

> TLQ

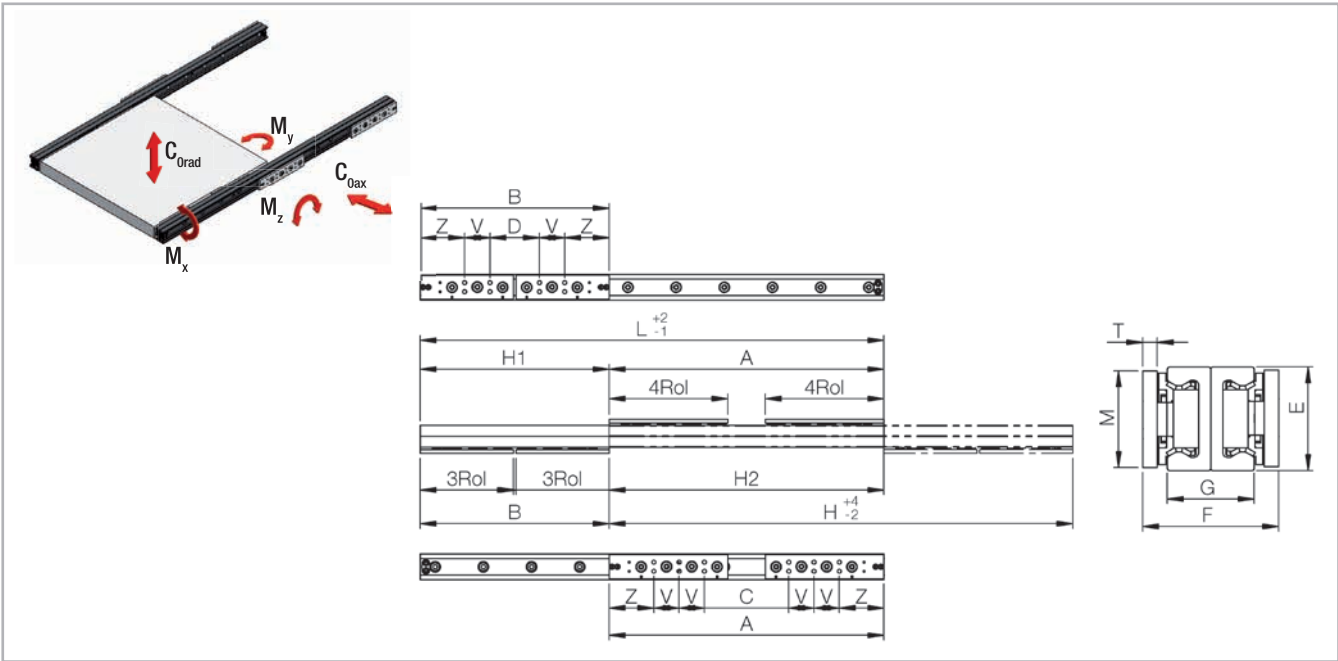


Fig. 28

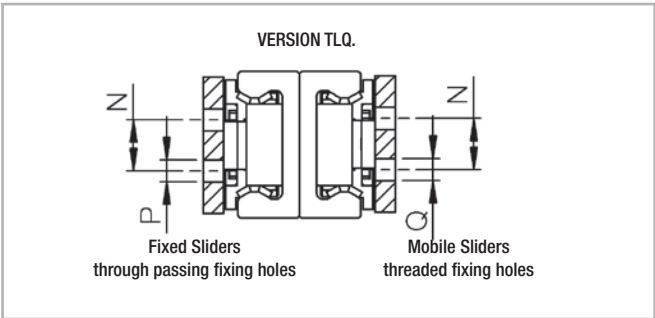


Fig. 29

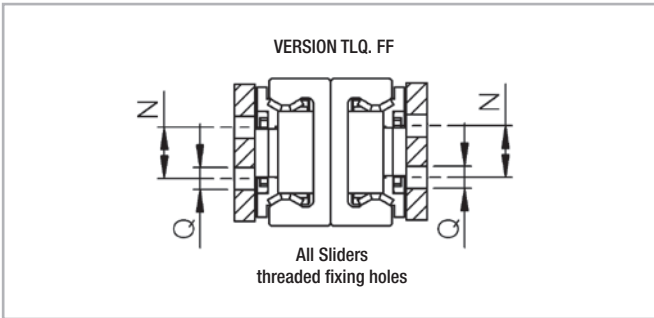


Fig. 30

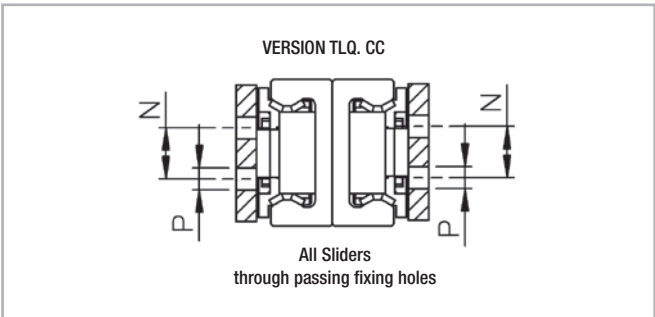


Fig. 31

Code	Size	E [mm]	F [mm]	G [mm]	M [mm]	T [mm]	N [mm]	P [mm]	Q [mm]	Sliders		Z [mm]	V [mm]	Weight [kg/m]	Weight 4 sliders [Kg]
										Type	Length L [mm]				
TLQ	18FF	18	29,4	19	15	3	8	-	M4	3Rol	87	48	21	1,4	0,4
	28	28	36,6	23,9	25	4	10	Ø5,5 for screw M5 DIN912	M5	3Rol	111,5	58	29	2,5	1,5
										4Rol	140,5				
	43	43	56,4	36	40	6	15	Ø6,5 for screw M6 DIN912	M6	3Rol	155	74	42	6	2,4
										4Rol	197				

Customized stroke

TLQ slides offer the unique possibility to easily customize the actual stroke H to individual needs. This is obtained by repositioning the slider distance “A” for “Fixed sliders” and distance “B” for “Mobile sliders”, with different distances than indicated on this page. Just keep in mind that distance A is always bigger than B, to maximize the load capacity. By reducing distances between A and B the total stroke increases but the Load capacity decreases, conversely increasing the distance between A and B the total stroke is reduced, while the load capacity increases. Contact ROLLON's Technical department for load capacities according to customized stroke.

