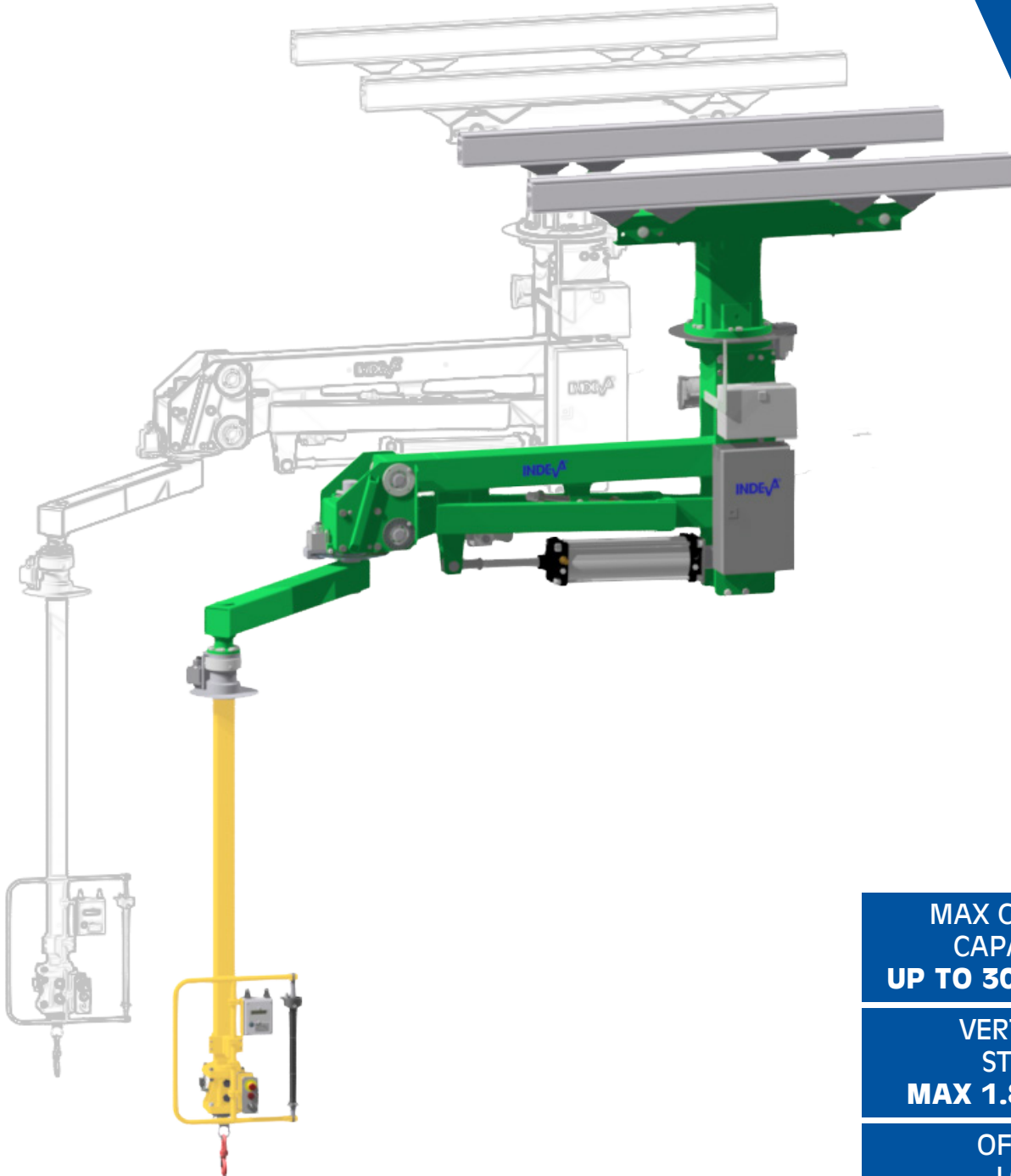


# LIFTRONIC® AIR - CEILING/RAIL MOUNTED 250



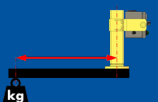
MAX GROSS  
CAPACITY  
**UP TO 300 kg**



VERTICAL  
STROKE  
**MAX 1.86 m**



OFF-SET  
LOADS



**INDEVA®**

INTELLIGENT DEVICES FOR HANDLING

## LIFTRONIC® AIR - CEILING/RAIL MOUNTED 250

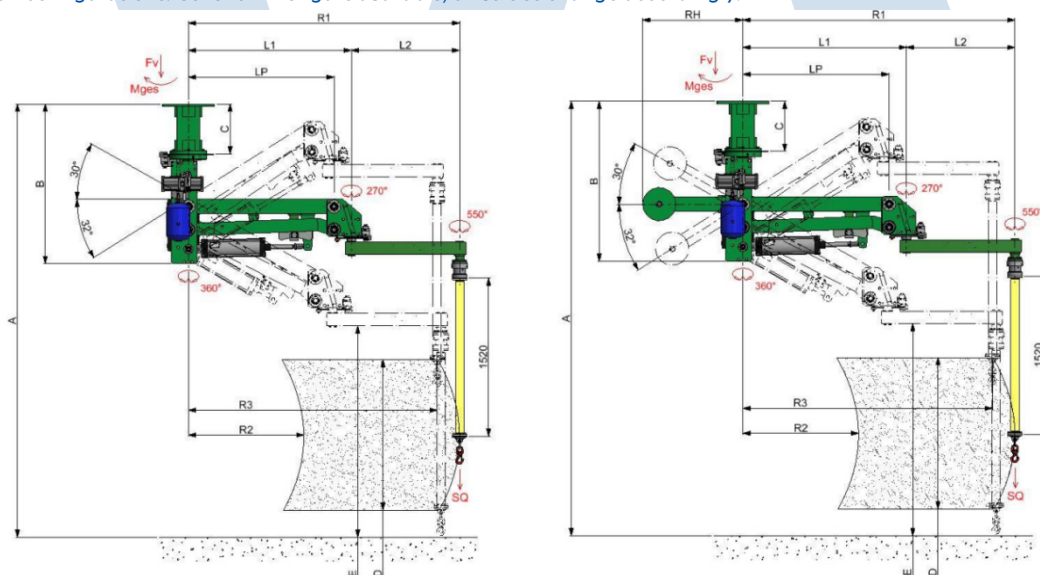
Model		LA250SM (std)		LA250SL	
Counterweights		NO	YES	NO	YES
<b>SQ<sup>(1)</sup> (Max Load capacity)</b>	<b>kg</b>	<b>250</b>	<b>300</b>	<b>150</b>	<b>180</b>
<b>Min Load capacity</b>	<b>kg</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Misalignd loads</b>	<b>-</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
<b>LP</b>	mm	1400	1400	1800	1800
<b>L1</b>	mm	1565	1565	1965	1965
<b>L2*</b>	mm	1040	1040	1535	1535
<b>R1*</b>	mm	2605	2605	3500	3500
<b>R2*</b>	mm	1109	1109	1263	1263
<b>R3*</b>	mm	2396	2396	3220	3220
<b>RH</b>	mm	-	960	-	960
<b>A<sup>(2)</sup></b>	mm	4172	4172	4492	4492
<b>B<sup>(2)</sup></b>	mm	1536	1536	1656	1656
<b>C<sup>(2)</sup></b>	mm	480	480	600	600
<b>D Vertical stroke</b>	mm	1451	1451	1866	1866
<b>E<sup>(2)</sup></b>	mm	2007	2007	2020	2020
<b>Weight (with column and load)</b>	kg	800	990	725	900
<b>Fv max<sup>(3)</sup></b>	daN	910	1130	835	1035
<b>Mges max<sup>(3)</sup></b>	daNm	1210	1120	1220	1215

(1) Maximum load capacity SQ on the hook with standard tooling and with a compressed air supply of minimum 0.65 MPa (6.5 bar).

