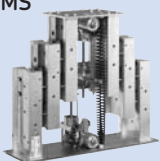
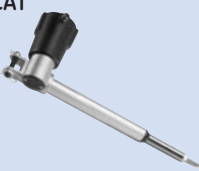


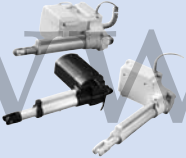
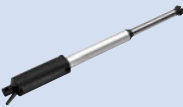
Actuator range



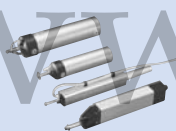
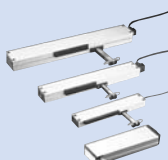
Selection guide

Telescopic pillars	Type	Max. force push	pull	Max. speed no load	full load	Stroke (S)	Features	Page
		N	N	mm/s	mm/s	mm		No.
TELEMAG 	TFG	2 500	2 500	19	15	200-400	Compact	18
	TGC	1 000	1 000	11	9	200-700	Robust	20
	THC	1 800	1 800	15	12	200-700	Robust	21
	THG	2 000	0	15	12	200-700	Robust	22
	TLC	4 000	4 000	16	11	100-700	Robust	23
	TLG	4 000	0	33	25	200-700	Robust	24
	TLT	4 000	0	42	25	300-700	Compact	25
TMS 	EASY	4 000	0	28	16	250-700	For eccentric loads	26
	MECH	4 000	0	–	–	250-700	For eccentric loads	26
TELESMART 	TMD	800	0	60	35	700	Slim & stylish	30
	TMA	1 000	0	55	35	500	Slim & stylish	31
	TXG	1 500	0	23	17	200-600	Plug & play	32
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Linear actuators	Type	Max. force push	pull	Max. speed no load	full load	Stroke (S)	Features	Page
		N	N	mm/s	mm/s	mm		No.
CAT 	CAT 33H	1 200	1 200	174	150	100-400	Flexible, modular	36
	CAT 33	3 000	3 000	48	38	100-400	Flexible, modular	38
	CAT 32B	4 000	4 000	67	50	50-700	Flexible, modular	40
	CAT 21B	600	600	10	5	50-300	Compact	44
CAP 	CAP 32	3 500	3 500	60	40	50-700	High duty factor	47
	CAP 43A	3 000	3 000	48	35	100-400	Positioning	48
	CAP 43B	4 000	4 000	65	50	50-700	Positioning	49

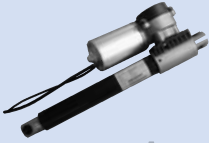
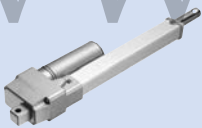
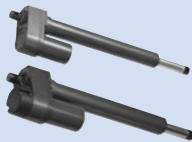
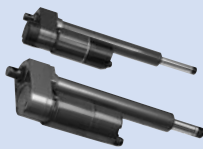
Selection guide

Linear actuators	Type	Max. force	pull	Max. speed		Stroke (S)	Features	Page
		push		no load	full load			No.
		N	N	mm/s	mm/s	mm		
CAR 	CAR 22	1 500	1 500	30	20	50-300	High duty factor	53
	CAR 32	3 500	3 500	60	40	50-700	High duty factor	54
	CAR 40	6 000	6 000	60	40	100-700	High duty factor	55
	CARN 32	3 500	3 500	N/A	N/A	50-700	No motor	56
	CCBR 32	2 500	2 500	N/A	N/A	50-700	No motor	57
MAGFORCE 	WSP	2 600	2 600	68	57	100-700	Powerful	59
	ASM	4 000	4 000	58	48	100-700	Powerful	60
	DSP	4 500	4 500	62	52	100-700	Powerful	61
	SKG	15 000	15 000	66	55	100-700	Powerful	62
	SKD	15 000	15 000	30	25	100-700	Powerful	63
	STW	15 000	15 000	14	12	100-700	Powerful	64
	STG	15 000	15 000	17	14	100-700	Powerful	65
	STD	15 000	15 000	12	10	100-700	Powerful	66
	SKS/SKA	30 000	30 000	54	45	100-700	Powerful	67
	SLS	50 000	50 000	88	74	100-700	Powerful	68
ECOMAG 	ECO	6 000	4 000	13	9	50-300	Compact	70
ILD 	ILD	20 000	20 000	200	200	100-700	Fast & controllable	72
CALA 36 	CALA 36A	600	600	23	12	50-200	In-line	74
MATRIX 	MAX1	4 000	4 000	18	13	50-700	Silent operation	77
	MAX3	8 000	6 000	18	13	50-700	Silent operation	78
	MAX6	8 000	6 000	18	15	50-700	Plug & play	79

