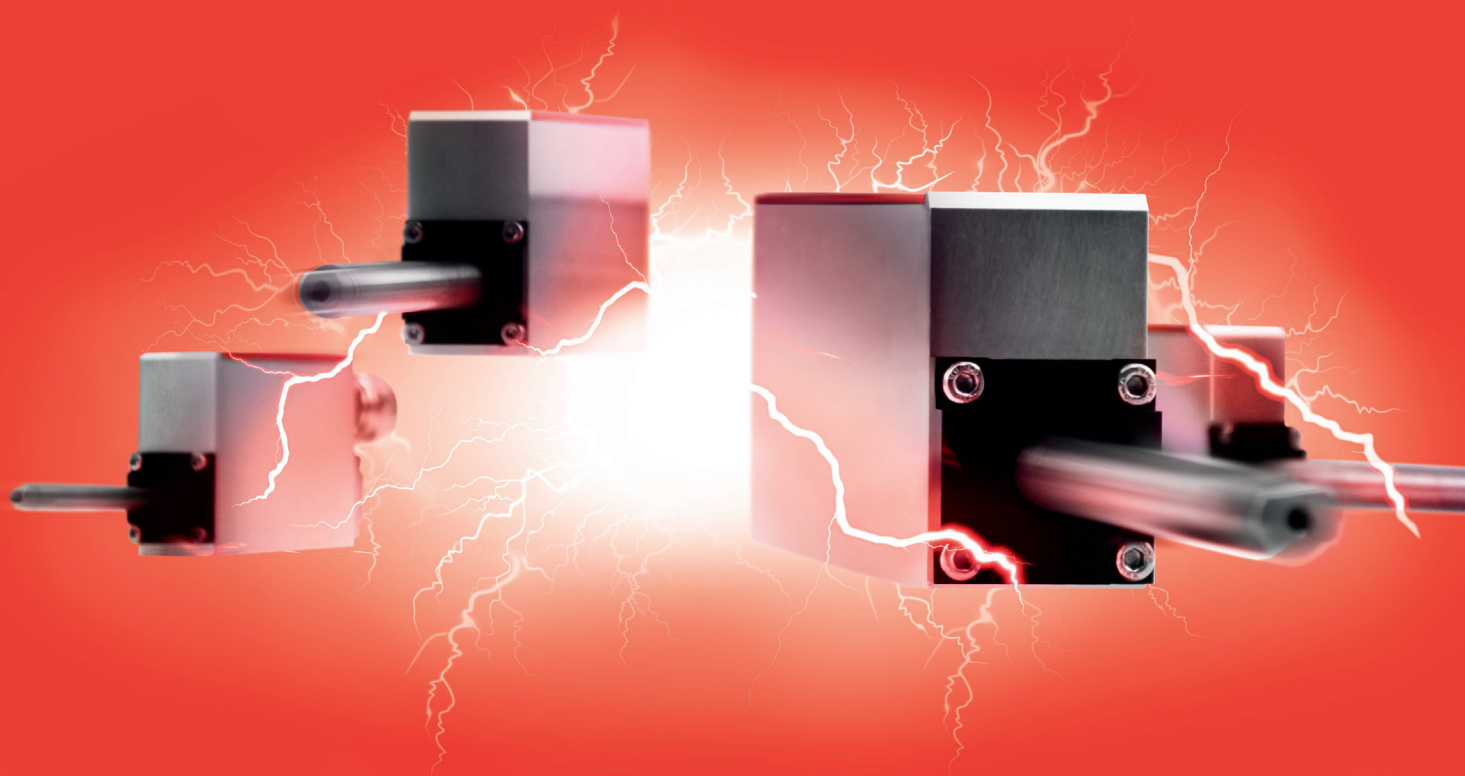
