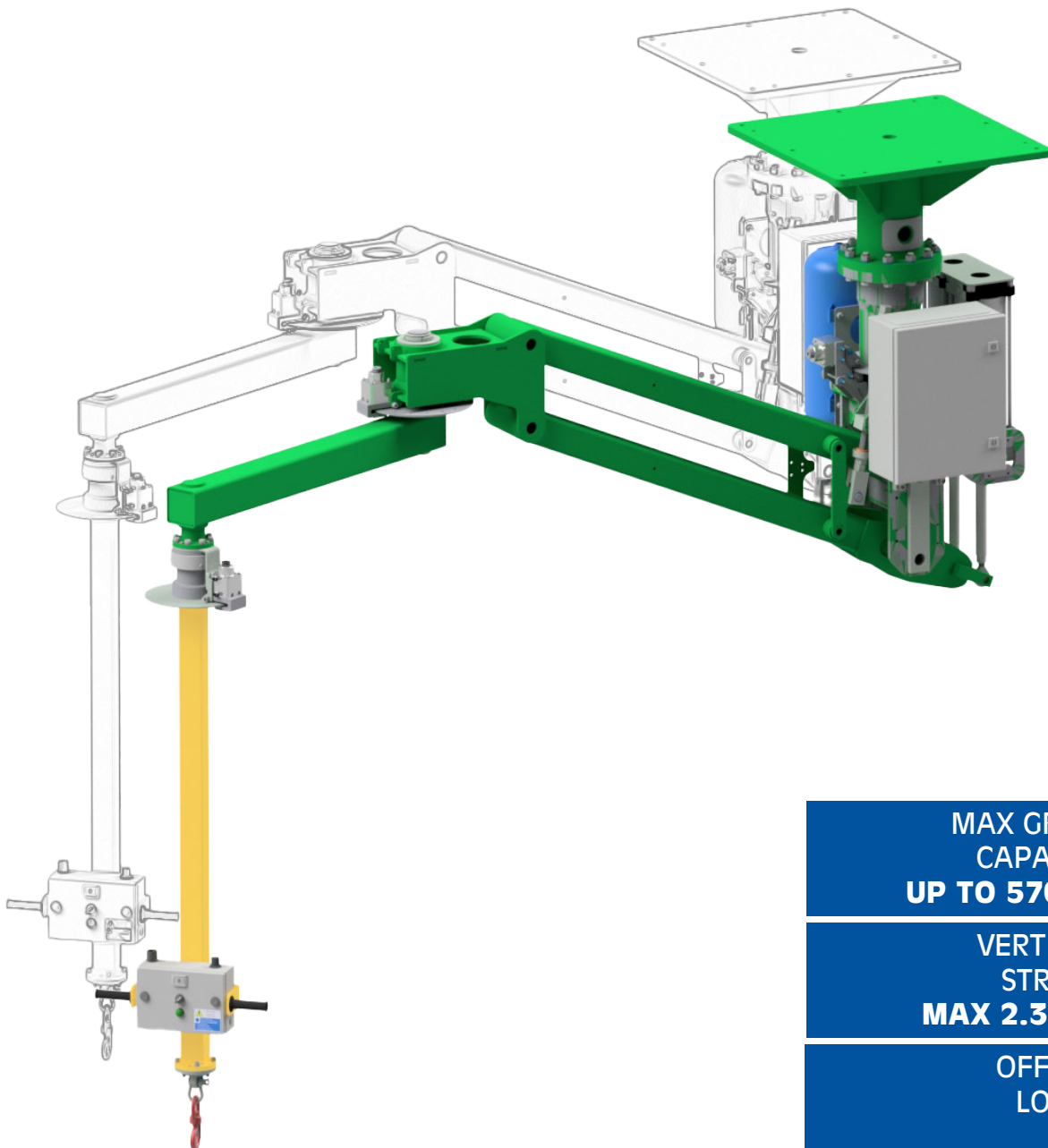


# PN SERIES: PN400 CEILING MOUNTED



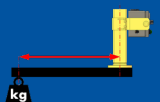
MAX GROSS  
CAPACITY  
**UP TO 570 kg**



VERTICAL  
STROKE  
**MAX 2.33 m**



OFF-SET  
LOADS



**INDEVA**<sup>®</sup>

INTELLIGENT DEVICES FOR HANDLING

## PN SERIES: PN400 CEILING MOUNTED

Model		PN400S				
Type		XS*	S	M	L	XL**
<b>SQ<sup>(1)</sup> (Max Load capacity)</b>	<b>kg</b>	<b>570</b>	<b>530</b>	<b>400</b>	<b>310</b>	<b>235</b>
<b>Min Load capacity</b>	kg	15	15	15	15	15
<b>Misaligned loads</b>	-	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
<b>LP</b>	mm	1000	1250	1500	1750	2000
<b>L1</b>	mm	1345	1595	1845	2095	2345
<b>L2</b>	mm	655	905	1155	1405	1655
<b>R1</b>	mm	2000	2500	3000	3500	4000
