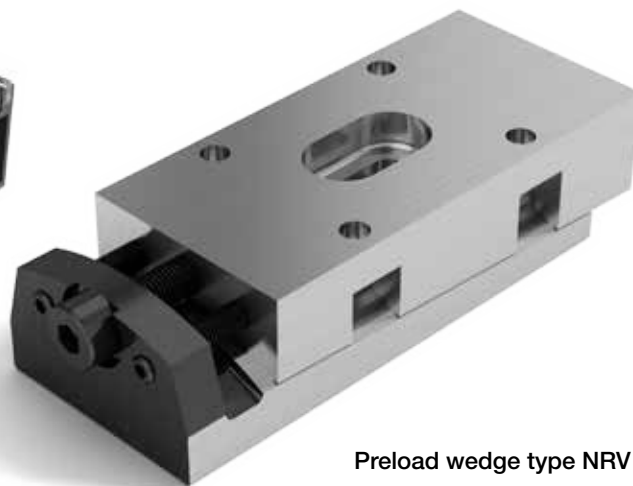


6 Recirculating unit

6.4 Type NRT (with NRV)



Recirculating unit type NRT



Preload wedge type NRV

This roller recirculating unit is designed for medium to heavy loads. Demanding solutions can be created together with the suitable linear guideways.

Advantages/benefits of the NRT

- Two independent tracks, the small amount of roller play and the optimal ratio of roller length and roller diameter are responsible for minimal lateral forces.
- The large number of rollers and the optimised roller run-ins are responsible for minimal travel pulsation and a low coefficient of rolling friction
- High degree of rigidity thanks to three-point support on the rear
- Protected roller return
- Double-lipped wipers on each side
- Can also be supplied matched as an option, sorted within 5µm

Advantages/benefits of the preload wedge NRV

This preload wedge is used for setting preload. The NRV with its concave and convex supporting surfaces is also able to even out minor angular errors and deformations in the connecting structure.

Benchmark data

Supporting structure

- Hardened and ground with high precision

Materials

- Supporting structure made of through hardened tool steel, hardness 58 - 62 HRC
- Rolling element made of through hardened roller bearing steel, hardness 58 - 64 HRC
- Transmission parts and wipers made of plastic

