

SYZAX COMPACT linear modules form the middle of the **SYZAX** range.
SYZAX COMPACT modules offer the same forces as the **SYZAX HEAVY** and are available in 6 versions of carriages and performance.

DYNAMIC : ideal for «Pick & Place» cycles below the second.

RIGID : high tolerance to off-center loads.

COMPACT : the best in its class for a given range of performances.

MODULAR : easy mechanical and electrical integration, compatible with a wide range of market drives.

Electromechanical Data

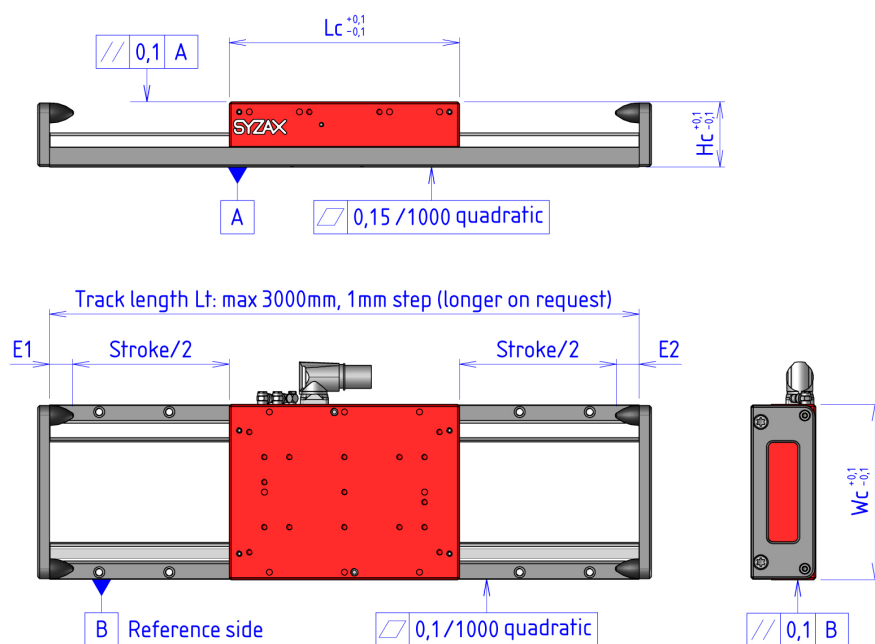
Carriage type	Unit	C1	C2	C3	C4	C5	C6
Peak force	N	450	675	900	1125	1350	1800
Continuous force	N	210	315	420	525	630	840
Maximum speed	m/s	3.5	2.5	3.5	3.5	3.5	3.5

Guidance Features

Carriage type	Unit	C1	C2	C3	C4	C5	C6
Load rating Fy	N	7350	7350	7350	7350	7350	7350
Load rating Fz	N	24500	24500	24500	24500	24500	24500
Moment rating Mx	Nm	1040	1040	1040	1040	1040	1040
Moment rating My	Nm	1270	1270	1690	1950	2340	3460
Moment rating Mz	Nm	710	710	860	960	1110	1570

SYZAX COMPACT is available with 3 different types of encoders:

Encoders	Standard	High performance	Ultra high performance
Resolution	1 μ m	0.25 μ m	0.1 μ m
Short range accuracy	$\pm 10 \mu$ m/10 mm	$\pm 2 \mu$ m/mm	$\pm 0.5 \mu$ m/mm
Accuracy before compensation	$\pm 40 \mu$ m/m	$\pm 50 \mu$ m/m	$\pm 20 \mu$ m/m
Accuracy after compensation	$\pm 20 \mu$ m/m	$\pm 10 \mu$ m/m	$\pm 3 \mu$ m/m



The maximum length of the module is 3 meters. The stroke selection is free, modulo 1 mm.

The effective stroke corresponds to the track length minus the carriage length and the thickness of the 2 end stops (standard stops E1 = E2 = 24 mm).



Dimensions SYZAX COMPACT

Carriage Type	Unit	C1	C2	C3	C4	C5	C6
Carriage Length Lc	mm	230	230	280	326	372	504
Carriage Width Wc	mm	175	175	175	175	175	175
Carriage Height Hc	mm	65	65	65	65	65	65

Other standard features

- Liquid cooling circuit
- Over/under pressure circuit
- 3-point lubrication

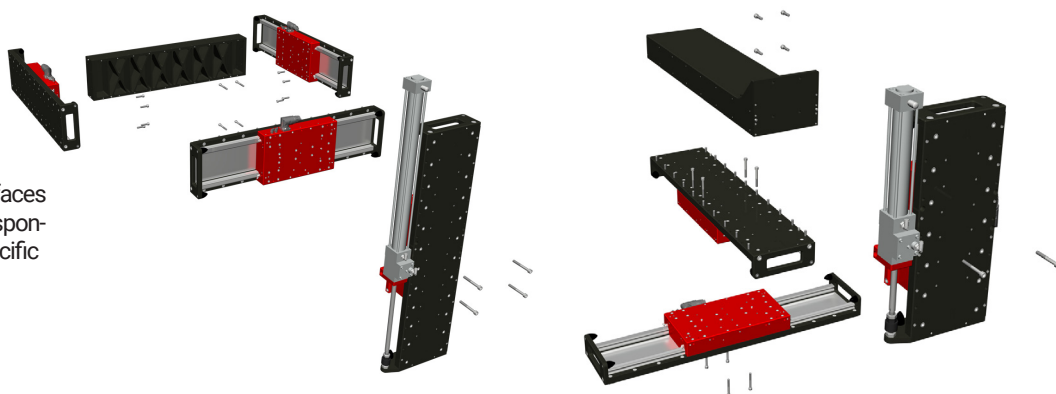
Available Options



- Protective bellows
- Pneumatic weight compensation
- Mechanical brake
- UL® certified motor

Multiple and easy modules combinations

The modules have native interfaces to build cartesian robots corresponding to the actual needs of specific targeted applications.



Direct marketing in:

- France
- Belgium

OPUS

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