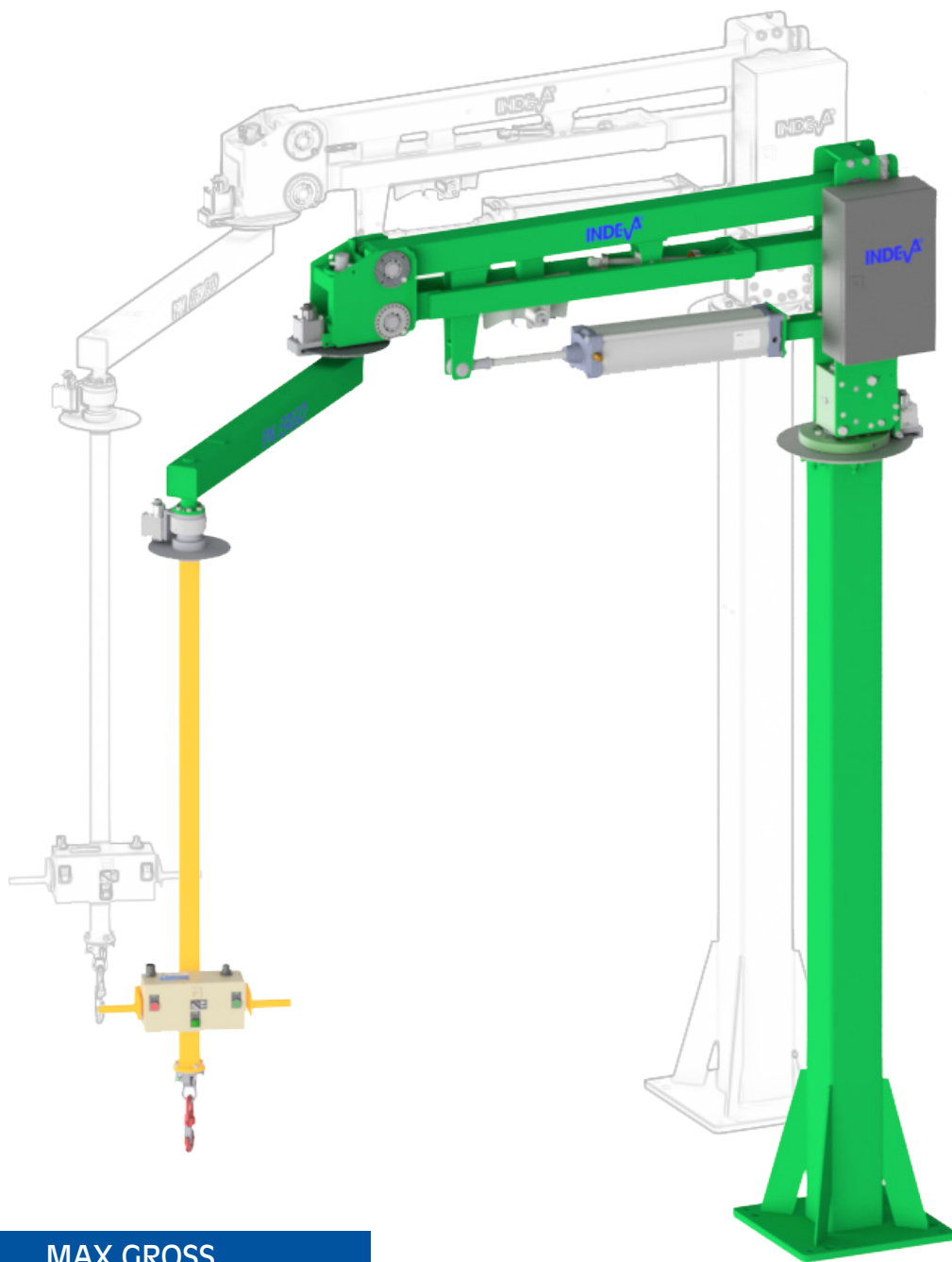


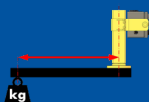
# PN SERIES: PN80 COLUMN MOUNTED



MAX GROSS  
CAPACITY  
**UP TO 110 kg**



VERTICAL  
STROKE  
**MAX 1.75 m**



OFF-SET  
LOADS

## PN SERIES: PN80 COLUMN MOUNTED

Model		PN 80	PN 80 + <sup>(4)</sup>
<b>SQ<sup>(1)</sup> (Max Load capacity)</b>	kg	80	110
<b>Min Load capacity</b>	kg	10	10
<b>L1</b>	mm	1620	1620
<b>L2</b>	mm	1080	1080
<b>R1*</b>	mm	2700	2700
<b>R2</b>	mm	907	907
<b>RH</b>	mm	-	715
<b>A<sup>(2)</sup></b>	mm	4190	4190
<b>B<sup>(2)</sup></b>	mm	3300	3300
<b>C<sup>(2)</sup></b>	mm	2410	2410
<b>D Vertical stroke</b>	mm	1751	1751
<b>E<sup>(2)</sup></b>	mm	2005	2005
<b>Weight (with column and load)</b>	kg	423	564
<b>Fv max<sup>(3)</sup></b>	daN	470	630
<b>Mges max<sup>(3)</sup></b>	daNm	520	520

