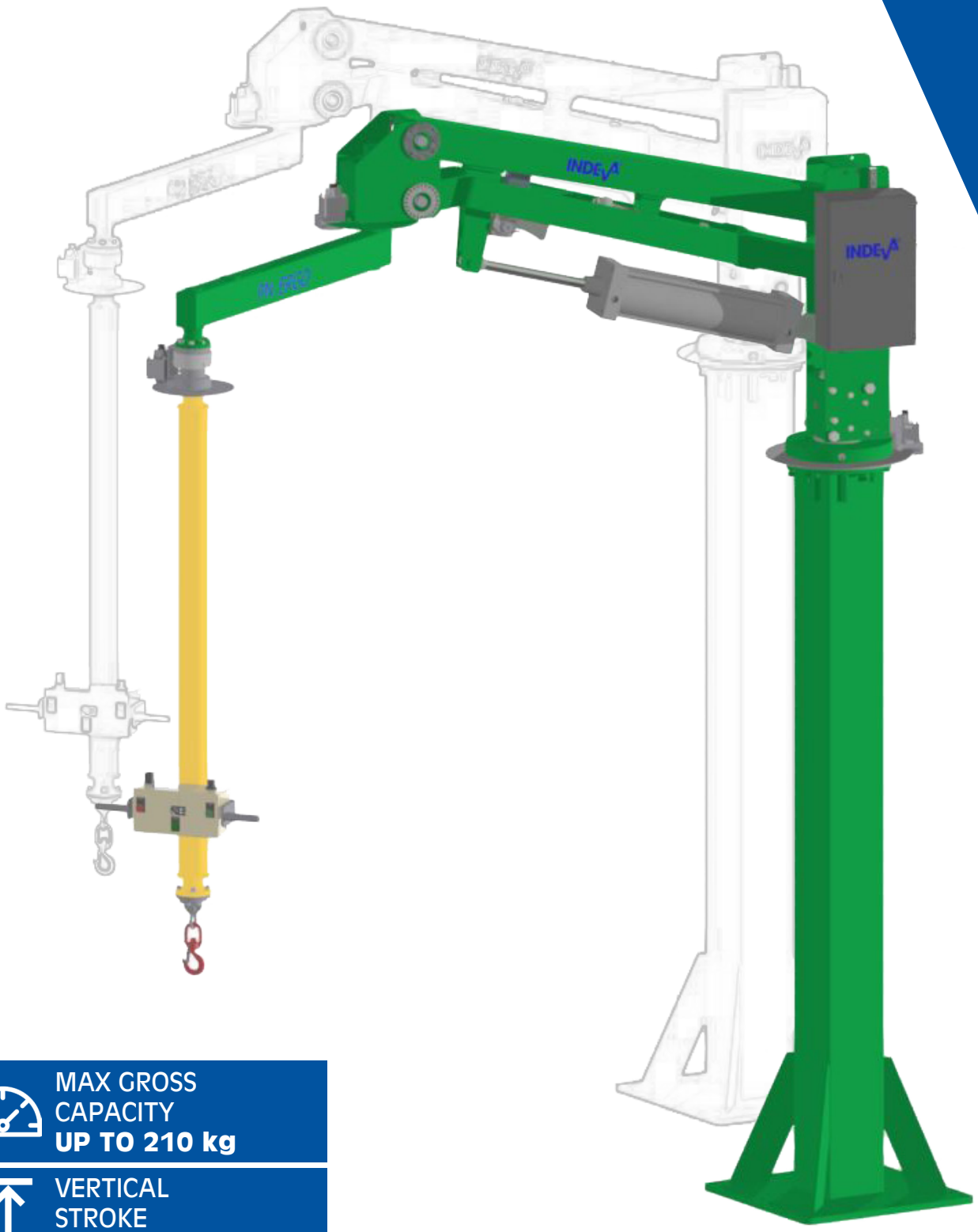
PN SERIES: PN160 COLUMN MOUNTED



MAX GROSS CAPACITY
UP TO 210 kg

VERTICAL STROKE
MAX 2.28 m

OFF-SET LOADS

INDEVA®
INTELLIGENT DEVICES FOR HANDLING

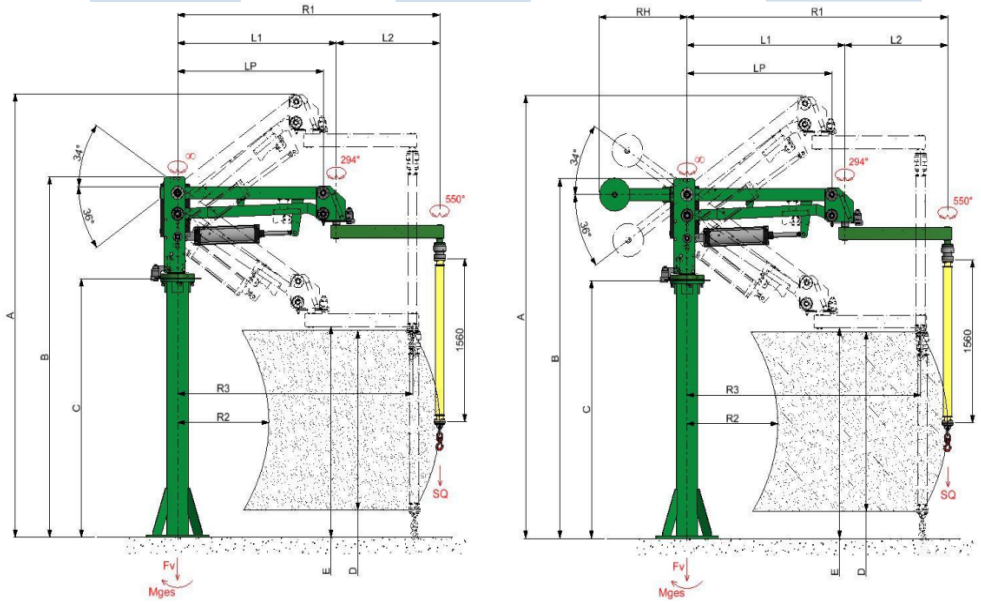
PN SERIES: PN160 COLUMN MOUNTED

INDEVA®
INTELLIGENT DEVICES FOR HANDLING

PN SERIES: PN160 COLUMN MOUNTED

Model		PN160CM		PN160CL	
Counterweights		NO	YES	NO	YES
SQ(1) (Max Load capacity)	kg	160	210	75	120
Mid load capacity	kg	12	12	12	12
Misalignd loads	-	YES	YES	YES	YES
LP	mm	1500	1500	2000	2000
L1	mm	1635	1635	2135	2135
L2*	mm	1065	1065	1365	1365
R1*	mm	2700	2700	3500	3500
R2*	mm	942	942	1238	1238
R3*	mm	2421	2421	3127	3127
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	720	910	680	860
Fv max(3)	daN	825	1050	776	990
Mges max(3)	daNm	845	885	800	865

(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 Nl/min
- Compressed air consuption: 62 Nl 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

PN SERIES: PN160 COLUMN MOUNTED

INDEVA®
INTELLIGENT DEVICES FOR HANDLING

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% ±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