



Linear sets with super linear bushings  or 



Linear sets, R1035 Closed

Linear sets, R1036 Adjustable



Design

- Lightweight precision housing (aluminum)
- Super linear bushing with or without misalignment compensation
- Top wiper seals
- Relubricatable



Shaft Ø d (mm)	Material number		Weight (kg)
	Super linear bushing  Relubricatable With two wiper seals LSA-A- ... -DD	Super linear bushing  Relubricatable With two wiper seals LSA-B- ... -DD	
10	R1035 610 20	R1035 810 20	0.10
12	R1035 612 20	R1035 812 20	0.13
16	R1035 616 20	R1035 816 20	0.20
20	R1035 620 20	R1035 820 20	0.34
25	R1035 625 20	R1035 825 20	0.65
30	R1035 630 20	R1035 830 20	0.97
40	R1035 640 20	R1035 840 20	1.80
50	R1035 650 20	R1035 850 20	3.00



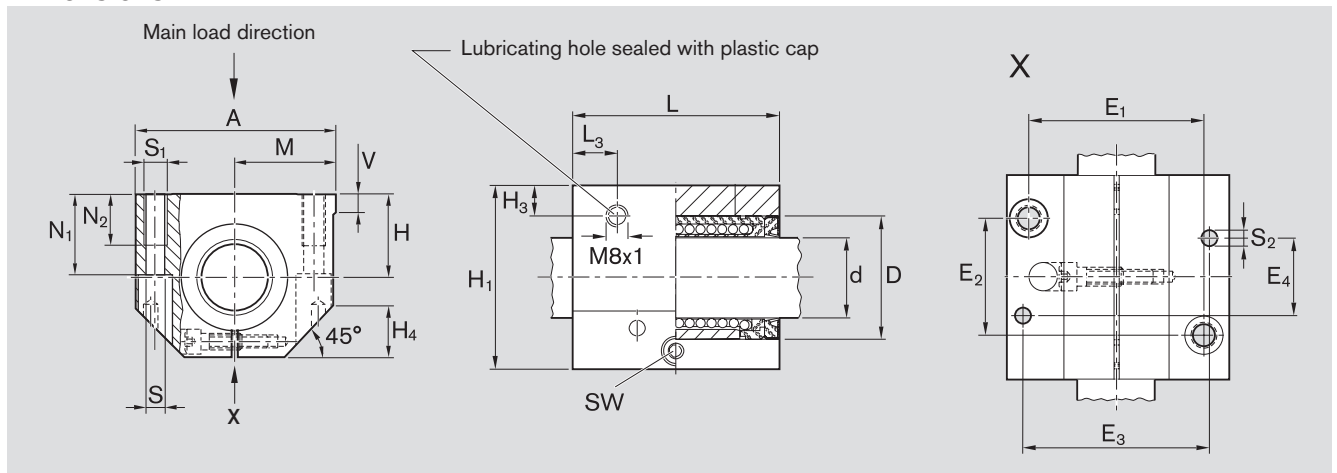
Shaft Ø d (mm)	Material number		Weight (kg)
	Super linear bushing  Relubricatable With two wiper seals LSAE-A- ... -DD	Super linear bushing  Relubricatable With two wiper seals LSAE-B- ... -DD	
10	R1036 610 20	R1036 810 20	0.10
12	R1036 612 20	R1036 812 20	0.13
16	R1036 616 20	R1036 816 20	0.20
20	R1036 620 20	R1036 820 20	0.34
25	R1036 625 20	R1036 825 20	0.65
30	R1036 630 20	R1036 830 20	0.97
40	R1036 640 20	R1036 840 20	1.80
50	R1036 650 20	R1036 850 20	3.00

Explanation of sample short product name

LS	A	E	B	20	DD
Linear set	Aluminum	Adjustable	Super 	Ø 20	Two seals

See page 39 for more information on short product names.

Dimensions



Dimensions (mm)

Δd	D	$H_1^{1)}$ +0.008 -0.016	H_1	$M^{1)}$ ± 0.01	A	L	E_1	E_2	E_3	E_4	$S^{2)}$	S_1	$S_2^{3)}$	N_1	N_2	H_3	L_3	V	SW	H_4
10	19	16	31.5	20.0	40	36	29 ± 0.15	20 ± 0.15	31	29	4.3	M5	4	15.0	11	10.0	10.5	5.0	2.5	10
12	22	18	35.0	21.5	43	39	32 ± 0.15	23 ± 0.15	34	32	4.3	M5	4	16.5	11	10.0	10.5	5.0	2.5	10
16	26	22	42.0	26.5	53	43	40 ± 0.15	26 ± 0.15	42	35	5.3	M6	4	21.0	13	10.0	11.5	5.0	3.0	13
20	32	25	50.0	30.0	60	54	45 ± 0.15	32 ± 0.15	50	45	6.6	M8	5	24.0	18	10.0	13.5	5.0	4.0	16
25	40	30	60.0	39.0	78	67	60 ± 0.15	40 ± 0.15	64	20	8.4	M10	6	29.0	22	10.0	15.0	6.5	5.0	20
30	47	35	70.0	43.5	87	79	68 ± 0.15	45 ± 0.15	72	30	8.4	M10	6	34.0	22	11.5	16.0	8.0	5.0	22
40	62	45	90.0	54.0	108	91	86 ± 0.15	58 ± 0.15	90	35	10.5	M12	8	44.0	26	14.0	18.0	10.0	6.0	28
50	75	50	105.0	66.0	132	113	108 ± 0.20	50 ± 0.20	108	42	13.5	M16	10	49.0	34	12.5	22.0	12.0	8.0	37

Δd (mm)	Radial clearance (μm)		Load ratings ⁴⁾ (N)	
	R1035 h6 shaft	R1036	dyn. C	stat. C ₀
10	+36 +9	Comes clamped to h5 shaft (lower limit) and set to zero clearance	730	380
12	+38 +10		1,020	490
16	+38 +10		1,250	620
20	+43 +11		2,470	1,340
25	+43 +11		4,820	2,790
30	+43 +11		5,860	3,570
40	+50 +12		10,070	5,570
50	+50 +12		14,730	8,280

- 1) Clamped (fastened) in relation to Δd .
- 2) ISO 4762-8.8 fastening bolts.
- 3) Pin centering.
- 4) 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:

Δd 10 to 16: $f = 0.82, f_0 = 0.86$

Δd 20 to 50: $f = 0.82, f_0 = 0.78$

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.