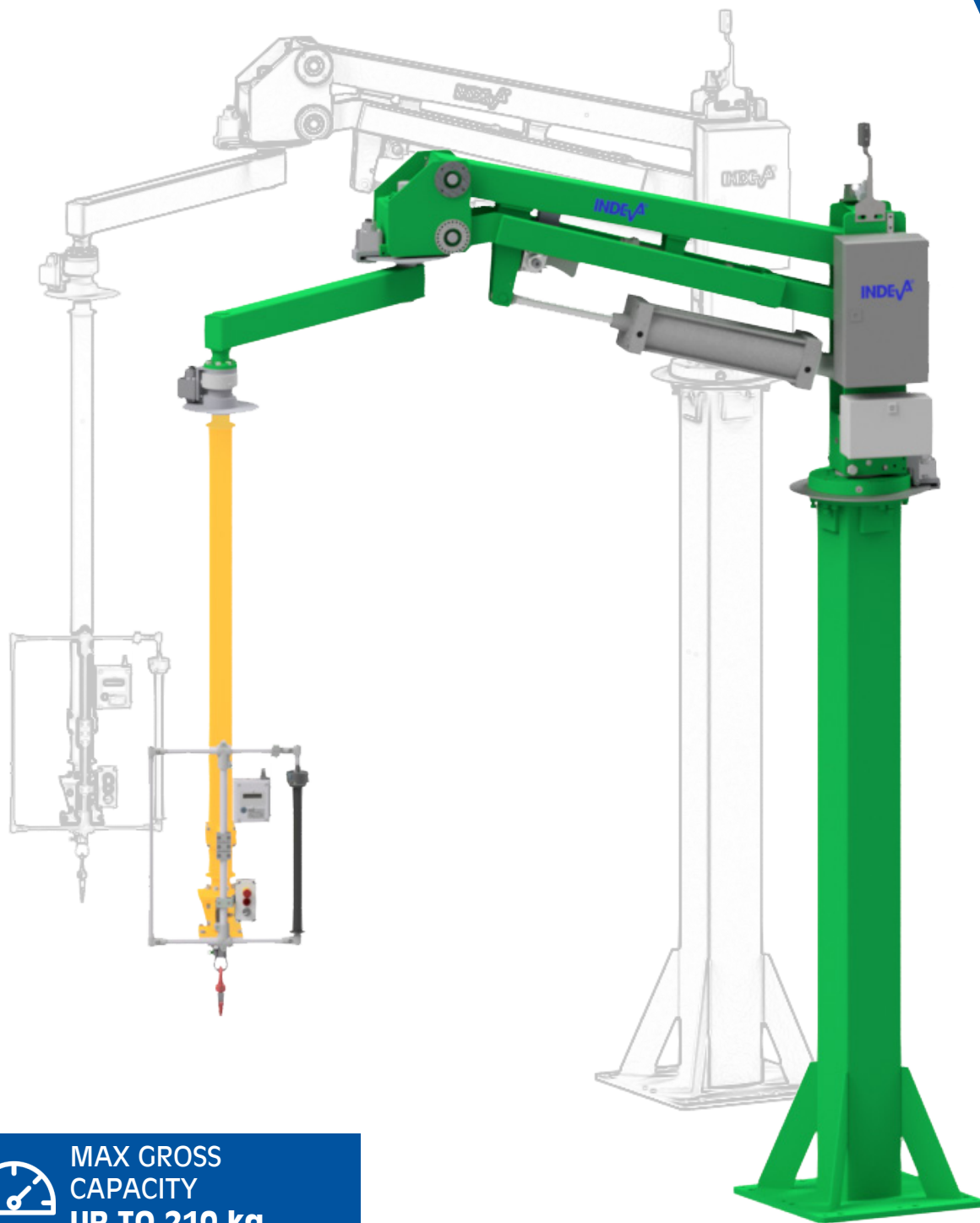


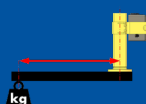
LIFTRONIC® AIR - COLUMN MOUNTED 160



MAX GROSS
CAPACITY
UP TO 210 kg



VERTICAL
STROKE
MAX 2.28 m



OFF-SET
LOADS

INDEVA[®]

