

> DSS

DSS with one-sided extension (single stroke)

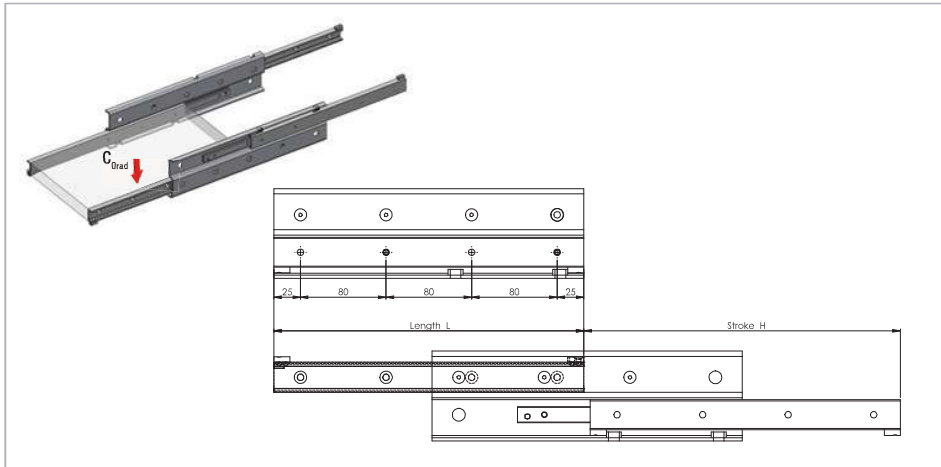


Fig. 36

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails C <sub>Drad</sub> [N]	Accessible holes / total
DSS	28	290	296	1140	3 / 4
		370	380	1538	4 / 5
		450	464	1938	4 / 6
		530	548	2340	6 / 7
		610	630	2752	6 / 8
		690	714	3154	7 / 9
		770	798	3556	7 / 10
		850	864	4222	9 / 11
		930	950	4480	9 / 12
		1010	1034	4108	10 / 13
		1090	1118	3792	10 / 14
		1170	1202	3522	12 / 15
		1250	1266	3390	12 / 16
1330	1350	3172	13 / 17		
1410	1434	2980	13 / 18		
1490	1518	2810	15 / 19		

Tab. 5

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails C <sub>Drad</sub> [N]	Accessible holes / total
DSS	35	450	494	2500	5 / 6
		530	558	3370	6 / 7
		610	646	3816	6 / 8
		690	734	4264	7 / 9
		770	798	5158	8 / 10
		850	886	5602	9 / 11
		930	974	6048	9 / 12
		1010	1038	6952	10 / 13
		1090	1126	7016	11 / 14
		1170	1214	6480	12 / 15
		1250	1278	6242	12 / 16
		1330	1366	5814	13 / 17
		1410	1454	5442	14 / 18
1490	1518	5272	15 / 19		
1570	1606	4964	15 / 20		
1650	1694	4690	16 / 21		
1730	1758	4564	17 / 22		

Tab. 6

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails C <sub>Drad</sub> [N]	Accessible holes / total
DSS	43	530	556	4122	6 / 7
		610	626	5206	6 / 8
		690	726	5550	7 / 9
		770	796	6638	7 / 10
		850	866	7746	9 / 11
		930	966	8072	9 / 12
		1010	1036	9180	10 / 13
		1090	1106	10208	10 / 14
		1170	1206	9220	12 / 15
		1250	1276	8796	12 / 16
		1330	1376	8054	13 / 17
		1410	1446	7728	14 / 18
		1490	1516	7426	15 / 19
		1570	1616	6890	15 / 20
		1650	1686	6650	16 / 21
		1730	1756	6426	17 / 22
		1810	1856	6022	18 / 23
		1890	1926	5838	18 / 24
		1970	2026	5500	19 / 25

