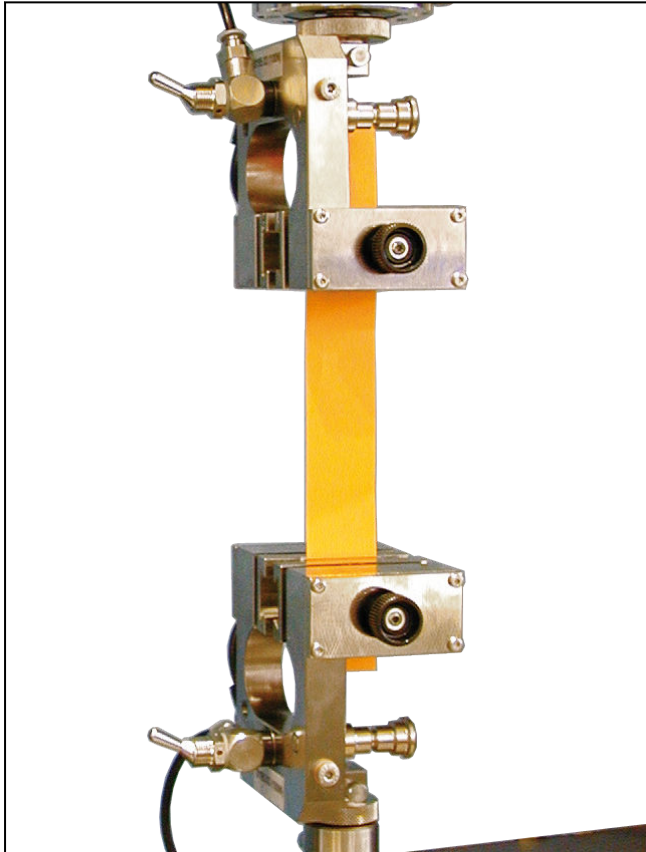


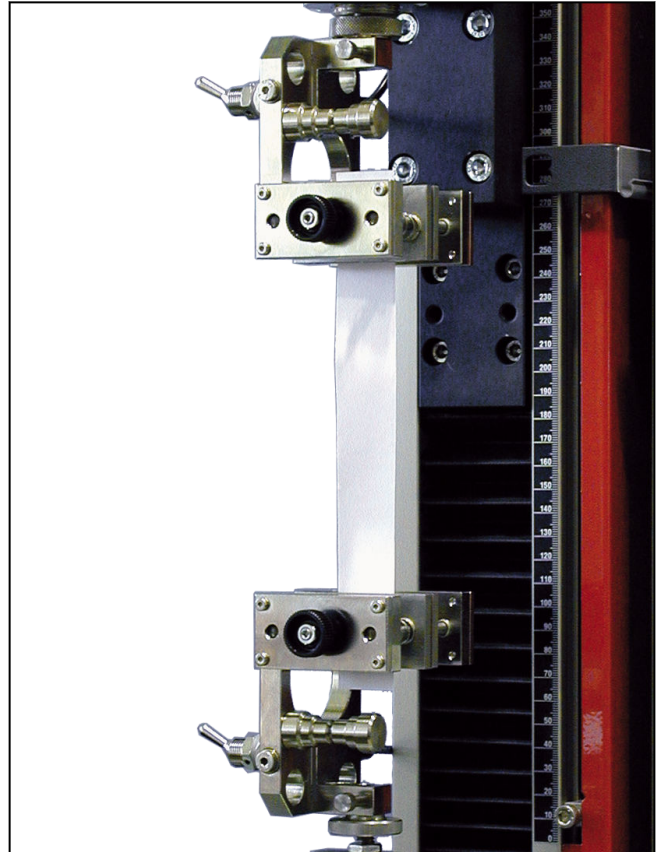
Product Information

Pneumatic grips type 8195, Fmax 50 N and 200 N

CTA: 39530 39487



Pneumatic grips type 8195, Fmax 100 N



Pneumatic grips type 8195, Fmax 50 N

Applications

- Specimen material:
plastics, textiles, paper, non-wovens
- Specimen shape:
flat specimens, films/foils, asymmetrical specimens
- Type of loading:
tensile, compression, alternating load

Function description

The pneumatic grips are single actuator specimen grips. The grips are opened and closed pneumatically and also the gripping force before the test is applied pneumatically via a toggle valve on the specimen grips.

No additional pneumatic control unit is required, however one can be used alternatively.

The opposing jaw features stepless adjustment.

Advantages and features

- Constant pneumatic pressure allows even specimens prone to shrinkage to be held securely.

- Constant gripping force enables repeatable test results to be achieved.
- High specimen throughput thanks to quick specimen insertion and exact centering with insertion aid and guide groove.
- Grips operated via toggle lever for fast, easy specimen changes.
- Adjustable opposing jaw for fast, easy testing, including joined (asymmetrical) specimens
- Ergonomic, open design for fast, easy specimen insertion and clamping

Special features of the pneumatic grips type 8195, Fmax 50 N

- Jaws are already permanently mounted in the specimen grips.

Product Information

Pneumatic grips type 8195, F_{max} 50 N and 200 N

Technical data

Item No. Type	1106775 ¹⁾ 8195	1106776 8195	
Operating principle/identification	With integrated control valve	With integrated control valve	
Test load F _{max}	0.05	0.2	kN
Operating pressure	1 ... 10	1 ... 10	bar
Gripping force at 6 bar	100	400	N
Gripping force at 10 bar	200	700	N
Opening width with jaws	11	6 ²⁾	mm
Gripping travel of pneumatically operated side	6.5	4	mm
Gripping of the specimen	The specimen must be gripped with the entire height of the jaw.		
Dimensions			
Height	90	95	mm
Width	77	100	mm
Depth	60	60	mm
Jaws supplied			
Surface	Vulkollan, smooth	No jaws supplied	
Clamping surface			
Height	30	-	mm
Width	60	-	mm
Hardness	88 ± 3 Shore (A)	-	
Connection, hole	Ø 8	Ø 8	mm
Weight per specimen grip, approx.	405	520	g
Ambient temperature	+10 ... +35	+10 ... +35	°C
Scope of delivery	2	2	piece(s)
Insertion aid	Included	Included	
Pneumatic connection	DN7 quick action coupling		

1) In the 50 N specimen grips, jaws are already firmly included in the specimen grip.

2) The opening width is the result of using jaws with 5 mm jaw thickness.

Accessories required

Pneumatic hoses (1x required)

Description	ArticleNumber
Set of pneumatic hoses for connecting a pair of pneumatic grips; including hose guiding for strain relief	1112640