

# Three-jaw gripper with cam drive

## GD29



### things worth knowing

#### Advantages and uses

- ... high-grip force in combination with robust T-slot guide ...
- ... very reliable and long service life ...



... compact construction ...

- ▶ centrally opening and closing
  - ▶ high precision
    - ▶ any desired installation position
      - ▶ position request possible through inductive proximity switch

#### Characteristics

##### Function

Drive:	pneumatic blade-type cylinders
Power transfer:	cam drive
Guide:	T-slot guide for high moment absorption from all sides

##### Material

Housing:	hard-anodized aluminum
Functional parts:	nitrided steel

##### Maintenance

Recommended at:	.5 million Cycles
Actuation:	filtered high-pressure air (10µm), dry or oiled
Maintenance of the mechanics:	– see owners' manual –

- Sommer-automatic
- Grippers**
- Separators
- Swivel units
- Rotating jaws
- Axial compensators
- Tool changers
- Linear cylinders
- Shock absorbers
- Rotary cylinders
- Air vane motors
- Vacuum components
- Accessories
- Quick finder

### Basic explanations

#### Terms and illustrations

Grip force safety device:	required during pressure loss for maintaining position of workpiece
– pneumatic:	through pressure retention (one-way valve required DSV 1/8)
Total power:	arithmetic sum of the individual elements on the gripping jaws
Closing and opening times:	required time for the gripping jaws to cover the maximum stroke length

### Accessories

#### Accessory recommendation:

▶ Stop levers	Page 372
▶ Rotation limiter	Page 374
▶ Stop-stroke adjusting screw	Page 374
▶ Inductive proximity switch	Page 428
▶ Pneumatic fittings	Page 442
▶ Tubing	Page 444
▶ Control valves	Page 445
▶ Pressure safety valves	Page 447

