

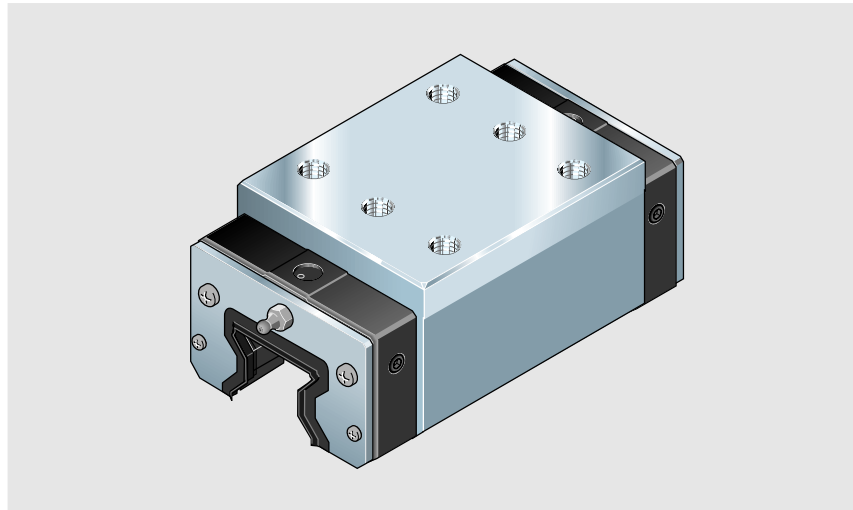
STAR – Roller Rail™ Systems

Runner Blocks

Runner Blocks 1821-

Slimline high

Special version:
Zinc-iron coating, yellow chromated, in
accuracy class H and preload 0.03 C.
Part numbers:
1821-.13-30



Part numbers

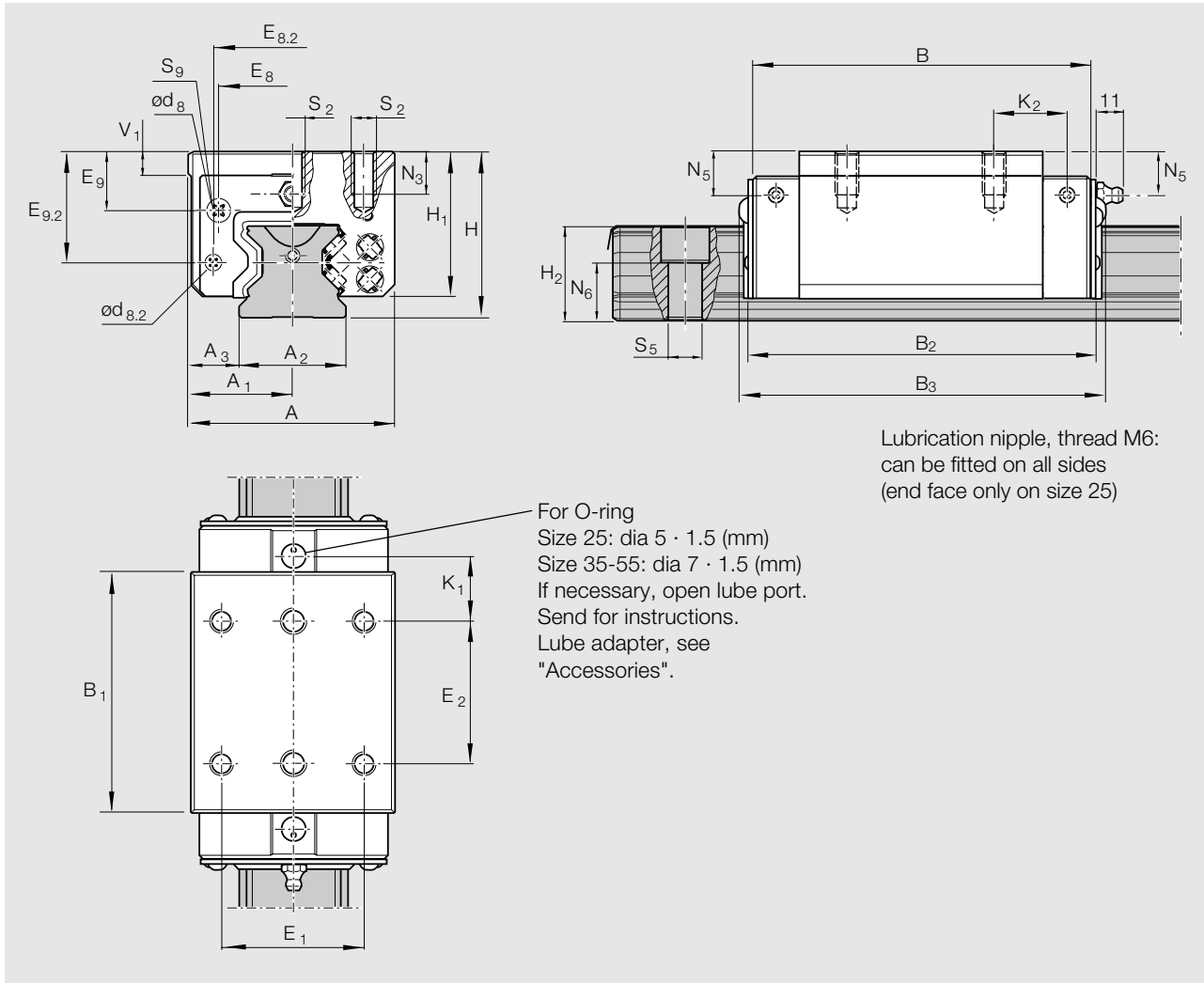
Size	Accuracy class	Part numbers		
		Preload 0.03 C	Preload 0.08 C	Preload 0.13 C
25	UP	1821-219-10	1821-229-10	1821-239-10
	SP	1821-211-10	1821-221-10	1821-231-10
	P	1821-212-10	1821-222-10	1821-232-10
	H	1821-213-10	1821-223-10	–
35	UP	1821-319-10	1821-329-10	1821-339-10
	SP	1821-311-10	1821-321-10	1821-331-10
	P	1821-312-10	1821-322-10	1821-332-10
	H	1821-313-10	1821-323-10	–
45	UP	1821-419-10	1821-429-10	1821-439-10
	SP	1821-411-10	1821-421-10	1821-431-10
	P	1821-412-10	1821-422-10	1821-432-10
	H	1821-413-10	1821-423-10	–
55	UP	1821-519-10	1821-529-10	1821-539-10
	SP	1821-511-10	1821-521-10	1821-531-10
	P	1821-512-10	1821-522-10	1821-532-10
	H	1821-513-10	1821-523-10	–

