BNS - wide, normal, standard height



Ball runner block made of steel

R1671 ... 2.

Dynamic characteristics

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

Note on lubrication:

Pre-lubricated

Further ball runner blocks BNS

► Corrosion resistant ball runner blocks see below

Order example

Options:

- Ball runner blocks BNS
- ▶ Sizes 25/70
- ▶ Preload class C1
- ► Accuracy class H
- With standard seal, without ball chain

Material number:

R1671 213 20

Options and material numbers

- 10	•														
Size	Ball runner blocks with size	Preload	class	Accurac	y class		without		ner blocks						
							chain		CC DC						
		C0	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								

Ball runner block, Resist CR R1671 ... 7.

Note on lubrication:

▶ Pre-lubricated

Order example

Options:

- ▶ Ball runner blocks BNS
- ▶ Sizes 25/70
- ▶ Preload class C0
- Accuracy class H
- With standard seal, without ball chain

Material number: R1671 293 70

Options and material numbers

Size	Ball runner blocks with size	Preload class	Accuracy class		Seals on 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) Caution: Ball runner blocks, not combinable with ball guide rail R167.8...!

Preload classes

C0 = Without preload (clearance) C1 = Moderate preload

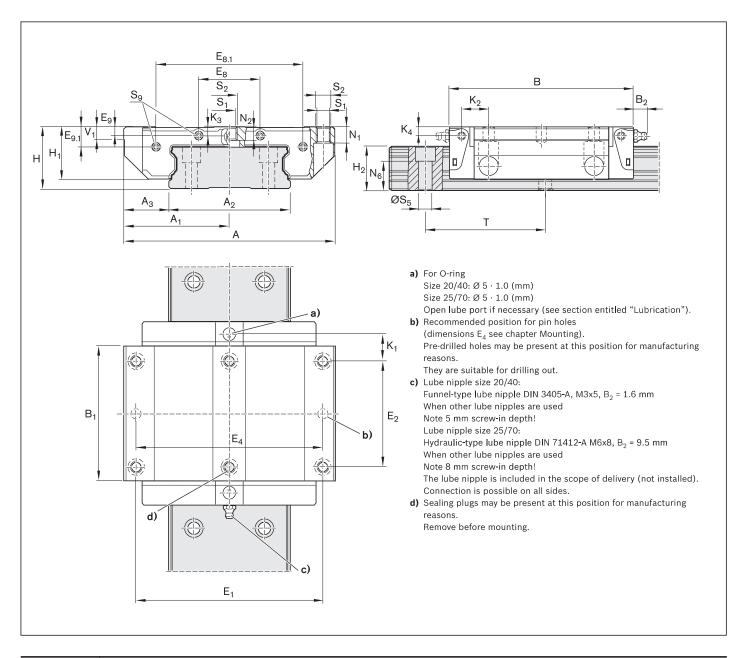
Seals

SS = Standard seal DS = Double-lip seal

Key

gray numbers

 No preferred variant / combination
 (partially longer delivery times)



Size	Dimens	sions (mm)																
	Α	$\mathbf{A_1}$	$\mathbf{A_2}$	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	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	Dimer	nsions	(mm)							Mass	Load capa	icities ¹⁾	oments ¹⁾ (Nm)			
										(kg)	(N)				_	_
											<u> </u>	<u>†</u>				
											→ L	→				4 1
	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	14900	20600	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	36200	50200	1 350	1870	490	680

1) Load ratings and load moments for ball runner block without ball chain. Load ratings and load moments for ball runner block with ball chain 🔊 🗎 14

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. Often only 50,000 m are actually stipulated. For comparison: Multiply the values \mathbf{C} , \mathbf{M} , and \mathbf{M} , by 1.26 according to the table.

BNS - wide, normal, standard height



Ball runner block made of steel R1671 ... 1.

Dynamic characteristics

Travel 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:

▶ No initial lubrication

Further ball runner blocks BNS

Corrosion-resistant ball runner blocks see below

Order example

Options:

- Ball runner blocks BNS
- ➤ Sizes 35/90
- ▶ Preload class C1
- ► Accuracy class H
- With standard seal, without ball chain

Material number:

R1671 313 10

Options and material numbers

Size	Ball runner blocks with size	Preloa	d class		Accurac	y class		Seals on ball runner blocks without ball chain
		C0	C1	C2	N	Н	P	SS
35/90	R1671 3	9			4	3	_	10
			1		4	3	2	10
				2		3	2	10
E.g.:	R1671 3		1			3		10

Ball runner block, Resist CR R1671 ... 6.

Order example

Options:

- ▶ Ball runner blocks BNS
- ▶ Sizes 35/90
- ▶ Preload class C1
- Accuracy class H
- With standard seal, without ball chain

Material number: R1671 313 60

Options and material numbers

Size	Ball runner blocks with size	Preload	class	Accuracy class	Seals on ball runner blocks without ball chain SS
		CO	C1	н	
35/90	R1671 3	9	1	3	60
E.g.:	R1671 3		1	3	60

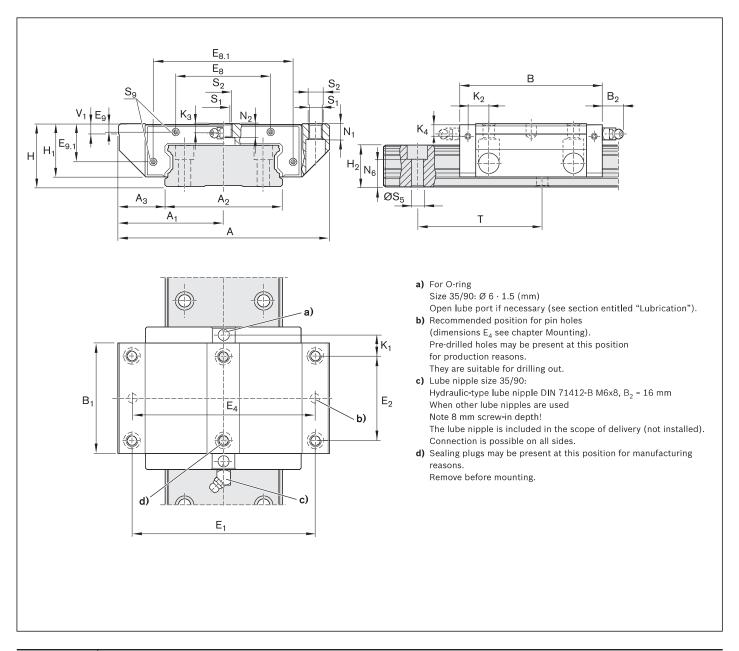
Preload classes

C0 = Without preload (clearance)

C1 = Moderate preload

Seals

SS = Standard seal



Size	Dimensions (mm)																
	A	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
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	Dimen	sions	(mm	1)								Mass Load capacities ¹⁾ Load moments ¹⁾ (Nm)								
												(kg)	(N)							
													1	<u>†</u>						
												<u>→</u> L∑	→		لي		d p			
	K ₃	K_4	N_1	N_2	N ₆ ±0.5	S ₁	S_2	S ₅	S ₉	т	V ₁		С	Co	M _t	M _{to}	ML	M _{LO}		
35/90	9	9	14	12	20.5	8.4	M10	9	М3х5	80	8.0	3.70	70700	126000	3500	6240	1470	2620		

Load ratings and load moments for ball runner block without ball chain.
 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.
 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.