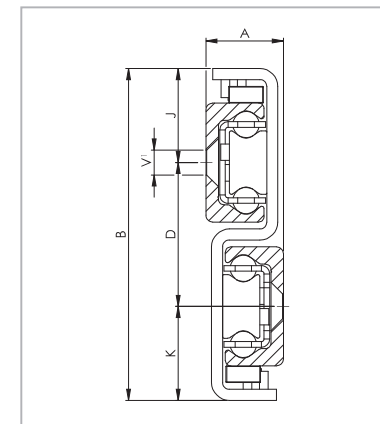
Tab. 7

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails C <sub>Drad</sub> [N]	Accessible holes / total
DSS	63	610	666	7004	6 / 8
		690	746	8504	8 / 9
		770	826	10024	8 / 10
		850	906	11560	9 / 11
		930	986	13104	9 / 12
		1010	1066	14658	11 / 13
		1090	1146	16218	11 / 14
		1170	1226	17784	12 / 15
		1250	1306	19354	12 / 16
		1330	1386	20928	14 / 17
		1410	1466	22504	14 / 18
		1490	1546	24082	15 / 19
		1570	1626	25664	15 / 20
		1650	1706	24728	17 / 21
		1730	1786	23654	17 / 22
		1810	1866	22668	18 / 23
		1890	1946	21762	18 / 24
1970	2026	20926	20 / 25		

Tab. 8

> DSS

DSS with one-sided extension (single stroke)



<sup>1</sup> Fixing holes (V) for countersunk head screws according to DIN 7991 Fig. 37

Type	Size	Cross-section						Weight per single guide [kg/m]
		A [mm]	B [mm]	K [mm]	D [mm]	J [mm]	V	
DSS	28	17	84	24.5	35	24.5	M5	6.40
	35	22.5	104	30.5	43	30.5	M6	10.10
	43	28	120	34	52	34	M8	14.60
	63	40	208	64	80	64	M10	32.60