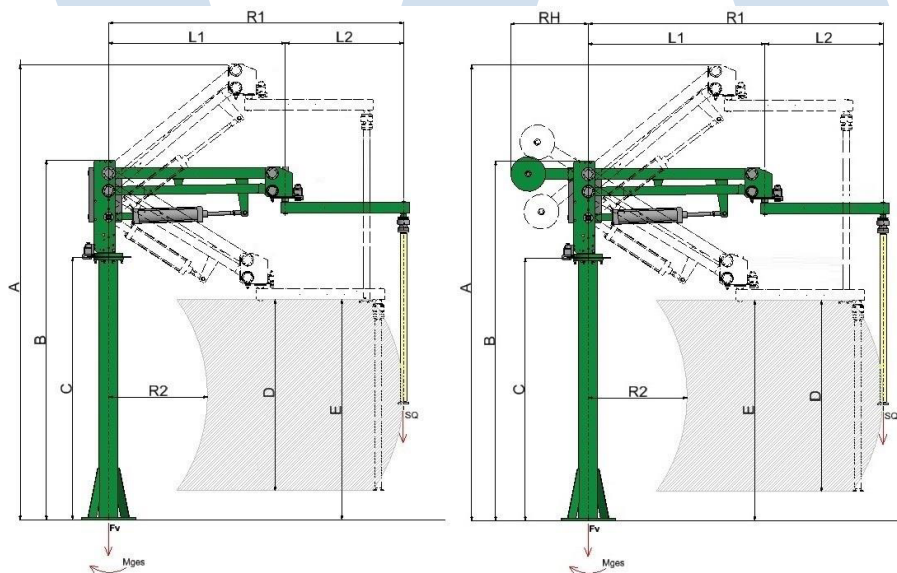
(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.

(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

### Standard features:

- Air pressure 0,65 MPa (6,5 bar)
- Noise level < 70 dB (A)
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Continuous column rotation
- Slow descent in case of pressure failure
- Load balancing: standard, 1 load preset

### Available options:

- Continuous swivel joint on the tool axis
- Lifting capacity limiter
- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis
- Load balancing: adjustment system for different load weights

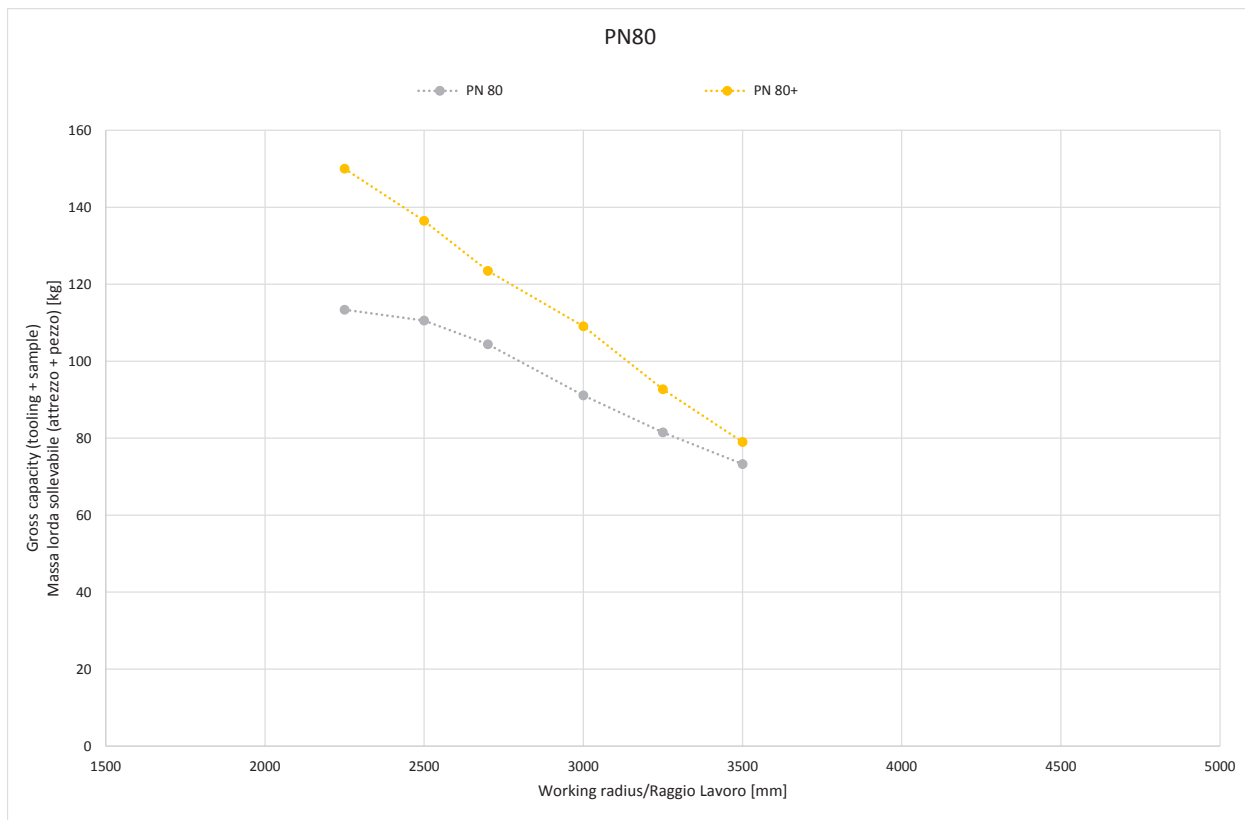
Due to continuous product improvement, these specifications may change without notice.