INTELLIGENT DEVICES FOR HANDLING

LIFTRONIC® AIR - COLUMN MOUNTED 160

Model	LA160 STD		LA160 L		
	LA160	LA160 + ⁽⁴⁾	LA160L	LA160L + ⁽⁴⁾	
SQ⁽¹⁾ (Max Load capacity)	kg	160	210	70	120
Min Load capacity	kg	12	12	12	12
L1	mm	1635	1635	2135	2135
L2	mm	1065	1065	1365	1365
R1*	mm	2700	2700	3500	3500
R2	mm	942	942	1238	1238
RH	mm	-	910	-	910
A⁽²⁾	mm	4239	4239	4831	4831
B⁽²⁾	mm	3444	3444	3744	3744
C⁽²⁾	mm	2470	2470	2770	2770
D Vertical stroke	mm	1716	1716	2289	2289
E⁽²⁾	mm	2016	2016	2036	2036
Weight (with column and load)	kg	670	856	618	802
Fv max⁽³⁾	daN	777	987	710	920
Mges max⁽³⁾	daNm	902	946	801	887

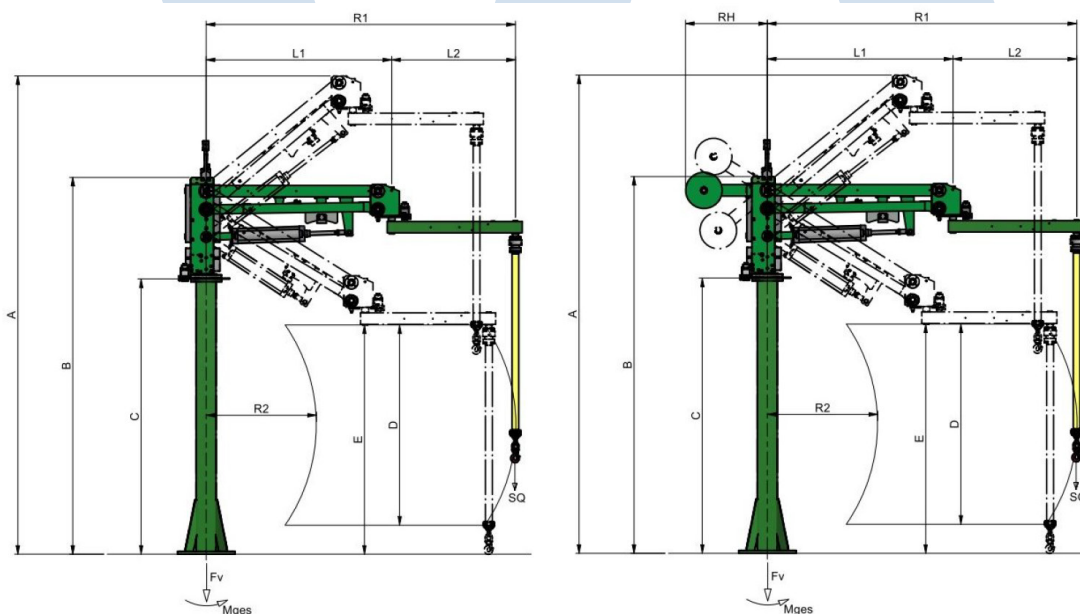
(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.

(2) Within certain limits, these values can be modified to suit specific requirements.

(3) Values including the relevant safety factor, according to UNI EN 13001.

(4) With counterweights.

* Most common configurations. Other arm lengths available, all values change accordingly.