Tab. 9

> DSS...S

... S-Version with reinforced and damped stainless steel limit blocks

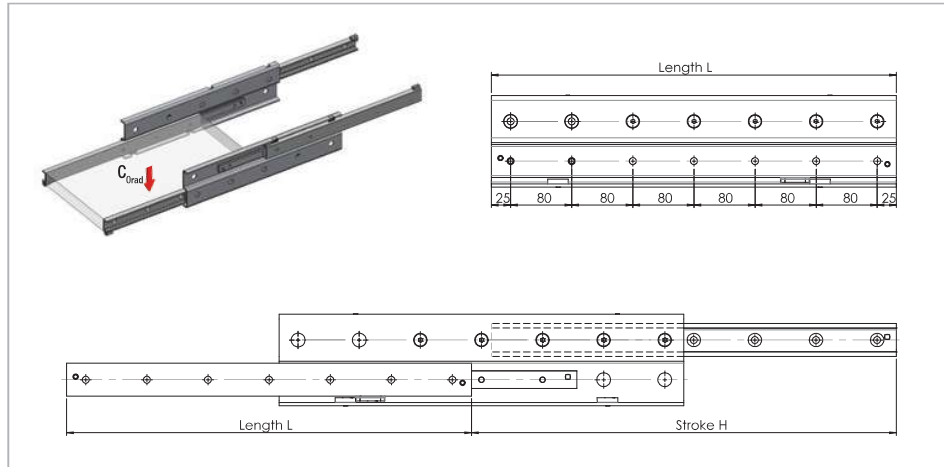


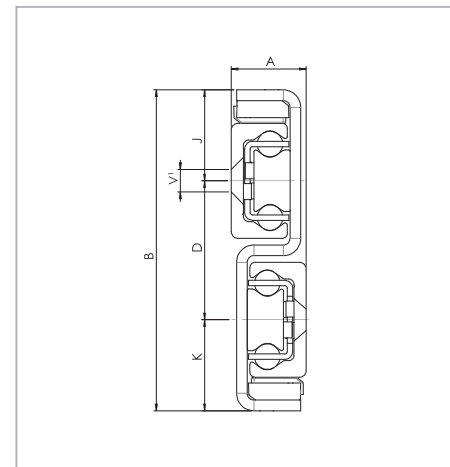
Fig. 38

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{rad}$ [N]	Accessible holes / total
DSS...S	43	530	556	4122	6 / 7
		610	626	5206	6 / 8
		690	726	5550	7 / 9
		770	796	6638	7 / 10
		850	866	7746	9 / 11
		930	966	8072	9 / 12
		1010	1036	9180	10 / 13
		1090	1106	10208	10 / 14
		1170	1206	9220	12 / 15
		1250	1276	8796	12 / 16
		1330	1376	8054	13 / 17
		1410	1446	7728	14 / 18
		1490	1516	7426	15 / 19
		1570	1616	6890	15 / 20
		1650	1686	6650	16 / 21
		1730	1756	6426	17 / 22
1810	1856	6022	18 / 23		
1890	1926	5838	18 / 24		
1970	2026	5500	19 / 25		

Tab. 10

> DSS...S

...S version with reinforced and damped stainless steel end stops



<sup>1</sup> Fixing holes (V) for countersunk head screws according to DIN 7991

Fig. 39

Type	Size	Cross-section						Weight per single guide [kg/m]
		A [mm]	B [mm]	K [mm]	D [mm]	J [mm]	V	
DSS...S	43	28	120	34	52	34	M8	14.60

Tab. 11

> DSB

B version with locking system for closed position

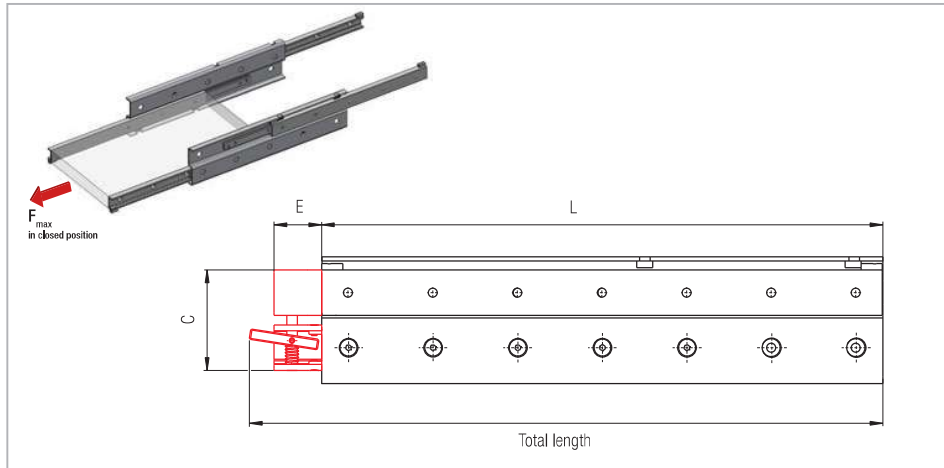


Fig. 40

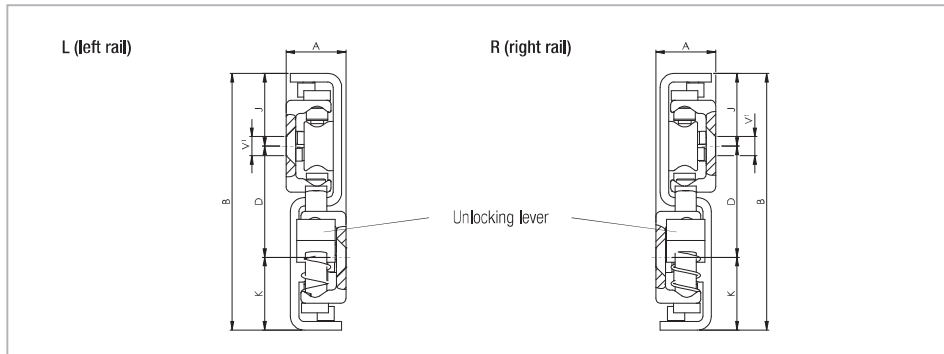


Fig. 41

<sup>1</sup> Fixing holes (V) for countersunk head screws according to DIN 7991

The DSB is built on the DSS design. The same load capacities, cross-sections and available rail lengths apply (see pg. TR-12ff). Data in Table 10 are based on the special features of the locking mechanism. Please observe right or left installation for version DSB. The maximum load on the locking when closed is indicated by  $F_{max}$ .

