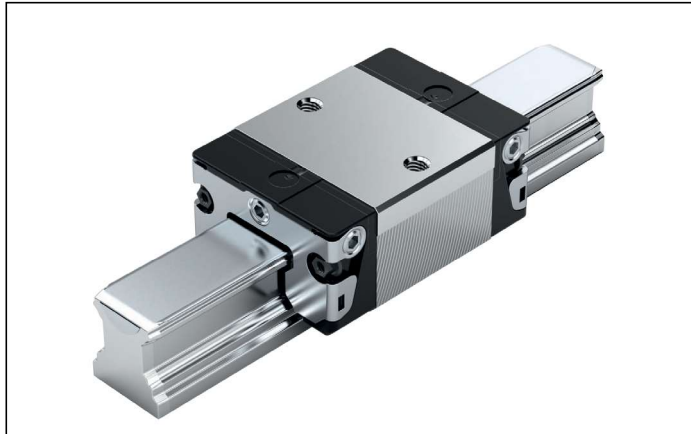


SKS – slimline short standard height



R1662 ... 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 ball guide rails SNS.

Options and part numbers

Size	Ball runner block with size	Preload class		Accuracy class			Seal with ball runner blocks	
		C0	C1	N	H	without ball chain	SS	LS
15	R1662 1	9	1	4	3		20	21
20	R1662 8	9	1	4	3		20	21
25	R1662 2	9	1	4	3		20	21
30	R1662 7	9	1	4	3		20	21
35	R1662 3	9	1	4	3		20	21
e.g.	R1662 7		1		3		20	

Order example

Options:

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

Part number:

R1662 713 20

Preload classes

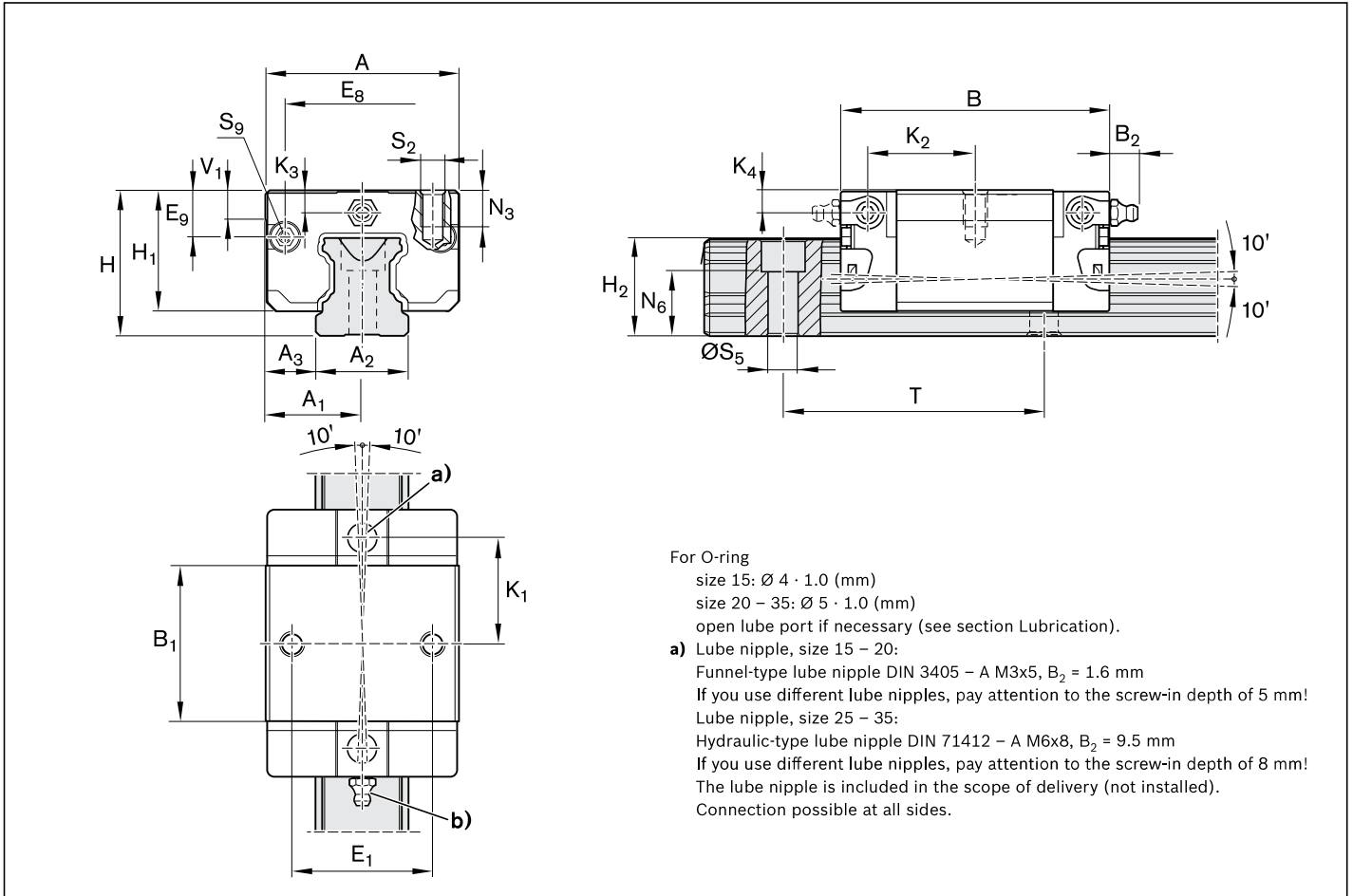
C0 = Without preload (clearance)
C1 = Moderate preload

