

FFI Actuators for Automation Overview Chart

This chart is for general comparison and reference. See FFI Data Sheets for part numbers, details, & recommendations before choosing actuators.

Chain Actuator Models	Case Dimensions (l x h x d in mm)	SST Chain	Voltage (average)	Force (max push/pull)	UL recognized	CE cert.	SHE cert.	Open/Close Signal Available	Installation Adjustment	Chain Stroke Range in mm	Warranty	Cost
EM, FM & LM Series												
EM 189-258 (DC)	(544-1011) x 40 x 40	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	open/close	Auto	189 - 258	2 year	\$
EM 327-810 (DC)	(544-1011) x 40 x 40	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	open/close	Auto	327 - 810	2 year	\$\$
EM Tandem (DC)	(636-1011) x 40 x 40	Yes	24V DC	2 x 300N (66 lb)	Yes	Yes	Yes	open/close	Auto	189 - 855	2 year	\$\$\$
FM 194-401 (DC)	(357-541) x 70 x 56.5	Yes	24V DC	450N (100 lb)	–	Yes	Yes	closed	Manual	194 - 401	3 year	\$\$
FM 194-401 Tandem (DC)	(449-541) x 70 x 56.5	Yes	24V DC	2 x 450N (100 lb)	–	Yes	Yes	closed	Manual	194 - 401	3 year	\$\$\$\$
FM 501-800 (DC)	(643-948) x 100.5 x 66	Yes	24V DC	700N (158 lb)	Yes	Yes	Yes	closed	Manual	501 - 800	3 year	\$\$\$
FM 501-800 Tandem (DC)	(643-948) x 100.5 x 66	Yes	24V DC	2 x 700N (158 lb)	Yes	Yes	Yes	closed	Manual	501 - 800	3 year	\$\$\$\$
LM/2 (DC)	(360.5-442) x 30 x 40.8	Yes	24V DC	200N (44 lb)	Yes	Yes	Yes	n/a	Auto	120 - 500	2 year	\$
LM/2 Tandem (DC)	(360.5-442) x 30 x 40.8	Yes	24V DC	2 x 200N (44 lb)	Yes	Yes	Yes	n/a	Auto	350 - 950	2 year	\$
Quasar & Vega Series												
Quasar (DC)	676 x 32 x 47.5	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	f-signal	Auto	380 - 500	2 year	\$\$
Quasar (AC)	676 x 32 x 47.5	Yes	100-240VAC	300N (66 lb)	–	Yes	–	f-signal	Auto	380 - 500	2 year	\$\$
Quasar-Synchro (DC)	676 x 32 x 47.5	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	f-signal	Auto	380 - 500	2 year	\$\$\$\$
Quasar-Twin (DC)	1485 x 37 x 69	Yes	24V DC	600N (135 lb)	Yes	Yes	–	f-signal	Auto	380 - 500	2 year	\$\$\$\$
Quasar-L (DC)	(806-1006) x 37 x 72	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	f-signal	Auto	600 - 1000	2 year	\$\$
Quasar-L Synchro (DC)	(806-1006) x 37 x 72	Yes	24V DC	300N (66 lb)	Yes	Yes	Yes	f-signal	Auto	600 - 1000	2 year	\$\$\$
Vega (DC)	450 x 32 x 45	Yes	24V DC	250N (55 lb)	Yes	Yes	–	f-signal	Auto	300	2 year	\$
Vega (AC)	450 x 32 x 45	Yes	100-240VAC	250N (55 lb)	–	Yes	–	f-signal	Auto	300	2 year	\$\$
Vega RF/Rain (AC)	450 x 32 x 45	Yes	100-240VAC	250N (55 lb)	–	Yes	–	f-signal	Auto	300	2 year	\$\$\$
Vega-Synchro (DC)	450 x 32 x 45	Yes	24V DC	250N (55 lb)	Yes	Yes	–	f-signal	Auto	300	2 year	\$\$\$\$
Vega-Twin (DC)	996 x 37 x 69	Yes	24V DC	500N (110 lb)	Yes	Yes	–	f-signal	Auto	300	2 year	\$\$\$\$
Truth Brand motors												
Truth Marvel (AC)	362 x 33.3 x 48.5	No	100-240VAC	90 lb	Yes	Yes	–	n/a	Manual	241	1 year	\$
Truth HS (AC)	456.8 x 87 x 65.4	No	100-240VAC	160 lb	–	Yes	–	n/a	Manual	228	1 year	\$\$\$
Truth WLS (AC) (no chain)	250.8 x 50 x 55	n/a	100-240VAC	80 lb	–	Yes	–	n/a	Manual	n/a	1 year	\$\$