Type	Size	L [mm]	Total length [mm]	C [mm]	E [mm]	$F_{max}^{*2}$ [N]	Weight per single guide [kg/m]
DSB	28	from 290 to 1490*	L + 52	63	35	2460	6.51
	35	from 450 to 1730*	L + 53	78	33	3000	10.4
	43	from 530 to 1970*	L + 69	95	45	5630	14.98

\* For available lengths, see pg. TR-12, tab. 5 and 7 (DSS)  
 \*\*When using one lock

Tab. 12

> DSD

DSD with double direction stroke (double stroke)

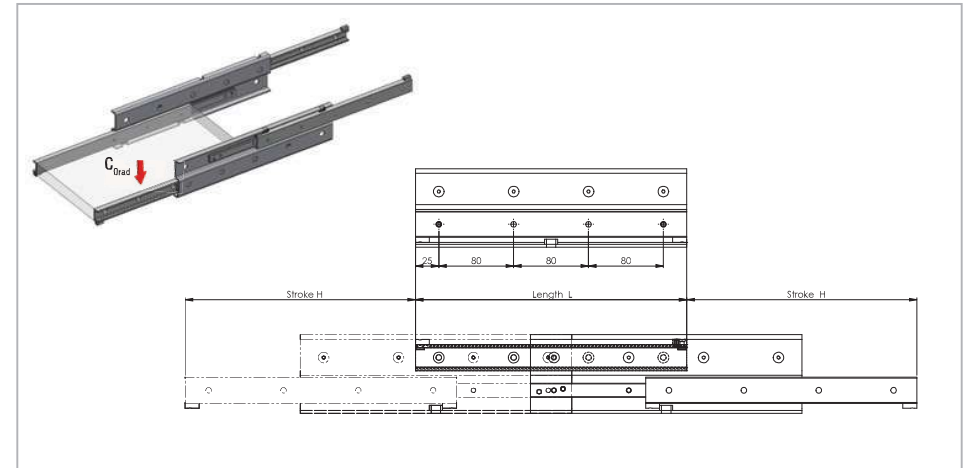


Fig. 42

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	Accessible holes / total	Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	Accessible holes / total
DSD	28	290	246	1790	4 / 4	DSD	35	450	350	6050	4 / 6
		370	326	2210	4 / 5			530	430	6382	6 / 7
		450	406	2634	6 / 6			610	510	6762	6 / 8
		530	486	3252	6 / 7			690	590	7600	8 / 9
		610	566	3674	8 / 8			770	670	8016	8 / 10
		690	646	4100	8 / 9			850	750	8446	10 / 11
		770	726	4524	10 / 10			930	830	9292	10 / 12
		850	806	4950	10 / 11			1010	910	9736	12 / 13
		930	886	5162	12 / 12			1090	990	9160	12 / 14
		1010	966	4714	12 / 13			1170	1070	8404	14 / 15
		1090	1046	4336	14 / 14			1250	1150	7764	14 / 16
		1170	1126	4016	14 / 15			1330	1230	7214	16 / 17
		1250	1206	3740	16 / 16			1410	1310	6738	16 / 18
		1330	1286	3498	16 / 17			1490	1390	6320	18 / 19
1410	1366	3288	18 / 18	1570	1470	5950	18 / 20				
1490	1446	3100	18 / 19	1650	1550	5622	20 / 21				
				1730	1630	5328	20 / 22				