Selection guide

Linear actuators	Type	Max. force push	pull	Max. speed no load full load		Stroke (S)	Features	Page
		N	N	mm/s	mm/s	mm		No.
	CARE 33H	800	800	45	32	50-500	Silent operation	82
	CARE 33M	1 400	1 400	22	16	50-500	Silent operation	82
	CARE 33A	2 000	2 000	12	8	50-300	Silent operation	82
	RU20	8 000	8 000	10	7	100 - 700	High push force	84
	RU21	10 000	8 000	8	5	100 - 700	High push force	84
	RU22	12 000	8 000	7	4	100 - 700	High push force	84
	RU23	8 000	8 000	14	8	100 - 700	High push force	84
	RU24	10 000	8 000	12	6	100 - 700	High push force	84
	RU25	12 000	8 000	9	5	100 - 700	High push force	84
	GC 84 TL	500	300	6	6	200-500	Silent operation	87
	GC 84 UB	400	400	8	8	210	Silent operation	88
	HC 85 UB	1 500	1 500	10	10	260	Silent operation	88
	LC 12,6 UB	3 000	3 000	30	30	310	Silent operation	89
	LC 6,6 UB	3 000	3 000	15	15	310	Silent operation	89
	CS10	200	200	37	30	105-300	Small & compact	91
	CS20	450	450	22	18	160-300	Small & compact	92
	CS31	500	500	22	19	200-400	Small & compact	93
	CS40	450	450	12	8	200-500	Small & compact	94
	CS50	1 000	1 000	24	21	300-500	Small & compact	95
	CS60	600	600	22	22	180-500	Small & compact	96
	CS70	2 000	2 000	19	14	180-500	Small & compact	97
	CC10	150	300	45	38	130-380	Small & compact	99
	CC20	200	200	17	10	200-250	Small & compact	100
	CC31	250	250	32/28	28/26	400	Small & compact	101
	CC40	350	350	18	15	280-380	Small & compact	102
	CC50	400	400	28/38	17/22	420-835	Small & compact	103
	CK	NA	NA	NA	NA	180-1000	Small & compact	104
	MD20	6 000	200	15	8	100-700	Slim & silent	110

