

# MG 110

## Instructional kit: assembly with keys



### Description

- practical workshop training relating to feather key joints
- familiarisation with various feather keys, their production, special features and applications

This instructional kit provides the necessary material for students to learn systematically how a hub and a shaft can be joined together in a professional way using feather keys. We recommend that the exercises are carried out in a workshop, as all preparations such as filing, drilling, countersinking and tapping must be carried out in a correct and proper manner by the student.

The material is clearly laid out on a plastic tray.

### Learning objectives/experiments

- production of different feather keys: round ended and straight ended
- assembly of feather key joints: light fit/sliding fit
- familiarisation with the relevant standard designations and terms, including graphical representation
- planning and execution of all steps in the workshop environment
- familiarisation with types of keyed joint
- working with fits and tolerances

### Specification

- [1] set of material for workshop exercises in feather key joints
- [2] shaft with slots
- [3] hub with 1 slot
- [4] hub with 2 slots
- [5] driver sleeve
- [6] 1 set of semi-finished items for the production of feather keys to DIN 6885
- [7] all parts clearly laid out on a tray
- [8] multiple trays stackable

### Technical data

Semi-finished items

- feather key shape AS (round ended): 14x9x65mm
- feather key shape E (round ended): 14x9x142mm
- feather key shape E (straight ended): 14x9x142mm

All parts made from steel, some with gunmetal finish

LxWxH: 500x350x110mm (tray)  
Weight: approx. 18kg

### Scope of delivery

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