Tab. 13

Tab. 14

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	Accessible holes / total
DSD	43	530	476	6036	6 / 7
		610	556	6530	8 / 8
		690	636	7562	8 / 9
		770	716	8594	10 / 10
		850	796	9094	10 / 11
		930	876	10126	12 / 12
		1010	956	11156	12 / 13
		1090	1036	11660	14 / 14
		1170	1116	10784	14 / 15
		1250	1196	10028	16 / 16
		1330	1276	9372	16 / 17
		1410	1356	8796	18 / 18
		1490	1436	8286	18 / 19
		1570	1516	7834	20 / 20
		1650	1596	7426	20 / 21
		1730	1676	7060	22 / 22
1810	1756	6728	22 / 23		
1890	1836	6426	24 / 24		
1970	1916	6150	24 / 25		

Tab. 15

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	Accessible holes / total
DSD	63	610	398	23716	6 / 8
		690	478	24484	6 / 9
		770	558	25434	8 / 10
		850	638	26500	8 / 11
		930	718	27646	10 / 12
		1010	798	28848	10 / 13
		1090	878	30092	12 / 14
		1170	958	31368	12 / 15
		1250	1038	32668	14 / 16
		1330	1118	33988	14 / 17
		1410	1198	35322	16 / 18
		1490	1278	36670	16 / 19
		1570	1358	38018	18 / 20
		1650	1438	35538	18 / 21
		1730	1518	33360	20 / 22
		1810	1598	31436	20 / 23
1890	1678	29720	22 / 24		
1970	1758	28182	22 / 25		

Tab. 16

> DSD

DSD with double direction stroke (double stroke)

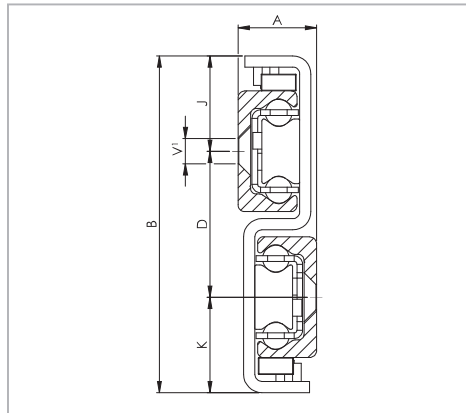


Fig. 43

\* Fixing holes (M) for countersunk head screws according to DIN 7991

Type	Size	Cross-section						Weight per single guide [kg/m]
		A [mm]	B [mm]	K [mm]	D [mm]	J [mm]	V	
DSD	28	17	84	24,5	35	24,5	M5	6,40
	35	22,5	104	30,5	43	30,5	M6	10,10
	43	28	120	34	52	34	M8	14,60
	63	40	208	64	80	64	M10	32,60

