



# Grippers | Expansion grippers

ID grippers for diameters 8 to 85 mm

ID grippers for diameters 8 to 85 mm



ID-gripper with silicone bellow

PISTON MOVEMENT ADJUSTABLE TO POSITION OF GRIPPED OBJECT, BELLOW IS NOT INFLATED, NO RISK OF BURSTING



Left: initial position | Right: bellow expanded

## Product description

- > Single-acting grippers with high holding force
- > Gripper bellow expanded by pneumatically driven piston, clamps workpiece at its inner surface
- > Ventilation of gripper resets piston and bellow and releases workpiece
- > Piston movement adjustable to position of gripped object
- > Holding force controlled by feed pressure
- > Robust body, made of anodised, high-strength aluminium alloy
- > Elastomer bellows available in EPDM or silicone
- > Easy and non-destructive exchange of bellows

## Notes

- Downward piston movement (workpiece pushed):
- > Clamp the upper (black) part of gripper body or using optional extension tubes or threaded mounting brackets
- Upward piston movement (workpiece drawn):
- > Clamp the bottom (red) part of gripper body

## Technical data

Item no.	For parts having an inner Ø from / to [mm]	Optimal feed pressure [bar]	Weight [g]	Accessories
<b>GR04.F233</b>	34 - 45	8	182	Extension tube GR06.036 (p.211), EPDM elastomer GR04.233-1, Silicone elastomer GR04.233-2, Mounting bracket GR02.284 (p.212), Mounting bracket GR02.229 (p.213)