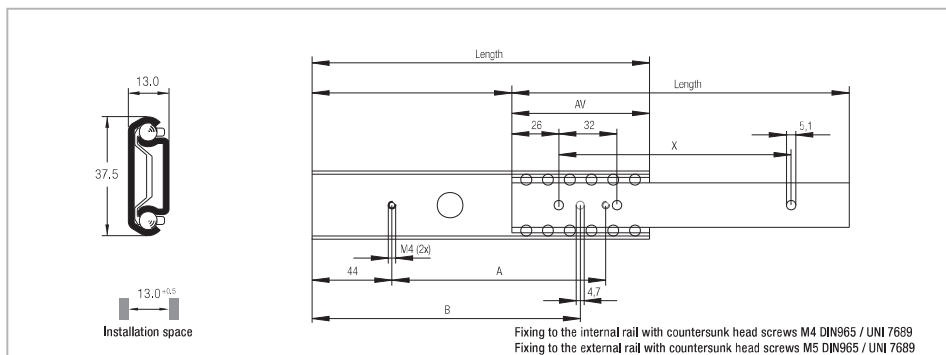


## Dimensions and load capacity



### LPS 38



All dimensions given in mm

Fig. 15

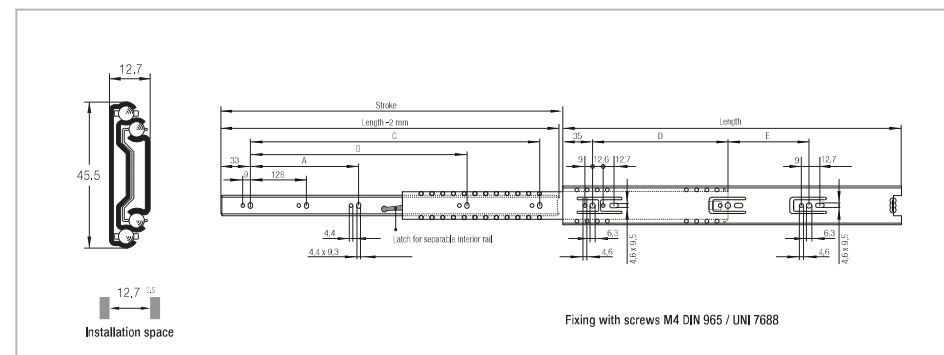
Type	Size	Length [mm]	Extension loss AV [mm]	Stroke* [mm]	A [mm]	B [mm]	X [mm]	Load capacity for a pair of rails $C_{load}$ [N]	Load capacity for a pair of rails $C_{max}$ [N]	Weight per single guide [kg]
LPS	38	242	88	154	166	202	192	350	100	0.30
		317		229	241	277	256			0.40
		398	100	298	322	358	352			0.50
		473		373	397	433	416			0.60

\* The stroke is the difference of the length and the extension loss AV

Tab. 1

Note: The given load capacities are guidelines with 100,000 cycles and uniform load distribution (area load) when using all mounting holes. The load values must be reduced in unfavorable conditions.

### LFS 46



All dimensions given in mm

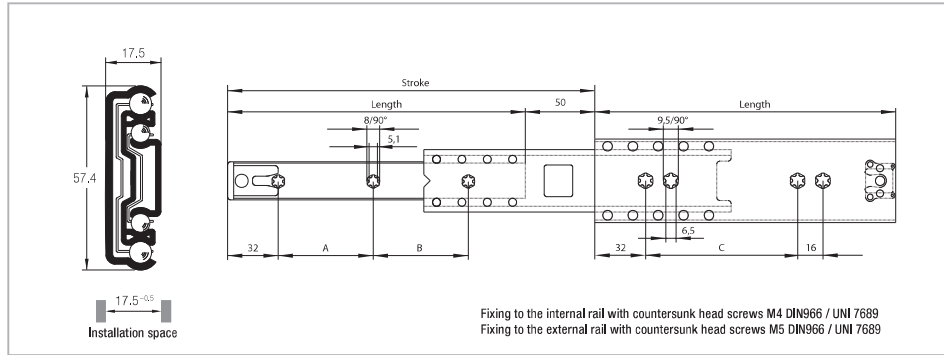
Fig. 16

Type	Size	Length [mm]	Stroke [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Load capacity for a pair of rails $C_{load}$ [N]	Load capacity for a pair of rails $C_{max}$ [N]	Weight per single guide [kg]
LFS	46	300	305	-	-	242	192	-	300	100	0.48
		350	356	-	-	292	256	-	300		0.505
		400	406	-	256	342	160	96	350		0.64
		450	457	-		392		160			0.71
		500	508	-	352	442	224	128	400		0.79
		550	559	224	416	492		192			0.88
		600	610		542	224		0.95			

Tab. 2

Note: The given load capacities are guidelines with 50,000 cycles and uniform load distribution (area load) when using all mounting holes. The load values must be reduced in unfavorable conditions.