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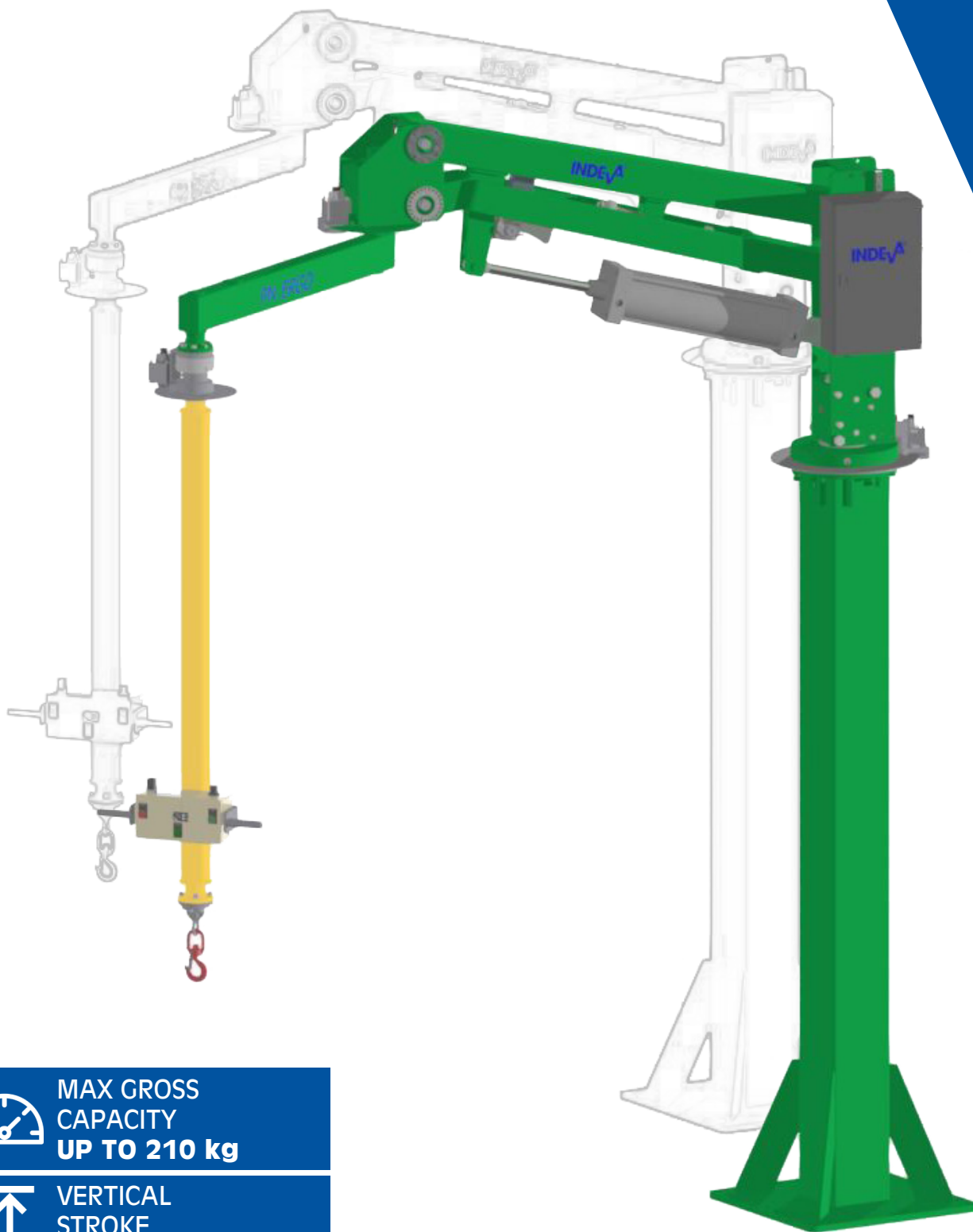
**WORKING ENVIRONMENT REQUIREMENTS**

