of just 50,000 m is often taken as a basis.

If this is the case, for comparison purposes: Multiply values C , M_t and M_L from the table by 1.23.

Size	Load capacities (N)		Moment loads (Nm)			
	 C	 C _o	 M _t	 M _{t0}	 M _L	 M _{L0}
25	33 300	70 000	432	908	420	900
35	69 700	149 300	1 375	2 953	1 135	2 430
45	119 200	256 600	2 941	6 331	2 520	5 430
55	165 000	345 300	4 837	10 122	4 030	8 440
65	265 500	525 600	9 410	18 630	7 960	15 760

Standard runner block SLH R1824 ... 10



- a) For O-ring
 Size 25: dia. 5 · 1.5 (mm)
 Sizes 35 to 65: dia. 7 · 1.5 (mm)
 Open lube bore as required. Send for instructions.
 For new constructions, use runner blocks for lubrication from above.
- b) Recommended location for pin holes (dimensions E_4 , see "Mounting Instructions", section on "Locating Pins").
 Due to manufacturing reasons, there may be rough-drilled holes at the recommended positions. These can be bored open.
- c) Lube nipple, thread M6 – 8 deep:
 can be fitted on all sides (end face only on size 25).
 Other lube fittings will have different dimensions.
 For more details on lube fittings, see the "Accessories" section.
- d) Due to manufacturing reasons, guide rails in accuracy class H may not have a slot on the base.

Size	Dimensions (mm)															
	A	A ₁	A ₂	A ₃	B	B ₁	B ₂	B ₃	d ₈	d _{8.2}	E ₁	E ₂	E ₈	E _{8.2}	E ₉	E _{9.2}
25	48	24	23	12.5	109.0	81.5	111.0	115	6	5	35	50	33.4	40.22	12.40	25.40
35	70	35	34	18.0	138.0	103.6	140.0	145	6	5	50	72	50.3	56.60	20.10	36.10
45	86	43	45	20.5	172.5	134.0	176.5	183	8	6	60	80	62.9	69.55	26.75	46.50
55	100	50	53	23.5	205.5	162.1	209.5	216	10	6	75	95	74.2	81.60	28.95	50.75
65	126	63	63	31.5	254.0	194.0	258.5	264	8	8	76	120	35.0	106.00	9.30	55.00

Size	Dimensions (mm)													Weight kg	
	H	H ₁	H ₂ ¹⁾	H ₂ ²⁾	K ₁	K ₂	N ₃	N ₅	N ₆ ^{±0.5}	S ₂	S ₅	S ₉ ³⁾	T ₂ ⁴⁾		V ₁
25	40	34	23.60	23.40	20.60	-	9	9.5	14.3	M6	7	M3-5deep	30.0	7.5	0.9
35	55	48	31.10	30.80	22.55	24.4	13	14.0	19.4	M8	9	M3-5deep	40.0	8.0	2.0
45	70	61	39.10	38.80	33.70	36.6	18	18.0	22.4	M10	14	M4-7deep	52.5	10.0	4.2
55	80	68	47.85	47.55	41.25	44.4	19	19.0	28.7	M12	16	M5-8deep	60.0	12.0	6.2
65	90	76	58.15	57.85	48.80	52.0	21	9.3	36.5	M16	18	M4-7deep	75.0	15.0	12.0

1) Dimension H₂ with cover strip
 2) Dimension H₂ without cover strip

3) Thread for attachments
 4) Dimension T₂ = hole spacing in the guide rail