

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 ...

Highlight

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

... compact construction ...

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 (10 μ m), dry or oiled
Maintenance of the mechanics:	– see owners' manual –

Basic explanations

Terms and illustrations

Grip force safety device:	required during pressure loss for maintaining position of workpiece through pressure retention (one-way valve required DSV 1/8)
– pneumatic:	
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
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