Tab. 17

Please note the technical information "Double-sided stroke" on page TR-42

> DSE

E version with extra stroke

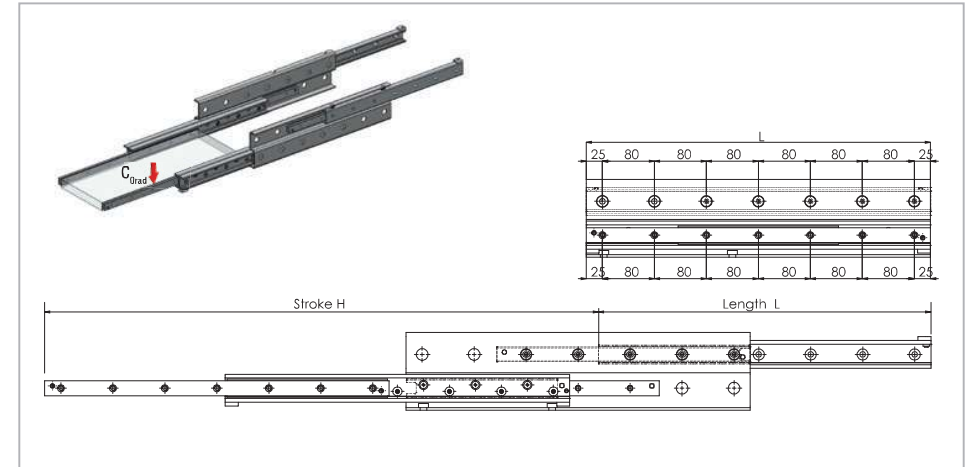


Fig. 44

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	No. of holes fixed part	No. of holes mobile part
DSE	28	290	444	702	3 / 4	4
		370	570	952	4 / 5	5
		450	696	1200	4 / 6	6
		530	822	1450	6 / 7	7
		610	946	1702	6 / 8	8
		690	1072	1684	7 / 9	9
		770	1198	1506	7 / 10	10
		850	1297	1420	9 / 11	11
		930	1425	1292	9 / 12	12
		1010	1551	1184	10 / 13	13
1090	1677	1094	10 / 14	14		
1170	1803	1016	12 / 15	15		

Tab. 18

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{Drad}$ [N]	No. of holes fixed part	No. of holes mobile part
DSE	35	450	741	1552	5 / 6	6
		530	837	2098	6 / 7	7
		610	969	2376	6 / 8	8
		690	1101	2652	7 / 9	9
		770	1197	3182	8 / 10	10
		850	1329	2850	9 / 11	11
		930	1461	2582	9 / 12	12
		1010	1557	2466	10 / 13	13
		1090	1689	2262	11 / 14	14
		1170	1821	2090	12 / 15	15
1250	1917	2012	12 / 16	16		
1330	2049	1874	13 / 17	17		
1410	2181	1754	14 / 18	18		
1490	2277	1700	15 / 19	19		

Tab. 19

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{load}$ [N]	No. of holes fixed part	No. of holes mobile part
DSE	43	530	834	2582	6 / 7	7
		610	939	3264	6 / 8	8
		690	1089	3470	7 / 9	9
		770	1194	4154	7 / 10	10
		850	1299	4852	9 / 11	11
		930	1449	5012	9 / 12	12
		1010	1554	4728	10 / 13	13
		1090	1659	4476	11 / 14	14
		1170	1809	4044	12 / 15	15
		1250	1914	3856	12 / 16	16
		1330	2064	3532	13 / 17	17
		1410	2169	3388	13 / 18	18
		1490	2274	3256	15 / 19	19
		1570	2409	3078	15 / 20	20
		1650	2529	2916	16 / 21	21
		1730	2634	2818	16 / 22	22
1810	2784	2640	18 / 23	23		
1890	2889	2560	18 / 24	24		
1970	3039	2412	19 / 25	25		

Tab. 20

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails $C_{load}$ [N]	No. of holes fixed part	No. of holes mobile part
DSE	63	610	999	4328	6 / 8	8
		690	1119	5260	8 / 9	9
		770	1239	6208	8 / 10	10
		850	1359	7164	9 / 11	11
		930	1479	8128	9 / 12	12
		1010	1599	9096	11 / 13	13
		1090	1719	10070	11 / 14	14
		1170	1839	11046	12 / 15	15
		1250	1959	11344	12 / 16	16
		1330	2079	10714	14 / 17	17
		1410	2199	10152	14 / 18	18
		1490	2319	9644	15 / 19	19
		1570	2439	9186	15 / 20	20
		1650	2559	8768	17 / 21	21
		1730	2679	8388	17 / 22	22
		1810	2799	8038	18 / 23	23
1890	2919	7718	18 / 24	24		
1970	3039	7420	20 / 25	25		

Tab. 21

> DSE

E version with extra stroke

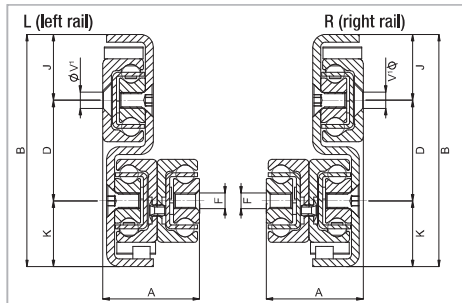


Fig. 45

\* Fixing holes (V) for countersunk head screws according to DIN 7991  
Please observe right or left installation for version DSE.

