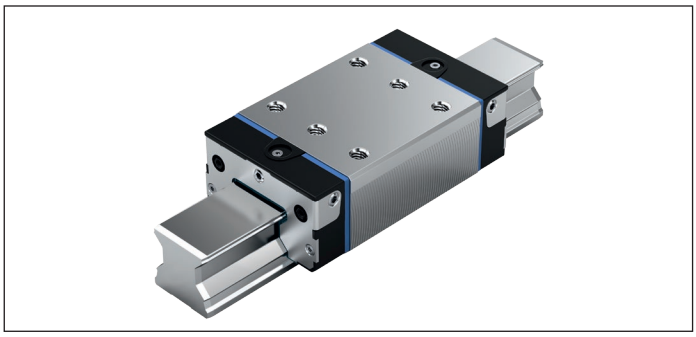
SNS – Slimline, normal, standard height
R1822 ... 2.



Dynamic characteristics

Travel speed: v_{max} = 4 m/s

Acceleration: a_{max} = 150 m/s^2

Recommended combination based on preload and accuracy class

- For preload C2: H and P (preferably)
- For preload C3: P and SP

Material numbers

Size	Roller runner block with size	Preload class		Accuracy class				Seals			
		C2	C3	H	P	SP	UP	DS	LS	SS	AS[1]
25	R1822 2	2		3	2	1	9	2X	–	–	–
			3		2	1	9	2X	–	–	–
35	R1822 3	2		3	2	1	9	2X	25	24	2A
			3		2	1	9	2X	25	24	2A
45	R1822 4	2		3	2	1	9	2X	25	24	2A
			3		2	1	9	2X	25	24	2A
55	R1822 5	2		3	2	1	9	2X	–	–	2A
			3		2	1	9	2X	–	–	2A
65	R1822 6	2		3	2	1	9	2X	–	–	–
			3		2	1	9	2X	–	–	–

1) With integrated DS seal

Technical data

Size	Mass (kg)	Load capacities[2] (N)		Torsional moment load capacity[2] (Nm)		Longitudinal moment load capacity[2] (Nm)	
	m	C	C_0	M_t	M_{t0}	M_L	M_{L0}
25	0.54	26900	59500	348	770	260	580
35	1.55	61000	119400	1210	2370	760	1480
45	2.90	106600	209400	2640	5180	1650	3,240
55	4.14	140400	284700	4120	8350	2610	5290
65	8.12	237200	456300	8430	16210	5260	10120

2) Determination of the dynamic load capacities and load moments is based on a stroke travel of 100,000 m according to DIN ISO 14728-1. However, often only 50,000 m is actually stipulated. For comparison: Multiply values C, M_t and M_L from the table by 1.23.

Order example

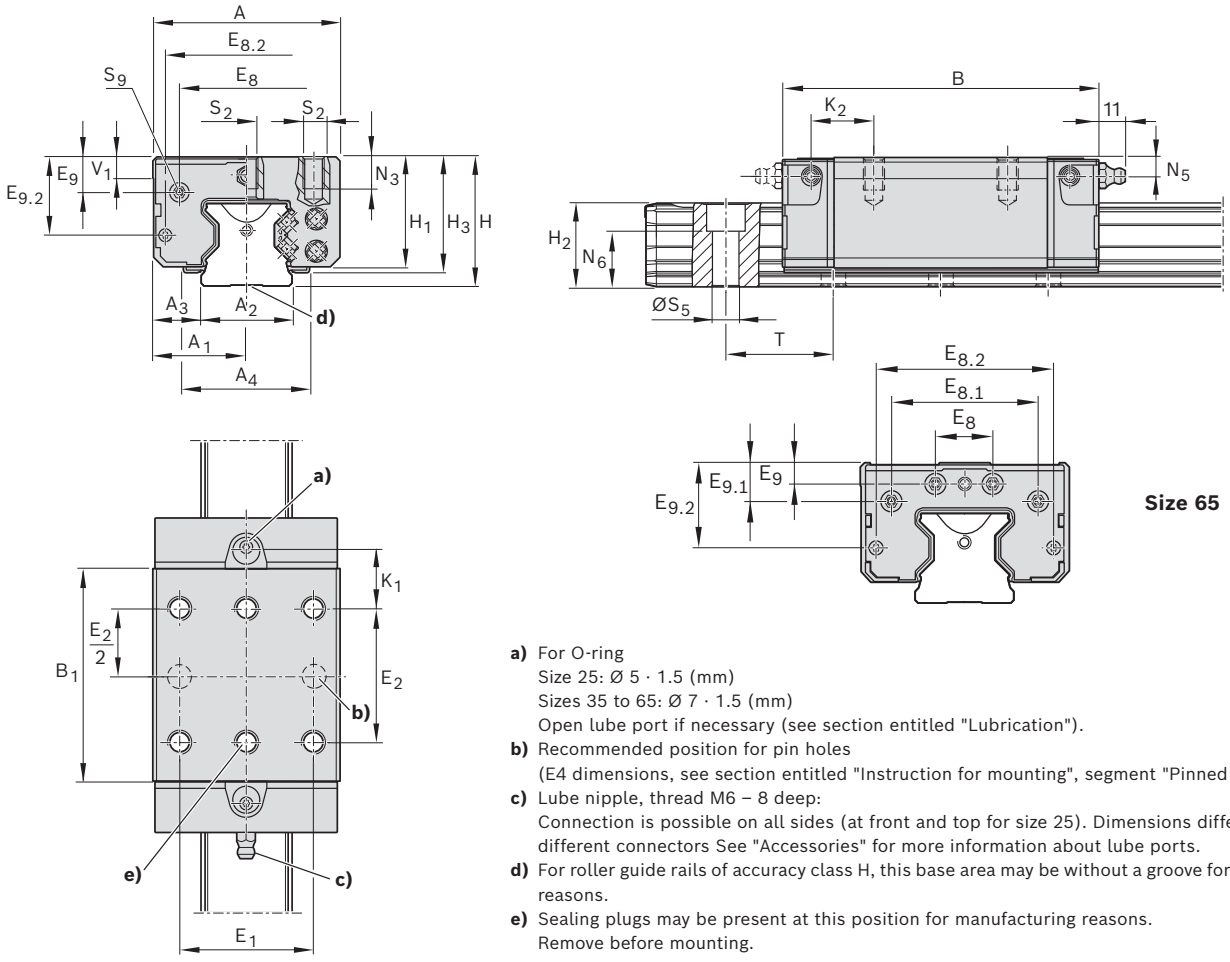
Options:

