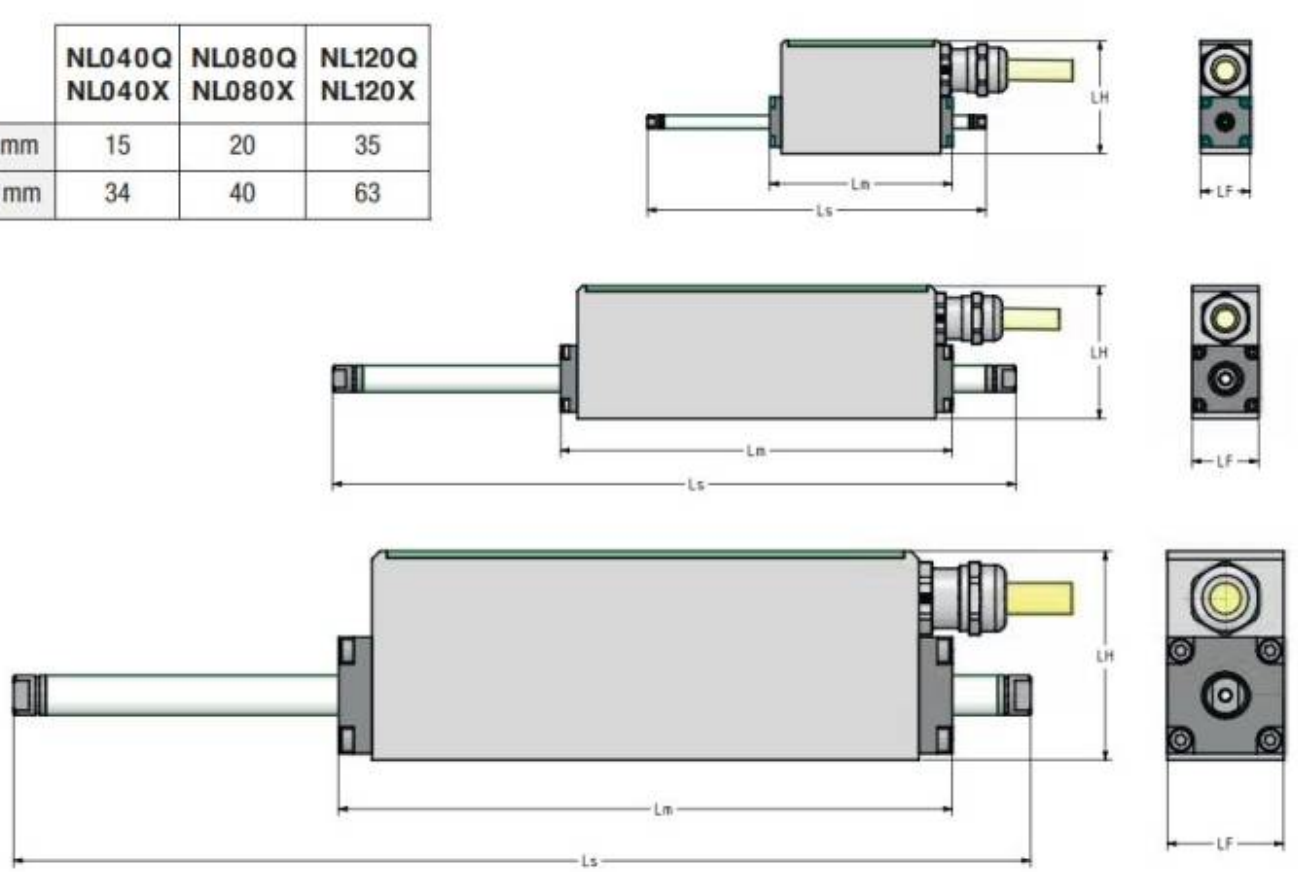
Dimensional details

	NL040Q NL040X	NL080Q NL080X	NL120Q NL120X
LF mm	15	20	35
LH mm	34	40	63



DIMENSION	DESCRIPTION	NL040Q	NL040X	NL080Q	NL080X	NL120Q	NL120X	UNIT
LM	Motor length	55	86	118	137	185	305	mm