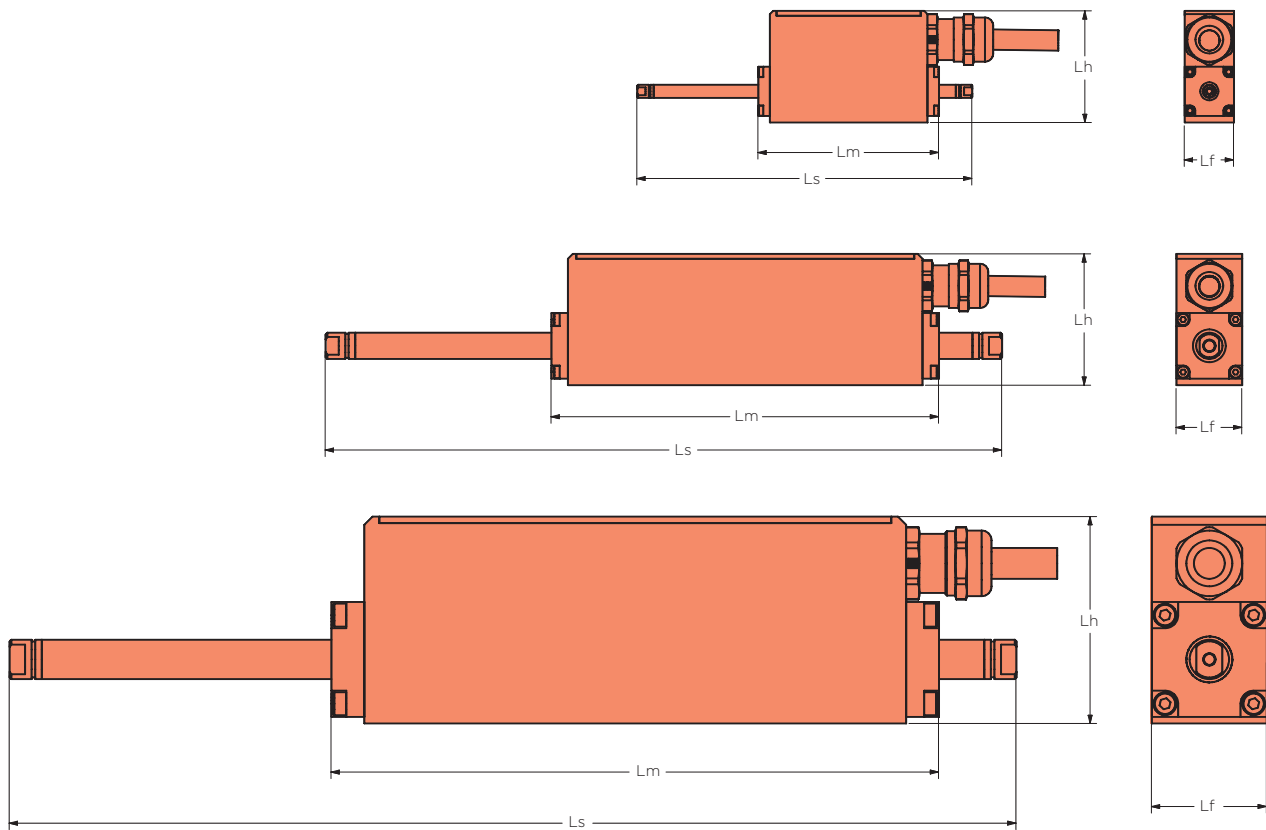


