

# CASM-63

## Linear units

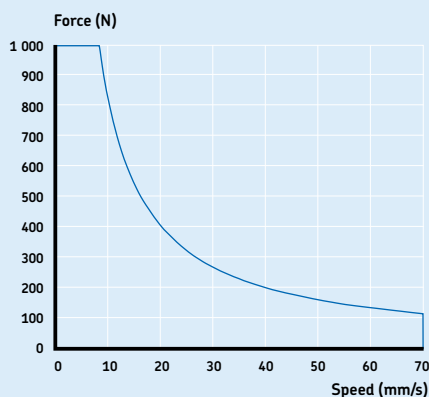


### Technical data

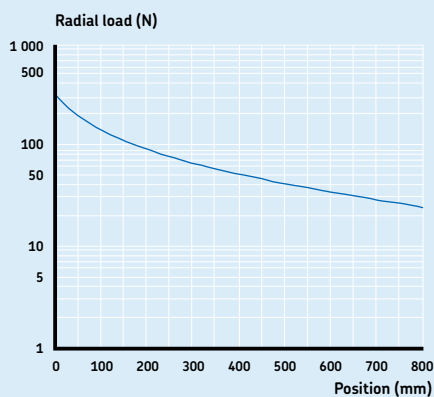
	Unit	CASM-63-LS	CASM-63-BN	CASM-63-BF
Screw type	–	Lead screw	Ball screw	Ball screw
Screw diameter	mm	20	20	20
Screw pitch	mm	4	10	20
Max. dynamic force	N	1 000	5 400	2 800
Max. static force	N	3 700	5 400	5 400
Max. speed	mm/s	70	530	1 060
Stroke	mm	100 to 800	100 to 800	100 to 800
Max. input torque*	Nm	3	11,5	11,5
Max. input RPM*	1/min	1 050	3 200	3 200
Max. acceleration	m/s <sup>2</sup>	1	6	6
Duty cycle	%	60	100	100
Lifetime L <sub>10</sub>	km	100	see chart	see chart
Repeatability (same direction and load)	mm	± 0,07	±0,01	±0,01
Operating temperature	°C	0 to +50	0 to +50	0 to +50
Humidity	%	95	95	95
Type of protection	IP	54S	54S	54S

\* Speed and torque of the motor needs to be limited

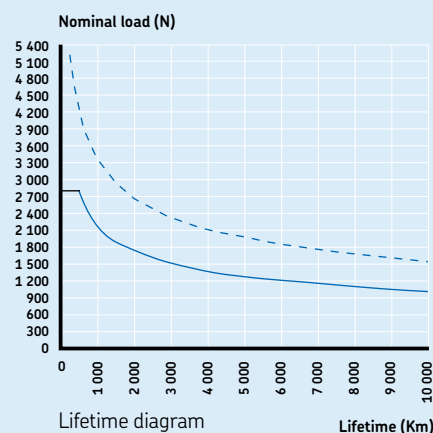
### Performance diagrams CASM-63



Speed – force diagram CASM-63-LS  
 No limitation for ball screw types (max. load at max. speed).



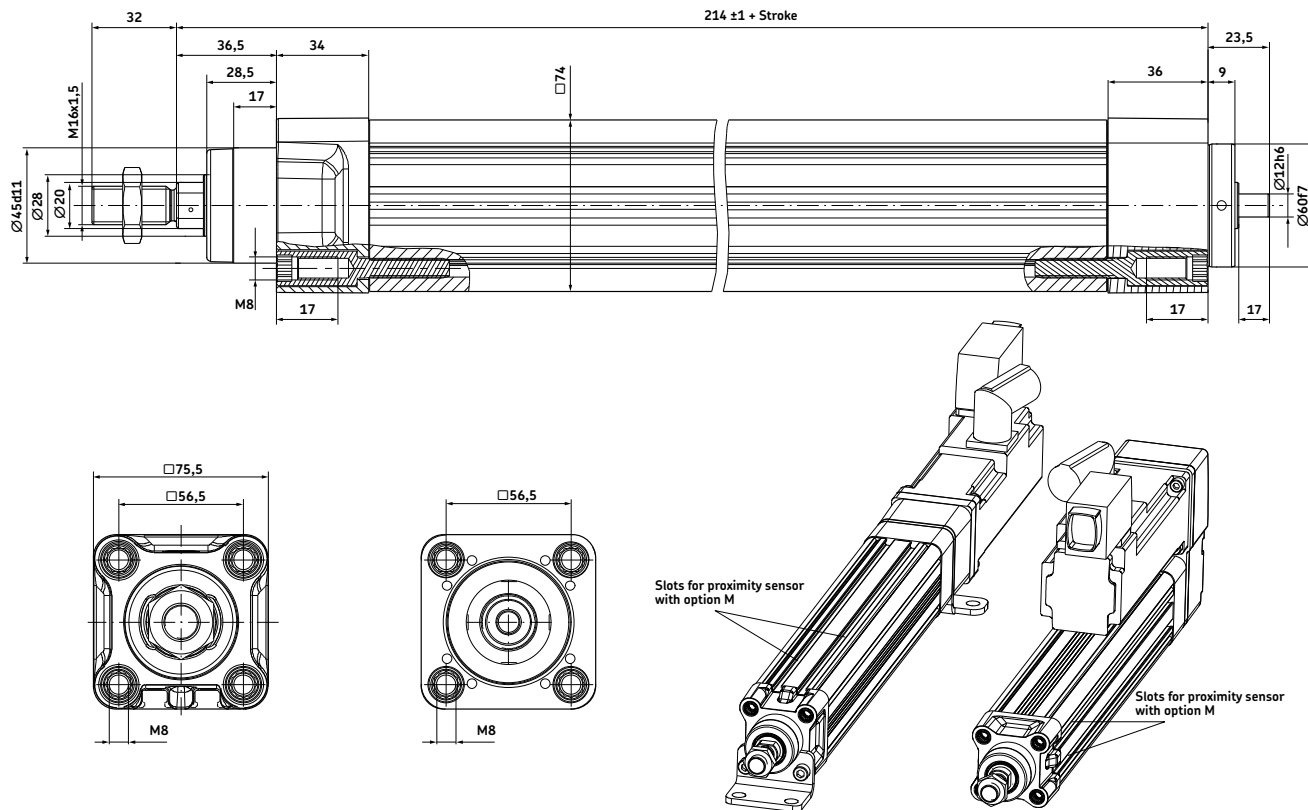
Radial load diagram  
 The radial load acts perpendicular to the moving direction.



Lifetime diagram  
 --- CASM-63-BN  
 — CASM-63-BF



Dimensional drawing



Ordering key

C A S M - 6 3 - [ ] - 0 [ ] [ ] A [ ] - 0 0 0

Type

Screw:

Lead screw 20x4 mm  
 Ball screw 20x10 mm  
 Ball screw 20x20 mm

LS  
 BN  
 BF

Stroke:

100 mm  
 200 mm  
 300 mm  
 400 mm  
 500 mm  
 600 mm  
 700 mm  
 800 mm

100  
 200  
 300  
 400  
 500  
 600  
 700  
 800

Option<sup>1)</sup>:

Motor, adapter and accessories separately delivered  
 Motor, adapter and foot mountings<sup>2)</sup> pre-mounted (see orientation of slots on above drawing)

A  
 M

1) Motor, adapter kit and accessories need to be ordered separately  
 2) Foot mountings pre-mounted on in-line version only