Type	Size	Cross-section							Weight per single guide [kg/m]
		A [mm]	B [mm]	K [mm]	D [mm]	J [mm]	F [mm]	V [mm]	
DSE	28	30	84	24,5	35	24,5	M5	M5	8,4
	35	39,5	104	30,5	43	30,5	M6	M6	13,2
	43	50	120	34	52	34	M8	M8	19,9
	63	69	208	64	80	64	M8	M10	42,9

Tab. 22

> DSC

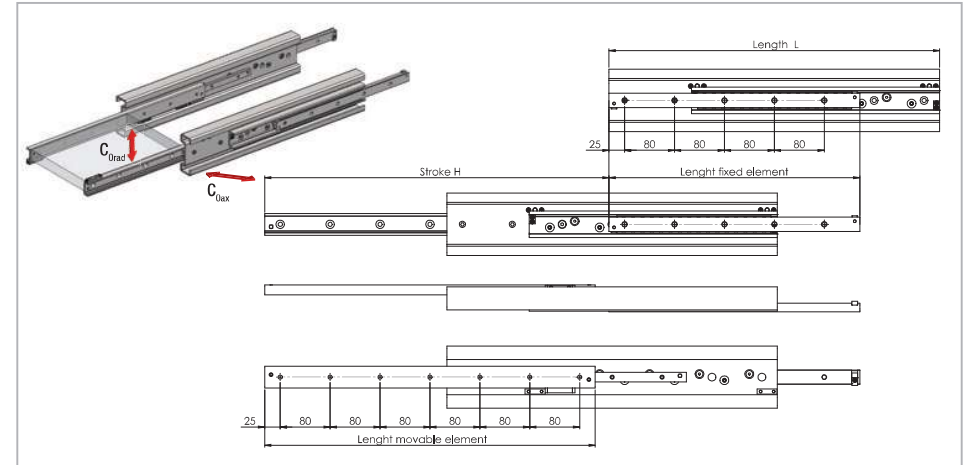


Fig. 46

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails		Fixed element		Movable element	
				$C_{load}$ [N]	$C_{max}$ [N]	Accessible holes / total	Length [mm]	Accessible holes / total	Length [mm]
DSC	43	530	552	4780	3346	5 / 5	402	6 / 7	530
		610	619	5928	4150	6 / 6	465	6 / 8	610
		690	725	6190	3840	6 / 6	520	8 / 9	690
		770	792	7332	3584	7 / 7	582	8 / 10	770
		850	859	8492	3362	8 / 8	644	9 / 11	850
		930	965	8738	2918	9 / 9	700	9 / 12	930
		1010	1029	10508	2784	10 / 10	770	11 / 13	1010
		1090	1099	11058	2634	10 / 10	825	11 / 14	1090
		1170	1202	10354	2364	11 / 11	887	12 / 15	1170
		1250	1272	9874	2254	12 / 12	942	12 / 16	1250
		1330	1375	8998	2054	13 / 13	1005	14 / 17	1330
		1410	1445	8634	1972	14 / 14	1060	14 / 18	1410
		1490	1509	8362	1910	14 / 14	1130	15 / 19	1490
		1570	1615	7698	1758	15 / 15	1185	16 / 20	1570
		1650	1685	7428	1696	15 / 15	1240	16 / 21	1650
		1730	1752	7202	1644	16 / 16	1302	17 / 22	1730
1810	1843	6812	1556	17 / 17	1365	18 / 23	1810		
1890	1922	6540	1494	18 / 18	1427	19 / 24	1890		
1970	2028	6126	1390	19 / 19	1482	20 / 25	1970		

