



PNEUMAX



• Sensor on the brake

• Manual unlock device

POWER PIVOTS AND ISO 15552 CYLINDERS WITH BRAKE DEVICE

The ultimate brake device for Power pivots and ISO Cylinders, from 80 mm to 125 mm bore.

- Brake device for Power pivots and ISO 15552 cylinders
- No friction - no wear
- High braking capacity
- Radial overall dimensions as compact as possible
- Possibility to deactivate manually the braking
- 1 only brake system for all sizes with high reliability
- Maintenance-friendly

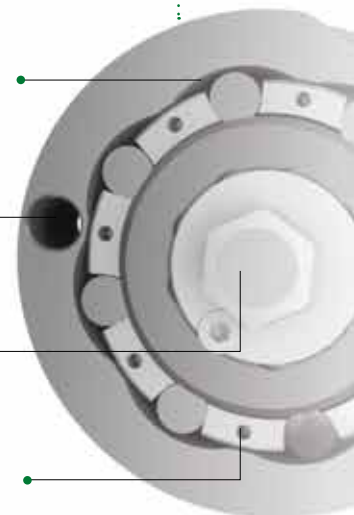
INTEGRATED BRAKE

Internal housing with a plurality of locking seats which are like recesses

Cup-shaped element which retains the rollers. It is locked against rotation by 2 dowels

Braking pin device

Cage-shaped element acts as a support structure. It can rotate but it cannot move away from the bearing



FREEWHEEL PRINCIPLE WITH SPRING-LOADED STEEL ROLLERS



The braking device is not able to rotate, it is locked against rotation but it is axially movable.

The cup-shaped element retains the rollers within an internal housing with a plurality of locking seats which are like recesses in the inner wall of the housing, and they have a conical surface.

The cage-shaped element acts as a support structure.

Activation and deactivation of the brake

The cone-shaped head portion which interacts with the brake assembly allows to obtain a deactivation

of the brake, once it has to be released through a minimum axial movement between the head portion and the braking assembly.

With air, the piston of the second cylinder counteracts the thrust action of the springs and therefore maintains the braking assembly SPACED from the head portion. In the event of a drop of pressure, the counteracting force exerted by the cylinder CEASES, hence it generates an immediate braking action.

MANUAL UNLOCK DEVICE

The rotation through the Allen Wrench allows the deactivation pin to be lifted: it counteracts manually the force exerted by the springs.

A recovery piston for an automatic reset is brought back to the retracted position by air and automatically the unlock plunger rotates back. In this way the brake is reset.