GENERAL TECHNICAL SPECIFICATIONS

- Air pressure 0,65 MPa (6,5 bar)
- Power supply 115/230V A/C 50/60Hz
- Power consumption 100VA
- Enclosure protection IP54
- Noise level < 70 dB(A)
- Lifting capacity limiter
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Column rotation 360°
- Tool axis rotation 550°
- Slow descent in case of pressure failure
- Balancing type: load preset or self balancing (it depends from the tooling)

Due to continuous product improvement, these specifications may change without notice.

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Applicable standards:

- Essential safety requirements provided by Directive 2006/42/EC;
- Electrical Equipment - Electromagnetic Compatibility (EMC) Directive 2014/30/EU.

AVAILABLE OPTIONS

- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis

WORKING ENVIRONMENT CONDITIONS

- Relative humidity rate: 30% to 90% +/- 5%
- Working temperature 5 to 50 °C

SAFETIES

(when assembled with tooling)

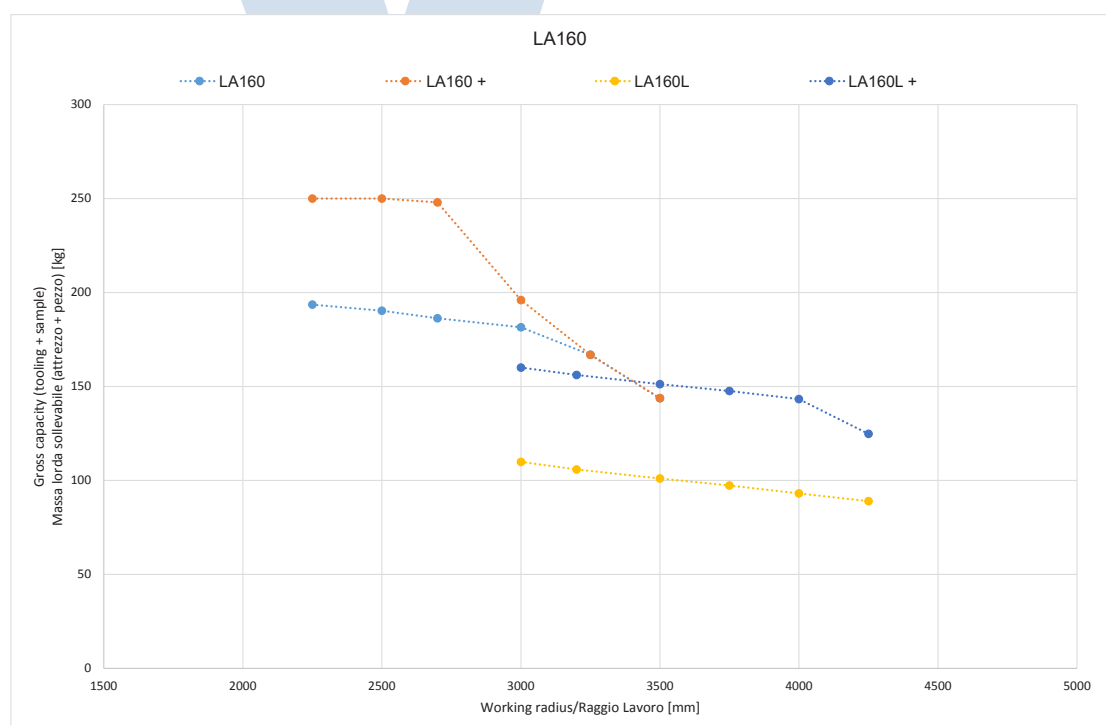
The system stops automatically when:

- A communication error is detected (fault inside the cables, fault inside an electronic board...);
- Electric power supply switches off;
- The system controls the balancer pressures and verifies the congruencies between them;
- A fault inside the proportional electric valve is detected;
- A fault inside the proportional pneumatic valve is detected;
- The cylinder pressure is not congruent with required pressure;
- The STOP button is pressed (without the intervention of programmable electronic boards - only electromechanical elements).

Other safeties:

- Load loss detection;
- The system generates warning (without stopping the balancer) in order to show "out of range" working situations;
- Maximum lifting load limitation by electronic control.

CONFIGURATION CHART



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