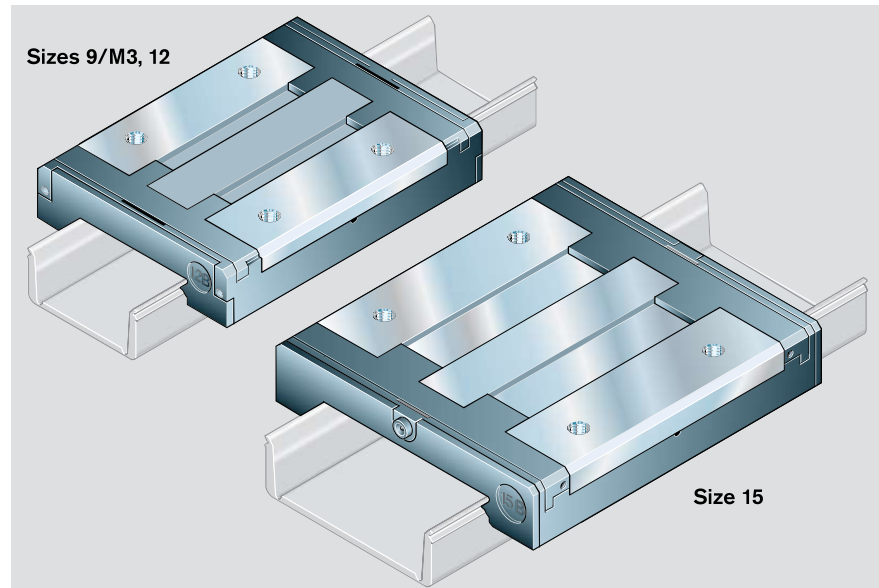# Wide, Long Runner Blocks R0441

All steel parts of the runner block are made of rust and acid resistant material similar to ISO 683-17 / EN 10088. The runner blocks are delivered mounted on arbors.

Sizes 9/M3, 12

Size 15

Part numbers for runner blocks
Standard seals: low-friction seals.
Part number: R0441 ... **01** (see table)
Special versions:
Runner blocks are also available:
– with N seals (excellent wiping action) and longitudinal seals for full sealing.
Part number: R0441 ... **00**
(otherwise as per table)
– without basic lubrication for individual lubrication.
– with N seals and longitudinal seals
Part number: R0441 ... **40**
(otherwise as per table)
– with low-friction seals
Part number: R0441 ... **41**
(otherwise as per table)

| Size | Accuracy class | Part numbers for runner blocks | |
| | | Clearance | Preload |
		9	1
9/M3	P	–	R0441 812 01
	H	R0441 893 01	R0441 813 01
	N	R0441 894 01	–
12	P	–	R0441 212 01
	H	R0441 293 01	R0441 213 01
	N	R0441 294 01	–
15	P	–	R0441 512 01
	H	R0441 593 01	R0441 513 01
	N	R0441 594 01	–

Take frictional drag of the respective seals into account.
See "Technical Data", section "Friction and seals".

Note on dynamic load capacities and moments (see table)
Determination of the dynamic load capacities and moments is based on a travel life of 100,000 m.
Often only 50,000 m are actually stipulated.
For comparison:
Multiply values C, M_t and M_L from the table by 1.26.

Ordering example 1:
Runner block size 12, accuracy class P, preloaded, standard seals
Ordering data: **R0441 212 01**

