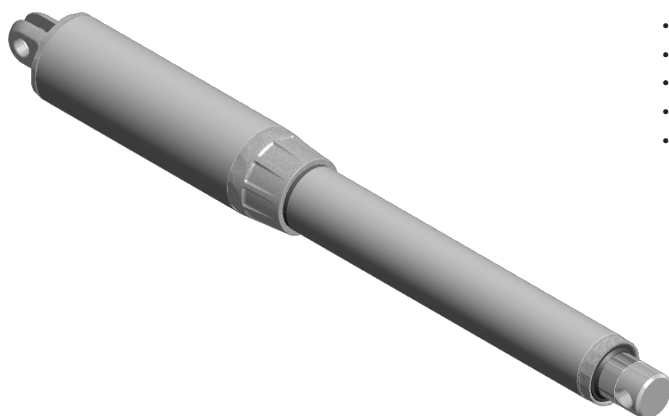


L02-Model C€

- Permanent magnet motor
- Planetary gearbox
- Acme lead screw or ballscrew (VRS)
- Chrome plated steel push rod
- Permanent grease lubrication
- IP 65, tested according to rule CEI EN 60529
- Working temperature range -10°C +60°C
- Intermittent duty (see performance charts) a 30°C*
- Limit switches on request
- Encoder on request

(*) For any special duty please contact our technical dept.



L02 (Vdc)							
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)	Motor speed (rpm)	Max Current for Fmax(A) 24Vdc	
* 280	100	M01	36	-	500	4	
* 220	60	M02	36	-	300	1,8	
* 240	40	M03	36	-	300	1,8	
	750	30	M04	36	-	150	2,8
	840	20	M05	36	-	150	2,8
	1600	10	M06	36	-	150	2,6
	2000	5	M07	36	-	80	1,7

L02 (Vdc) ballscrew							
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)	Motor speed (rpm)	Max Current for Fmax(A) 24Vdc	
* 1000	42	M01	36	-	500	4	
	1000	25	M02	36	-	300	1,7
	2000	12	M03	36	-	150	2
	2000	6	M04	36	-	80	1,2

* When speed is more than 40 mm/s and/or strokes longer than 350mm, check STROKE SETUP section.

** For 12 Vdc power supply currents are doubled and loads are 20% lower.

BEFORE OPERATING ACTUATOR MAKE SURE YOU READ AND UNDERSTOOD BASIC OPERATIONAL INSTRUCTIONS SHOWN ON USERMANUALS, AVAILABLE FROM WEBSITE.

THIS DOCUMENT DISPLAYS MOST TYPICAL STANDARD FEATURES AND SETUPS: CONTACT OUR OFFICES FOR MORE.

ACTUATOR SHALL NOT COME TO **MECHANICAL STROKE-END**, TO **AVOID FAILURES**.

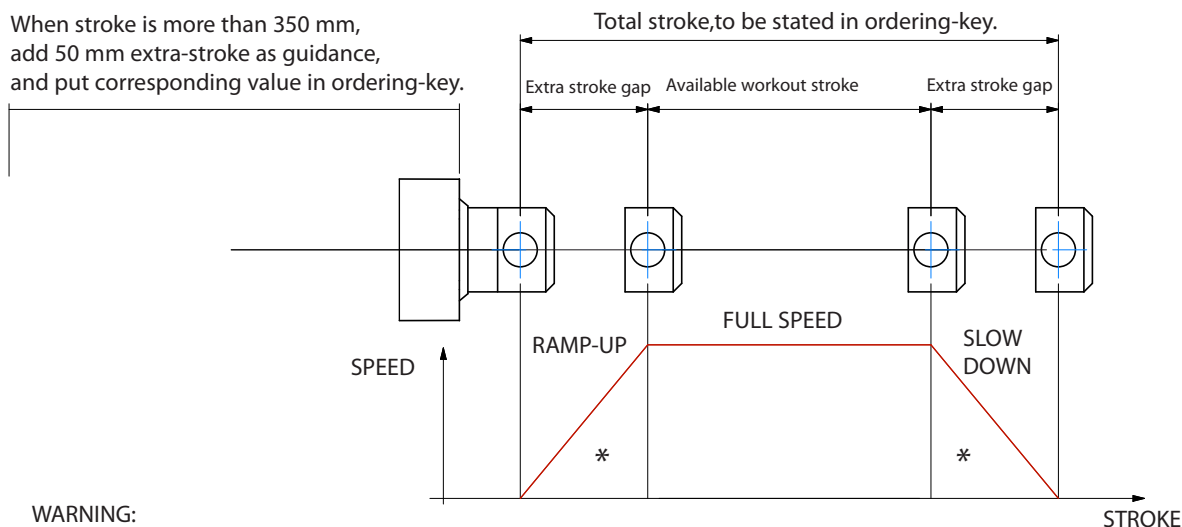
CONSIDER MECVEL'S LIMITSWITCHES (MODEL L02-F or L02-FCM) OR PUT THEM ON MACHINE/FRAME.



MecVel reserves the right to change products information and/or features without notice; all data contained in this catalogue are purely indicative and not binding for the company.

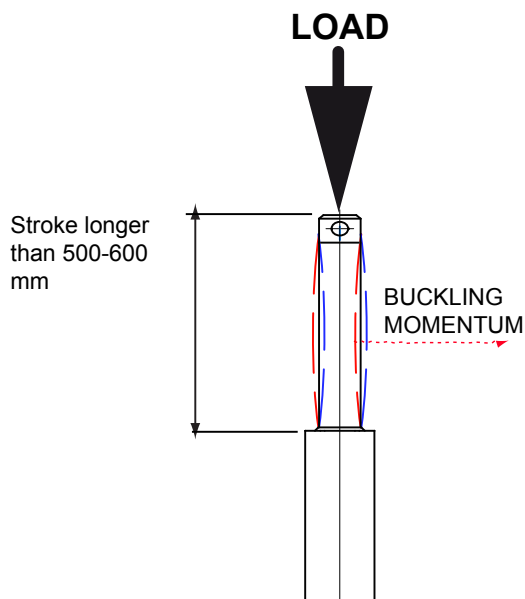
STROKE SETUP: Useful tips for handling stroke and avoid run-on-block collision.

When stroke is more than 350 mm, add 50 mm extra-stroke as guidance, and put corresponding value in ordering-key.



WARNING:
SPEED-TIMING ALONG STROKELENGTH:
 ramps are extremely important with high speed !!! Inverter or PWM drive recommended!
 * The more speed raises the more extra stroke has to raise too.

BUCKLING: When stroke is longer than 500mm, BUCKLING can be a risk: please check mounting with our offices and/or see user-manuals.



IMPORTANT:
 Long strokes, even if load is low, can generate significant buckling momentums, as sketch shows.
 This happens when actuator is in its all-opened position: that's the reason why we recommend 100 mm extra-stroke.
 Pushtube will have this 100 mm-portion always inside the overtube, improving guidance against buckling.
 For more information on this, contact our office.