<b>R2</b>	mm	932	1058	1194	1337	1485
<b>R3</b>	mm	1812	2265	2718	3172	3625
<b>A<sup>(2)</sup></b>	mm	3880	4025	4271	4517	4863
<b>B<sup>(2)</sup></b>	mm	1430	1430	1530	1630	1830
<b>C<sup>(2)</sup></b>	mm	300	300	400	500	700
<b>D Vertical stroke</b>	mm	1167	1458	1750	2042	2333
<b>E<sup>(2)</sup></b>	mm	2010	2010	2010	2010	2010
<b>Weight (with column and load)</b>	kg	1220	1200	1100	1030	990
<b>Fv max<sup>(3)</sup></b>	daN	1400	1375	1250	1175	1125
<b>Mges max<sup>(3)</sup></b>	daNm	1585	1890	1850	1820	1770

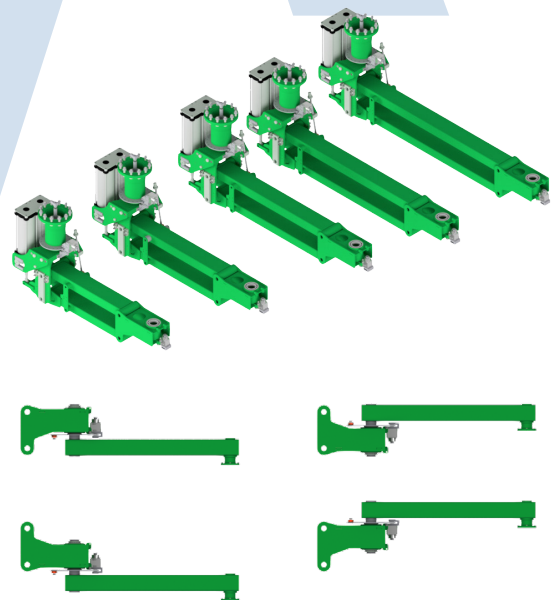
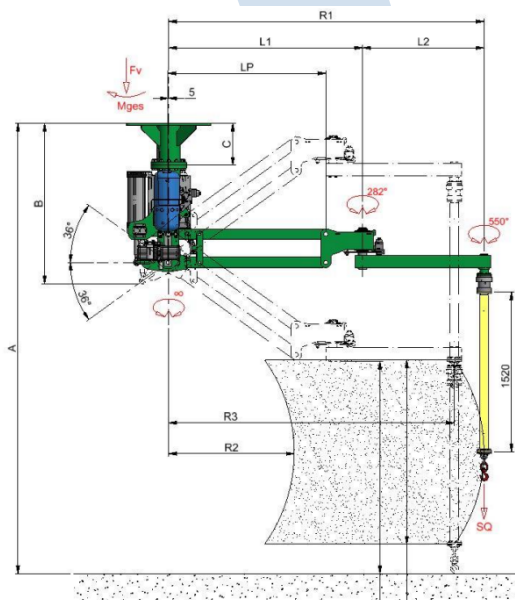
(1) Maximum load capacity SQ on the hook with standard tooling and with a compressed air supply of minimum 0.65 MPa (6.5 bar).

