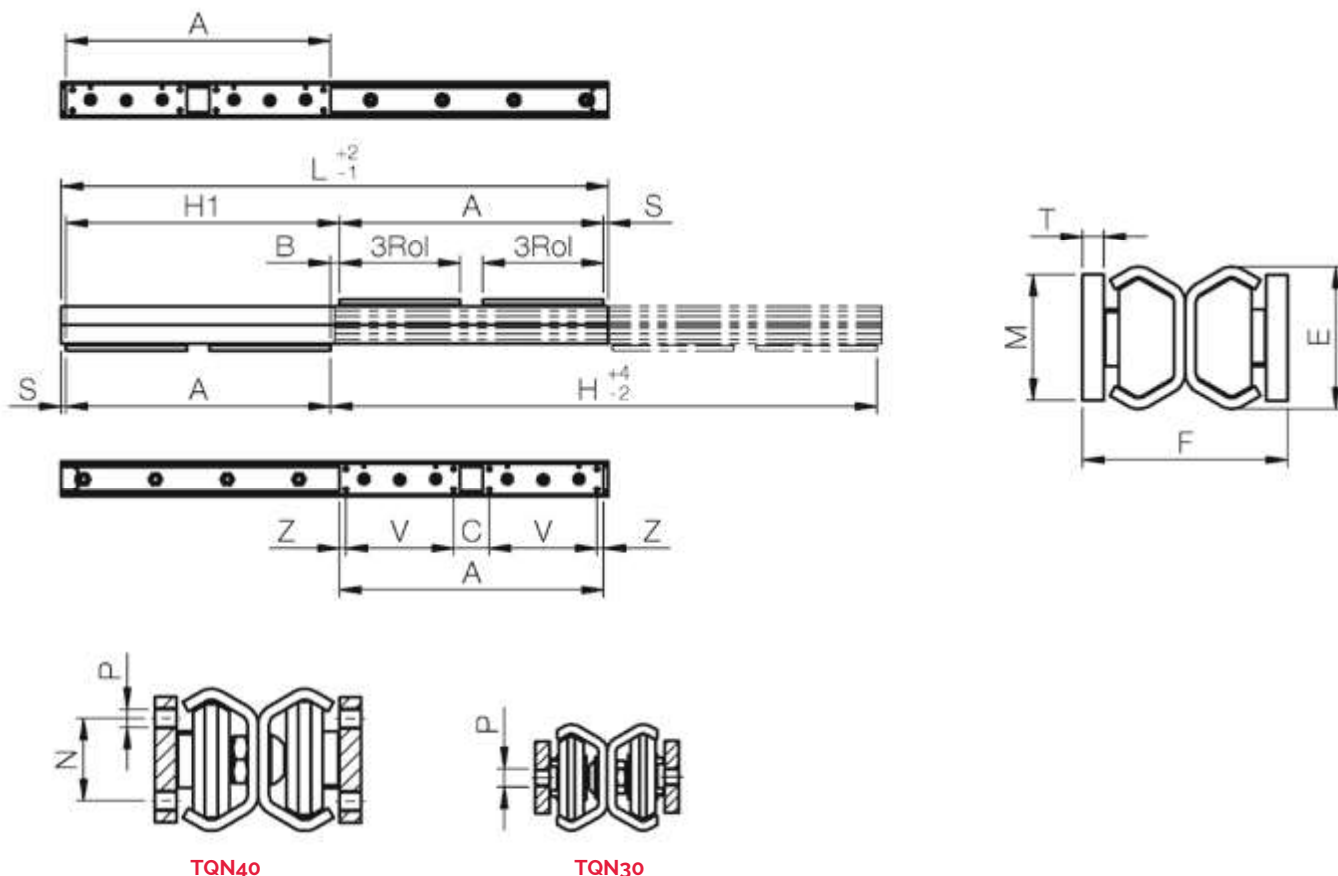


# COST EFFECTIVE ROLLER TELESCOPIC SLIDES TQN SERIES

COST EFFECTIVE

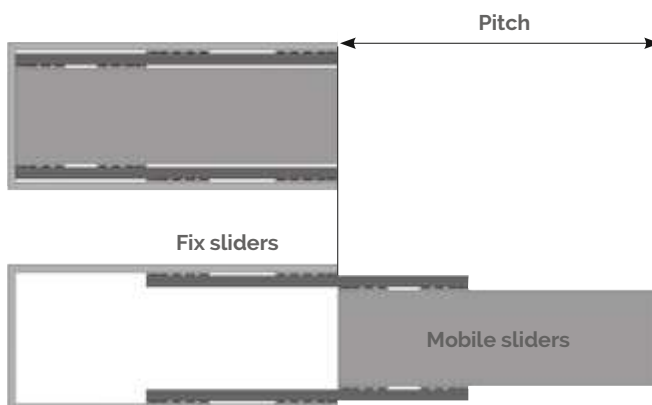


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Code	E (mm)	F (mm)	M (mm)	T (mm)	N (mm)	P (mm)	Sliders		Z (mm)	V (mm)	S (mm)	N' fori	B (mm)	Rail Weight (Kg/m)	Weight 4 sliders (Kg)
							Type	Lenght L (mm)							
TQN30	29,5	40	20	4	-	M5	3RoL	92	31	30	5	2	10	1,9	0,45
TQN40	39,5	57,3	35	6	23	M6	3RoL	135	7,5	120	5	4	10	3,1	1,5

## 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 A the total stroke increases but the Load capacity decreases, conversely increasing the distances A the total stroke is reduced, while the load capacity increases. Contact T RACE's Technical off. for load capacities according to customized stroke.



For radial loading the slide must be installed with the mark "Up-side" facing upwards. The sliders fixed to structure are marked "Fix-sliders" while the once fixed 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 loading.

ORDER CODE	VERSION	CHARACTERISTICS
<b>TQN40-1010</b>	<b>BASIC</b>	Roll formed steel rails with patented "T RACE-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.
<b>TQN40-1010-KL</b>	<b>KL</b>	As a basic TQN product but with additional black "T RACE e-coating 1.0" on the rails, for high corrosion resistance (min 700 hours resistance in salt fog). The rail has no T RACE 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.
