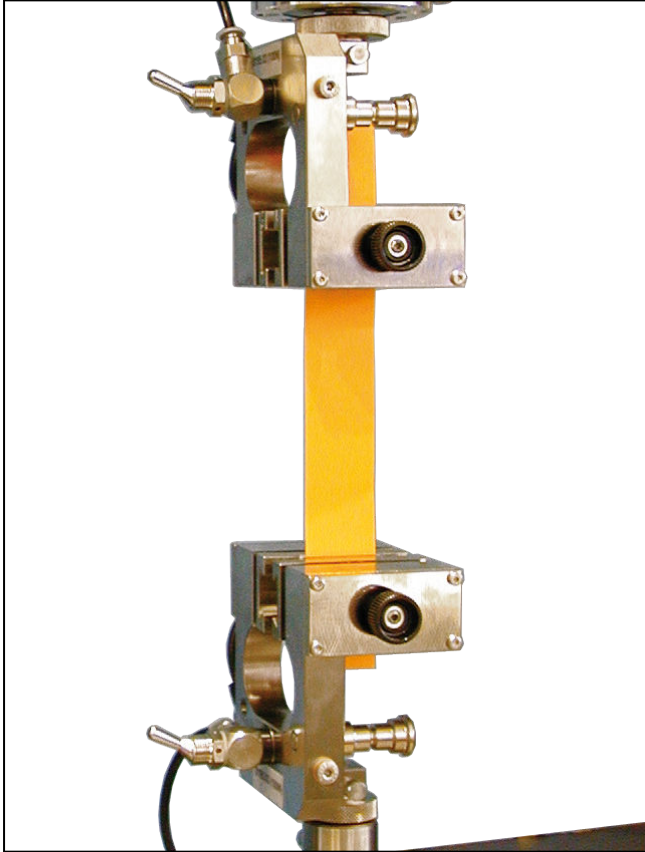


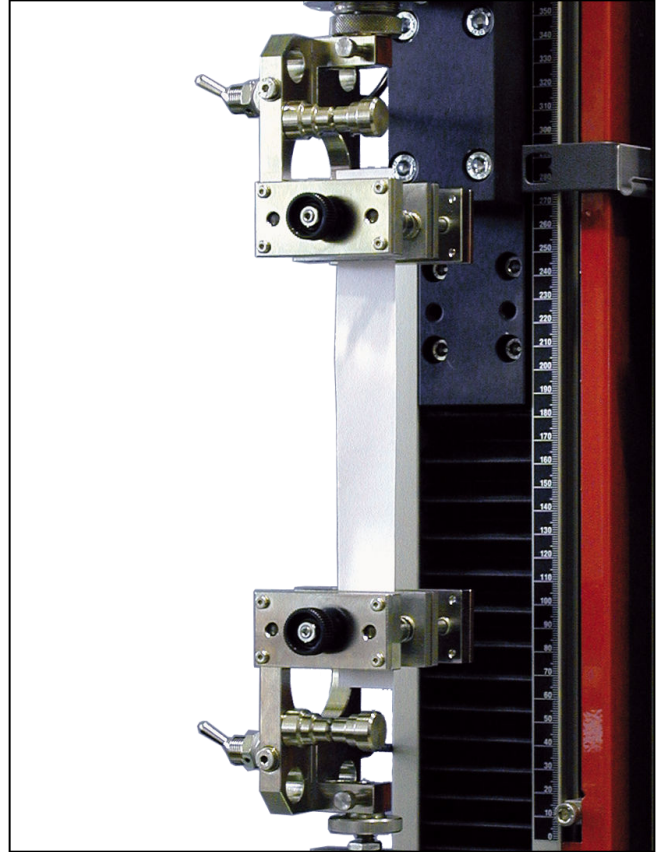
Product Information

Pneumatic grips type 8195, Fmax 20 / 50 / 100 / 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 switch valve on the specimen grips.

It is not possible to change the compression force at the specimen grip.

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 for pneumatic grips type 8195, Fmax 20 N and 50 N

- Jaws are already permanently mounted in the specimen grips.

Product Information

Pneumatic grips type 8195, F_{max} 20 / 50 / 100 / 200 N

Technical data

Type Item No.	8195 318637	8195 318639	8195 353095	8195 353096	
Operating principle/identification	With integrated control valve	With integrated control valve	With integrated control valve	With integrated control valve	
Test load F _{max}	0.02	0.05	0.1	0.2	kN
Gripping force, max. at 6 bar	50	100	200	400	N
Gripping force, max. at 10 bar	140	200	360	700	N
Operating pressure	4 ... 10	4 ... 10	3 ... 10	3 ... 10	bar
Dimensions					
Height	90	90	95	95	mm
Width	77	77	100	100	mm
Depth	60	60	60	60	mm
Supplied jaws					
Surface	Vulkollan, smooth	Vulkollan, smooth	No jaws supplied	No jaws supplied	
Gripping area					
Height	30	30	-	-	mm
Width	60	60	-	-	mm
Hardness	95 Shore A	95 Shore A	-	-	
Gripping travel of pneumatically operated side	6	6	4	4	mm
Opening width, max. with jaws	11	11			mm
Opening width, max. with jaws, thickness 5 mm			6	6	
Gripping of the specimen	The specimen must be gripped with the entire height of the jaw.				
Weight per specimen grip, approx.	380	405	530	520	g
Connection, stud	Ø 8	Ø 8	Ø 8	Ø 8	mm
Ambient temperature	+10 ... +35	+10 ... +35	+10 ... +35	+10 ... +35	°C
Scope of delivery	2	2	2	2	pieces
Insertion aid	Included	Included	-	-	
Pneumatic connection	DN7 quick action coupling				

Optional accessories

Hose connection

Description	ArticleNumber
Hose connection for connecting an additional external pneumatic control unit to pneumatic grips incorporating a control valve. The connection enables actuation of the grips via the external control unit, also allowing alternative operation via foot switch. The hose connection is suitable for all pneumatic control units. Hose length 3 m.	325065