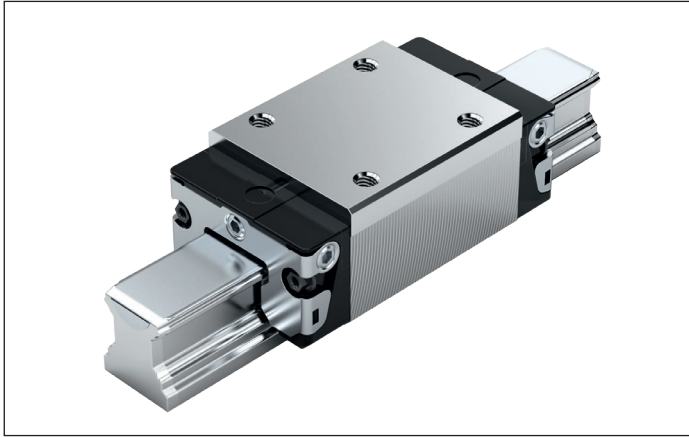


SNH – Slimline, normal, high R1621 ... 2.

**Dynamic characteristics**

Travel speed: $v_{\max} = 5 \text{ m/s}$
 Acceleration: $a_{\max} = 500 \text{ m/s}^2$
 (If $F_{\text{comb}} > 2.8 \cdot F_{\text{pr}}$: $a_{\max} = 50 \text{ m/s}^2$)

Note on lubrication

► Pre-lubricated

Note

Can be used on all SNS/SNO ball guide rails. Ball runner blocks of size 55 can be found in chapter "Heavy-duty ball runner block BSHP made of steel" after this chapter.

Options and material numbers

Size	Ball runner blocks with size	Preload class				Accuracy class				Seals on ball runner blocks					
		C0	C1	C2	C3	N	H	P	XP	without ball chain			with ball chain		
										SS	LS ¹⁾	DS	SS	LS ¹⁾	DS
15	R1621 1	9				4	3	–	–	20	21	–	22	23	–
			1			4	3	2	8	20	21	2Z	22	23	2Y
				2		–	3	2	8	20	21	2Z	22	23	2Y
					3	–	–	–	8	20	21	2Z	22	23	2Y
25	R1621 2	9				4	3	–	–	20	21	–	22	23	–
			1			4	3	2	8	20	21	2Z	22	23	2Y
				2		–	3	2	8	20	21	2Z	22	23	2Y
					3	–	–	–	8	20	21	2Z	22	23	2Y
30	R1621 7	9				4	3	–	–	20	21	–	22	23	–
			1			4	3	2	8	20	21	2Z	22	23	2Y
				2		–	3	2	8	20	21	2Z	22	23	2Y
					3	–	–	–	8	20	21	2Z	22	23	2Y
35	R1621 3	9				4	3	–	–	20	21	–	22	23	–
			1			4	3	2	8	20	21	2Z	22	23	2Y
				2		–	3	2	8	20	21	2Z	22	23	2Y
					3	–	–	–	8	20	21	2Z	22	23	2Y
45	R1621 4	9				4	3	–	–	20	–	–	22	–	–
			1			4	3	2	8	20	–	2Z	22	–	2Y
				2		–	3	2	8	20	–	2Z	22	–	2Y
					3	–	–	–	8	20	–	2Z	22	–	2Y
E.g.:	R1621 7		1				3			20					

1) Only for accuracy classes N and H and for XP in preload class C1.

Ordering example

Options:

- Ball runner block SNH
- Size 30
- Preload class C1
- Accuracy class H
- With standard seal, without ball chain

Material number:

R1621 713 20

Preload classes

C0 = Without preload (clearance)
 C1 = Moderate preload
 C2 = Average preload
 C3 = High preload