<b>TQN40-1010-CW</b>	<b>CW o CR</b>	As a Basic version but with rails and intermediate element with additional colored treatment T RACE c-color 1.0. Upon request available PC-version, where rails and intermediate element, except raceways, are with RED or WHITE powder coating, code PCR and PCW.

Code	L (mm)	H (mm)	Fix & Mobile sliders (mm)			Capacity load					
			A (mm)	C (mm)	H1 (mm)	Dynamic coefficient C (N)	Co <sub>rad</sub> (N)	Co <sub>ax</sub> (N)	M <sub>x</sub> (Nm)	M <sub>y</sub> (Nm)	M <sub>z</sub> (Nm)
TQN30-450	450	450	215	93	225	419	617	216	8	87	123
TQN30-530	530	530	255	133	265	463	681	238	8	114	163
TQN30-610	610	610	295	173	305	494	662	254	8	114	203
TQN30-690	690	690	335	213	345	517	595	266	8	114	236
TQN30-770	770	770	375	253	385	535	540	260	8	114	236
TQN30-850	850	850	415	293	425	550	495	239	8	114	236
TQN30-930	930	930	455	333	465	562	457	220	8	114	236
TQN30-1010	1010	1010	495	373	505	572	424	204	8	114	236
TQN30-1090	1090	1090	535	413	545	580	395	191	8	114	236
TQN30-1170	1170	1170	575	453	585	587	370	179	8	114	236
TQN30-1250	1250	1250	615	493	625	593	348	168	8	114	236
TQN30-1330	1330	1330	655	533	665	599	329	159	8	114	236
TQN30-1410	1410	1410	695	573	705	603	312	150	8	114	236
TQN30-1490	1490	1490	735	613	745	608	296	143	8	114	236
Slider type	All sliders type 3RoI										

