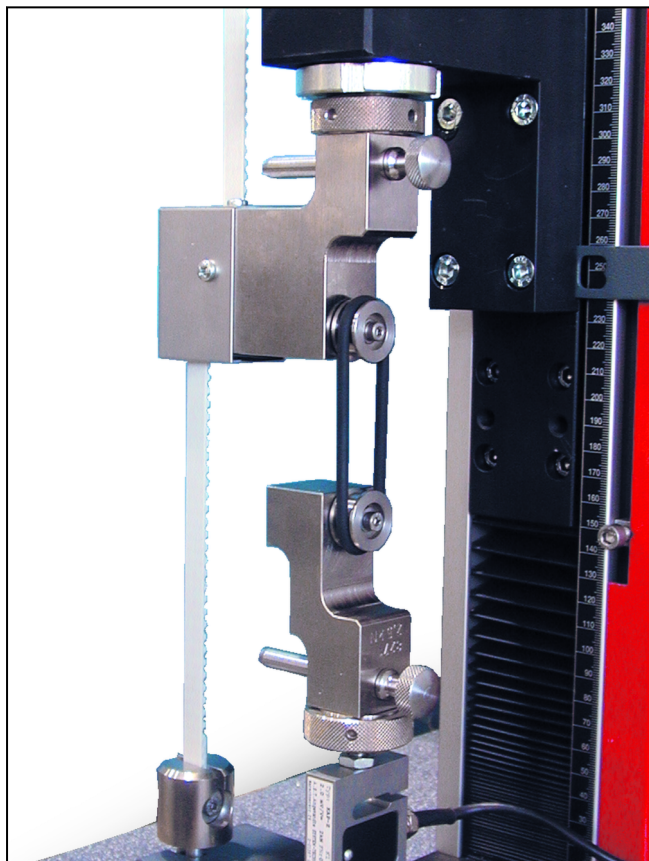


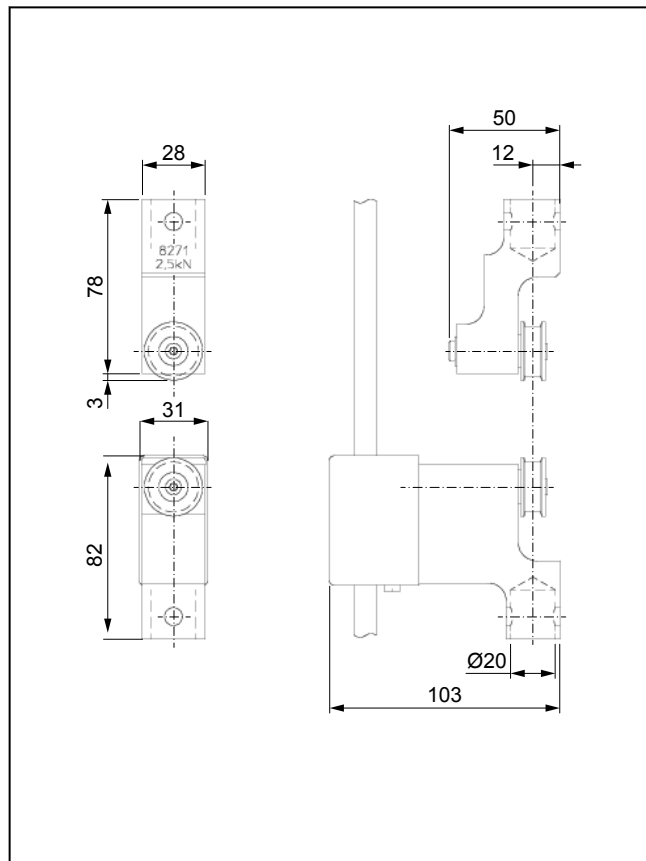
Product Information

Grips for ring specimens Type 8271, Fmax 2.5 kN

CTA: 40578 40580



Specimen grips type 8271 for ring specimens, Fmax 2.5 kN (313444)



Specimen grips type 8271 for ring specimens, Fmax 2.5 kN (313444), dimensions

Applications

- **Specimen material:**

Elastomers

- **Specimen shape:**

Ring specimens to DIN 53 504: Standard ring 1, 2

- **Type of loading:**

Tensile (static, continuous, and pulsating)

The specimen grip for ring specimens can be used for tensile tests on elastomer rings.

The specimen grip has horizontally mounted rollers. A toothed belt or coil spring generates an autonomous rotary motion. This rotary motion facilitates form fitting force transmission.

Advantages and features

- Easy specimen positioning on the freely accessible rollers.

Product Information

Grips for ring specimens Type 8271, F_{max} 2.5 kN

Technical data

Item No. Type	313442 ¹⁾ 8271	313444 ²⁾ 8271	
Operating principle/identification	Spring hinge/coil spring	Toothed belt	
Test load F _{max}	2.5	2.5	kN
Travel, max.	800	Dependent on the load frame stroke	mm
Specimen dimensions			
Width	3 ... 7	3 ... 7	mm
Specimen grip with freely rotatable roller			
Width	28	30	mm
Height	81	81	mm
Depth	51	53	mm
Specimen grip with driven roller			
Width	79	54	mm
Height	102	100	mm
Depth	83	106	mm
Roller diameter			
Standard ring R1	22.3	22.3	mm
Standard ring R2	18.3	18.3	mm
Connection, stud	20 / 20	20/20	mm
Weight			
Specimen grip with freely rotatable roller, approx.	0.5	0.5	kg
Specimen grip with driven roller, approx.	0.9	0.9	kg
Ambient temperature	-40 ... +150	+10 ... +35	°C
Scope of delivery	2	2	pieces

1) Not suitable for ProLine materials testing machine.

2) Not suitable for ProLine materials testing machine >20 kN.