BNS - Wide, normal, standard height



Steel ball runner blocks R1671 ... 2.

Dynamic characteristics

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

Note on lubrication:

▶ Pre-lubricated

Further ball runner blocks BNS

See below for corrosion-resistant ball runner blocks

Order example

Options:

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

Part number:

R1671 213 20

Options and part numbers

Size	Ball runner block with size	Preload	class	Accurac	y class		Seal wit		nner blocks				
	3126						chain	Dall	ss DS 22 - 22 2Y				
		CO	C1	N	Н	P	SS	DS	SS	DS			
20/401)	R1671 5	9		4	3	_	20	_	22	_			
			1	4	3	2	20	2Z	22	2Y			
25/70	R1671 2	9		4	3	_	20	_	22	_			
			1	4	3	2	20	2Z	22	2Y			
e.g.	R1671 2		1		3		20						

Resist CR ball runner block R1671 ... 7.

Note on lubrication:

Pre-lubricated

Order example

Options:

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

Part number:

R1671 293 70

Options and part numbers

Size	Ball runner block with size	Preload class	Accuracy class		Seal with ball runner blocks without ball with ball chain chain						
		C0		н	SS	DS	SS	DS			
20/401)	R1671 5	9		3	70	7Z	72	7Y			
25/70	R1671 2	9		3	70	7Z	72	7Y			
e.g.	R1671 2	9		3	70						

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

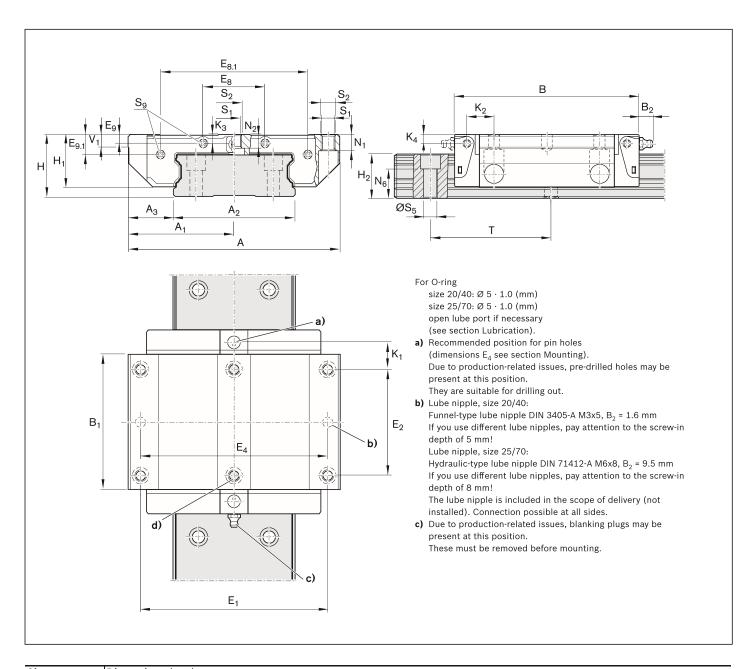
Preload classes

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	Dimens	Dimensions (mm)																	
	Α	A_1	A_2	A_3	В	B_1	E_1	E_2	E ₈	E _{8.1}	E ₉	E _{9.1}	Н	H ₁	H ₂	K_1	K_2	K_3	K_4
20/40	80	40	42	19.0	73	51.3	70	40	18	53.4	3.4	8.1	27	22.50	18.30	10.6	11.0	3.5	3.5
25/70	120	60	69	25.5	105	76.5	107	60	35	83.5	4.9	11.3	35	29.75	23.55	15.4	15.5	5.2	5.2

Size	Dime	nsions	s (mm)							Weight	t Load capacities ¹⁾ (N) Load moments ¹⁾ (Nm)						
										(kg)	1	t					
											→ [_						
	N ₁	N_2	$N_6^{\pm0.5}$	S_1	S_2	S_5	S ₉	Т	V ₁		С	Co	M _t	M_{t0}	M _L	M _{LO}	
20/40	7.70	3.70	12.5	5.3	M6	4.4	M2.5x1.5 ⁺³	60	6.0	0.4	14 900	20 600	340	470	140	190	
25/70	9.35	7.05	14.4	6.7	M8	7.0	M3x2 ^{+4.5}	80	7.5	1.2	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

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, and M by 1.26 according to the table.