ACTUATORS



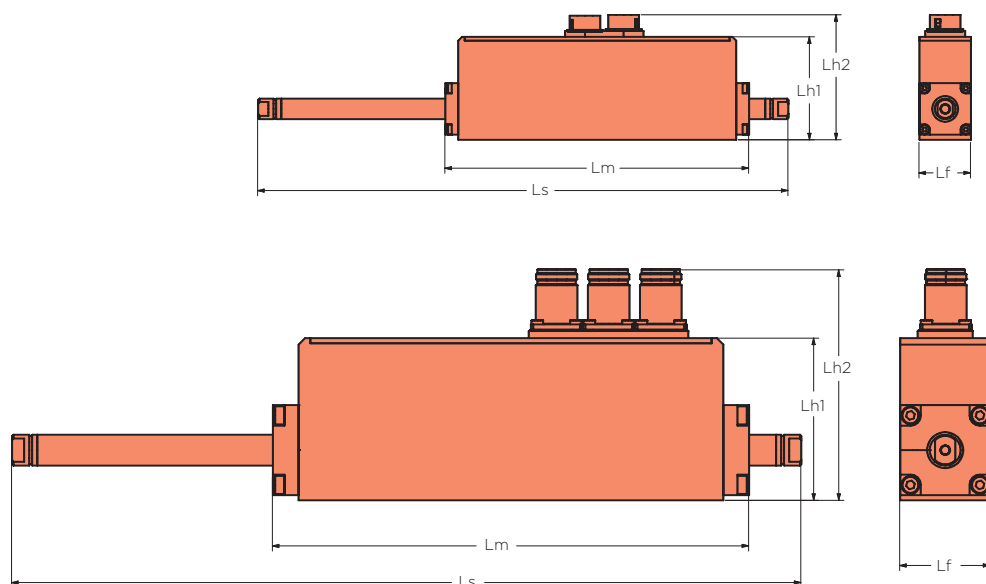
ACTUATORS



Values	Unit	SVTL A-11-04055	SVTL A-11-04091	SVTL A-11-08118	SVTL A-11-08178	SVTL A-11-12185	SVTL A-11-12305
Rated Force	N	0,64	1,08	5,44	9,8	21	38
Peak Force	N	4,16	7,02	35,36	63,7	138	249
Forcer length [Lm]	mm	55	91	118	178	185	305
Rod length w/o stop [Ls]	mm	55 + stroke	91 + stroke	118 + stroke	178 + stroke	185 + stroke	305 + stroke
Rod weight	g/mm	0,09	0,09	0,35	0,35	0,77	0,77
Rod diameter	mm	4	4	8	8	12	12
Flange (Lf)	mm	15	15	20	20	35	35
Height (Lh)	mm	34	34	40	40	63	63
Pole pitch	mm	18	18	30	30	60	60
Force constant	N/A	2,00	2,00	4,00	4,00	12	12
Rated Current	A	0,32	0,54	1,36	2,448	1,77	3,186
Back EMF	Vrms/m/s	1,155	1,155	2,309	2,312	6,928	6,928
Phase resistance	ohm	15,7	7,85	9,72	4,86	5,96	2,98
Phase inductance	mH	1,2	0,6	1,2	0,6	3,02	1,51
Position repeatability	mm	0,009	0,009	0,015	0,015	0,029	0,029

ACTUATORS

WITH INTEGRATED DRIVE



Values	Unit	SVTL C-11-08118	SVTL C-11-08178	SVTL C-11-12185	SVTL C-11-12305
Rated Force	N	5,44	9,8	21	38
Peak Force	N	35,36	63,7	138	248,508
Forcer length [Lm]	mm	118	178	185	305
Rod length w/o stop [Ls]	mm	118 + stroke	178 + stroke	185 + stroke	305 + stroke
Rod weight	g/mm	0,35	0,35	0,77	0,77
Rod diameter	mm	8	8	12	12
Flange (Lf)	mm	15	15	20	20
Height (Lh1)	mm	40	40	63	63
Height with connectors (Lh2)	mm	49	49	90	90
Pole pitch	mm	30	30	60	60
Force constant	N/A	4,00	4,00	12	12
Rated Current	A	1,36	2,448	1,77	3,186
Back EMF	Vrms/m/s	2,3094	2,3113	6,928	6,928
Phase resistance	ohm	9,72	4,86	5,96	2,98
Phase inductance	mH	1,2	0,6	3,02	1,51
Position repeatability	mm	0,015	0,015	0,029	0,029

Product code

SVTL ● - ◡◡ - ○○◇◇◇ - □□□ - ◡ - △ - ✧ - ✧✧✧

● Series Tubular Actuator [A]; Tubular Motor [B]; Tubular Actuator with IE [C]; Tubular Motor with IE [D];	◡ Connection Cable [0]; Connector [1]
◡ Configuration Complete [11]; Forcer only [10]; Rod only [01];	△ Feedback Sin Cos [T]; Sin Cos (no thermal sensor) [S]; Biss-C [A]; Incremental AB [E]
○ Rod diameter 4mm [04]; 8mm [08]; 12mm [12];	✧ Rod end Female thread [0]; Male thread [M]; Male/Male thread [N]; Female/Female thread [G]
◇ Forcer length 55mm [055]; 91mm [091]; 118mm [118]; 178mm [178]; 185mm [185]; 305mm [305]	✧ Rod through-bore Solid [0]; Hollow shaft [H];
□ Rod length ø4: 74mm [074], 92mm [092], 110mm [110], 128mm [128], 146mm [146], 164mm [164], 182mm [182], 200mm [200], 218mm [218], 236mm [236], 254mm [254], 272mm [272], 290mm [290] ø8: 151mm [151], 181mm [181], 211mm [211], 241mm [241], 271mm [271], 301mm [301], 331mm [331], 361mm [361], 391mm [391], 421mm [421], 451mm [451], 481mm [481], 511mm [511] ø12: 245mm [245], 275mm [275], 305mm [305], 335mm [335], 365mm [365], 395mm [395], 425mm [425], 455mm [455], 485mm [485], 515mm [515], 545mm	★ Customization

Notes

HEADQUARTERS - ITALY



Servotecnica S.p.A.
Via E. Majorana, 4
20834 Nova Milanese (MB) - Italy
+39 03624921
info@servotecnica.com | www.servotecnica.com

GERMANY



Servotecnica G.m.b.H.
Kelsterbacher Strasse, 20
65479 Raunheim - Deutschland
+49 6142-7936039
info@servotecnica.de | www.servotecnica.de

Your local contact