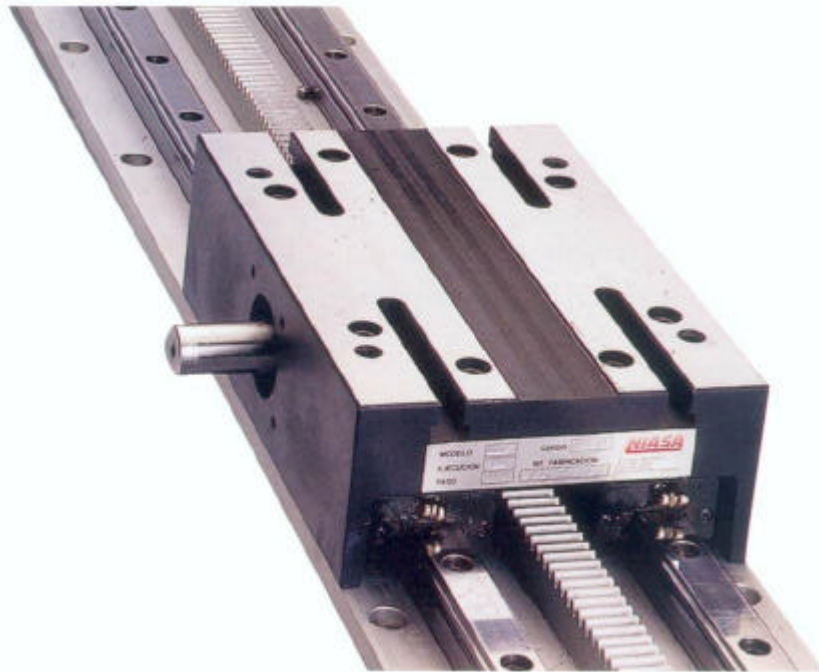


LINEAR GUIDE WITH RACK GLC



Precision's GLC rack-pinion linear guides are translation units with no travel limitation. Their simple design and great robustness transform them into very useful elements for mechanisation. They are equipped with precision ball guides designed to support heavy loads, extremely high rigidity, maximum precision and very low noise levels.

The combination of the ball guides with the rack-pinion moving system has created a compact linear translation unit with many advantages. In a hostile environment it is possible to fit bellows.

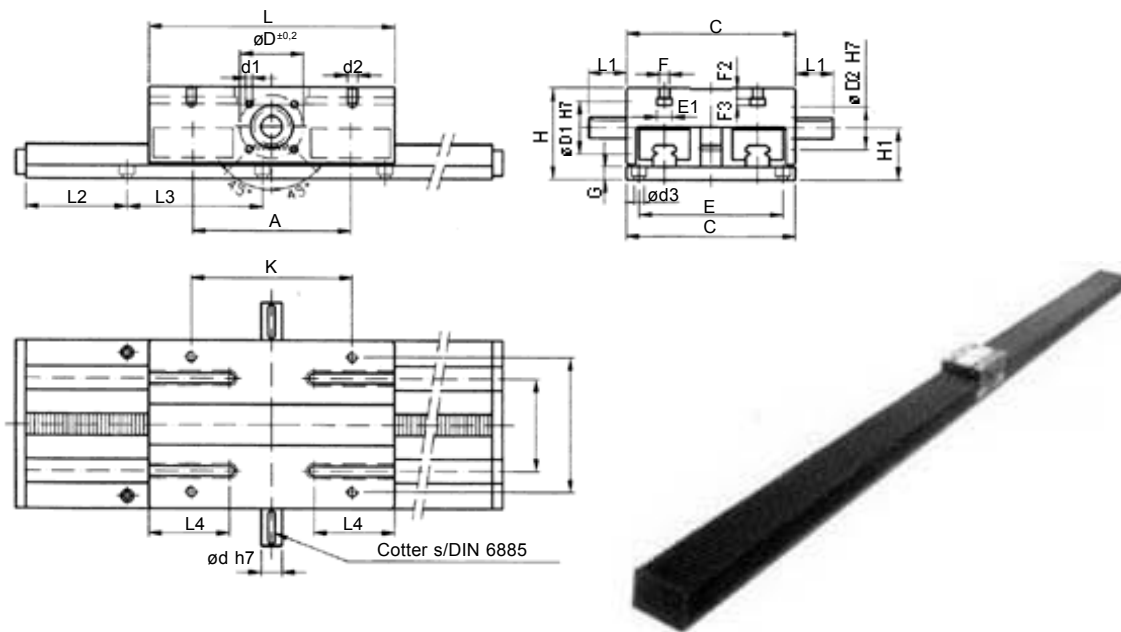
This guide is available in three standard sizes, and can be manufactured in any other length.

DESIGN EXAMPLE

Linear guide GLC, Size 10, Stroke 6.000 mm, Total length 6.220 mm, without protecting bellows, with motor mounting and coupling.

	GLC	10	6000	6220	0	MGK
Linear guide with rack and pinion						
Size 10 / 20 / 30						
Stroke						
Total length						
Bellows ²	With bellows : 1 Without bellows : 0					
Motor mounting and coupling MGK						

LINEAR GUIDE WITH RACK GLC



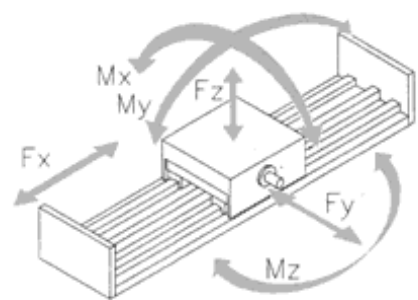
DIMENSIONS

Size	A	B	C	d	d1	d2	d3	D	D1	D2	E	F	F1	F2	F3	G
GLC10	142	68	130	20	M6	M10	9	60	47	35	110	10	16	10	8	15
GLC20	186	110	200	25	M8	M12	11	75	62	50	170	12	18	12	8	15
GLC30	290	180	310	35	M10	M16	13	112	80	90	270	14	25	14	11	25

Size	H	H1	J	K	L	L1	L2	L3	L4
GLC10	88	52	110	150	220	35	90	120	70
GLC20	108	61	160	190	290	45	120	160	95
GLC30	160	89	260	295	430	60	160	240	120

TECHNICAL DATA

Size	Fx N	Fy N	Fz N	Mx Nm	My Nm	Mz Nm	Par Trans. Nm
GLC10	1500	26000	29000	985	2000	1700	31
GLC20	2200	46000	52400	2900	4800	4200	61
GLC30	3000	92000	104000	8800	15000	13200	120



Size	Feed per revolution	Speed max.	Speed max.	Accel. max.	Table's mass		Slide	Position Precision
	mm	rpm	m/min	m/s ²	Stroke 0	Each 100		
GLC10	120	1250	150	30	11,8	1,1	9	±0,1
GLC20	150	1000	150	30	26,7	2,1	19,5	±0,1
GLC30	240	750	180	30	87	4,8	82	±0,1

² The bellows reduce the useful stroke.