

> TQN

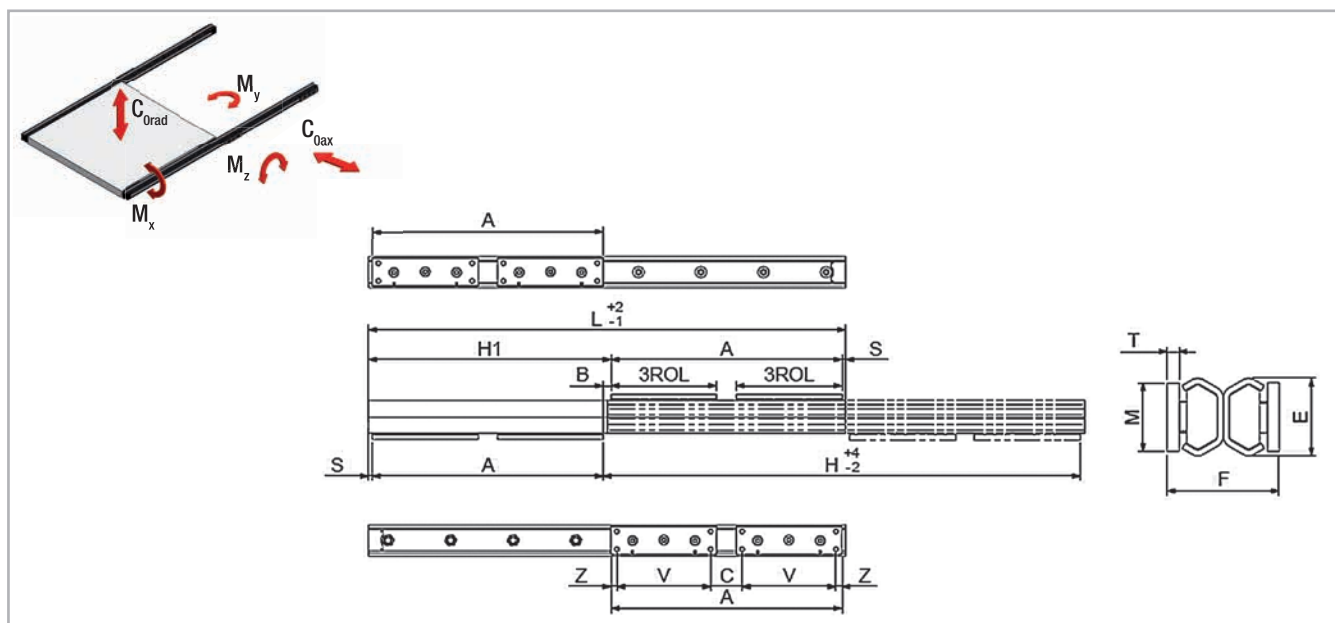


Fig. 35

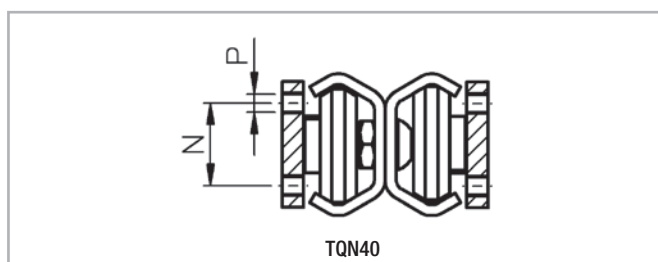


Fig. 36

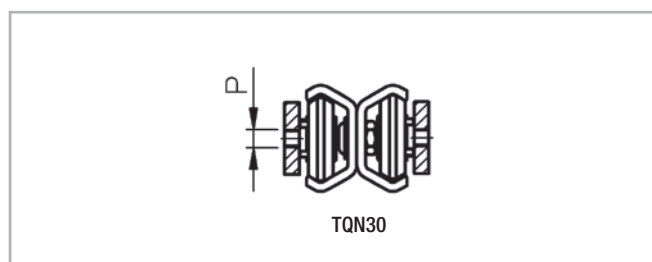


Fig. 37

Code	Size	E [mm]	F [mm]	M [mm]	T [mm]	N [mm]	P [mm]	Sliders		Z [mm]	V [mm]	S [mm]	N° fori	B [mm]	Rail Weight [kg/m]	Weight 4 sliders [Kg]
								Type	Length L [mm]							
TQN	30	29,5	40	20	4	-	M5	3RoL	92	31	30	5	2	10	1,9	0,45
	40	39,5	57,3	35	6	23	M6	3RoL	135	7,5	120	5	4	10	3,1	1,5

Tab. 15

Customized stroke

TQN slides offer the unique possibility to easily customize the actual stroke H , to individual needs by the standard products. This obtained simply by repositioning the slider distance "A" for "Fixed sliders" and "Mobile sliders", with different distance than indicated on this page. The concept is that by reducing distances the total stroke increases but the Load capacity decreases, conversely increasing the distances the total stroke is reduced, while the load capacity increases. Contact ROLLON's Technical department for load capacities according to customized stroke. For assembly: a mark on the rails identifies the fixed side. The rail must be installed with the mark facing upwards. When used in pairs, the same guide can be used as left or right rail, always keeping the mark facing upwards.

