

STAR – Miniature Ball Rail® Systems

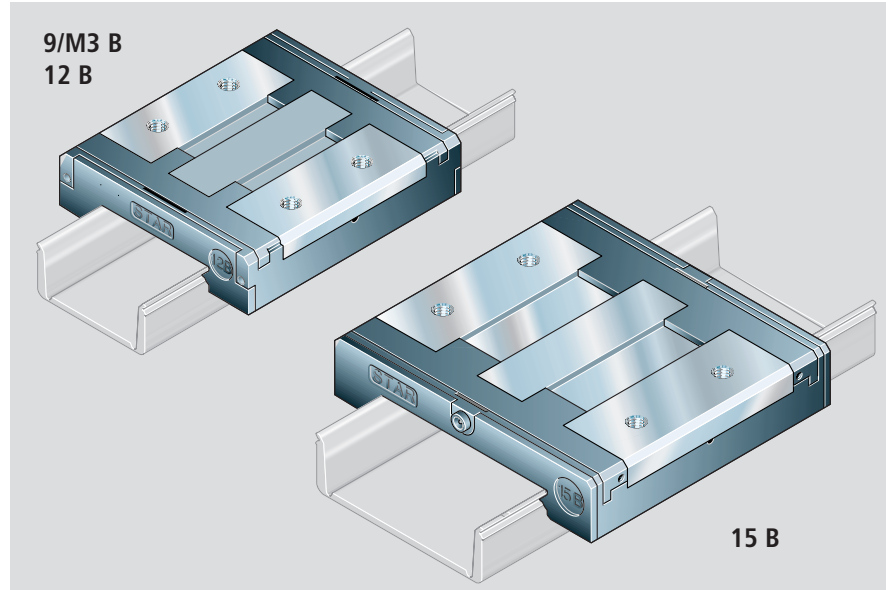
Wide Runner Blocks

Miniature runner blocks 0443-

wide

All steel parts are made of corrosion and acid resistant material similar to DIN 17230 / EN 10088.

Runner blocks are supplied on mandrels



Part numbers for runner blocks

Standard seals: low-friction seals.
Part numbers: 0443-...-01 (see table)

Special versions:

Runner blocks are also available:

- with N seals
(excellent wiping action) and additional longitudinal seals for full sealing.
Part numbers: 0443-...-00
(otherwise as per table)
- without basic lubrication for individual lubrication.
 - with N seals and longitudinal seals
Part numbers: 0443-...-40
(otherwise as per table)
 - with low-friction seals
Part numbers: 0443-...-41
(otherwise as per table)

Take frictional drag of the respective seals into account.

See chapter "Technical Data", section "Friction and seals".

Note on dynamic load capacities and moments (see table)

The dynamic load capacities and moments are based on 100,000 m travel. However, a travel of just 50,000 m is often taken as a basis.

If this is the case, for comparison purposes:

Multiply values C , M_t and M_L from the STAR table by 1.26.

Size	Accuracy class	Part numbers for runner blocks	
		Clearance 9	Preload 1
9/M3 B ¹⁾	P	–	0443-812-01
	H	0443-893-01	0443-813-01
	N	0443-894-01	–
12 B ¹⁾	P	–	0443-212-01
	H	0443-293-01	0443-213-01
	N	0443-294-01	–
15 B ¹⁾	P	–	0443-512-01
	H	0443-593-01	0443-513-01
	N	0443-594-01	–

¹⁾ In preparation

Ordering example 1:

Runner block size 12 B, accuracy class P, preloaded, standard seals

Ordering data: 0443-212-01

Ordering example 2:

Runner block size 12 B, accuracy class H, clearance, N seals

Ordering data: 0443-293-00

Ordering example 3:

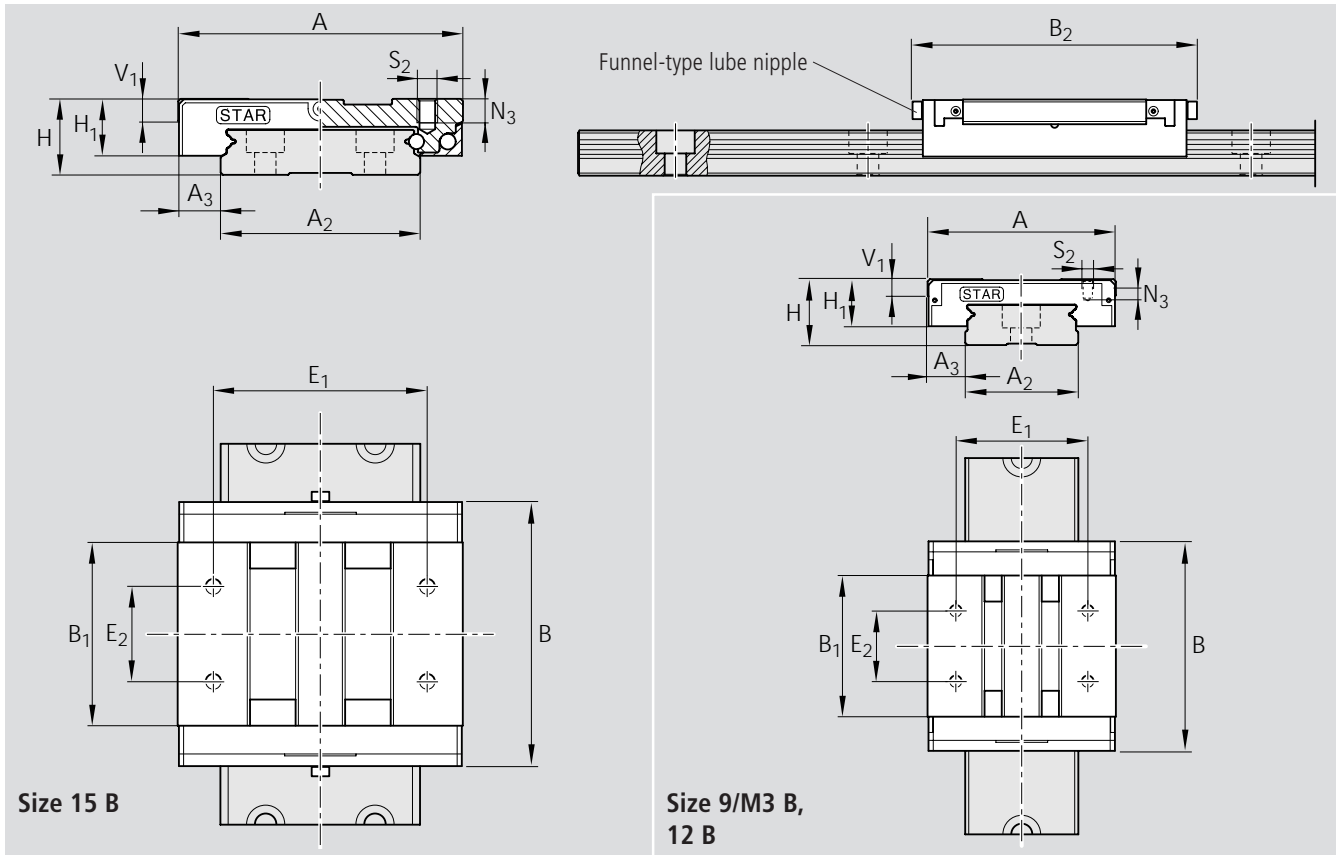
Runner block size 15 B, accuracy class H, preloaded, N seals and longitudinal seals, no basic lubrication

Ordering data: 0443-513-40

Ordering example 4:

Runner block size 9/M3 B, accuracy class N, clearance, standard seals, no basic lubrication

Ordering data: 0443-894-41



Size	Dimensions (mm)												
	A	A ₂	A ₃	B	B ₁	B ₂	H	H ₁	V ₁	E ₁	E ₂	N ₃	S ₂
9/M3 B	30	18	6.0	39.0	26.0	–	12	9.0	2.8	21	12	3.2	M3
12 B	40	24	8.0	44.5	30.0	–	14	10.0	3.3	28	15	4.0	M3
15 B	60	42	9.0	55.5	38.6	58.5	16	12.0	4.7	45	20	4.5	M4

Size	Weight Runner blocks (g)	Load capacities (N)		Moments (Nm)			
		C ¹⁾ dyn.	C ₀ ¹⁾ stat.	M _t ²⁾ dyn.	M _{t0} ²⁾ stat.	M _L ²⁾ dyn.	M _{L0} ²⁾ stat.
9/M3 B	26	1920	3330	15.9	27.6	7.4	12.9
12 B	51	3200	5340	37.9	63.2	14.3	23.9
15 B	110	5285	8610	107.0	174.0	30.0	49.0

1) Calculated values conforming to DIN 636 Part 2

2) Calculated values (based on C, C₀)