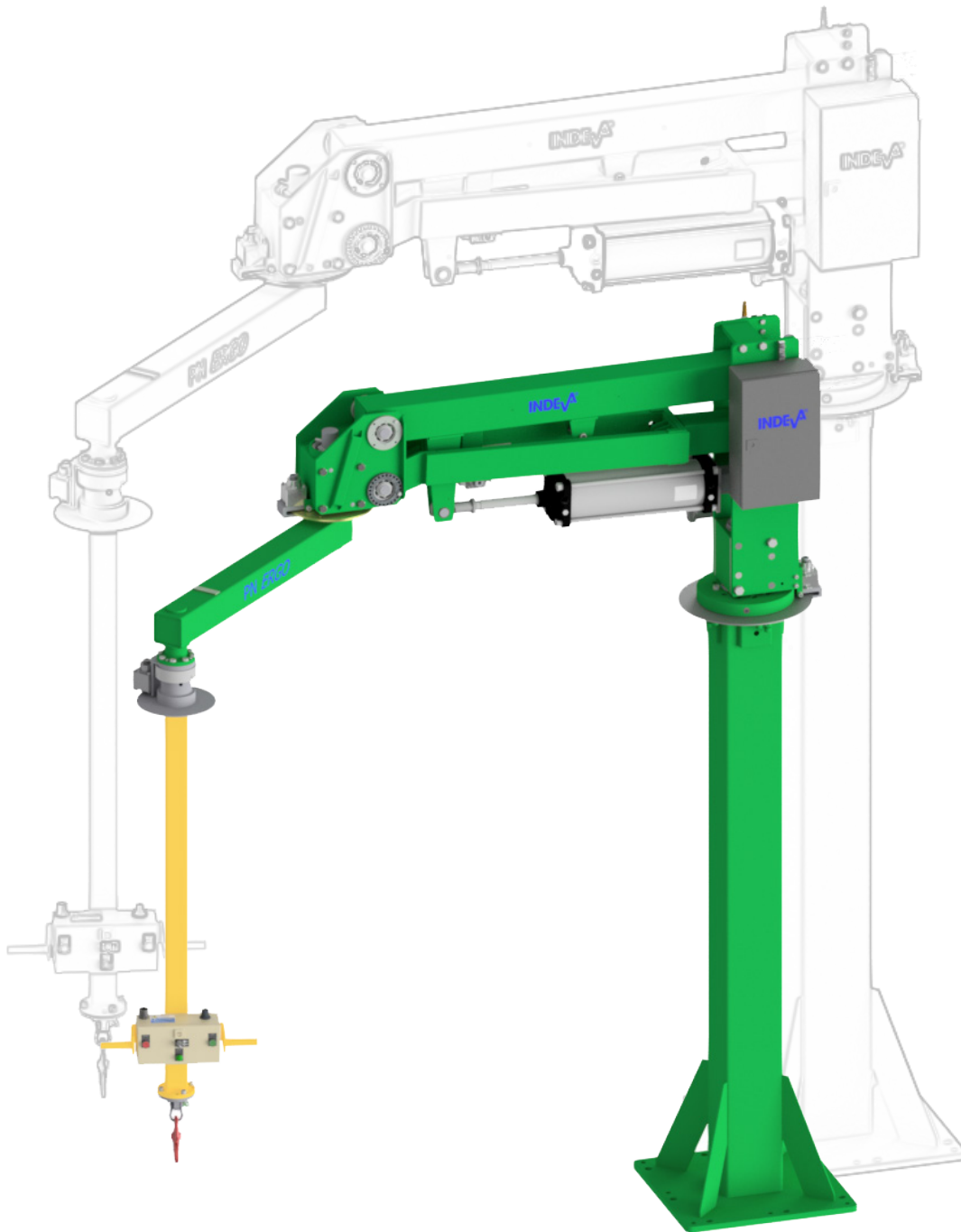


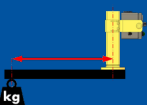
# PN SERIES: PN250 COLUMN MOUNTED



MAX GROSS  
CAPACITY  
**UP TO 300 kg**



VERTICAL  
STROKE  
**MAX 1.86 m**



OFF-SET  
LOADS

**INDEVIA**<sup>®</sup>

INTELLIGENT DEVICES FOR HANDLING

## PN SERIES: PN250 COLUMN MOUNTED

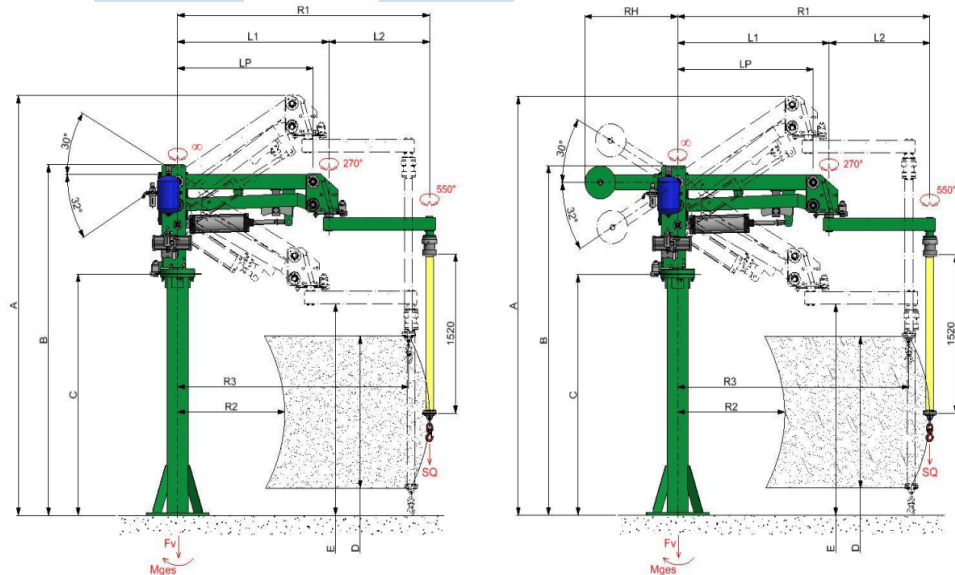
Model		PN250CM (std)		PN250CL	
Counterweights		NO	YES	NO	YES
SQ <sup>(1)</sup> (Max Load capacity)	kg	250	300	150	180
Min Load capacity	kg	15	15	15	15
Misalignd loads	-	YES	YES	YES	YES
LP	mm	1400	1400	1800	1800
L1	mm	1565	1565	1965	1965
L2 *	mm	1040	1040	1535	1535
R1 *	mm	2605	2605	3500	3500
R2 *	mm	1109	1109	1263	1263
R3 *	mm	2396	2396	3220	3220
RH	mm	-	960	-	960
A <sup>(2)</sup>	mm	4007	4007	4434	4434
B <sup>(2)</sup>	mm	3346	3346	3546	3546
C <sup>(2)</sup>	mm	2300	2300	2500	2500
D Vertical stroke	mm	1451	1451	1866	1866
E <sup>(2)</sup>	mm	2007	2007	2020	2020
Weight (with column and load)	kg	940	1130	875	1055
Fv max <sup>(3)</sup>	daN	1070	1290	1005	1205
Mges max <sup>(3)</sup>	daNm	1210	1220	1220	1220

(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)
- Noise level < 70 dB(A)
- Lifting speed max 30 m/min
- Main joint axis brake
- Middle joint axis brake
- Continuous rotation on main joint
- Tool axis rotation 550°
- Slow descent in case of pressure failure
- Load balancing: standard, 1 load preset
- Flow rate during the lifting phase: 1050 NI/min
- Compressed air consumption: 73 NI for one complete stroke at maximum load
- Base plate size: 650 mm x 650 mm
- Colors: green - RAL 6018; yellow - RAL 1018
- Floor levelling required: ± 2 mm/m

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

This document is property of INDEVA S.p.A.; any partial or full reproduction without written authorization by the owner is prohibited.

