

ES LINEAR ACTUATOR F/A - CONFIGURATION M501

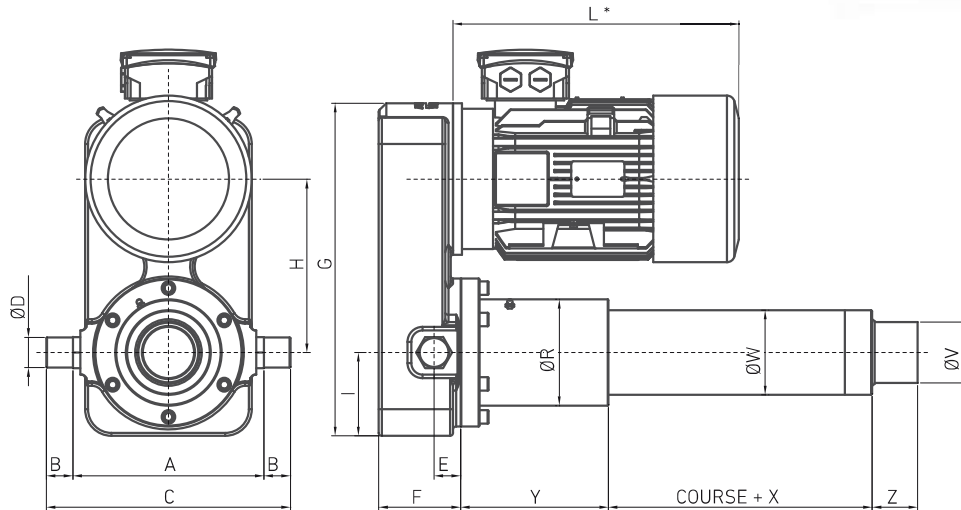
UP TO

86 kN

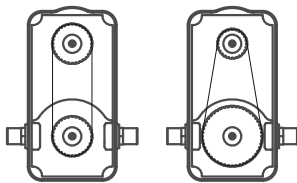


Parallel drive

There is a possibility of mounting a coaxial motoreducer into the gearbox instead of the motor, or modifying the ratio between the pulleys, with the aim of achieving the desired transmission ratio.



Standard transmission ratio



1:1

1:2

*Depends on the motor selected and the manufacturer.
For further information, please contact the NIASA technical department.

	M501 configuration dimensions									M100 configuration general dimensions						
	A	B	C	ØD f8	E	F	G	H	I	X	Y	Z	ØV	ØW	ØR	More dimensions
F16	134	15	164	15	12	45	200	100	50	84	61	36	32	40	45	Page 78
F20	148	20	188	20	15	55	250	130	60	106	100	36	35	55	66	Page 80
F30	178	25	228	25	20	65	300	160	70	124	130	37	50	75	88	Page 82
F40	227	40	307	35	30	85	356	180	90	155	150	67	70	90	110	Page 84
F45	252	40	332	40	35	108	440	230	110	175	195	65	90	115	140	Page 86
F50	336	50	436	45	40	138	560	280	150	185	300	95	110	150	196	Page 87

Maximum axial strength

	Screw diameter and pitch (mm)	Load (kN)
F16 / A16	Tr 16x4	3.5
	KGS 1605	6
F20 / A20	Tr 24x5	9.5
	KGS 2005	10.5
	KGS 2020	5.5
F30 / A30	Tr 36x6	15
	KGS 3205	21.5
	KGS 3210	23.5
	KGS 3220	12
	KGS 3240	6
F40 / A40	Tr 45x7	22
	KGS 4010	38
	KGS 4020	21.5
	KGS 4040	11
F45	Tr 50x8	47.5
	KGS 5010	78
F50	Tr 70x10	60.5
	KGS 6310	86



Standard drives

The standard drive of M501 F/A configuration linear actuators is implemented by means of Ac motors and aluminum pulleys with polyurethane toothed strap. The following table shows the powers available for each actuator size.

For another size or different type of drive, please contact NIASA. NIASA can supply other kind of motors with sensors of any type, etc.

If using ball screws, the actuator is reversible. In general, it is always advisable that the motors have brakes. In most cases, standard brakes for each motor size are sufficient. This will ensure the stem does not loose position when it stops or if there are vibrations, etc.

	MOTOR GROUP																	
	56		63		71		80		90		100		112		132		160	
	POWER (kW)																	
	A	B	A	B	A	B	A	B	A	B	A	B	A	A	B	A		
	0.06	0.09	0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11		
F16 / A16	•		•		•													
F20 / A20			•		•		•											
F30 / A30					•		•		•									
F40 / A40							•		•		•		•					
F45									•		•		•		•			
F50											•		•		•		•	

All the motors have B14 flange.