Selection guide

Linear actuators	Type (series)	Max. force push	pull	Max. speed no load	full load	Stroke (S) standard	Features	Page
		N	N	mm/s	mm/s	mm		No.
	MD4-A1	3 000	0	6,7	3,7	100-400	EN 60.601-1	112
	MD4-A2	2 000	0	13	6,4	100-400	EN 60.601-1	112
	MD4-A3	1 200	0	25	13,4	100-400	EN 60.601-1	112
	MD4-A4	1 000	0	32	20	100-400	EN 60.601-1	112
	MD4-A5	3 000	0	8,5	5,0	100-400	EN 60.601-1	112
	MD4-A6	3 000	0	5,0	3,0	100-400	EN 60.601-1	112
	FD-A1	6 000	4 000	4,2	2,6	50-300	Silent operation	114
	FD-A2	3 000	2 000	8,2	6,2	50-300	Silent operation	114
	LD4-A1	3 000	0	6,7	3,7	100-400	Silent operation	116
	LD4-A2	2 000	0	13	6,4	100-400	Silent operation	116
	LD4-A3	1 200	0	25	13,4	100-400	Silent operation	116
	LD4-A4	1 000	0	32	20	100-400	Silent operation	116
	LD4-A5	3 000	0	8,5	5,0	100-400	Silent operation	116
	LD4-A6	3 000	0	5,0	3,0	100-400	Silent operation	116
	LD6-A1	4 000	0	7	5	100-400	Universal use	118
	LD6-A2	2 000	0	13	11	100-400	Universal use	118
	M24V-S	800	800	10,5	7,0	100-300	Compact	120
	M24V-D	500	500	20	15	100-300	Compact	120
	IMD3-05	120	120	57	45	50-300	Silent operation	122
	IMD3-10	240	240	30	24	50-300	Silent operation	122
	IMD3-20	500	500	17	13	50-300	Silent operation	122
	IMD3-30	750	750	10	9	50-300	Silent operation	122
	IMD3-40	1 000	1 000	8	6	50-300	Silent operation	122
	ID8A-10	1 500	1 500	38	25	100-600	Robust	124
	ID8A-20	2 500	2 500	20	13	100-600	Robust	124
	ID8B-05	2 300	2 300	68	35	100-600	Robust	126
	ID8B-10	3 500	3 500	37	22	100-600	Robust	126
	ID8B-20	4 500	4 500	21	13	100-600	Robust	126
	IA4A-10	1 500	1 500	29	25	100-600	Robust	128
	IA4A-20	2 300	2 300	16	14	100-600	Robust	128
	IA4B-05	2 300	2 300	57	46	100-600	Robust	130
	IA4B-10	4 500	4 500	29	25	100-600	Robust	130
	IA4B-20	6 000	6 000	15	12	100-600	Robust	130

Selection guide

Linear actuators	Type (series)	Max. force		Max. speed		Stroke (S) standard	Features	Page
		push	pull	no load	full load			No.
		N	N	mm/s	mm/s	mm		
	SJ-255	2 000	2 000	7,2	6,6	100-600	AC actuator	132
	SJ-256	2 500	2 500	6,0	5,5	100-600	AC actuator	132
	SJ-257	3 000	3 000	4,5	4,0	100-600	AC actuator	132
	SJ-355	3 000	3 000	7,2	6,6	100-600	AC actuator	132
	SJ-356	3 500	3 500	6,0	5,5	100-600	AC actuator	132
	SJ-358	4 000	4 000	4,5	4,0	100-600	AC actuator	132
	SJ-455	4 000	4 000	7,2	6,6	100-600	AC actuator	132
	SJ-456	4 500	4 500	6,0	5,5	100-600	AC actuator	132
	SJ-458	5 000	5 000	4,5	4,0	100-600	AC actuator	132

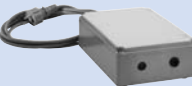
Rotary actuators	Type	Max. torque	Max. speed	Size	Features	Page
		Nm	rpm	mm		No.
	CRAB 17	70	8	125	Compact	140
	CRAB 17	105	20	125	Compact	140
CRAB 05	CRAB 05	100	3	86	Compact	142



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Control units	Type	Control	Max. motor connections	Input	Output	Page
						No.
			n°	V AC/DC	V/A	
	KOM 1	Basic functions	4	230/120	24/6	146
	KOM 2	Encoder processing	5	230/120	24/6 or 12	147
	KOM 3	Basic functions	3	230/120	24/6	148
	KOM 3T	Basic functions	2	230/120	24/9	148
	KOM 6	Encoder processing	4	230/120	24/6 or 12	149
MCU	MCU	Basic functions	2	24	24/6	150
	LD-014	Synchronous	4	230/120	24/11	151
	LD-015	Synchronous	3	230/120	24/11	151
	LD-015	Synchronous	2	230/120	24/9	151

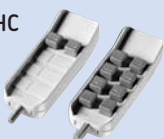
Selection guide

Control units	Type	Control	Max. motor connections	Input	Output	Page
			n°	V AC/DC	V/A	No.
SEM	SEM1	Basic functions	4	230/120	24/5	152
						
CAEN	15	Basic functions	1	230	24/15	153
	10R	Basic functions	1	230/120	24/1-10	153
						
CAEV	110/220	Basic functions	1	230/120	400/200	154
						
CAED ANR	5-24R -P 0	Encoder processing	1	22-28	24/5	154
	9-24R -P 0	Encoder processing	1	22-28	24/9	154
						