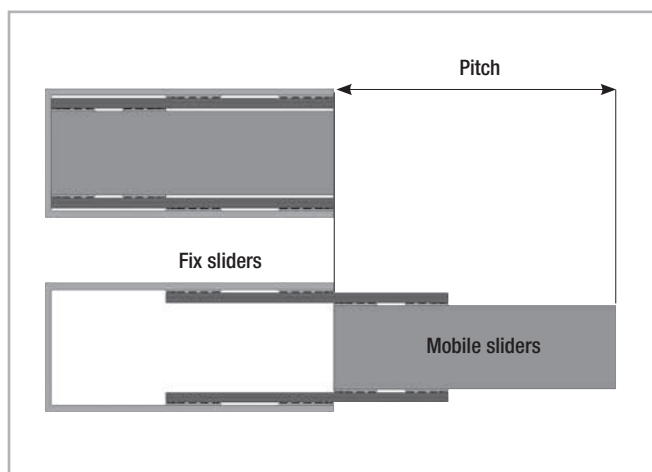


Fig. 38

4 Dimensions and load capacity

Version	Characteristics
BASIC	Roll formed steel rails with patented "ROLLON-NOX"; 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 TQN 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. 16

Code	Size	L [mm]	H [mm]	Fix & Mobile sliders			Load capacity and moments for a pair of rails					
				A [mm]	C [mm]	H1 [mm]	Dynamic coefficient C [N]	Co _{rad} [N]	Co _{ax} [N]	M _x [*] [Nm]	M _y [Nm]	M _z [Nm]
TQN	30	450	450	215	93	225	419	1234	432	8	174	246
		530	530	255	133	265	463	1362	476	8	228	326
		610	610	295	173	305	494	1324	508	8	228	406
		690	690	335	213	345	517	1190	532	8	228	472
		770	770	375	253	385	535	1080	520	8	228	472
		850	850	415	293	425	550	990	478	8	228	472
		930	930	455	333	465	562	914	440	8	228	472
		1010	1010	495	373	505	572	848	408	8	228	472
		1090	1090	535	413	545	580	790	382	8	228	472
		1170	1170	575	453	585	587	740	358	8	228	472
		1250	1250	615	493	625	593	696	336	8	228	472
		1330	1330	655	533	665	599	658	318	8	228	472
		1410	1410	695	573	705	603	624	300	8	228	472
		1490	1490	735	613	745	608	592	286	8	228	472
Slider type			All sliders type 3RoI			Tab. 17						

Tab. 17

* The value M_x refers to a single rail

Code	Size	L [mm]	H [mm]	Fix & Mobile sliders			Load capacity and moments for a pair of rails					
				A [mm]	C [mm]	H1 [mm]	Dynamic coefficient C [N]	Co _{rad} [N]	Co _{ax} [N]	M _x [*] [Nm]	M _y [Nm]	M _z [Nm]
TQN	40	610	610	295	40	305	405	2382	834	20	562	640
		690	690	335	80	345	440	2592	906	20	562	800
		770	770	375	120	385	468	2516	964	20	562	960
		850	850	415	160	425	490	2314	1008	20	562	1120
		930	930	455	200	465	508	2142	1044	20	562	1152
		1010	1010	495	240	505	522	1994	972	20	562	1152
		1090	1090	535	280	545	535	1864	910	20	562	1152
		1170	1170	575	320	585	545	1750	854	20	562	1152
		1250	1250	615	360	625	554	1650	806	20	562	1152
		1330	1330	655	400	665	562	1562	762	20	562	1152
		1410	1410	695	440	705	569	1480	722	20	562	1152
		1490	1490	735	480	745	576	1408	686	20	562	1152
		1570	1570	775	520	785	581	1342	654	20	562	1152
		1650	1650	815	560	825	586	1282	626	20	562	1152
		1730	1730	855	600	865	591	1228	600	20	562	1152
		1810	1810	895	640	905	595	1178	574	20	562	1152
		1890	1890	935	680	945	599	1132	552	20	562	1152
		1970	1970	975	720	985	602	1088	532	20	562	1152
Slider type				All sliders type 3RoI			Tab. 18					

* The value M_x refers to a single rail