Seals

SS = standard seal
LS = low-friction seal

Key

Gray digits
= No preferred variant/
combination
(Some delivery times may
be longer)



For O-ring
 size 15: Ø 4 · 1.0 (mm)
 size 20 – 35: Ø 5 · 1.0 (mm)
 open lube port if necessary (see section Lubrication).
a) Lube nipple, size 15 – 20:
 Funnel-type lube nipple DIN 3405 – A M3x5, B₂ = 1.6 mm
 If you use different lube nipples, pay attention to the screw-in depth of 5 mm!
 Lube nipple, size 25 – 35:
 Hydraulic-type lube nipple DIN 71412 – A M6x8, B₂ = 9.5 mm
 If you use different lube nipples, pay attention to the screw-in depth of 8 mm!
 The lube nipple is included in the scope of delivery (not installed).
 Connection possible at all sides.

Size	Dimensions (mm)																
	A	A ₁	A ₂	A ₃	B ^{+0.5}	B ₁	E ₁	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	44.7	25.7	26	24.55	6.70	24	19.90	16.30	16.20	16.25	17.85	3.20	3.20
20	44	22	20	12.0	57.3	31.9	32	32.50	7.30	30	25.35	20.75	20.55	22.95	22.95	3.35	3.35
25	48	24	23	12.5	67.0	38.6	35	38.30	11.50	36	29.90	24.45	24.25	25.35	26.50	5.50	5.50
30	60	30	28	16.0	75.3	45.0	40	48.40	14.60	42	35.35	28.55	28.35	28.80	30.50	6.05	6.05
35	70	35	34	18.0	84.9	51.4	50	58.00	17.35	48	40.40	32.15	31.85	32.70	34.20	6.90	6.90

Size	Dimensions (mm)									Weight (kg)	Load capacities ³⁾ (N)	Permissible load (N)	Load moments ³⁾ (Nm)	
	N ₃	N ₆ ^{±0.5}	S ₂	S ₅	S ₉	T	V ₁	C	F _{max}				M _t	M _{t,max}
15	6.0	10.3	M4	4.5	M2.5x3.5	60	5.0	0.10	3900	1500	39	15		
20	7.5	13.2	M5	6.0	M3x5	60	6.0	0.25	10 100	3900	130	50		
25	9.0	15.2	M6	7.0	M3x5	60	7.5	0.35	11 400	4400	170	65		
30	12.0	17.0	M8	9.0	M3x5	80	7.0	0.60	15 800	6100	270	105		
35	13.0	20.5	M8	9.0	M3x5	80	8.0	0.90	21 100	8100	450	175		

- 1) Dimension H₂ with cover strip
- 2) Dimension H₂ without cover strip
- 3) Load capacities and load moments for ball runner blocks **without** ball chain.
 Determination of the dynamic load capacities and load moments is based on a 100,000 m travel life according to DIN ISO14728-1. Often only 50,000 m are actually stipulated. For comparison: Multiply values **C** and **M_t** by 1.26 according to the table.