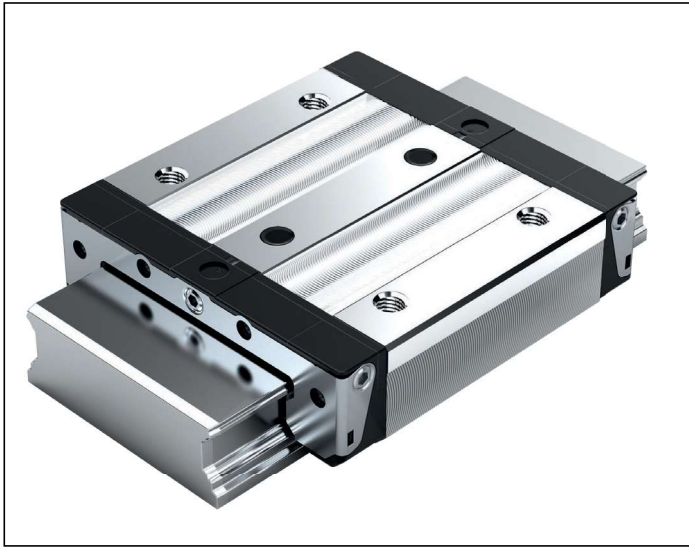


CNS – Compact, normal, standard height



Steel ball runner blocks R1672 ... 2.

Dynamic characteristics

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

Further ball runner blocks CNS

- ▶ See below for corrosion-resistant ball runner blocks

Order example

Options:

- ▶ CNS ball runner block
- ▶ Size 25/70
- ▶ Preload class C1
- ▶ Accuracy class H
- ▶ With standard seal, without ball chain

Part number:

R1672 213 20

Options and part numbers

Size	Ball runner block with size	Preload class		Accuracy class			Seal with ball runner blocks			
		C0	C1	N	H	P	without ball chain		with ball chain	
							SS	DS	SS	DS
20/40 ¹⁾	R1672 5	9		4	3	–	20	–	22	–
			1	4	3	–	20	2Z	22	2Y
25/70	R1672 2	9		4	3	–	20	–	22	–
			1	4	3	–	20	2Z	22	2Y
e.g.	R1672 2		1		3		20			

Resist CR ball runner block²⁾

R1672 ... 7.

Order example

Options:

- ▶ CNS ball runner block
- ▶ Size 25/70
- ▶ Preload class C0
- ▶ Accuracy class H
- ▶ With standard seal, without ball chain

Part number:

R1672 293 70

Options and part numbers

Size	Ball runner block with size	Preload class	Accuracy class	Seal with ball runner blocks			
				without ball chain		with ball chain	
				SS	DS	SS	DS
20/40 ¹⁾	R1672 5	C0	H				
				SS	DS	SS	DS
20/40 ¹⁾	R1672 5	9	3	70	7Z	72	7Y
25/70	R1672 2	9	3	70	7Z	72	7Y
e.g.	R1672 2	9	3	70			

1) Note: Ball runner block cannot be combined with ball guide rail R167 8.. ..

