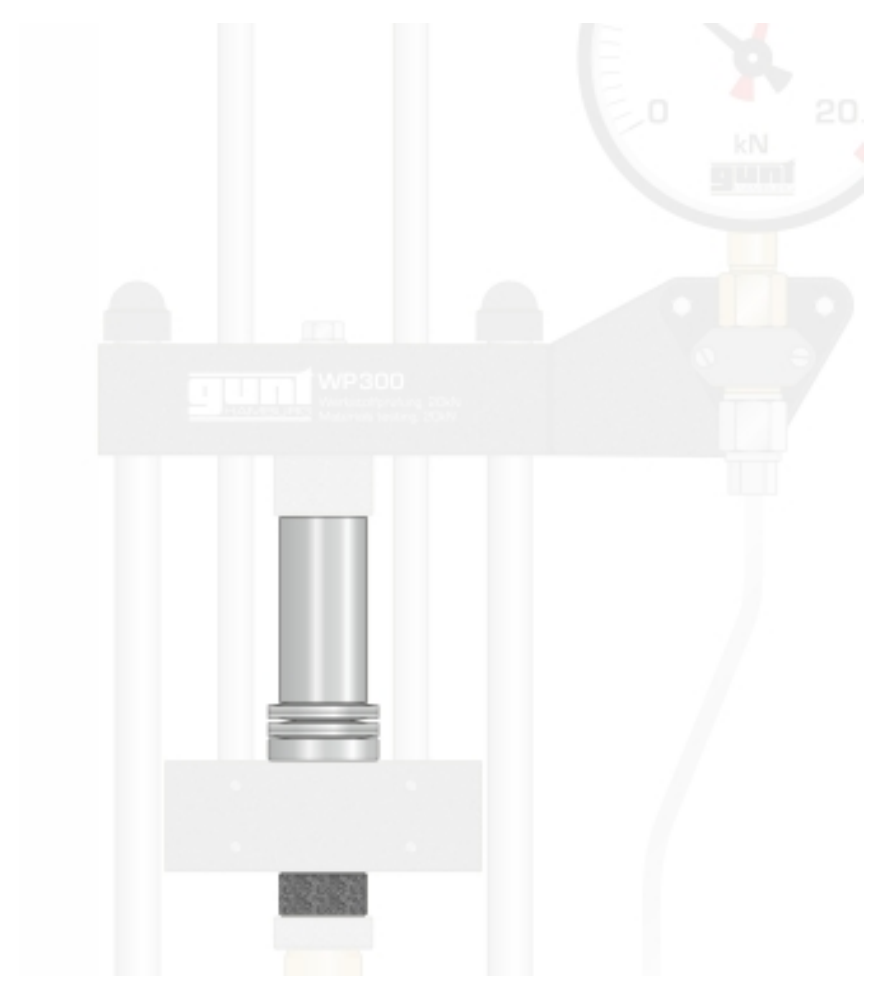
WP 300.07

Experimental setup for spring test, disk spring



Learning objectives/experiments

- spring tests on the WP 300 experimental unit
  - linear relationship between spring force and spring travel
  - determine the spring constants k

Specification

[1] accessory set for spring tests on the WP 300 experimental unit
[2] spring set comprising 4 disk springs

Technical data

4 disk springs DIN 2093
- outer diameter: Ø 50mm
- inner diameter: Ø 25,4mm
- thickness: 3mm
- material: 50CrV4

Dxh: 50x110mm

Scope of delivery

1 holder
1 pressure piece
4 disk springs
1 set of accessories

Description

- **easy to install test device for spring test on the WP 300 experimental unit**
- **spring set with four disk springs**

This accessory for WP 300 allows you to carry out a spring test on a disk spring set.

The spring constant of a spring is often required in practice, since it indicates the ratio between the spring force and the deformation, also known as the spring travel.

This accessory contains a set of four disk springs, one pressure piece and one spring holder. The assembled test device is installed in the compression area of the WP 300 experimental unit, between bottom crossbar and crosshead. The disk spring set is loaded via a pressure plate in WP 300.

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Required accessories

WP 300	Materials testing, 20kN