**Compliance with the following directives:**

- 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
- Steel platform
- Lifting height limiter stop
- Main joint rotation block
- Middle joint rotation block
- Top joint brake
- Working area sensor on main and middle joint
- Continuous swivel joint on top joint
- Load balancing: adjustment system for different load weights

**WORKING ENVIRONMENT REQUIREMENTS**

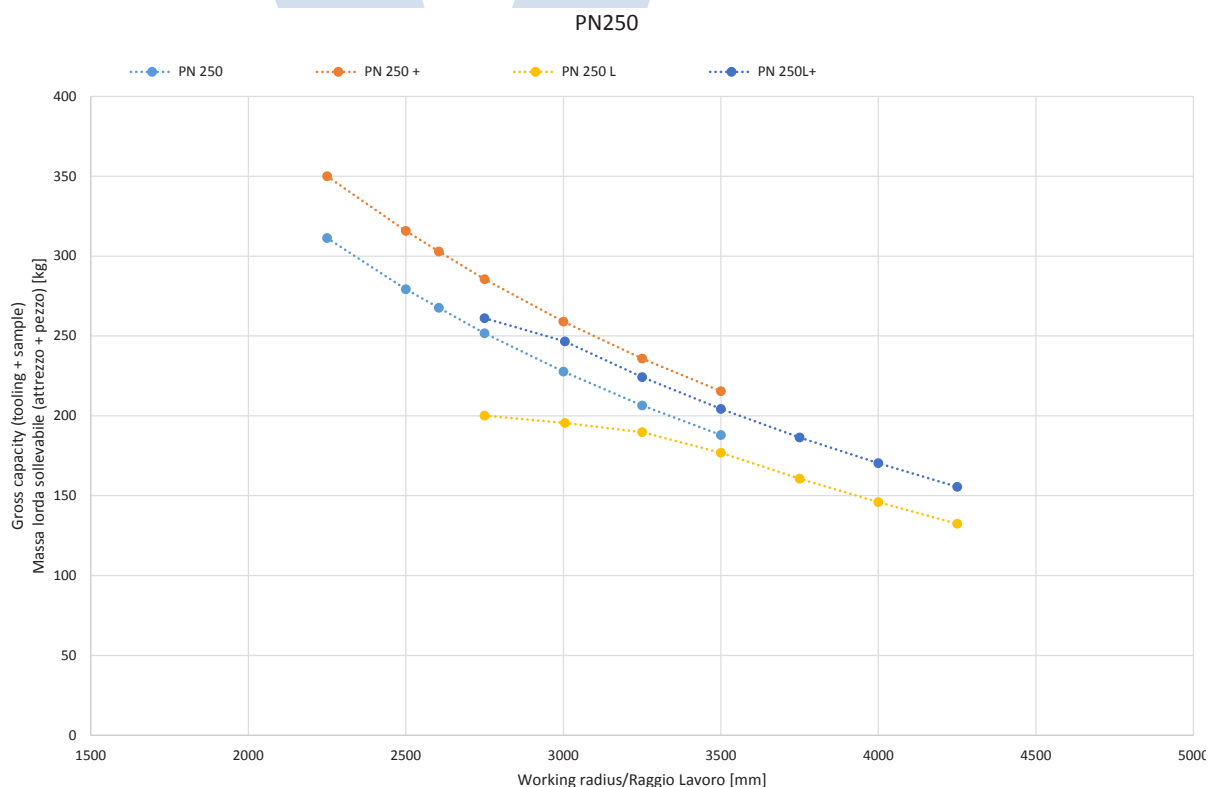
- **Relative humidity rate:** from 30% to 90%  $\pm$  5%
- **Working temperature** 5 to 50 °C
- **Working environment:** the system must be located indoor away from outdoor elements

**SAFETIES**

(when assembled with tooling)

- Load loss detection;
- The system generates warning (without stopping the balancer) in order to show "out of range" working situations;
- Limitation system for the up / down lifting speed

**CONFIGURATION CHART**



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

This document is property of INDEVA S.p.A.; any partial or full reproduction without written authorization by the owner is prohibited.