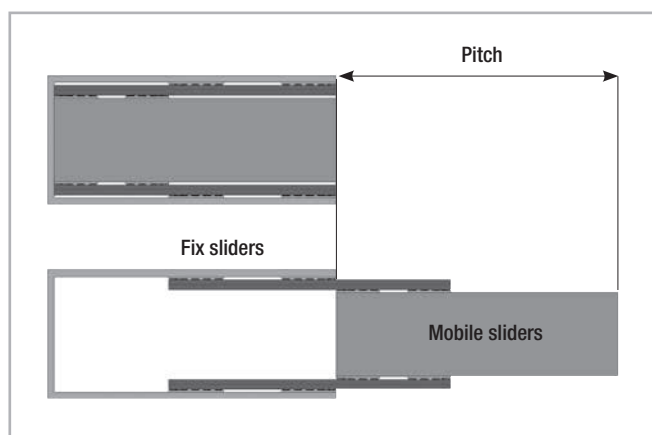


Fig. 32

Installation notes for radial loads

The slide must be installed with the mark “Up-side” facing upwards, when considering RADIAL loads. The sliders attached to structure are marked “Fix-sliders” while the sliders mounted to mobile part are marked “Mobile sliders”. When used in pairs, the same slide can be installed left or right, just by rotating the slide, keeping the mark “Up-side” facing upwards, for radial loads.

Version	Characteristics
BASIC	Cold drawn steel rails with patented “ROLLON-NOX” ; high depth nitride hardening and black oxidation treatment. The rails are cut to size after treatment, so the rail ends are protected by protective spray. The rollers are core hardened steel.
Q	As a basic TLQ product but with additional black “ROLLON e-coating” on the rails, for high corrosion resistance (min 700 hours resistance in salt fog). The rail has no ROLLON e-coating on the raceway contact area with the rollers, as masked before the treatment. The raceways are anyhow with standard oxidation while the wipers with incorporated pre-oiled felt assure lubrication and corrosion protection of raceways.

