

**KL-0500-405**
**Clutch Aligner**
**(German Utility Model)**

**Suitable for SAC-Clutches.**
**Ideal required for vehicles without a guide bearing in the crankshaft.**

The newly developed clutch aligner **KL-0500-405** enables the alignment of clutch plates also on vehicles without a guide bearing in the crankshaft. The two clamping-/ alignment elements ensure accurate alignment in the clutch plate on the first clamping element (Ø 15 - 28 mm) as well as accurate alignment in the guide bearing, respectively the crankshaft bore on the second one (Ø 12 - 28 mm).

Even clutches on engines where the crankshaft bore-Ø is larger than the clutch disc hub-Ø, can neatly and accurately be aligned with this tool.

**Scope of Delivery:**
**KL-0500-405 Clutch Aligner**

Part No.	Description	Qty.
KL-0500-4050	Guide tube (complete)	1
KL-0500-4057-1	Centring pin Ø12 mm	1
KL-0500-4057-2	Centring pin Ø14 mm	1
KL-0500-4057-3	Centring pin Ø15 mm	1
KL-0069-0006	Clamping cone size 2, 22 mm	1
KL-0500-4055	Cone extender	1
KL-0500-4054	Clamping segment set Ø20	1
KL-0500-4056-2	Sliding cone Ø 15 mm, 40 mm long	1
KL-0500-4056-3	Sliding cone Ø 15 mm, 67 mm long	1
KL-0500-4056-4	Sliding cone Ø 15 mm, 75 mm long	1
KL-0500-4056-6	Sliding cone Ø 18 mm, 75 mm long	1
KL-0500-4056-5	Sliding cone Ø 18 mm, 67 mm long	1

**KL-0500-500 K**
**Dual Mass Flywheel Wear-Testing Tool (without dial gauge, degree gauge)**


KL-0500-500 K



KL-0500-50 K

**Universally suitable for vehicles with Dual Mass Flywheel (DMF).**

Indispensable tool for the quick and professional wear tests of Dual Mass Flywheels (DMF).

Tests can be performed directly on the vehicle if the clutch has been removed. The test involves checking the rock allowance (axial play) and the freeplay angle (torsion of the secondary flywheel against the primary flywheel until the tension of the spring can be felt).

**Note:**

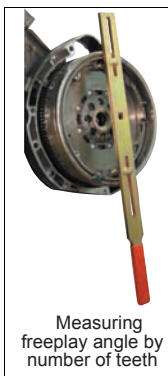
It is generally necessary to test the Dual Mass Flywheel for wear and damage when replacing a clutch. Professional tests are essential as Dual Mass Flywheels that are deteriorated or worn can damage the new clutch as well as the gear box and drive train.

**Advantages:**

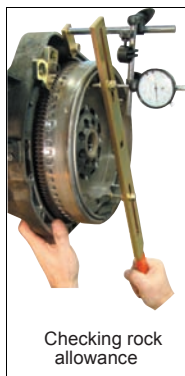
- Universal application.
- Substantial time savings.
- The tool is easy to operate.
- Professional and accurate working.

**Scope of Delivery:**
**KL-0500-500 K Dual Mass Flywheel Wear-Testing Tool (without dial gauge, degree gauge)**

Part No.	Description	Qty.
KL-0500-500	Dual Mass Flywheel Wear Testing Tool dial gauge and degree gauge	1
KL-0043-5990	Plastic storage case	1



Measuring freeplay angle by number of teeth



Checking rock allowance



Measuring freeplay angle with degree gauge

**KL-0500-50 K**
**Dual Mass Flywheel -Wear Testing Tool**
**Scope of Delivery:**
**KL-0500-50 K Dual Mass Flywheel Wear-Testing Tool**

Part No.	Description	Qty.
KL-0500-500 K	Dual Mass Flywheel wear-testing tool without dial gauge, degree gauge (specification see above)	1
KL-4090-302	Degree gauge	1
KL-0128-1	Dial gauge Ø 58 mm	1