

Assembly with Tapered Key Training Kit

Overview

The assembly with tapered keys kit is considered a comprehensive kit which shows different tapered keys used for the assembly of shaft with hubs. The kit includes shaft, two hubs, sleeve and the needed tapered keys for assembly.



Specifications

- The training kit contains all the material needed for students to understand how a shaft is joined to a hub using taper keys.
- The kit includes shaft with slots, two hubs with slots, coupler, key driver, and driver sleeve.
- The material is clearly laid out in a portable tool box provided with handle for an easy access.
- The experiments should be carried out in a workshop, as all preparations must be carried out in a correct and proper way by the student.
- The kit is supplied with an instructional manual that outlines all the necessary technical information and provides a step by-step guide through the experiments

Experiments

- Familiarization with different types of tapered keys and their associated applications.
- Familiarization with different types of keyed joints.
- Performance of shaft and hubs joining exercises using tapered keys.
- Familiarization with the relevant standard designations and terms, including graphical representation.

Technical Data

Material of construction

- » Sleeve, hubs, axe: Stainless-steel material
- » Keys: Galvanized steel

Axe

- » Diameter: 40 mm
- » Length: 400 mm

Two hubs

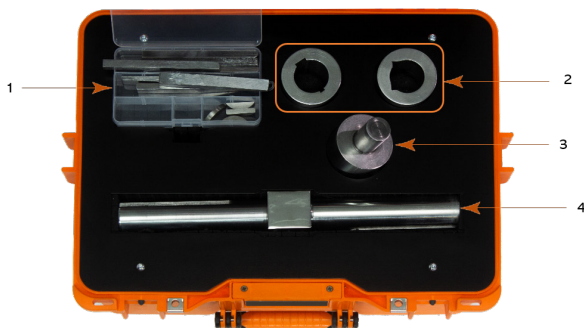
- One-slot hub
 - » Outer diameter: 60 mm
 - » Inner diameter: 40 mm
 - » Slot Dimensions: 10mm*6mm
 - » Slot Dimensions: 10mm*6mm
- Two-slot hub
 - » Outer diameter: 60 mm

- » Inner diameter: 40 mm
- » Slot Dimensions: 6mm*3mm
- » Slot Dimensions: 14mm*5mm sloped to 14mm*4mm

3 keys

- Tapered key
 - » Width: 14 mm
 - » Maximum height: 9mm
 - » Minimum height: 4.3mm
 - » Length: 130 mm
- Keys (W x H x L) = 8 x 10 x 135 mm
- Circular key
 - » Diameter: 40 mm
 - » Thickness: 6 mm
- Sleeve
 - » inner diameter: 40 mm

Components



1	Tapered keys
2	Hubs
3	Shaft
4	Sleeve

Scope of Delivery

- Assembly with Tapered Key Training Kit (Mm - 006)
- Hard copy user manual

Options

- Digital content (BI-01)