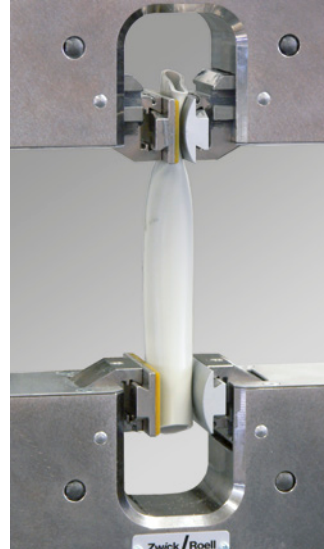


Product Information

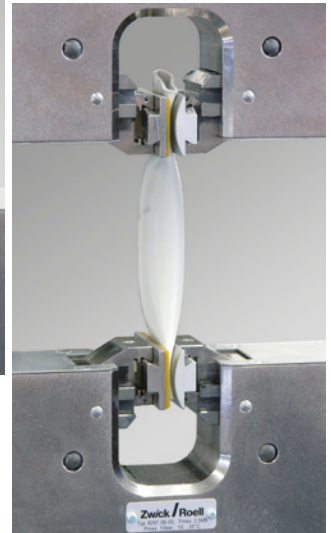
Pneumatic grips type 8297, F_{max} 2,5 kN



Pneumatic grips type 8297 with jaws height 50 mm



Pneumatic grips type 8297 with jaws height 30 mm, below open



Pneumatic grips type 8297 with jaws height 30 mm, below close

Applicational range

Specimen material: Plastics, paper, textiles, elastomers, wood, foils, bonded specimens

Specimen shape: Round and flat specimens (strips or dumbbells)

Type of loading: Tensile, compression and alternating load

Function principle and handling

Pneumatic grips closing symmetrically to the tensile axis. The gripping force is applied via a centrally located pneumatic actuator which transmits the closing movement to the parallel jaws via a lever.

Further features

- Compact design combined with high gripping force
- Symmetrical clamping ensures varying specimen thicknesses are always held precisely within the test axis, saving adjustment time and reducing clamping errors
- Jaws raised proud of the grip body provide clear view and access for optical and mechanical extensometers, even with short gage lengths

- Virtually symmetrical weight distribution avoids transverse forces on the load cell
- Large unimpeded area above the jaws allows convenient specimen positioning and provides sufficient room to accommodate flexible specimen ends
- Dovetail jaw system for quick, tool-free jaw change for the next application
- Clamping-sensitive specimens can be held securely by adjusting the pneumatic pressure, enabling jaw breaks to be avoided
- Constantly available pneumatic pressure enables gripping of specimens which lose thickness during the test
- Adjustable specimen guides are supplied as standard for accurate specimen positioning
- Control of the grips is via self-contained hand or foot control units, or alternatively via the remote control of the materials testing machine. This requires a computer-controlled unit.

Product Information

Pneumatic grips type 8297, Fmax 2,5 kN

Item number	038545
Type	8297
Fmax	2.5 kN
Gripping force at 6 bar	6.5 kN
Gripping force at 10 bar	10.5 kN
Min. pressure / max. pressure	1.5 bar / 10 bar
Height / mounting height	170 mm / 182 mm
Width	210 mm
Depth	82 mm
Max. standard opening width with jaw inserts	20 mm ⁽¹⁾
Specimen gripping	The specimen must be gripped by at least 2/3 of the jaw height.
Weight per grip (without jaws inserts)	4.7 kg
Connection dia.	20 mm
Temperature range	+10 ... +35 °C
Scope of supply	1 Pair
Pneumatic control units:	
1x required	

⁽¹⁾ This standard opening width is the result of the use of jaw inserts with 5 mm thickness.

Jaw inserts required:

Especially type 8287

Alternative type 8487