

RAPID BELLOWS COMPRESSION TOOL



Where fast, easy and precise installation/removal of metallic bellows is needed, typically in series installation and preventive maintenance operations, the rapid bellow compression tool is used. This technique allows fast axial compression/expansion of bellows using two concentric articulated collars permitting quick opening and closing around the bellow.

Due to synchronised rotation of four threaded rods, the two articulated collars move parallel to each other. The operator originates the rotation using serrated rollers, a crank or a motor. It can be adapted to different bellows that vary in shape and diameter, located in poor accessibility areas or requiring controlled compression and precise mounting.

AREA OF EXPERTISE

- Mechanics

IP STATUS

- Patent application filed

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FEATURES

- Articulated collars surround the bellow.
- Articulated collars move parallel to each other.
- Operated using serrated rollers, a crank or a motor.

APPLICATIONS

- HVAC piping systems.
- Vacuum and High-vacuum Technology.
- General Engineering.
- Bellows Used as Couplings.
- Solar Technology.
- Slip Ring Seal Fittings.
- Shaft Seals.
- Volume/Pressure Compensation.

ADVANTAGES

- Fast installation, the new system is one piece.
- Holds on the entire circumference of the bellow.
- Uniform compression of the bellow.
- Three different ways of manipulation to obtain.

LIMITATIONS

- The new system may require more space compared to existing solutions.

SPECIFICATIONS

- Tool can fit almost any kind of bellow.

