

**Linear Sets, R1035  
closed type**

**Linear Sets, R1036  
adjustable type**

Structural design

- Precision housing, lightweight series (Aluminum)
- Super Linear Bushing with or without self-alignment
- External seals
- Fully sealed
- Easy re-lubrication

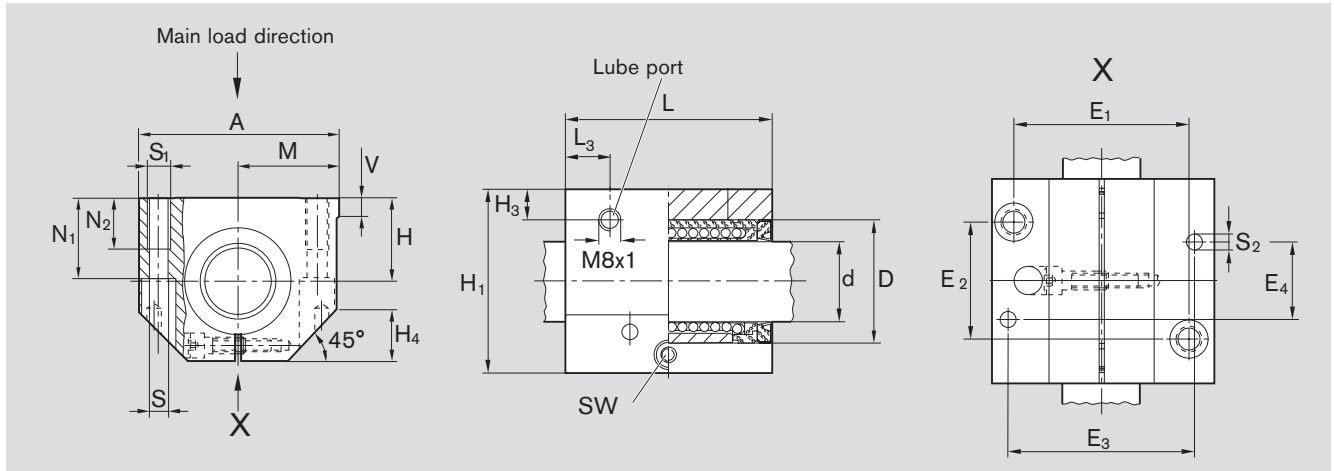


Shaft Ø d [mm]	Part numbers		Mass [kg]
	with Super Linear Bushing a easy re-lubrication with two seals	with Super Linear Bushing b easy re-lubrication with two seals	
10	R1035 610 20	R1035 810 20	0.10
12	R1035 612 20	R1035 812 20	0.13
16	R1035 616 20	R1035 816 20	0.20
20	R1035 620 20	R1035 820 20	0.34
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]	Part numbers		Mass [kg]
	with Super Linear Bushing a easy re-lubrication with two seals	with Super Linear Bushing b easy re-lubrication with two seals	
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

## Dimensions



Dimensions [mm]																					
$\varnothing d$	D	H <sup>1)</sup>	H <sub>1</sub>	M <sup>1)</sup>	A	L	E <sub>1</sub>	E <sub>2</sub>	E <sub>3</sub>	E <sub>4</sub>	S <sup>2)</sup>	S <sub>1</sub>	S <sub>2</sub> <sup>3)</sup>	N <sub>1</sub>	N <sub>2</sub>	H <sub>3</sub>	L <sub>3</sub>	V	SW	H <sub>4</sub>	
		+0.008 -0.016		±0.01																	
10	19		16	31.5	20	40	36	29±0.15	20±0.15	31	29	4.3	M5	4	15	11	10	10.5	5	2.5	10
12	22		18	35	21.5	43	39	32±0.15	23±0.15	34	32	4.3	M5	4	16.5	11	10	10.5	5	2.5	10
16	26		22	42	26.5	53	43	40±0.15	26±0.15	42	35	5.3	M6	4	21	13	10	11.5	5	3	13
20	32		25	50	30	60	54	45±0.15	32±0.15	50	45	6.6	M8	5	24	18	10	13.5	5	4	16
25	40		30	60	39	78	67	60±0.15	40±0.15	64	20	8.4	M10	6	29	22	10	15	6.5	5	20
30	47		35	70	43.5	87	79	68±0.15	45±0.15	72	30	8.4	M10	6	34	22	11.5	16	8	5	22
40	62		45	90	54	108	91	86±0.15	58±0.15	90	35	10.5	M12	8	44	26	14	18	10	6	28
50	75		50	105	66	132	113	108±0.20	50±0.20	108	42	13.5	M16	10	49	34	12.5	22	12	8	37



Shaft $\varnothing d$ [mm]	Radial clearance [μm]		Load capacities <sup>4)</sup> [N] dyn. C      stat. C <sub>0</sub>
	R1035 Shaft h6	R1036 h7	
10	+36 +9	+40 +11	730      380
12	+38 +10	+43 +12	1020      490
16	+38 +10	+43 +12	1250      620
20	+43 +11	+49 +13	2470      1340
25	+43 +11	+49 +13	4820      2790
30	+43 +11	+49 +13	5860      3570
40	+50 +12	+57 +14	10070      5570
50	+50 +12	+57 +14	14730      8280

Adjusted to zero-clearance on h5 shaft prior to delivery (lower limit) when screwed down

- <sup>1)</sup> When screwed down, relative to shaft nominal dimension d.
- <sup>2)</sup> Mounting screws to ISO 4762-8.8.
- <sup>3)</sup> Center bores for locating pin holes
- <sup>4)</sup> The given load capacities are valid for the main load direction.  
If the load direction is not the main load direction, the load capacities are to be multiplied by the following factors:  
Shafts  $\varnothing$  10 to 16:  $f = 0.82$   $f_0 = 0.86$   
Shafts  $\varnothing$  20 to 50:  $f = 0.82$   $f_0 = 0.78$

The figures for dynamic load-carrying capacity have been calculated assuming a nominal travel of 100,000 m. For a nominal travel of 50,000 m, the 'C' figures in the table must be multiplied by a factor of 1.26.