Code	L (mm)	H (mm)	Fix & Mobile sliders (mm)			Capacity load					
			A (mm)	C (mm)	H1 (mm)	Dynamic coefficient C (N)	Co <sub>rad</sub> (N)	Co <sub>ax</sub> (N)	M <sub>x</sub> (Nm)	M <sub>y</sub> (Nm)	M <sub>z</sub> (Nm)
TQN40-610	610	610	295	40	305	405	1.191	417	20	281	320
TQN40-690	690	690	335	80	345	440	1.296	453	20	281	400
TQN40-770	770	770	375	120	385	468	1.258	482	20	281	480
TQN40-850	850	850	415	160	425	490	1.157	504	20	281	560
TQN40-930	930	930	455	200	465	508	1.071	522	20	281	576
TQN40-1010	1010	1010	495	240	505	522	997	486	20	281	576
TQN40-1090	1090	1090	535	280	545	535	932	455	20	281	576
TQN40-1170	1170	1170	575	320	585	545	875	427	20	281	576
TQN40-1250	1250	1250	615	360	625	554	825	403	20	281	576
TQN40-1330	1330	1330	655	400	665	562	781	381	20	281	576
TQN40-1410	1410	1410	695	440	705	569	740	361	20	281	576
TQN40-1490	1490	1490	735	480	745	576	704	343	20	281	576
TQN40-1570	1570	1570	775	520	785	581	671	327	20	281	576
TQN40-1650	1650	1650	815	560	825	586	641	313	20	281	576
TQN40-1730	1730	1730	855	600	865	591	614	300	20	281	576
TQN40-1810	1810	1810	895	640	905	595	589	287	20	281	576
TQN40-1890	1890	1890	935	680	945	599	566	276	20	281	576
TQN40-1970	1970	1970	975	720	985	602	544	266	20	281	576
Slider type	All sliders type 3RoI										

### TECHNICAL CHARACTERISTICS

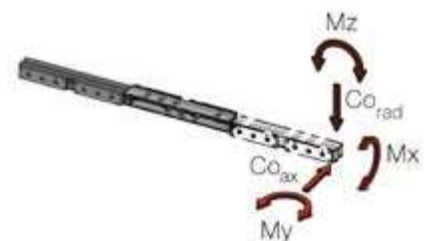
TQN roller telescopic are very compact slides with a squared cross sections. The slides offer good load capacities both axial and radial. Particular suitable for vertical applications, as more compact and less heavy weight than TLN-series.

The slide is composed by two single rails fixed together to form a H-profile as intermediate element. The same base components as for TLN slides, from Cost-effective LAN-Series; patented T RACE-NOX treatment; nitriding hardened rails with black oxidation, single row bearings, smooth play-free movement. Rubber stoppers assure silent movement of intermediate element.

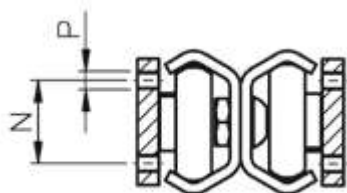
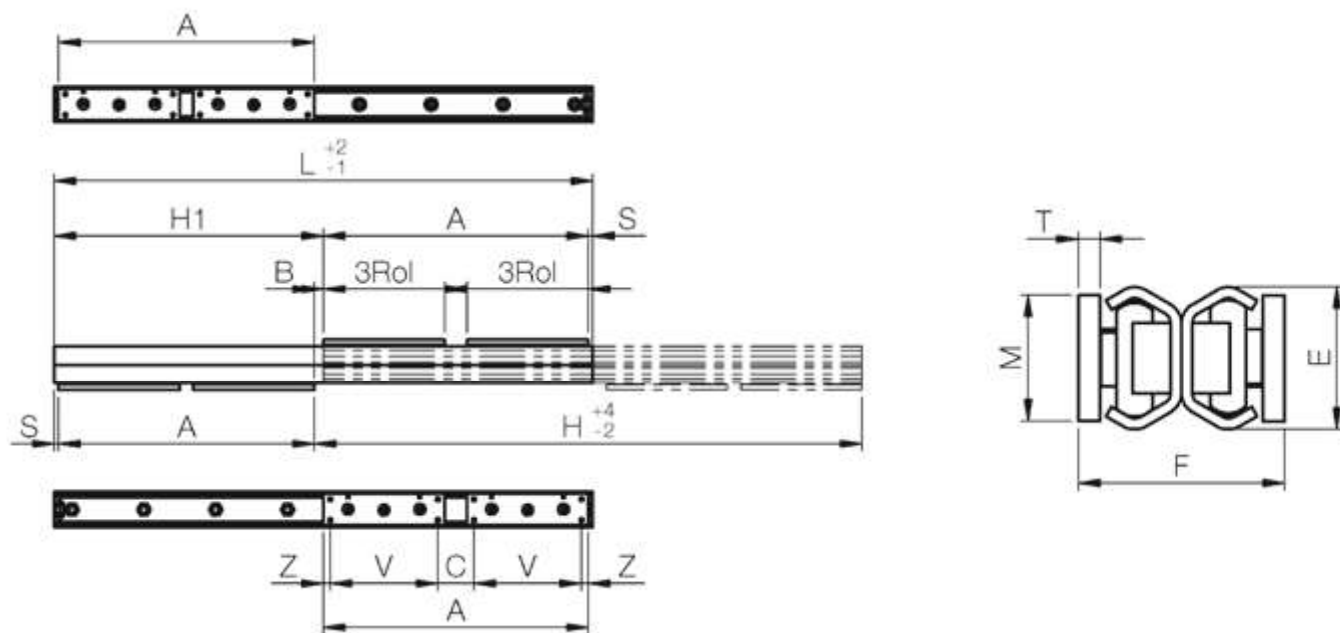
**INDUSTRIAL AUTOMATION:** TLN slides are especially indicated for high frequency application, where required long service and low maintenance. Roller telescopic are superior for motorized automation with or without variable stroke-cycles, to eliminate the typical problem of ball-cage creeping, that subsequently can cause serious motor jamming-problems, when much extra motor power is instantly required to re-position the ball-cage.