Tab. 7

Code	Size	L [mm]	H [mm]	Fix sliders			Mobile sliders			Load capacity and moments for a pair of rails					
				A [mm]	C [mm]	H1 [mm]	B [mm]	D [mm]	H2 [mm]	Dynamic coefficient C [N]	Co _{rad} [N]	Co _{ax} [N]	M _x [*] [Nm]	M _y [Nm]	M _z [Nm]
TLQ	18FF	370	370	185	47	185	185	47	185	725	450	350	6	218	94
		450	450	270	132	180	180	42	270	1159	868	426	6	202	86
		530	530	318	180	212	212	74	318	1267	828	374	6	268	120
		610	610	366	228	244	244	106	366	1343	738	332	6	268	120
		690	690	414	276	276	276	138	414	1400	664	300	6	268	120
		770	770	462	324	308	308	170	462	1445	604	272	6	268	120
Slider type			All sliders type 3Rol			All sliders type 3Rol			Tab. 8						

Tab. 8

* The value M_x refers to a single rail

4 Dimensions and load capacity

Code	Size	L [mm]	H [mm]	Fix sliders			Mobile sliders			Load capacity and moments for a pair of rails					
				A [mm]	C [mm]	H1 [mm]	B [mm]	D [mm]	H2 [mm]	Dynamic coefficient C [N]	Co _{rad} [N]	Co _{ax} [N]	M _x [*] [Nm]	M _y [Nm]	M _z [Nm]
TLQ	28	450	450	227	53	223	223	49	227	602	544	464	18	192	256
		530	530	307	133	223	223	49	307	1138	1210	876	18	192	256
		610	610	360	128	250	250	76	360	1335	2058	808	18	256	342
		690	690	408	176	282	282	108	408	1458	1916	732	18	316	444
		770	770	456	224	314	314	140	456	1552	1754	670	18	316	546
		850	850	504	272	346	346	172	504	1626	1616	618	18	316	576
		930	930	552	320	378	378	204	552	1687	1500	572	18	316	576
		1010	1010	600	368	410	410	236	600	1737	1398	534	18	316	576
		1090	1090	648	416	442	442	268	648	1779	1310	500	18	316	576
		1170	1170	696	464	474	474	300	696	1814	1232	470	18	316	576
		1250	1250	744	512	506	506	332	744	1845	1162	444	18	316	576
		1330	1330	792	560	538	538	364	792	1872	1100	420	18	316	576
		1410	1410	840	608	570	570	396	840	1896	1044	400	18	316	576
		1490	1490	888	656	602	602	428	888	1917	994	380	18	316	576
Slider type				Length 450 e 530 type 3Rol from Length 610 type 4Rol			All sliders type 3Rol			Tab. 9					

* The value M_x refers to a single rail

Code	Size	L [mm]	H [mm]	Fix sliders			Mobile sliders			Load capacity and moments for a pair of rails					
				A [mm]	C [mm]	H1 [mm]	B [mm]	D [mm]	H2 [mm]	Dynamic coefficient C [N]	Co _{rad} [N]	Co _{ax} [N]	M _x [*] [Nm]	M _y [Nm]	M _z [Nm]
TLQ	43	610	600	310	78	300	310	78	300	1529	2228	1114	64	648	864
		690	690	374	142	316	316	84	374	2326	3390	1694	64	680	906
		770	770	456	140	314	314	82	456	3052	4448	2068	64	668	892
		850	850	504	188	346	346	114	504	3305	4816	1916	64	842	1122
		930	930	552	236	378	378	146	552	3509	4978	1784	64	1014	1352
		1010	1010	600	284	410	410	178	600	3676	4656	1668	64	1036	1584
		1090	1090	648	332	442	442	210	648	3816	4374	1568	64	1036	1814
		1170	1170	696	380	474	474	242	696	3935	4126	1478	64	1036	2044
		1250	1250	744	428	506	506	274	744	4037	3902	1398	64	1036	2274
		1330	1330	792	476	538	538	306	792	4126	3702	1326	64	1036	2504
		1410	1410	840	524	570	570	338	840	4204	3522	1262	64	1036	2736
		1490	1490	888	572	602	602	370	888	4272	3358	1204	64	1036	2892
		1570	1570	936	620	634	634	402	936	4334	3210	1150	64	1036	2892
		1650	1650	984	668	666	666	434	984	4389	3072	1102	64	1036	2892
		1730	1730	1032	716	698	698	466	1032	4438	2948	1056	64	1036	2892
		1810	1810	1080	764	730	730	498	1080	4483	2832	1014	64	1036	2892
		1890	1890	1128	812	762	762	530	1128	4524	2726	976	64	1036	2892
		1970	1970	1176	860	794	794	562	1176	4561	2626	940	64	1036	2892
Slider type				Length 610 e 690 type 3Rol from Length 770 type 4Rol			All sliders type 3Rol			Tab.10					

* The value M_x refers to a single rail