Notes on dynamic load capacities and moments

The dynamic load capacities and moments are based on 100,000 m travel.

For comparison with the 50,000 m travel sometimes applied for rail-type guideways, the figures for **C**, **M_t** and **M_L** in the table should be multiplied by 1.23.

Size	Load capacities (N)		Moments (Nm)			
	C	C ₀	M _t dyn.	M _{t0} stat.	M _L dyn.	M _{L0} stat.
25	26900	53200	348	690	260	520
35	56300	113500	1114	2245	700	1400
45	92300	184800	2277	4559	1430	2860
55	128900	248600	3779	7288	2400	4620



Size	Dimensions (mm)																
	A	A ₁	A ₂	A ₃	B	B ₁	B ₂	B ₃	H	H ₁	H ₂ ¹⁾	H ₂ ²⁾	V ₁	d ₈	d _{8.2}	E ₁	E ₂
25	48	24	23	12.5	91.0	63.5	93.0	97	40	34	23.55	23.40	7.5	5.7	–	35	35
35	70	35	34	18.0	114.0	79.6	116.0	121	55	48	31.10	30.80	8.0	5.7	5.2	50	50
45	86	43	45	20.5	140.0	101.5	144.0	150	70	61	39.10	38.80	10.0	7.6	5.7	60	60
55	100	50	53	23.5	166.5	123.1	170.5	177	80	68	47.85	47.55	12.0	9.5	5.7	75	75

¹⁾ Dimension H₂ with Rail Seal cover strip.
NEW: Size 35 - 55, 0.3 mm Rail Seal

²⁾ Dimension H₂ without Rail Seal cover strip.

Size	Dimensions (mm)												Weight (kg)
	E ₈	E _{8.2}	E ₉	E _{9.2}	N ₃	N ₅	N ₆ ^{±0.5}	S ₂	S ₅	S ₉ ³⁾	K ₁	K ₂	
25	33.4	–	12.40	25.40	9	9.5	14.3	M6	7	M3-5 deep	19.10	–	0.6
35	50.3	56.60	20.10	36.10	13	14.0	19.4	M8	9	M3-5 deep	21.55	23.40	1.5
45	62.9	69.55	26.75	46.50	18	18.0	22.4	M10	14	M4-7 deep	27.45	30.35	3.1
55	74.2	81.60	28.95	50.75	19	19.0	28.7	M12	16	M5-8 deep	31.75	34.95	4.6

³⁾ Thread for attachments