Speed

- 1 m/s

Acceleration

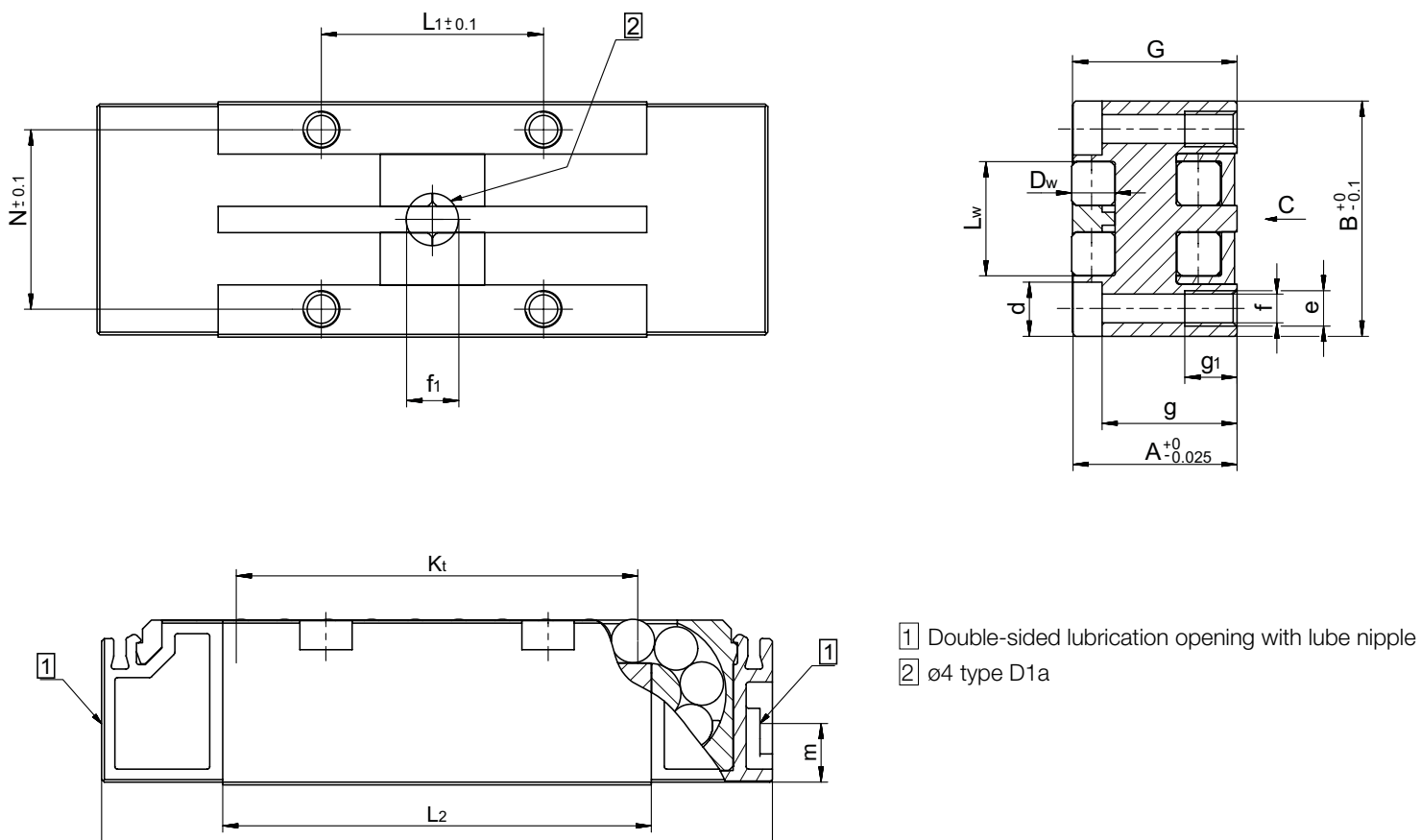
- 50 m/s²

Operating temperatures

- -40° C to +80° C

6 Recirculating unit

Dimensions and load capacities of type NRT

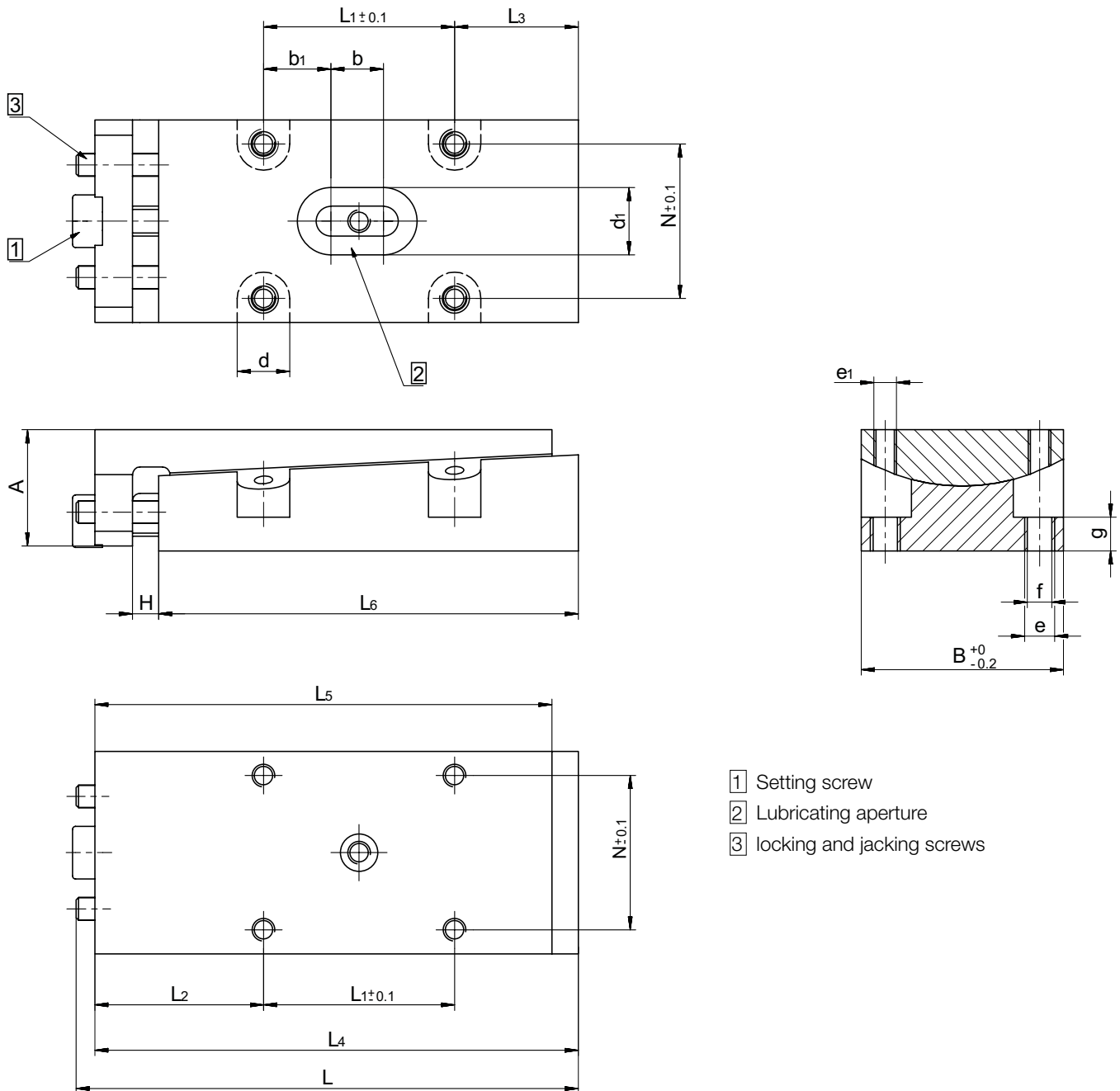


Recirculating unit type NRT

Type and size	Weight in g	A	B	Dw	G	K _t	L	L ₁	L ₂	L _w	N	d	e	f	f ₁	g	g ₁	m	C in N	Options (see chapter 8)
NRT 19077	185	19	27	5	18.85	45	77	25.5	49.2	13	20.6	6	M4	3.3	6	15.5	6	5.3	43'000	GP ZS
NRT 26111	570	26	40	7	25.85	70	111	44	75.6	19	30	8	M6	5	9	20	10	10.3	98'000	GP ZS
NRT 26132	721					91	132	68	96.6							20.6			120'000	GP ZS
NRT 38144	1'390	38	52	10	37.8	90	144	51	96.8	26	41	11	M8	6.8	11	29	14	14.5	181'000	GP ZS

6 Recirculating unit

Dimensions and load capacities of type NRV



Preload wedge NRV

Type and size	Weight in g	A	B	H max.	L max.	L_1	L_2	L_3	L_4 max.	L_5	L_6	N	b	b_1	d	d_1	e	e_1	f	g
NRT 19077	195	16	27	7	72	25.5	22.5	16.5	68	61	56	20.6	7	9	7	9	M4	M3	3.3	4.5
NRT 26111	670	25	40	8	105	44	29	21	98	90	83	30	9	17.5	8	11	M6	M4	5	8
NRT 26132	837				126	68	27.5	19.5	119	111	104			29.5						
NRT 38144	1'300	30	52	8	130	51	37.5	28.5	121	113	105	41	10	20.5	11	14	M8	M6	6.8	8