> LFS 57



All dimensions given in mm

Fig. 17

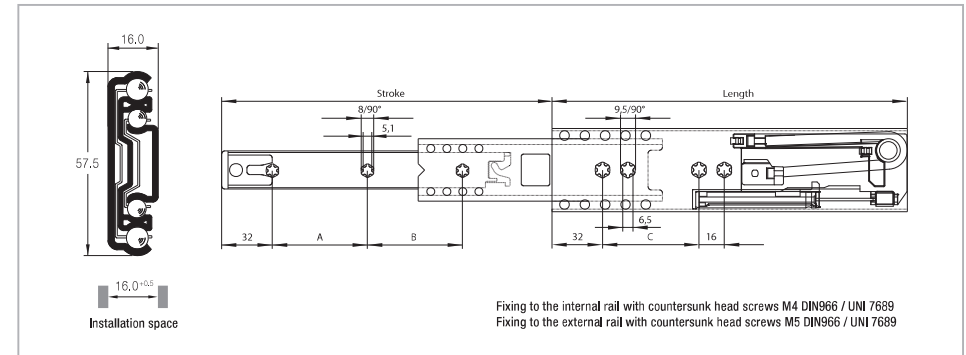
Type	Size	Length	Stroke*	A	B	C	Load capacity for a pair of rails	Load capacity for a pair of rails	Weight per single guide
		[mm]	[mm]	[mm]	[mm]	[mm]	$C_{load}$ [N]	$C_{max}$ [N]	[kg]
LFS	57	300	350	128	104	160	500	160	0.84
		350	400		152		600		0.98
		400	450		168		650		1.13
		450	500	224	224	700	1.27		
		500	550		208	750	1.42		
		550	600	288	256	384	800		1.57
		600	650		240		1.71		
		650	700		288		1.86		
		700	750		312		2.01		
750	800	320	360	2.16					

\* The stroke is the sum of the length and the over extension

Tab. 3

Note: The given load capacities are guidelines with 100,000 cycles and uniform load distribution (area load) when using all mounting holes. The load values must be reduced in unfavorable conditions.

> LFS 58 SC



All dimensions given in mm

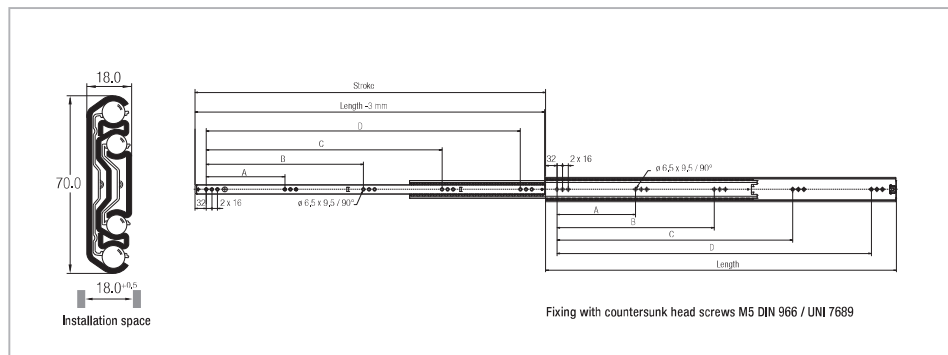
Fig. 18

Type	Size	Length	Stroke	A	B	C	Load capacity for a pair of rails	Weight per single guide
		[mm]	[mm]	[mm]	[mm]	[mm]	$C_{load}$ [N]	[kg]
LFS	58	400	434	128	128	224	400	1,10
		450	484	160	160	256	500	1,25
		500	534		192	320	550	1,40
		550	584	192	320	600	1,55	

Tab. 4

Note: The given load capacities are guidelines with 100,000 cycles and uniform load distribution (area load) when using all mounting holes. The load values must be reduced in unfavorable conditions. Horizontal installation is not possible due to the damping system. The damping effect is reduced for loads of 450 N and higher per extension pair.

> LFS 70



All dimensions given in mm

Fig. 19

Type	Size	Length [mm]	Stroke [mm]	A [mm]	B [mm]	C [mm]	D [mm]	Load capacity for a pair of rails		Weight per single guide [kg]	
								$C_{0rad}$ [N]	$C_{0ax}$ [N]		
LFS	70	400	400	-	-	-	288	1050	1800*	300	1,55
		450	450	-	-	160	320	1150	1900*		1,74
		500	500	-	-	192	384	1300	1950*		1,94
		550	550	-	-	224	448	1300	2000*		2,13
		600	600	-	-	-	-	1300	1950*		2,32
		700	700	-	192	384	576	1300	1750*		2,70
		800	800	-	224	448	672	1200	1450*		3,10
		1100	1100	224	448	672	896	900	1050*		200

\* 10,000 cycles

Tab. 5

Note: The given load capacities are guidelines with 100,000 cycles and uniform load distribution (area load) when using all mounting holes. The load values must be reduced in unfavorable conditions.

> LFX 27

Stainless steel telescopic guide

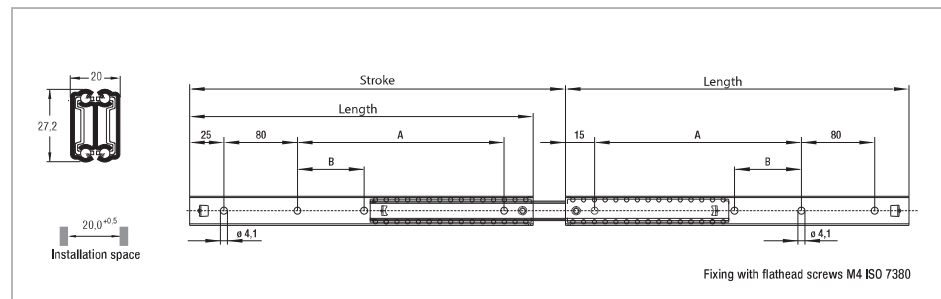


Fig. 20

Type	Size	Length [mm]	Stroke [mm]	A [mm]	B [mm]	Load capacity for a pair of rails [N]				Weight per single guide [kg]
						to 10,000 cycles		to 100,000 cycles		
						$C_{0rad}$	$C_{0ax}$	$C_{0rad}$	$C_{0ax}$	
LFX	27	300	326	180	-	350	50	250	50	0,43
		350	376	230	70					0,49
		400	426	280	100					0,57
		450	476	330	100					0,64
		500	526	380	140					0,72
		550	576	430	160				0,76	

Tab. 6