

Key features

The Nordbo Active Compliance unit (NAC) makes it easy to perform tasks that require precise force control. The NAC detects part contact to ensure a soft initial contact between tool and part, thereby preventing over polishing. Calibration of tool weight is done automatically with a simple one-click procedure done in 10 sec. The unit compensates for tool weight in any orientation allowing for precise contact force. All functions can be accessed directly through ethernet. Alternately, the digital IO's can be used to control target force and contact estimation, using a modern web interface for intuitive configuration. The strong and sturdy NAC is IP67 classified, making sure the NAC can be used in the most demanding environments.

- Automatic tool weight calibration
- Configurable via web Interface
- Consistent contact force
- Controller included
- High precision
- IP 67 classified
- Programmable using IO's
- Soft part contact



Applications

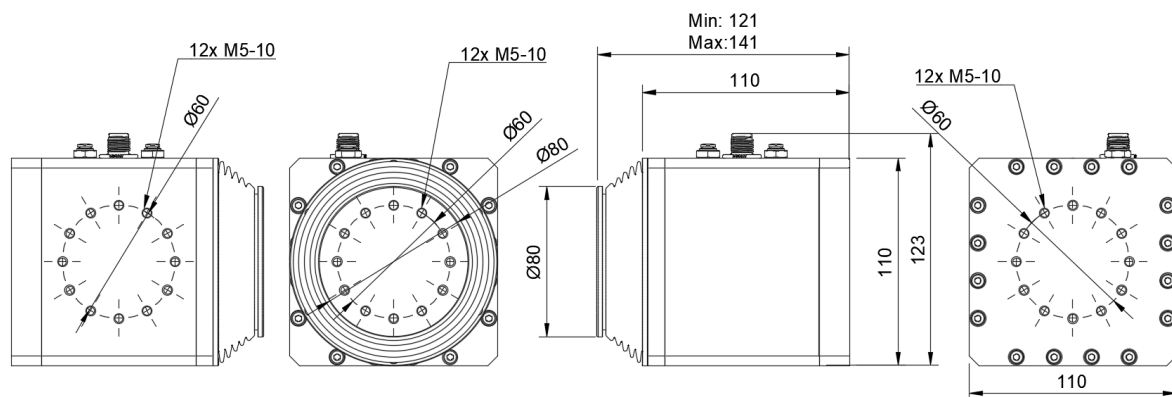
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|------------|-----------|-------------|
| ✓ Grinding | ✓ Sanding | ✓ Deburring |
| ✓ Cleaning | ✓ Buffing | ✓ Polishing |

Technical Specifications

Max force push/pull	150 N / 110 N
Stroke [mm]	20 mm
Max. moment [Nm]	16 Nm
Size (WxH)	110x110 mm
Height (L) min/max	121 / 141 mm
Weight	2,6 Kg
Power supply	DC 24V 2A
Air consumption max	12 L/min
Nominal supply pressure*	6 bars (0,6 MPa)
Max supply pressure	10 bars (1 MPa)
Communication interface	Ethernet TCP/IP and Digital I/O
Operating temperature	0° to 50°
Operating humidity	< 85%

* A minimum of 1 bar is allowed, however max force will be reduced ex. 1 bar ~ max 25N.

NAC-S20-15 Dimensions



Package Content

NAC-S20-15 includes the following:

1x NAC-S20-15 tool unit

1x Controller

1x Power Supply 24V 2A

1x Power Cable

1x Ethernet Cable 2m

Web interface, digital I/O and ethernet