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

**CONFIGURATION CHART**



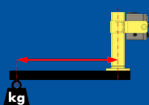
# PN SERIES: PN160 COLUMN MOUNTED



MAX GROSS  
CAPACITY  
UP TO 210 kg



VERTICAL  
STROKE  
MAX 2.28 m



OFF-SET  
LOADS

**INDEVA**<sup>®</sup>

INTELLIGENT DEVICES FOR HANDLING

## PN SERIES: PN160 COLUMN MOUNTED

Model	PN160 STD		PN160 L		
	PN160	PN160 + <sup>(4)</sup>	PN160L	PN160L + <sup>(4)</sup>	
<b>SQ<sup>(1)</sup> (Max Load capacity)</b>	<b>kg</b>	<b>160</b>	<b>210</b>	<b>75</b>	<b>120</b>
<b>Min Load capacity</b>	<b>kg</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>L1</b>	<b>mm</b>	<b>1635</b>	<b>1635</b>	<b>2135</b>	<b>2135</b>
<b>L2</b>	<b>mm</b>	<b>1065</b>	<b>1065</b>	<b>1365</b>	<b>1365</b>
<b>R1 *</b>	<b>mm</b>	<b>2700</b>	<b>2700</b>	<b>3500</b>	<b>3500</b>
<b>R2</b>	<b>mm</b>	<b>942</b>	<b>942</b>	<b>1238</b>	<b>1238</b>
<b>RH</b>	<b>mm</b>	<b>-</b>	<b>910</b>	<b>-</b>	<b>910</b>
<b>A<sup>(2)</sup></b>	<b>mm</b>	<b>4239</b>	<b>4239</b>	<b>4831</b>	<b>4831</b>
<b>B<sup>(2)</sup></b>	<b>mm</b>	<b>3444</b>	<b>3444</b>	<b>3744</b>	<b>3744</b>
<b>C<sup>(2)</sup></b>	<b>mm</b>	<b>2470</b>	<b>2470</b>	<b>2770</b>	<b>2770</b>
<b>D Vertical stroke</b>	<b>mm</b>	<b>1716</b>	<b>1716</b>	<b>2289</b>	<b>2289</b>
<b>E<sup>(2)</sup></b>	<b>mm</b>	<b>2016</b>	<b>2016</b>	<b>2036</b>	<b>2036</b>
<b>Weight (with column and load)</b>	<b>kg</b>	<b>670</b>	<b>856</b>	<b>618</b>	<b>802</b>
<b>Fv max<sup>(3)</sup></b>	<b>daN</b>	<b>777</b>	<b>987</b>	<b>710</b>	<b>920</b>
<b>Mges max<sup>(3)</sup></b>	<b>daNm</b>	<b>902</b>	<b>946</b>	<b>801</b>	<b>887</b>

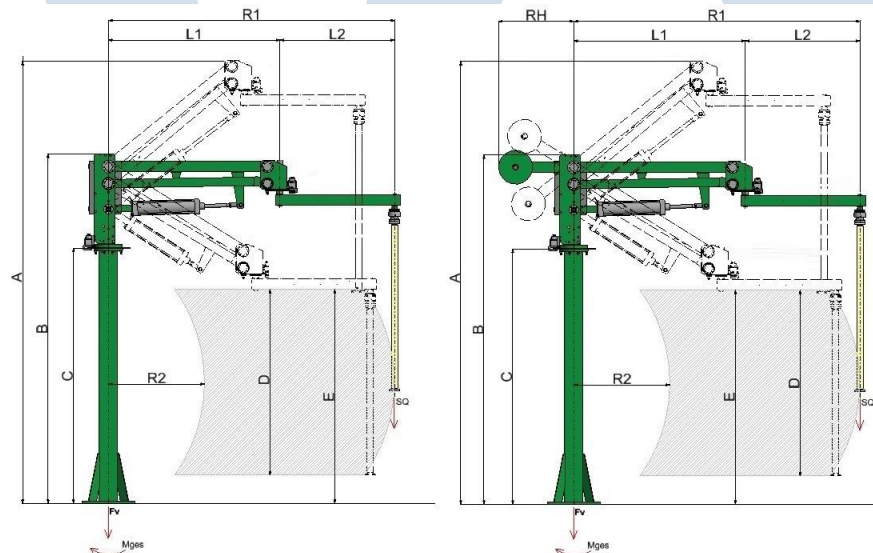
(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.