CAED	3-24R	Basic functions	1	24	24/3	155
	5-24R	Basic functions	1	24	24/5	155
	9-24R	Basic functions	1	24	24/9	155
						
CAEP	10P-SL	Basic functions	1	230	24/2-10	155
	8V	Basic functions	1	230	24/10	155
						
CAEL	10-24R	Basic functions	1	230	24/2-10	156
						
BCU	BCU	Basic functions	3	230/120	24/7	156
						

Selection guide

Control units	Type	Control	Max. motor connections	Input	Output	Page
			n°	V AC/DC	V/A	No.
	SCU	Encoder processing	6	24/120/230	24/18-30	158
	VCU	Basic functions	5	24/120/230	24/7-30	160
	CB200S CB200A	Basic functions	3	(100 - 240)*	24/3	162
		Encoder processing	1	(100 - 240)*	24/3	162
	CB300S CB300A	Basic functions	2	(100 - 240)*	24/3	163
		Encoder processing	2	(100 - 240)*	24/3	163
	CB800S CB800B CB800E	Basic functions	4	(100 - 240)*	24/6	164
		Basic functions	4	(100 - 240)*	24/6	164
		Basic functions	4	(100 - 240)*	24/6	164

* See type key for available voltage.

Hand switches	Type	Operating power	Max. operating motors	Prot. class	Colour	Page
		VDC/mA	n°	IP		No.
	EHA 1	12/50	4	67	Grey	168
	EHA 2	12/50	5	67	Grey	169
	EHA 3	12/50	4	67	Grey	170
	IHA 1	—	5	67	Black	171
	EHE 1	38/50	4	X7	Grey /black	172
	EHE 6	38/50	5	X7	Grey	173
	PHC	—	4	66	Grey	174

Selection guide

Hand switches	Type	Operating power	Max. operating motors	Protection class	Colour	Page
		VDC/mA	n°	IP		No.
	CAES 31B	30/33	1	54	Black	174
	CAES 31C	30/33	1	54	Black	174
	HS112	40/50	1	51	Black	175
	HS124	40/50	2	51	Black	175
	HS126	40/50	2	51	Black	175
	HS138	40/50	3	51	Black	175
	HS148	40/50	4	51	Black	175

Foot switches	Type	Operating power	Max. operating motors	Prot. class	Colour	Page
		VDC/mA	n°	IP		No.
	ST	12/50	3	X5	Blue/anthracite	180
	PFP	–	1	21	Grey/anthracite	182
	PFP1 PFP2	–	2	21	Grey/anthracite	182

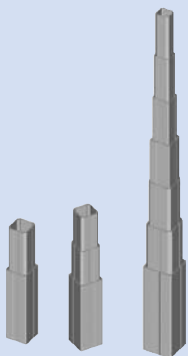
Desk switches	Type	Operating power	Max. operating motors	Prot. class	Colour	Page
		VDC/mA	n°	IP		No.
	ST	12/50	3	X0	Black	184
	LD	5/50	2	32	Black	186

Selection guide

Desk switch (pneumatic)	Type	Max. operating motors n°	Air tube	Colour	Page No.
	PAM 1-130827	1	None	Light grey	187
	PAM 1-130659	1	2,65 m coiled	Light grey	187
	PAM 1-130256	1	1,50 m straight	Anthracite	187
	PAM 1-130966	1	3,00 m straight	Anthracite	187
	PAM 1-130348	1	2,65 m coiled	Anthracite	187

Easy3	Type	Max. force push N	Max. force pull N	Max. speed no load mm/s	Max. speed full load mm/s	Stroke (S) mm	Features	Page No.
	02	600	600	23	12	50-200	In-line	190
	03	2 000	2 000	12	8	100-300	Silent operation	190
	04	2 000	2 000	12	8	100-300	Silent operation	191
	05	2 000	2 000	12	8	100-300	Silent operation	191

Guiding tubes	Type	Sections						Stroke mm	Page No.
		2	3	4	5	6	7		
FRE	FRE	x	x	x*	x*	x*	x*	200-700	192



* on request only