(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.

\* Hoist mode only

\*\* Subject to approval by our engineers



## 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: 1300 NI/min
- Compressed air consumption: 118,7 NI for one complete stroke at maximum load
- Mounting plate size: 800 mm x 800 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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**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
- Anchors
- 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**

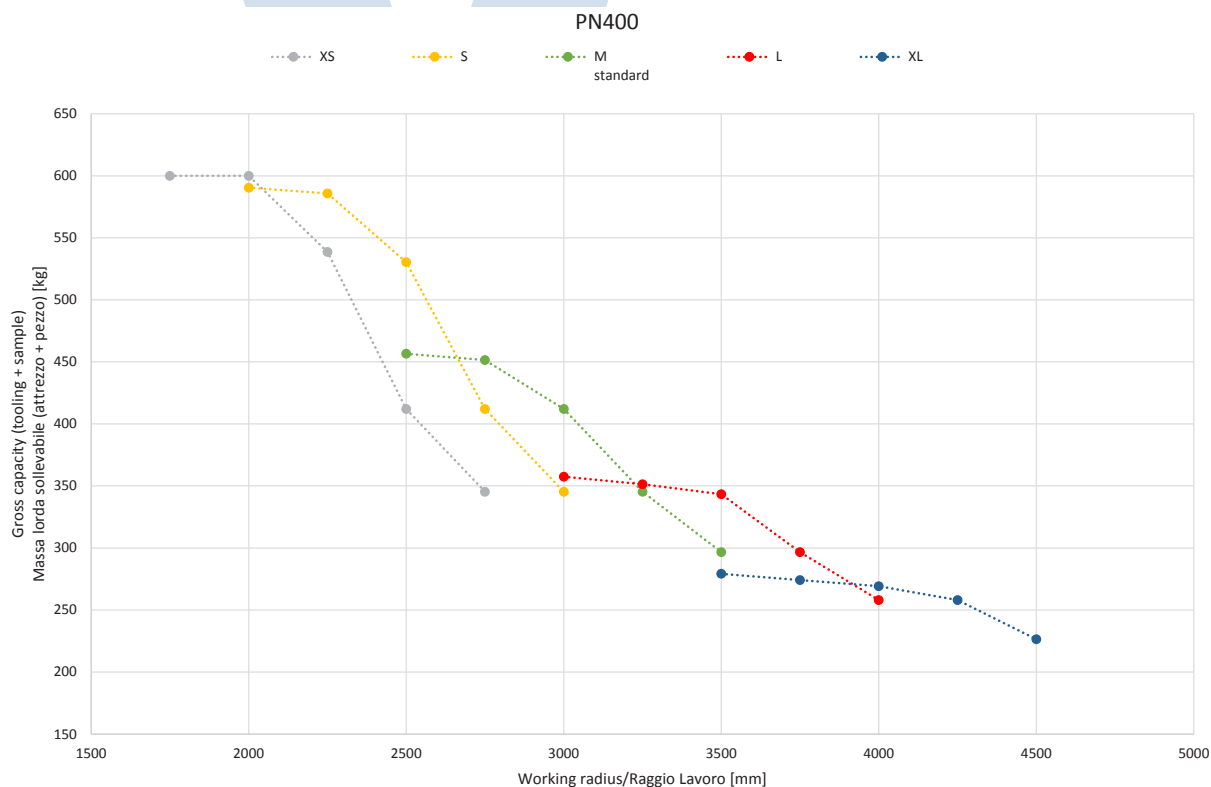
- **Relative humidity rate:** from 30% to 90%  $\pm$  5%
- **Working temperature** 5 to 50 °C
- **Working environment:** the system must be located indoor away from outdoor elements

**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**



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