- Roller runner block SNS
- Size 35
- Preload class C2
- Accuracy class H
- With double-lip seal 2X

Material number: R1822 323 2X

Preload classes
C2 = Average preload
C3 = High preload
C1, C4, C5 upon request

Seals
DS = Double-lip seal
LS = Low-friction seal
SS = Standard seal
AS = Longitudinal seal



a) For O-ring
Size 25: Ø 5 · 1.5 (mm)
Sizes 35 to 65: Ø 7 · 1.5 (mm)
Open lube port if necessary (see section entitled "Lubrication").

b) Recommended position for pin holes
(E4 dimensions, see section entitled "Instruction for mounting", segment "Pinned fitting").

c) Lube nipple, thread M6 – 8 deep:
Connection is possible on all sides (at front and top for size 25). Dimensions differ among different connectors See "Accessories" for more information about lube ports.

d) For roller guide rails of accuracy class H, this base area may be without a groove for manufacturing reasons.

e) Sealing plugs may be present at this position for manufacturing reasons.
Remove before mounting.

Dimensions (mm)

Size	A	A_1	A_2	A_3	A_4 [2)]	B	B_1	E_1	E_2	E_8	$E_{8.1}$	$E_{8.2}$	E_9	$E_{9.1}$	$E_{9.2}$
25	48	24	23	12.5	–	97.00	63.5	35	35	33.4	–	40.2	8.30	–	21.40
35	70	35	34	18.0	47.0	118.00	79.6	50	50	50.3	–	60.5	13.10	–	29.10
45	86	43	45	20.5	55.6	147.00	101.5	60	60	62.9	–	72.0	16.70	–	36.50
55	100	50	53	23.5	63.3	170.65	123.1	75	75	74.2	–	81.6	18.85	–	40.75
65	126	63	63	31.5	–	207.30	146.0	76	70	35.0	93.00	106.0	9.30	26.00	55.00

Size	H	H_1	H_2 [3)]	H_2 [4)]	H_3 [5)]	K_1	K_2	N_3	N_5	$N_6^{\pm 0.5}$	S_2	S_5	S_9 [6)]	T [7)]	V_1
25	36	30	23.60	23.40	–	19.05	–	8	5.5	14.3	M6	7	M3-6,5 deep	30.0	7.5
35	48	41	31.10	30.80	43	21.55	23.40	12	7.0	19.4	M8	9	M3-6,0 deep	40.0	8.0
45	60	51	39.10	38.80	53	27.45	30.35	18	8.0	22.4	M10	14	M4-9,0 deep	52.5	10.0
55	70	58	47.85	47.55	60	31.75	34.90	17	9.0	28.7	M12	16	M5-8.0 deep	60.0	12.0
65	90	76	58.15	57.85	–	50.00	53.00	21	9.3	36.5	M16	18	M4-8.0 deep	75.0	15.0

1) Dimension A_4 = Width of the additional longitudinal seal
2) Dimension H_2 with cover strip
3) Dimension H_2 without cover strip
4) Dimension H_3 = Total roller runner block including the additional longitudinal seal
5) Thread for connecting parts
6) T = Rail separation of the roller guide rail