

FT 901

Drilling kit



Learning objectives/experiments

- familiarisation with the key drilling tools used in engineering and their specific application
- investigation of cutting geometry
 - ▶ cutting angle
 - ▶ clearance angle
 - ▶ incorrect cutter profile

Specification

- [1] drilling tools demonstration collection
- [2] content: 19 different drills, 7 workpieces with specimen cuts, 1 taper shaft MK1 with key and a twist drills grinding gauge for checking point angle
- [3] all parts clearly laid out on a plastic tray
- [4] multiple trays stackable

Technical data

14 twist drills: D=10mm
 1 subland twist drill: D=5mm
 4 centre drills: D=2,5mm

LxWxH: 500x350x110mm (tray)
 Weight: approx. 6kg

Scope of delivery

- 1 complete kit, laid out on a tray
- 1 set of instructional material

Description

■ comprehensive instructional kit of the key drilling tools used in engineering

The kit is used primarily for viewing and information purposes. Exercises or experiments can only be carried out to a limited extent.

It includes 19 different drills, including special types, e.g. a centre drill or a taper pin hole drill. In addition a taper shaft and the associated key, as well as a sliding gauge are included. The cutting geometry has been deliberately changed on some of the drills so that the influence of the cutting angle and clearance angle can be demonstrated.

The kit is clearly laid out on a plastic tray.