

eLINE and compact linear sets

**eLINE linear sets, R1029
Tandem
Closed, normal or stainless**

Design

- Two eLINE linear bushings
- Lightweight precision tandem housing (aluminum)
- Integrated wiper seals
- **Reduced radial clearance**
- Initial lubrication with Dynalub 510
- Also available in stainless steel under KBC-NR



**Compact linear sets, R1029
Tandem
Closed, normal or stainless**

Design

- Two compact linear bushings
- Lightweight precision tandem housing (aluminum)
- Integrated wiper seals
- **Normal radial clearance**
- Initial lubrication with Dynalub 510
- Also available in stainless steel under KBC-NR

Shaft Ø d (mm)	Material number with eLINE linear set		Weight (kg)
	Reduced radial clearance, prelubricated		
	Normal LSACT-...-DD-RT-G	Stainless LSACT-...-DD-RT-NR-G	
12	R1029 251 44	R1029 251 34	0.17
16	R1029 252 44	R1029 252 34	0.24
20	R1029 253 44	R1029 253 34	0.31
25	R1029 254 44	R1029 254 34	0.57
30	R1029 255 44	R1029 255 34	0.80
40	R1029 256 44	R1029 256 34	1.54

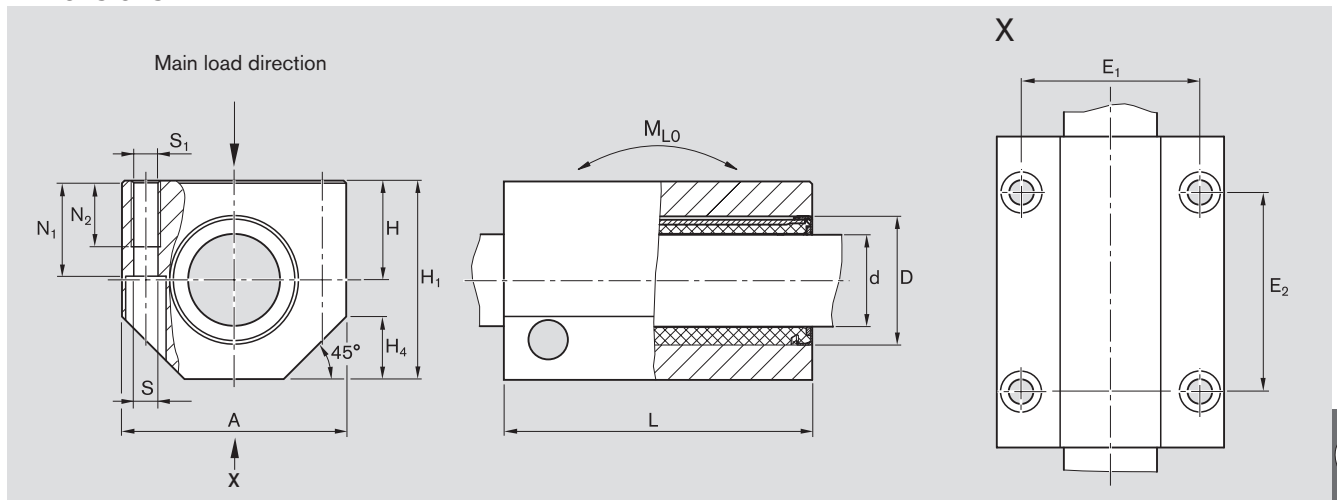
Shaft Ø d (mm)	Material number with compact linear set		Weight (kg)
	Prelubricated		
	Normal LSACT-...-DD-G	Stainless LSACT-... -DD-NR-G	
12	R1029 212 44	R1029 212 34	0.17
16	R1029 216 44	R1029 216 34	0.24
20	R1029 220 44	R1029 220 34	0.31
25	R1029 225 44	R1029 225 34	0.57
30	R1029 230 44	R1029 230 34	0.80
40	R1029 240 44	R1029 240 34	1.54
50	R1029 250 44	R1029 250 34	2.45

Explanation of sample short product name

LS	A	C	T	12	DD	RT	NR	G
Linear set	Aluminum	Compact	Tandem	Ø 12	With two seals	Reduced radial clearance	Stainless steel	Greased

See page 28 for more information on short product names.

Dimensions



Dimensions (mm)

Ø d	D	H	H ₁	A	L	E ₁ ±0.15	E ₂ ±0.15	S ¹⁾	S ₁	N ₁	N ₂	H ₄
12	19	17	33	40	60	29	35	4.3	M5	16	11	11
16	24	19	38	45	65	34	40	4.3	M5	18	11	13
20	28	23	45	53	65	40	45	5.3	M6	22	13	15
25	35	27	54	62	85	48	55	6.6	M8	26	18	17
30	40	30	60	67	105	53	70	6.6	M8	29	18	19
40	52	39	76	87	125	69	85	8.4	M10	38	22	24
50	62	47	92	103	145	82	100	10.5	M12	46	26	30

Ø d (mm)	Radial clearance (µm)		Tolerance for H ²⁾ (µm)	Load ratings ³⁾ (N)				Linear torque (Nm) stat. M _{Lo}
	Shaft R1029 eLINE h6	R1029 Compact h6		Normal		Stainless		
				dyn. C	stat. C ₀	dyn. C	stat. C ₀	
12	+8 -24	+32 0	+24 0	1,310	980	920	780	13
16	+8 -24	+32 0	+24 0	1,700	1,140	1,180	920	18
20	+9 -25	+33 -1	+25 0	2,290	1,800	1,610	1,440	21
25	+12 -24	+36 0	+25 0	4,760	3,900	3,330	3,120	59
30	+12 -24	+36 0	+25 0	6,250	5,580	4,385	4,460	103
40	+18 -25	+42 -1	+26 0	10,360	9,300	7,260	7,440	204
50		+42 -1	+14 -12	11,660	10,700	8,170	8,560	271

- 1) ISO 4762-8.8 fastening bolts.
- 2) In relation to Ø d.
- 3) The load ratings apply for the main load direction. If the load direction is not the main load direction, the load ratings must be multiplied by the following factors.

Ø d 12 and 16: f = 0.90, f₀ = 0.86

Ø d 20 to 50: f = 0.79, f₀ = 0.68

The dynamic load ratings are based on a total travel of 100,000 m.
When based on 50,000 m, the C values in the table are multiplied by 1.26.