

# Quick-clamp shafts of hollows model UV



## TECHNICAL DATA

Inner diameter of hollows	Ø 40, 76, 152mm
- upon request	Ø 102, 107mm
Max. length of the shaft	400mm
Compressed air	0.4MPa
Max. loading	300kg

## USE

Quick-clamp shafts are used for fixing of slid-on hollows onto supporting (winding/unwinding) shafts. The shafts are delivered standardly for inner diameters of hollows 1.5", 3", 6" (40, 76, 152mm). According to the user's needs the shafts are delivered also for other clamping inner diameters.

## DESCRIPTION

Pneumatic shafts can be operated using a source of treated compressed air 0.6MPa. Clamping pneumatic shafts are delivered with surface treatment as on longitudinal clamping bars, extensible drivers with a central hose or whole-area surface segments. Pneumatic shafts are delivered for maximal weights of builds and keeping co-axial alignment shaft-build. Frictional shafts can be delivered for winding of cut strips. Clamping shafts are delivered with seating on both sides or on one side only (built-in).

Seating ends of the shafts are made of alloyed materials in shape designs according to needs of the users. Cylindrical parts of the shafts are mostly made of aluminium alloys to reduce their weight. The way of clamping of the hollows is determined according to the entered parameters, such as weight, width, max. diameter of the roll and production speed of the equipment. (Material of hollows: cardboard, plastic, metal, AL.)

The shafts, seated on both sides, are single-filled with air using an air gun through a radial or axial filling valve. This opens clamping jaws that provide quick and co-axial carrying of the winding hollows. After completion of winding this compressed air is released; this causes that the clamping jaws retract automatically and the shaft can easily be pulled out from the hollow.

Advantage of shafts seated (fixed) on one side can be found in permanent supply of compressed air during winding/unwinding. Easy manipulation with sliding-on and pulling out the hollows (builds). Filling with compressed air by a manual or electromagnetic valve through a rotary converter.

## ADVANTAGES

Light-weight design with high carrying capacity. Quick clamping and releasing of winding hollows. Maintenance-free design. Co-axial clamping of hollows. The shaft journals can be adapted to any seating on the machine.

<sup>1</sup> Change of technical parameters reserved