(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

### Standard features:

- Air pressure 0,65 MPa (6,5 bar)
- Noise level < 70 dB (A)
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Continuous column rotation
- Slow descent in case of pressure failure
- Load balancing: standard, 1 load preset

### Available options:

- Continuous swivel joint on the tool axis
- Lifting capacity limiter
- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis
- Load balancing: adjustment system for different load weights

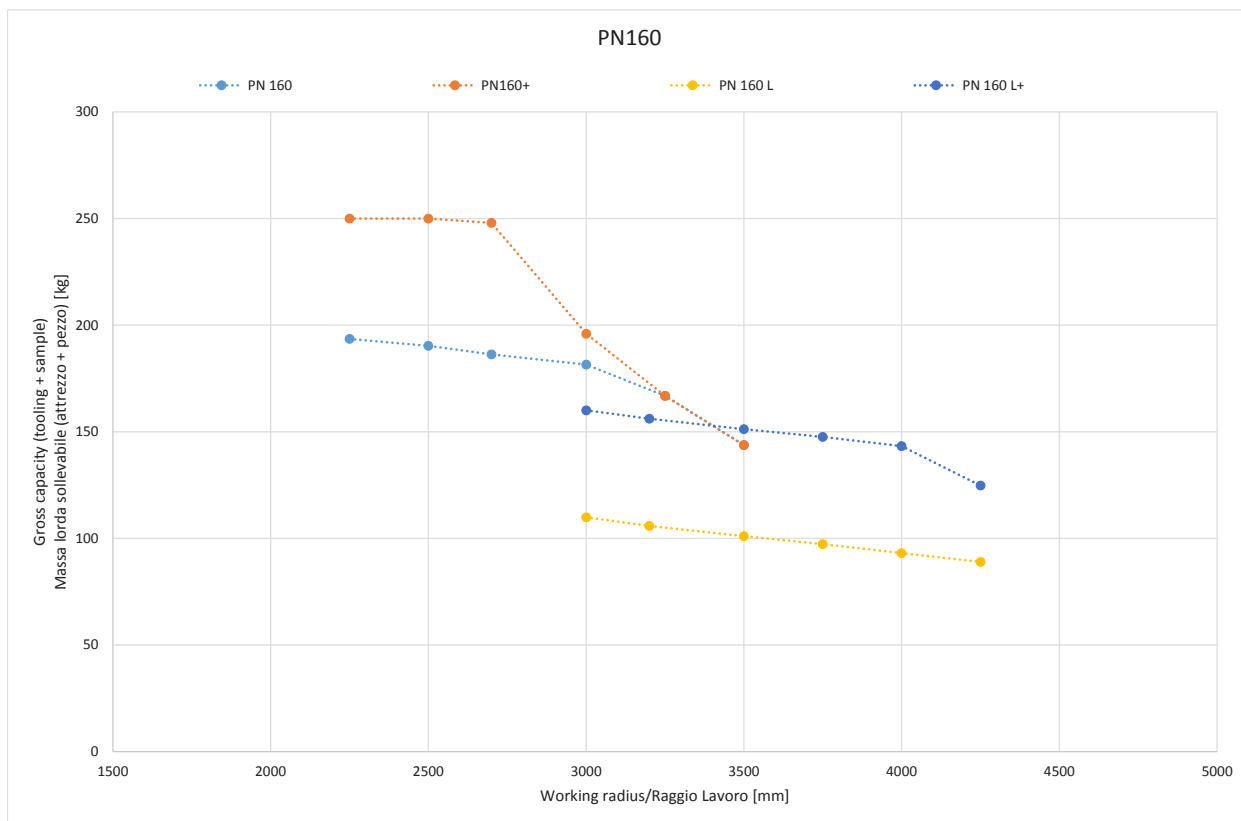
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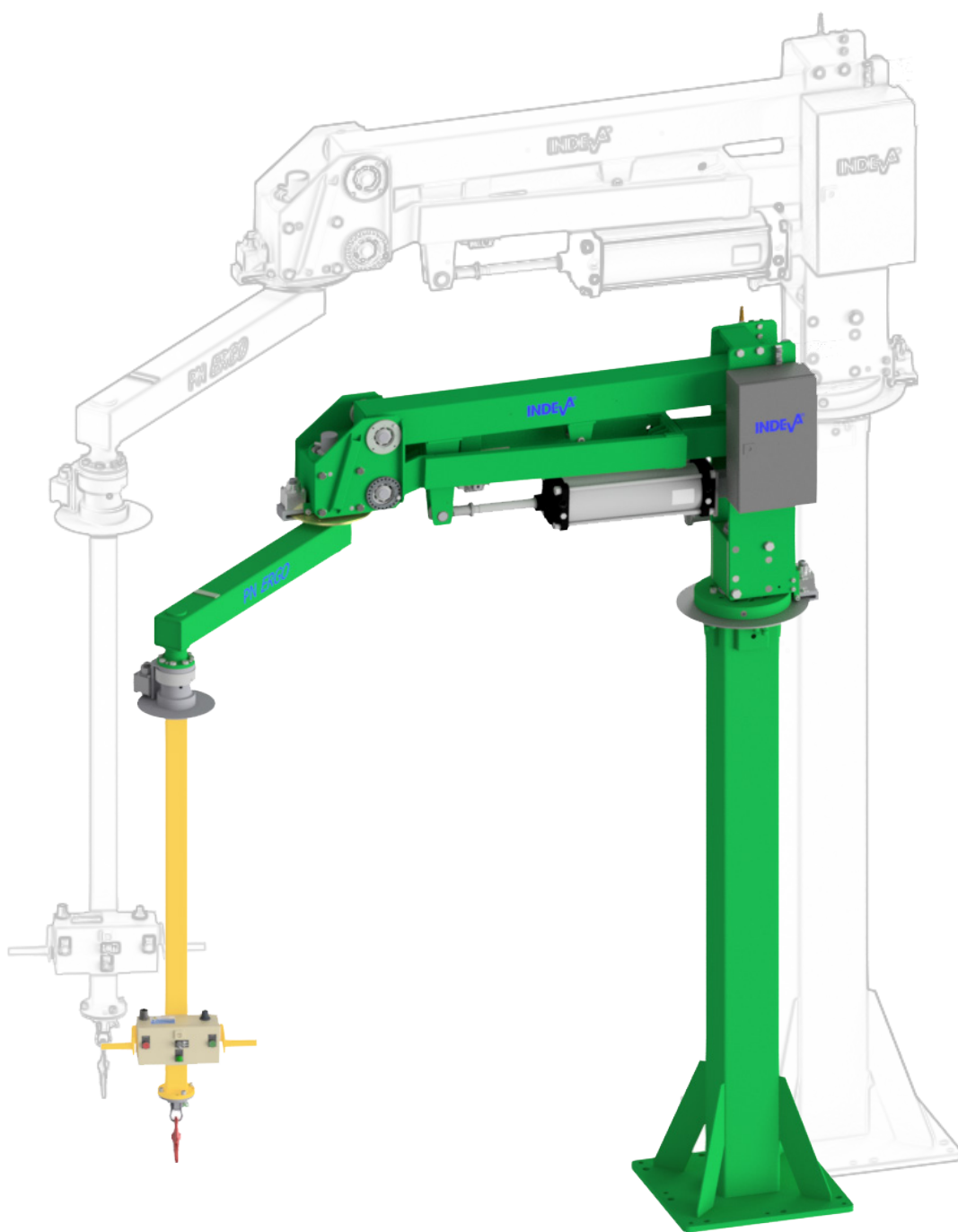
**WORKING ENVIRONMENT REQUIREMENTS**

