

# QUALITY FEATURES

## PNEUMATIC ACTUATORS

### SPRING UNITS

Single-acting actuators are equipped with two spring cups, so that the actuator can clearly be recognised as single-acting. Six different spring units are available, depending on the actuator size. The springs are prestressed, allowing the spring units to be replaced safely and easily.

### PISTON GUIDE

Sliding pads and piston rings made of UHMWPE ensure low-friction piston guidance and prevent metallic contact between piston and cylinder.

### CYLINDER

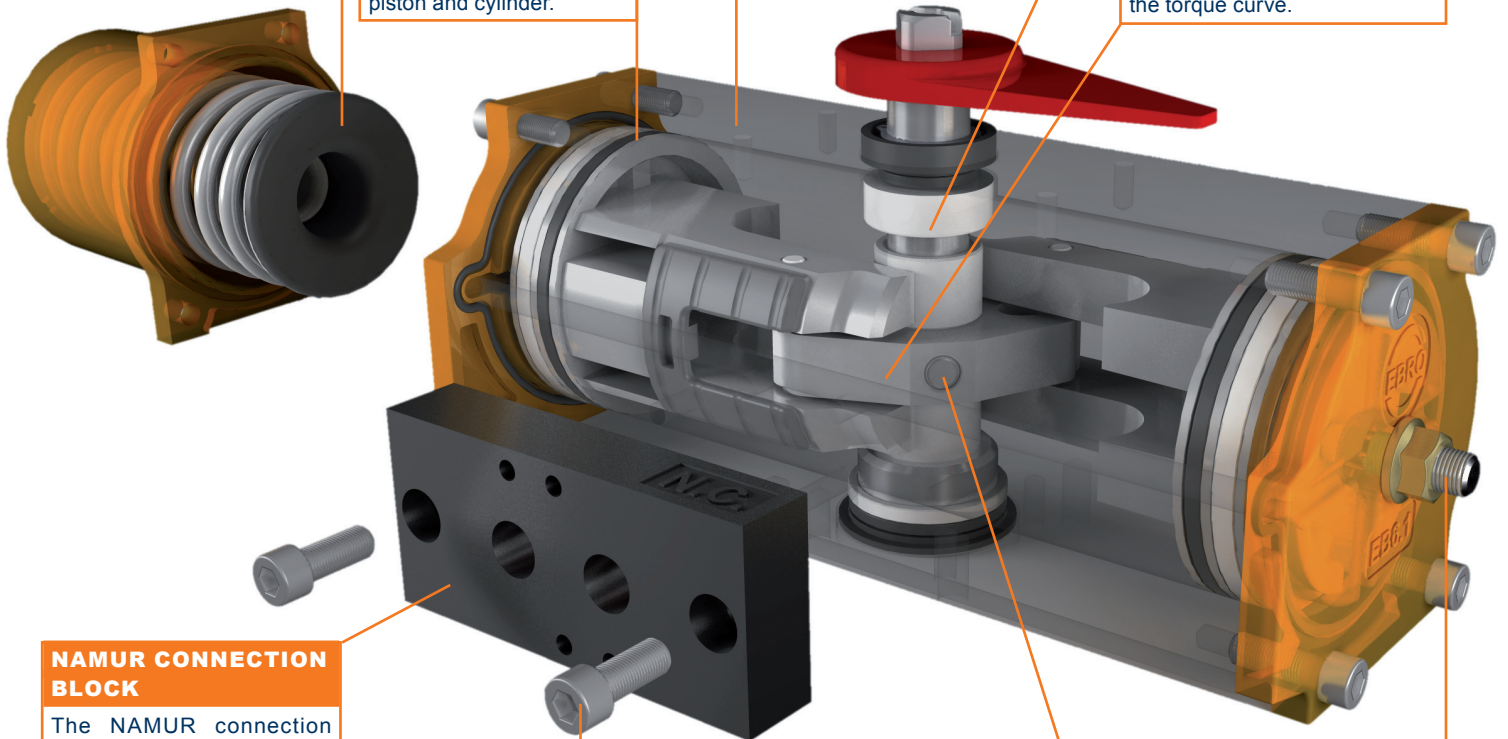
The piston bearing surface of the cylinder tube is precisely machined and anodised. The result: good wear resistance and consistently high efficiency in continuous operation.

### SHAFT BEARING

The multiple shaft bearing reduces friction losses to a minimum and guarantees high efficiency.

### SCOTCH YOKE CONCEPT

The structurally-dependent lever action is optimally matched to the torque curve.



### NAMUR CONNECTION BLOCK

The NAMUR connection block can be rotated by 180° in order to change the function of the solenoid valve from "Normally closed" to "Normally open".

### CORROSION-RESISTANT SCREW CONNECTIONS

All screw connections are stainless steel, thus guaranteeing corrosion protection and safe connection even with aggressive recirculating air.

### PINNED DOUBLE YOKE

The pinned fitting of the double yoke guarantees backlash-free force transmission and protects the shaft from blow-out.

### ADJUSTABLE LIMIT STOPS

The piston limit stop can be adjusted very precisely within a range of  $\pm 3^\circ$ .