Tab. 23

> DSC

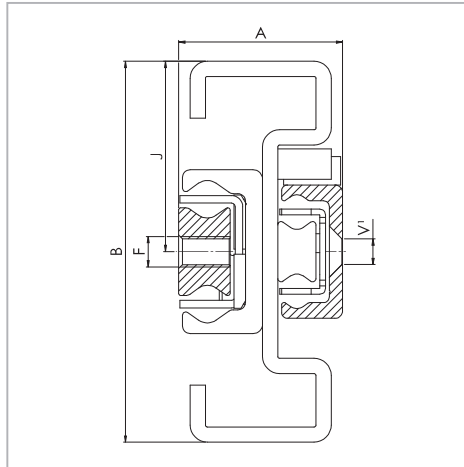


Fig. 47 Fixing holes (V) for countersunk head screws according to DIN 7991

Type	Size	Cross-section					Weight per single guide [kg/m]
		A [mm]	B [mm]	J [mm]	F [mm]	V' [mm]	
DSC	43	43	100	50	M8	M6	13,4

Tab. 24

> DE

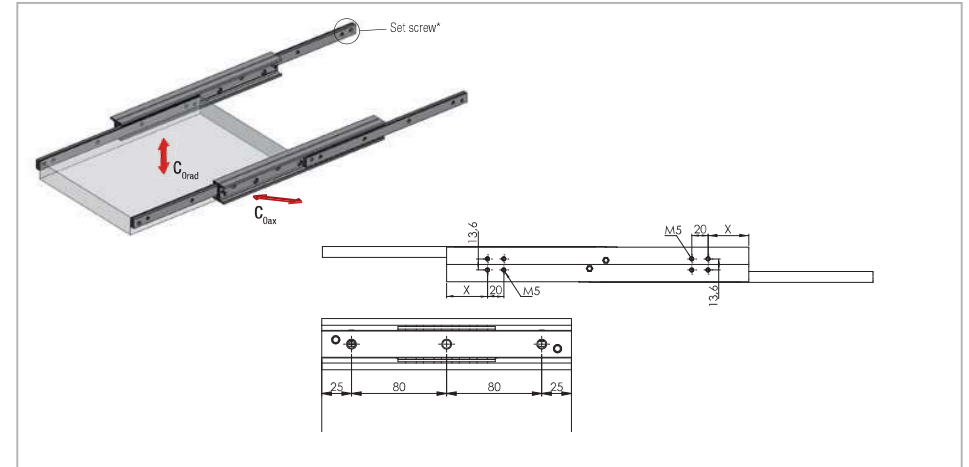


Fig. 48 \* Remove the set screw to reach all the fixing holes. See also assembly instructions on page TR-45f.

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails		No. of holes
				C <sub>rad</sub> [N]	C <sub>max</sub> [N]	
DEF DEV DEM	22	130	152	238	166	2
		210	222	562	392	3
		290	308	780	546	4
		370	392	1002	526	5
		450	462	1348	460	6
		530	548	1142	386	7
		610	632	988	334	8
		690	702	906	306	9
		770	788	802	270	10

Tab. 25

Type	Size	Length L [mm]	Stroke H [mm]	Load capacity for a pair of rails		No. of holes
				C <sub>rad</sub> [N]	C <sub>max</sub> [N]	
DEF DEV DEM	28	130	148	470	328	2
		210	232	864	604	3
		290	296	1534	1074	4
		370	380	1936	942	5
		450	464	2338	770	6
		530	548	2214	650	7
		610	633	1910	560	8
		690	717	1684	494	9
		770	801	1506	442	10
		850	866	1420	416	11
		930	950	1292	378	12
		1010	1034	1184	348	13
		1090	1118	1094	320	14
		1170	1202	1016	298	15

Tab. 26