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

**CONFIGURATION CHART**



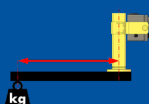
# PN SERIES: PN250 COLUMN MOUNTED



MAX GROSS  
CAPACITY  
**UP TO 300 kg**



VERTICAL  
STROKE  
**MAX 1.86 m**



OFF-SET  
LOADS

**INDEVA**<sup>®</sup>

INTELLIGENT DEVICES FOR HANDLING

## PN SERIES: PN250 COLUMN MOUNTED

Model		PN250 STD		PN250 L	
Type		PN250	PN250 + <sup>(4)</sup>	PN250L	PN250L + <sup>(4)</sup>
<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>L1</b>	<b>mm</b>	<b>1565</b>	<b>1565</b>	<b>1965</b>	<b>1965</b>
<b>L2</b>	<b>mm</b>	<b>1040</b>	<b>1040</b>	<b>1535</b>	<b>1535</b>
<b>R1*</b>	<b>mm</b>	<b>2605</b>	<b>2605</b>	<b>3500</b>	<b>3500</b>
<b>R2</b>	<b>mm</b>	<b>1109</b>	<b>1109</b>	<b>1263</b>	<b>1263</b>
<b>RH</b>	<b>mm</b>	<b>-</b>	<b>960</b>	<b>-</b>	<b>960</b>
<b>A<sup>(2)</sup></b>	<b>mm</b>	<b>4007</b>	<b>4007</b>	<b>4434</b>	<b>4434</b>
<b>B<sup>(2)</sup></b>	<b>mm</b>	<b>3346</b>	<b>3346</b>	<b>3546</b>	<b>3546</b>
<b>C<sup>(2)</sup></b>	<b>mm</b>	<b>2300</b>	<b>2300</b>	<b>2500</b>	<b>2500</b>
<b>D Vertical stroke</b>	<b>mm</b>	<b>1451</b>	<b>1451</b>	<b>1866</b>	<b>1866</b>
<b>E<sup>(2)</sup></b>	<b>mm</b>	<b>2007</b>	<b>2007</b>	<b>2020</b>	<b>2020</b>
<b>Weight (with column and load)</b>	<b>kg</b>	<b>863</b>	<b>1040</b>	<b>808</b>	<b>981</b>
<b>Fv max<sup>(3)</sup></b>	<b>daN</b>	<b>988</b>	<b>1190</b>	<b>925</b>	<b>1125</b>
<b>Mges max<sup>(3)</sup></b>	<b>daNm</b>	<b>1317</b>	<b>1300</b>	<b>1290</b>	<b>1300</b>