Preload classes

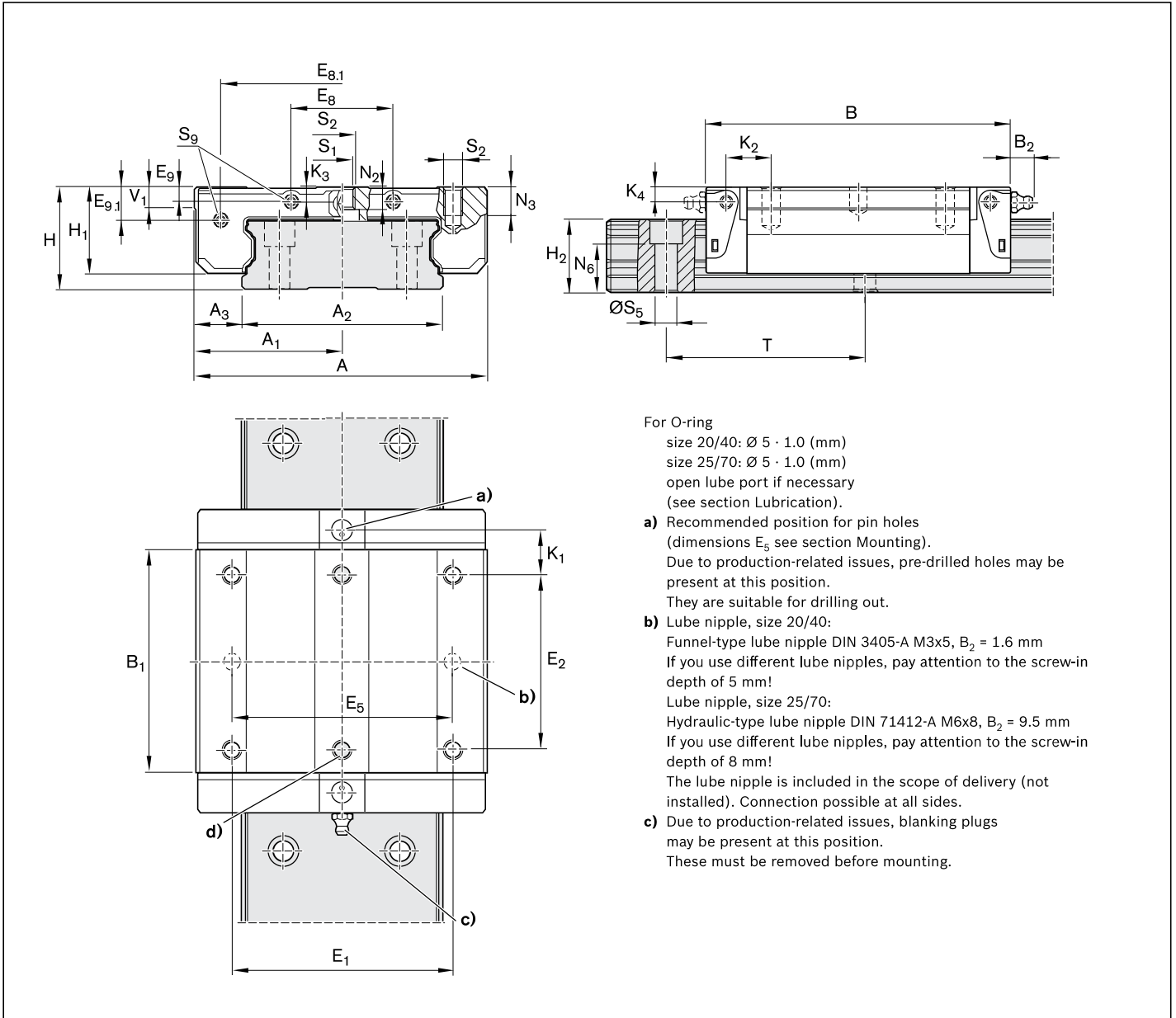
C0 = Without preload (clearance)
C1 = Moderate preload

Seals

SS = standard seal
DS = double-lipped seal

Key

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



Size	Dimensions (mm)																		
	A	A ₁	A ₂	A ₃	B	B ₁	E ₁	E ₂	E ₈	E _{8.1}	E ₉	E _{9.1}	H	H ₁	H ₂	K ₁	K ₂	K ₃	K ₄
20/40	62	31	42	10.0	73.0	51.3	46	32	18	53.4	3.4	8.1	27	22.50	18.30	14.6	15.00	3.5	3.5
25/70	100	50	69	15.5	104.7	76.5	76	50	35	83.5	4.9	11.3	35	29.75	23.55	19.4	20.45	5.2	5.2

Size	Dimensions (mm)										Weight (kg)	Load capacities ¹⁾ (N)		Load moments ¹⁾ (Nm)			
	N ₂	N ₃	N ₆ ^{±0.5}	S ₁	S ₂	S ₅	S ₉	T	V ₁	C		C ₀	M _t	M _{t0}	M _L	M _{L0}	
20/40	3.70	6	12.5	5.3	M6	4.4	M2.5x1.5 ⁺³	60	6.0	0.3	14 900	20 600	340	470	140	190	
25/70	7.05	8	14.4	6.7	M8	7.0	M3x2 ^{+4.5}	80	7.5	1.0	36 200	50 200	1 350	1 870	490	680	

1) Load capacities and load moments for ball runner blocks **without** ball chain. Load capacities and load moments for ball runner blocks **with** ball chain 14

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**, **M_t** and **M_L** by 1.26 according to the table.