(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.

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



### GENERAL 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 speed max 30 m/min
- Main joint axis brake
- Middle joint axis brake
- Column rotation 360°
- Tool axis rotation 550°
- Slow descent in case of pressure failure
- Balancing type: automatic weight detect & balancing
- Flow rate during the lifting phase: 1050 NI/min
- Compressed air consumption: 73 NI for one complete stroke at maximum load
- Mounting plate size: 500 mm x 500 mm
- Colors: green - RAL 6018; yellow - RAL 1018
- Floor levelling required: ± 2 mm/m
- Fixing requirements: n°8 M16 bolts (8.8 class)

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
- Pression booster
- Special painting
- Sliding trolley
- Lifting height limiter stop
- Main joint rotation block
- Middle joint rotation block
- Top joint brake
- Working area sensor on main and middle joint

## WORKING ENVIRONMENT CONDITIONS

- **Relative humidity rate:** from 30% to 90%  $\pm$  5%
- **Working temperature** 5 to 50 °C
- **Working environment:** the system must be located indoor away from outdoor elements

## SAFETIES

(when assembled with tooling)

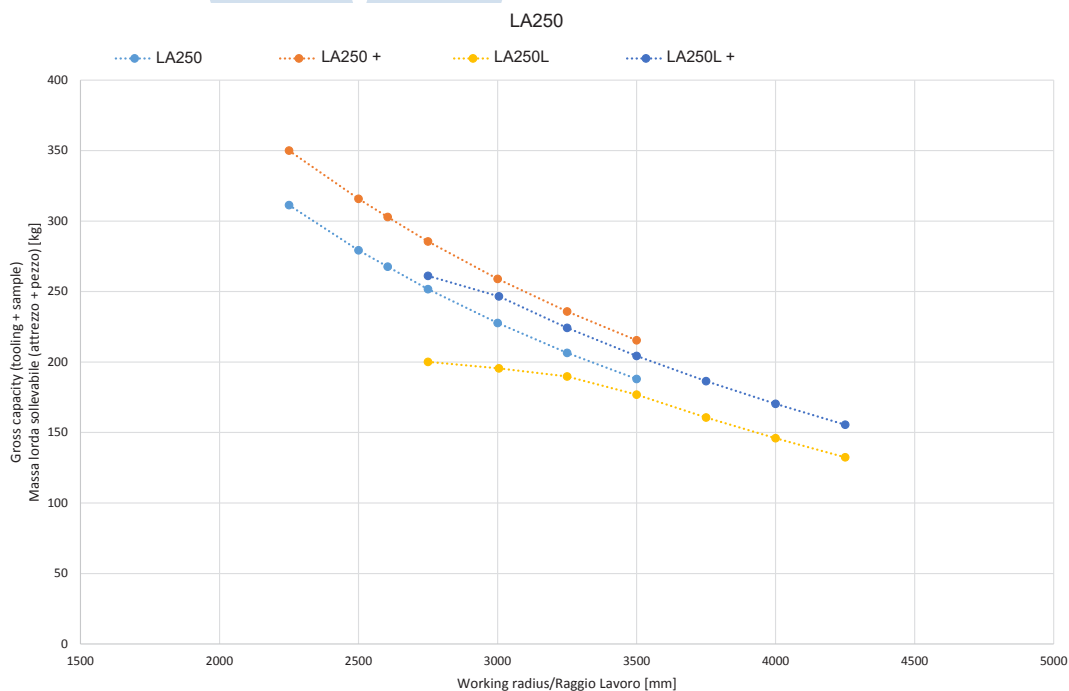
### The system stops automatically when:

- A communication error is detected (fault inside the cables, fault inside an electronic board...);
- Electric power supply switches off;
- 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

### 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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