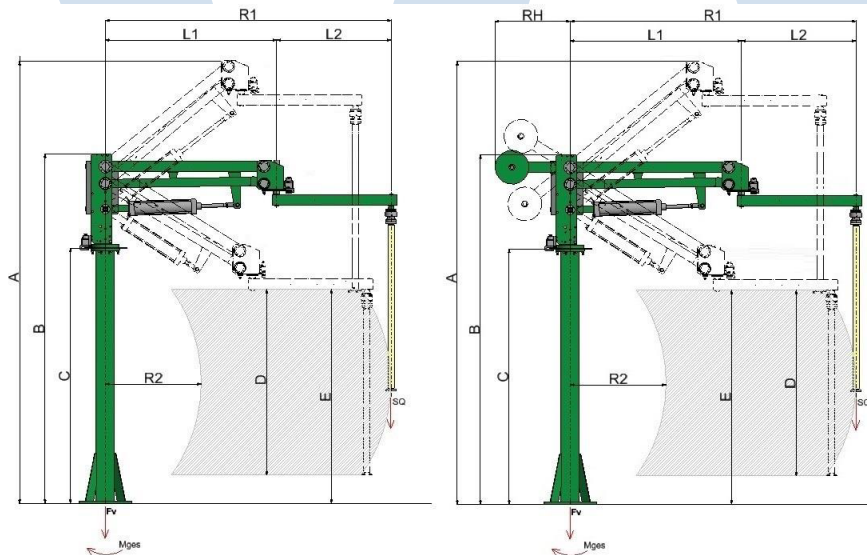
(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.

(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

### Standard features:

- Air pressure 0,65 MPa (6,5 bar)
- Noise level < 70 dB (A)
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Continuous column rotation
- Slow descent in case of pressure failure
- Load balancing: standard, 1 load preset

### Available options:

- Continuous swivel joint on the tool axis
- Lifting capacity limiter
- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis
- Load balancing: adjustment system for different load weights

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## WORKING ENVIRONMENT REQUIREMENTS

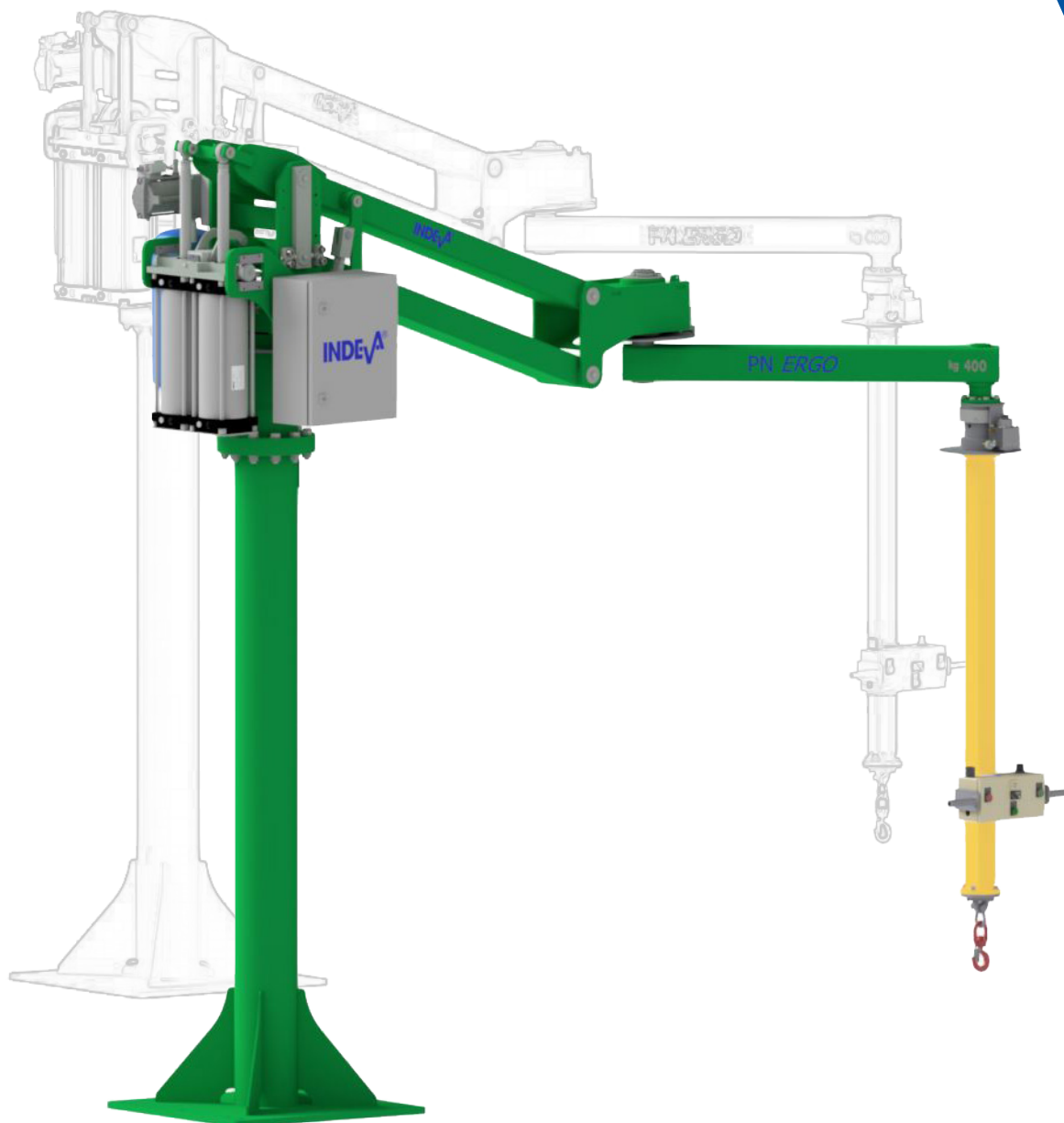
- Relative humidity rate: 30% to 90%
- Working temperature 5 to 50 °C