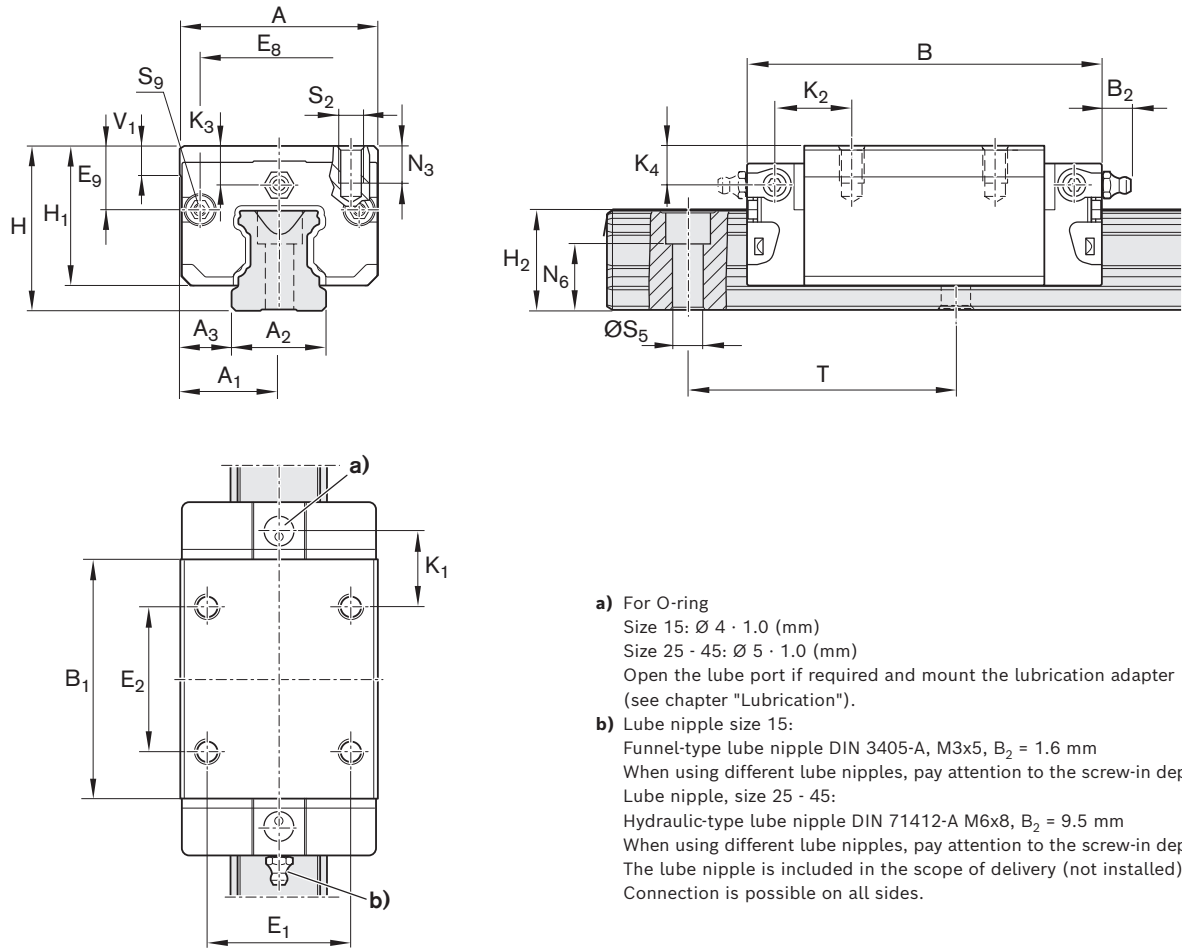
Seals

SS = Standard seal
 LS = Low-friction seal
 DS = Double-lip seal

Key

Gray numbers

= No preferred variants/combinations (partially longer delivery times)



Size	Dimensions (mm)																		
	A	A ₁	A ₂	A ₃	B ^{+0.5}	B ₁	E ₁	E ₂	E ₈	E ₉	H	H ₁	H ₂ ¹⁾	H ₂ ²⁾	K ₁	K ₂	K ₃	K ₄	
15	34	17	15	9.5	58.2	39.2	26	26	24.55	10.70	28	23.90	16.30	16.20	10.00	11.60	7.20	7.20	
25	48	24	23	12.5	86.2	57.8	35	35	38.30	15.50	40	33.90	24.45	24.25	17.45	18.60	9.50	9.50	
30	60	30	28	16.0	97.7	67.4	40	40	48.40	17.60	45	38.35	28.55	28.35	20.00	21.70	9.05	9.05	
35	70	35	34	18.0	110.5	77.0	50	50	58.00	24.35	55	47.40	32.15	31.85	20.50	22.00	13.90	13.90	
45	86	43	45	20.5	137.6	97.0	60	60	69.80	30.90	70	60.30	40.15	39.85	27.30	29.30	18.20	18.20	

Size	Dimensions (mm)							Mass (kg)	Load capacities ³⁾ (N)		Load moments ³⁾ (Nm)			
	N ₃	N ₆ ^{±0.5}	S ₂	S ₅	S ₉	T	V ₁		m	C	C ₀	M _t	M _{t0}	M _L
15	6.0	10.3	M4	4.5	M2.5x3.5	60	5.0	0.20	9 860	12 700	95	120	68	87
25	9.0	15.2	M6	7.0	M3x5	60	7.5	0.60	28 600	35 900	410	510	290	360
30	12.0	17.0	M8	9.0	M3x5	80	7.0	0.95	36 500	48 100	630	830	440	580
35	13.0	20.5	M8	9.0	M3x5	80	8.0	1.55	51 800	80 900	1 110	1 740	720	1 130
45	18.0	23.5	M10	14.0	M4x7	105	10.0	3.00	86 400	132 000	2 330	3 560	1 540	2 350

1) Dimension H₂ with cover strip

2) Dimension H₂ without cover strip

3) Load capacities and load moments for ball runner block **without** ball chain. Load capacities and load moments for ball runner block **with** ball chain 12 Determination of the dynamic load capacities and load moments is based on a travel of 100,000 m according to DIN ISO 14728-1. Often only 50,000 m are actually stipulated. For comparison: Multiply the values **C**, **M_t** and **M_L** by 1.26 according to the table.