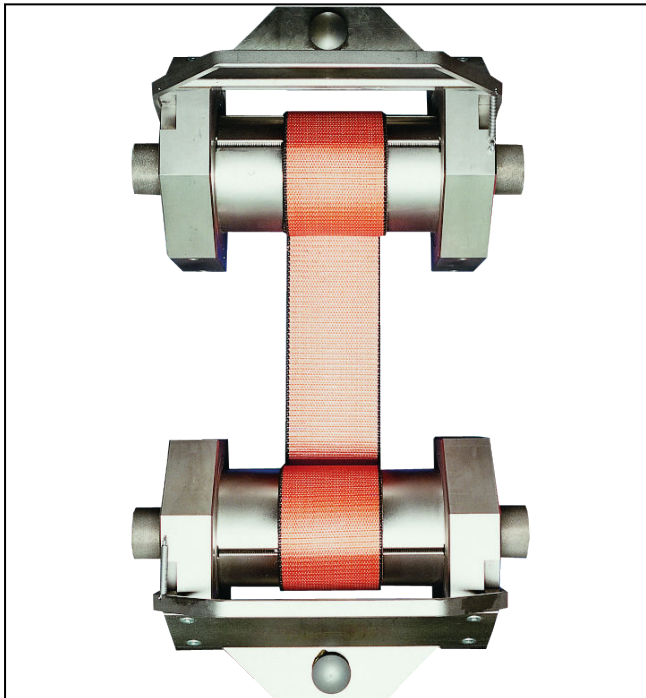


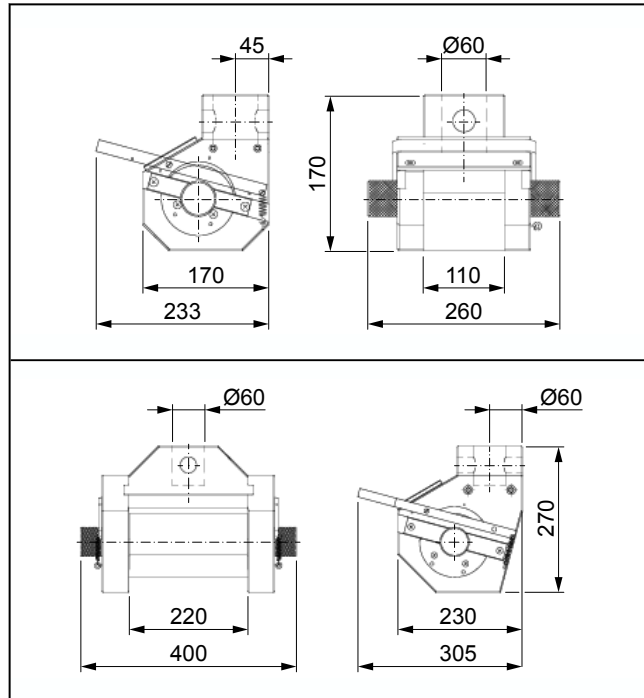
## Product Information

Roller Grips, Type 8564 Fmax 100, Type 8566 Fmax 250 kN

CTA: 40323 40321 40228



Type 8566 roller grips, Fmax 250 kN



General view: Type 8566 roller grips, Fmax 100 kN and Fmax 250 kN

### Applications

- Specimen material:  
textiles
- Specimen shape:  
strips (belt, strap)
- Type of loading:  
tensile

### Function description

These roller grips are used for testing tensile strip specimens.

In tests with these grips optical extensometers are used for accurate strain measurement.

The self-clamping action of the grips is generated by multiple looping of the specimen and the application of tensile force.

The specimen is inserted into a split roller from the front. The looping occurs with the rotation of the roller.

The specimen grip locking bars are monitored for safety in conjunction with the machine electronics.

### Advantages and features

- Ergonomic design for fast, easy specimen insertion
- Low overall height of the specimen grips allows specimens with large elongations to be tested.
- Suitable for tests in temperature chambers
- The grips are suitable for clamping-sensitive specimens.

## Product Information

Roller Grips, Type 8564 Fmax 100, Type 8566 Fmax 250 kN

### Technical data

Item No. Type	313748 <sup>1)</sup> 8564	313840 <sup>1)</sup> 8566	
Test load F <sub>max</sub>	100	250	kN
Dimensions			
Height	210	270	mm
Width	260	400	mm
Depth	170	230	mm
Depth with lever	233	305	mm
Roller diameter	100	130	mm
Roller width (= clamping width)	110	220	mm
Roller surface	steel, pr <sup>2)</sup> 1 mm	steel, pr <sup>2)</sup> 1.5 mm	
Specimen thickness, max.	8	10	mm
Specimen width, max.	-	220	mm
Specimen length, min.	1000	1000	mm
Weight per grip unit, approx.	24	63	kg
Connection, mounting stud	Ø 60	Ø 60	mm
Ambient temperature	-40 to +250	-40 to +250	°C
Scope of delivery	2	2	pieces

1) Only in connection with load cell Xforce K

2) Abbreviations: Pr = diamond pattern