## CONFIGURATION CHART



PN SERIES: PN250 COLUMN MOUNTED

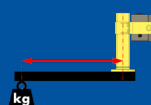
# PN SERIES: PN400 COLUMN MOUNTED



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 COLUMN MOUNTED

Model		PN400				
Type		XS*	S	M	L	XL**
<b>SQ<sup>(1)</sup> (Max Load capacity)</b>	kg	<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>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>A<sup>(2)</sup></b>	mm	3568	3813	4160	4405	4751
<b>B<sup>(2)</sup></b>	mm	3130	3230	3430	3530	3730
<b>C<sup>(2)</sup></b>	mm	2000	2100	2300	2400	2600
<b>D Vertical stroke</b>	mm	1167	1458	1750	2042	2333
<b>E<sup>(2)</sup></b>	mm	2010	1962	2017	1970	2025
<b>Weight (with column and load)</b>	kg	1300	1250	1150	1115	1075
<b>Fv max<sup>(3)</sup></b>	daN	1472	1420	1310	1250	1225
<b>Mges max<sup>(3)</sup></b>	daNm	1753	1970	1910	1960	1890

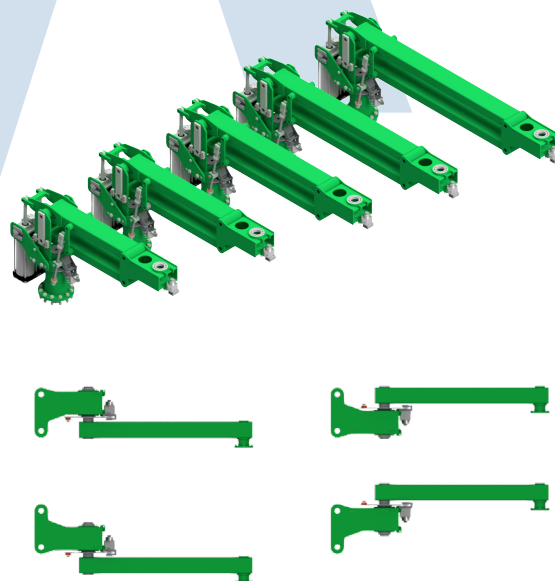
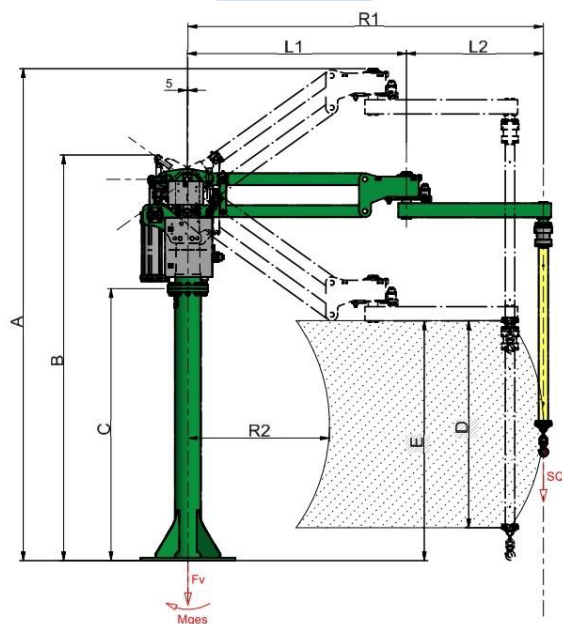
(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.

(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.

\* Hoist mode only

\*\* Subject to approval by our engineers



## GENERAL TECHNICAL SPECIFICATIONS

### Standard features:

- Air pressure 0,65 MPa (6,5 bar)
- Noise level < 70 dB (A)
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Continuous column rotation
- Slow descent in case of pressure failure
- Constant balancing along the vertical stroke
- Load balancing: standard, 1 load preset

### Available options:

- Continuous swivel joint on the tool axis
- Lifting capacity limiter
- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis
- Load balancing: adjustment system for different load weights

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## WORKING ENVIRONMENT REQUIREMENTS

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

## CONFIGURATION CHART