Stroke value in respect to slider codes / lengths

NL120Q/X

Slider code	Slider Weight [Kg]	Total slider Length [mm]	Usable slider length [mm]	Stroke with NL120Q [mm]	Stroke with NL120X [mm]
NL120-G245	0.163	245	229	44	-
NL120-G275	0.185	275	259	74	-
NL120-G305	0.208	305	289	104	-
NL120-G335	0.231	335	319	134	14
NL120-G365	0.254	365	349	164	44
NL120-G395	0.277	395	379	194	74
NL120-G425	0.299	425	409	224	104
NL120-G455	0.322	455	439	254	134
NL120-G485	0.345	485	469	284	164
NL120-G515	0.368	515	499	314	194
NL120-G545	0,391	545	529	344	224
NL120-G575	0,411	575	559	374	254

NL120-G605	0,432	605	589	404	284
NL120-G635	0,454	635	619	434	314
NL120-G665	0,475	665	649	464	344
NL120-G695	0,497	695	679	494	374
NL120-G725	0,518	725	709	524	404
NL120-G755	0,539	755	739	554	434
NL120-G785	0,561	785	769	584	464
NL120-G815	0,582	815	799	614	494
NL120-G845	0.604	845	829	644	524
NL120-G875	0.625	875	859	674	554
NL120-G905	0.647	905	889	704	584
NL120-G935	0.668	935	919	734	614
NL120-G965	0.69	965	949	764	644
NL120-G995	0,711	995	979	794	674
NL120-G1025	0,732	1025	1009	824	704
NL120-G1055	0,754	1055	1039	854	734

NL080QX

Slider code	Slider Weight [Kg]	Total slider Length [mm]	Usable slider length [mm]	Stroke with NL080Q [mm]	Stroke with NL080X [mm]
NL080-G151	0,053	151	137	19	-
NL080-G181	0,063	181	167	49	30
NL080-G211	0,074	211	197	79	60
NL080-G241	0,084	241	227	109	90
NL080-G271	0,095	271	257	139	120
NL080-G301	0.105	301	287	169	150
NL080-G331	0.116	331	317	199	180
NL080-G361	0.126	361	347	229	210
NL080-G391	0.137	391	377	259	240
NL080-G421	0.147	421	407	289	270
NL080-G451	0.158	451	437	319	300
NL080-G481	0.168	481	467	349	330
NL080-G511	0.179	511	497	379	360
NL080-G541	0.189	541	527	409	390
NL080-G571	0,2	571	557	439	420
NL080-G601	0,21	601	587	469	450
NL080-G631	0,221	631	617	499	480
NL080-G661	0.231	661	647	529	510
NL080-G691	0,242	691	677	559	540
NL080-G721	0,252	721	707	589	570
NL080-G751	0,263	751	737	619	600
NL080-G781	0,273	781	767	649	630
NL080-G811	0,284	811	797	679	660

NL040Q/X

Slider code	Slider Weight [Kg]	Total slider Length [mm]	Usable slider length [mm]	Stroke with NL040Q [mm]	Stroke with NL040X [mm]
NL040-G74	0,007	74	66	11	-
NL040-G9	0,008	92	84	29	-
NL040-G110	0,01	110	102	47	11
NL040-G128	0,012	128	120	65	29
NL040-G146	0,013	146	138	83	47
NL040-G164	0,015	164	156	101	65
NL040-G182	0,016	182	174	119	83
NL040-G200	0,018	200	192	137	101
NL040-G218	0,02	218	210	155	119
NL040-G236	0,021	236	228	173	137
NL040-G254	0,023	254	246	191	155
NL040-G272	0,024	272	264	209	173
NL040-G290	0,026	290	282	227	191
NL040-G308	0,028	308	300	245	209
NL040-G326	0,029	326	318	263	227
NL040-G344	0,031	344	336	281	245
NL040-G362	0,033	362	354	299	263
NL040-G380	0,034	380	372	317	281
NL040-G398	0,036	398	390	335	299
NL040-G416	0,037	416	408	353	317
NL040-G434	0,039	434	426	371	335
NL040-G452	0,041	452	444	389	353
NL040-G470	0,042	470	462	407	371
NL040-G488	0,044	488	480	425	389
NL040-G506	0,046	506	498	443	407

From:
https://dokuwiki.nilab.at/ - **NiLAB GmbH Knowledgebase**

Permanent link:
https://dokuwiki.nilab.at/doku.php?id=en:miniature_motors:dimensional_details

Last update: **2026/09/11 07:57**