BNS - Wide, normal, standard height



Steel ball runner blocks R1671 ... 1.

Dynamic characteristics

Speed: $v_{max} = 3 \text{ m/s}$ Acceleration: $a_{max} = 250 \text{ m/s}^2$ (If $F_{comb} > 2.8 \cdot F_{pr} : a_{max} = 50 \text{ m/s}^2$)

Note on lubrication:

► Not pre-lubricated

Further ball runner blocks BNS

▶ See below for corrosion-resistant ball runner blocks

Order example

Options:

- ► BNS ball runner block
- Size 35/90
- Preload class C1
- Accuracy class H
- With standard seal, without ball chain

Part number:

R1671 313 10

Options and part numbers

Size	Ball runner block with size	Preload	class	Accurac	y class		Seal with ball runner blocks with- out ball chain			
		C0	C1	N	н	Р	SS			
35/90	R1671 3	9		4	3	_	10			
			1	4	3	2	10			
e.g.	R1671 3		1		3		10			

Resist CR ball runner block R1671 ... 6.

Order example

Options:

- ▶ BNS ball runner block
- ▶ Size 35/90
- Preload class C1
- Accuracy class H
- With standard seal, without ball chain

Part number:

R1671 313 60

Options and part numbers

Size	Ball runner block with size	Preload	class	Accuracy class	Seal with ball runner blocks without ball chain				
		CO	C1	н	SS				
35/90	R1671 3	9	1	3	60				
e.g.	R1671 3		1	3	60				

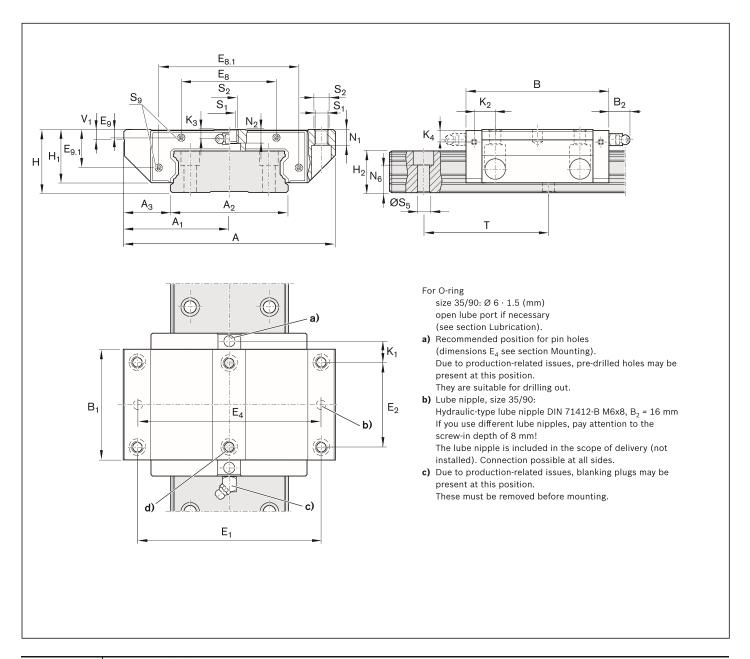
Preload classes

C0 = Without preload (clearance)

C1 = Moderate preload

Seals

SS = standard seal



Size	Dimension	ons (mm	1)														
	Α	A_1	$\mathbf{A_2}$	A_3	В	B_1	E ₁	E_2	E ₈	E _{8.1}	E ₉	E _{9.1}	Н	H ₁	H_2	K_1	K ₂
35/90	162	81	90	36	142	113.6	144	80	79	116	6.8	29.9	50	42.5	31.85	22.8	24.8

Size	Dimensions (mm)											Weight (kg)		pacities ¹⁾	Load moments ¹⁾ (Nm)			
								, 0,	→ [2	<u>†</u> ←		7						
	K ₃	K_4	N_1	N_2	$N_6^{\pm0.5}$	S_1	S_2	S_5	S ₉	Т	V_1		C	C _o	M _t	M_{t0}	M_L	M_{LO}
35/90	9	9	14	12	20.5	8.4	M10	9	M3x5	80	8.0	3.70	70 700	126 000	3 500	6 240	1 470	2 620

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, M_t and M_L by 1.26 according to the table.