The materials and surface treatments assure a general high standard of corrosion resistance. With additional black electro coating, KB-version, the TQN slide becomes suitable for outdoor applications or very humid ambient.

Load Co rad/ax refers to single slide.



# COST EFFECTIVE ROLLER TELESCOPIC SLIDES TQAX SERIES "INOX"



**TQAX40**

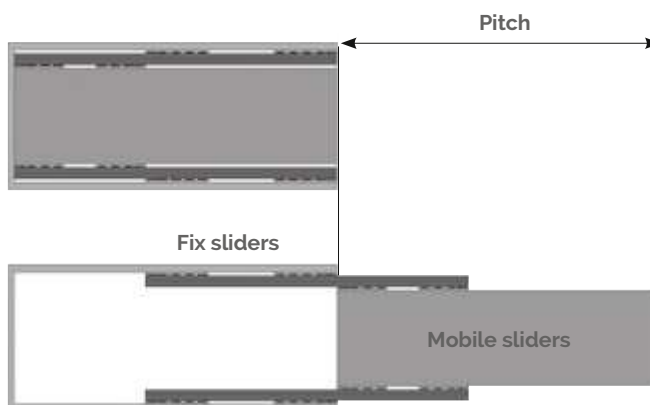


**TQAX26**

Code	E (mm)	F (mm)	M (mm)	T (mm)	N (mm)	P (mm)	Sliders		Z (mm)	V (mm)	S (mm)	N' holes	B (mm)	Rail weight (Kg/m)	Weight 4 sliders (Kg)
							Type	Length (mm)							
TQAX26	26	44	25	4	-	M5	3Rol	80	25	30	14	2	28	1,6	0,4
TQAX40	39,5	57,3	35	6	23	M6	3Rol	135	7,5	120	0	4	0	3,1	1,5

## CUSTOMIZED STROKE

TQAX slides offer the unique possibility to easily customize the actual stroke H, to individual needs by the standard products. This is obtained simply by repositioning the slider distance "A" for "Fixed sliders" and "Mobile sliders", with a different distance than indicated on this page. The concept is that by reducing distances A the total stroke increases but the Load capacity decreases, conversely increasing the distances A the total stroke is reduced, while the load capacity increases. Contact T RACE's Technical office for load capacities according to customized stroke.



For radial loading the slide must be installed with the mark "Up-side" facing upwards. The sliders fixed to structure are marked "Fix-sliders" while the once fixed 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 loading.

ORDER CODE	VERSION	CHARACTERISTICS
<b>TQAX40-1000</b>	<b>BASIC</b>	Roll formed inox rails in AISI304 . Rollers in hardened AISI440C .
<b>TQAX40-1000-P</b>	<b>P</b>	As Basic version, but rails and intermediate S-element completely Electro-Polished for very high corrosion resistance, 1000hours in salt fog. The Electro Polishing also gives the product a very shiny surface.