Ordering example 2:
Runner block size 12, accuracy class H, clearance, N seals
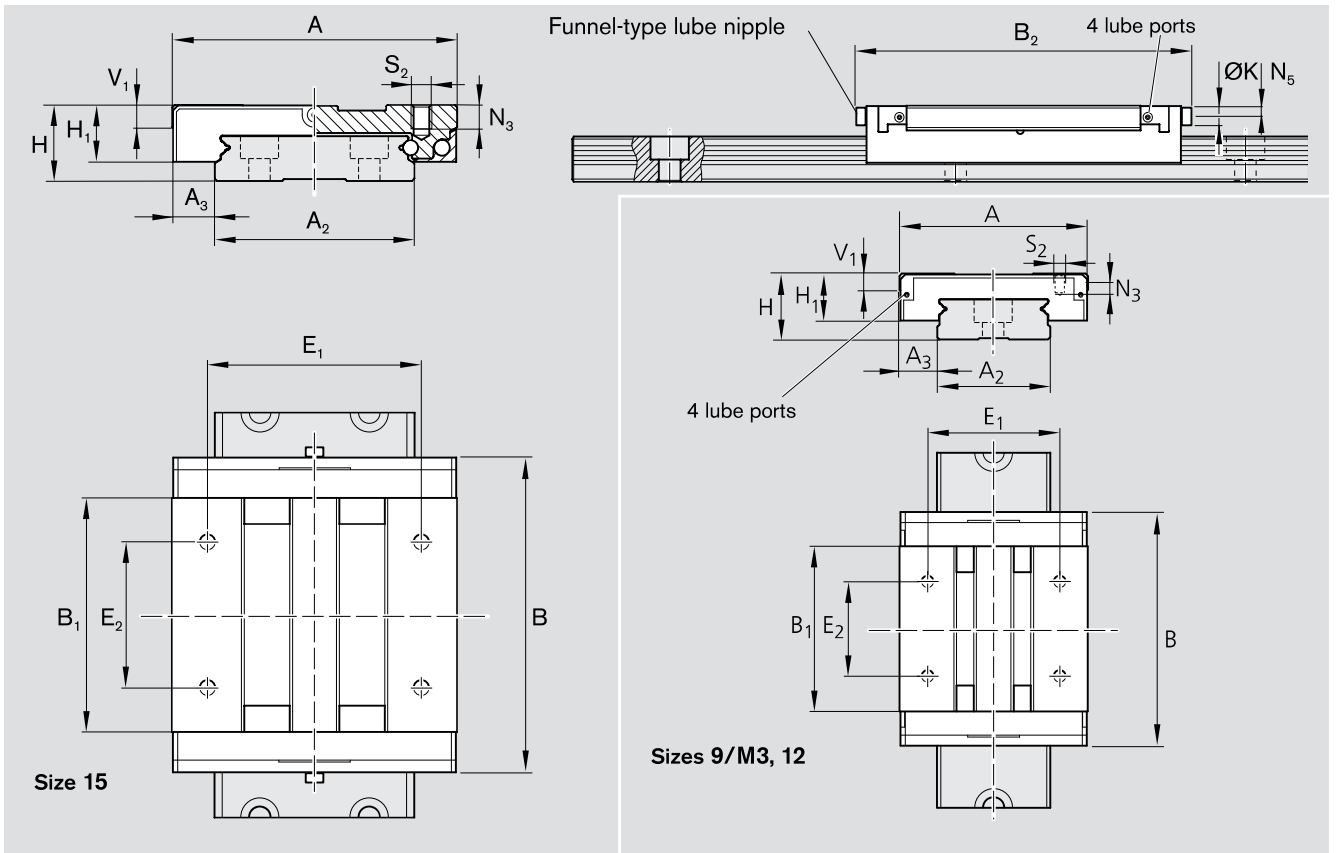Ordering data: **R0441 293 00**

Ordering example 3:
Runner block size 15, accuracy class H, preloaded, N seals and longitudinal seals, no basic lubrication
Ordering data: **R0441 513 40**

Ordering example 4:
Runner block size 9/M3, accuracy class N, clearance, standard seals, no basic lubrication
Ordering data: **R0441 894 41**

Size 15

Sizes 9/M3, 12

Size	Dimensions (mm)																
	A	A_2	A_3	B	B_1	B_2	H	H_1[1]	H_1[2]	V_1	E_1	E_2	K	N_3	N_5	S_2
9/M3	30	18	6.0	51.0	38.0	–	12	9.0	9.65	2.8	23	24	–	3.2	–	M3
12	40	24	8.0	59.5	45.0	–	14	10.0	10.65	3.3	28	28	–	4.0	–	M3
15	60	42	9.0	74.5	57.6	77.5	16	12.0	12.65	4.7	45	35	4	4.5	2.1	M4

1) Without longitudinal seal
2) With longitudinal seal

Size	Weight Runner block (g)	Load capacities (N)		Moments (Nm)			
		C[1]	C_0[1]	M_t[2]	M_{t0}[2]	M_L[2]	M_{LO}[2]
9/M3	41	2825	5590	23.5	46.4	15.8	31.2
12	76	4340	8250	51.4	97.7	28.7	54.6
15	170	7460	14085	151.0	285.2	66.1	125.0

1) Calculated values conforming to DIN 636, Part 2
2) Calculated values (based on C, C_0)