Code	L (mm)	H (mm)	Fix & Mobile sliders (mm)			Capacity load				
			A (mm)	C (mm)	H1 (mm)	Co <sub>rad</sub> (N)	Co <sub>ax</sub> (N)	M <sub>x</sub> (Nm)	M <sub>y</sub> (Nm)	M <sub>z</sub> (Nm)
TQAX26-400	400	400	172	62	200	418	146	6	49	72
TQAX26-450	450	450	197	87	225	466	163	6	62	92
TQAX26-500	500	500	222	112	250	504	176	6	76	112
TQAX26-550	550	550	247	137	275	478	187	6	85	132
TQAX26-600	600	600	272	162	300	445	195	6	85	152
TQAX26-650	650	650	297	187	325	415	203	6	85	158
TQAX26-700	700	700	322	212	350	390	209	6	85	158
TQAX26-750	750	750	347	237	375	367	197	6	85	158
TQAX26-800	800	800	372	262	400	347	186	6	85	158
TQAX26-850	850	850	397	287	425	329	176	6	85	158
TQAX26-900	900	900	422	312	450	313	167	6	85	158
TQAX26-950	950	950	447	337	475	298	159	6	85	158
TQAX26-1000	1000	1000	472	362	500	284	152	6	85	158
TQAX26-1100	1100	1100	522	412	550	261	140	6	85	158
TQAX26-1200	1200	1200	572	462	600	241	129	6	85	158
Slider type	All sliders type <b>3Rol</b>									

Code	L (mm)	H (mm)	Fix & Mobile sliders (mm)			Capacity load				
			A (mm)	C (mm)	H1 (mm)	Co <sub>rad</sub> (N)	Co <sub>ax</sub> (N)	M <sub>x</sub> (Nm)	M <sub>y</sub> (Nm)	M <sub>z</sub> (Nm)
TQAX40-600	600	600	300	45	300	989	346	18	234	263
TQAX40-650	650	650	325	70	325	1.041	364	18	234	303
TQAX40-700	700	700	350	95	350	1.085	380	18	234	343
TQAX40-750	750	750	375	120	375	1.084	393	18	234	383
TQAX40-800	800	800	400	145	400	1.026	404	18	234	423
TQAX40-850	850	850	425	170	425	974	414	18	234	463
TQAX40-900	900	900	450	195	450	927	423	18	234	480
TQAX40-950	950	950	475	220	475	884	430	18	234	480
TQAX40-1000	1000	1000	500	245	500	845	412	18	234	480
TQAX40-1100	1100	1100	550	295	550	777	379	18	234	480
TQAX40-1200	1200	1200	600	345	600	719	351	18	234	480
TQAX40-1300	1300	1300	650	395	650	669	326	18	234	480
TQAX40-1400	1400	1400	700	445	700	625	305	18	234	480
TQAX40-1500	1500	1500	750	495	750	587	286	18	234	480
TQAX40-1600	1600	1600	800	545	800	553	270	18	234	480
Slider type	All sliders type <b>3Rol</b>									

### TECHNICAL CHARACTERISTICS

**TQAX roller** telescopic are very compact and are manufactured from complete INOX slides with a square cross section. The slides offer good load capacities both axial and radial. Particularly suitable for vertical applications, as more a compact and less heavy weight item than the TLN-series.

The slide is composed by two single rails fixed together to form a H-profile as intermediate element. The same base components as for TLAX, from the Cost-effective LAX-Series; AISI 304 rails and single row bearings in hardened AISI 440 with 2RS seals and lubricated for life with alimentary and low temperature grease, for smooth play-free movement. Rubber stoppers assure silent movement of the intermediate element.

These are ideal slides for use in medical, pharmaceutical, chemical, alimentary industries, or in high corrosive ambient atmospheres such as marine equipment.

For very severe ambient conditions, rails can be supplied in **P-version**, with **Electro Polishing** with a high glossy finish, which provides a much improved corrosion resistance compared to the standard version, assuring min. 1000 hours in salt fog test.

Load Co rad/ax refers to a single slide

For special server ambient TQAX can too be supplied in P-version, with Electro Polishing with high glossy finish, which provide a much improved corrosion resistance compared to standard version, assuring min. 1000hours in salt fog test.

