

mpotec - Dial Gauge Adaptors/Clamps-Description of models

DGH 4 Part # 20.580.404



New adaptor design!

- precision model with fineadjustment rocker
- For the most rigorous measurements down to the μm range
- Excellent comfort of use
- Very good repeatability of setting
- free of clearance

With dovetail recess for mostly used dial gauges and adapter with cylindrical bore. Int. pat. pending

DGH 3 Part # 20.580.403



New adaptor design!

Standard adaptor for MU and SU articulated stands.

- Very compact
- High stability
- Exact positioning of dial gauge
- Designed for measurements in the 0.01 mm (0.0004") range
- free of clearance

With dovetail recess for mostly used dial gauges and adapter with cylindrical bore. Int. pat. pending

DGH 2 Part # 20.580.402



Basic model, without fine-tuning screw
For use with electronic micron gauges
Compatible with all mpotec articulated stands

General Information: mpotec -Articulated Stands

mpotec instruments are articulated dial gauge stands designed to meet the highest standards of flexibility and precision. The five degrees of freedom of motion are locked and released by means of a single star grip. This allows a quick, flexible positioning of the dial gauge.

The **mechanical** tensioning technique employed produces a very high clamping force which in turn enables the repetition of highly accurate measurements. Manufacturing tolerances are extremely tight and with the high quality of materials used there is practically no wear.

Two models are available: the well-known MU-Series and the smaller SU-Series. Both models are equipped with a new type of dial gauge adaptor that guarantees a highly precise positioning of the dial gauge. The term «dial gauge adaptor» refers to the clamp that connects the dial gauge to the articulated stand.

A significant disadvantage of current models of **dial gauge adaptors** is that their construction, out of two or more components, results in an unavoidable play or slackness in the adaptor. The goal in developing a **new, improved type of adaptor** was therefore to achieve a compact construction having a greater stability, and allowing a more precise and yet simple positioning of the dial gauge.

The solution to this challenge is a new type of adjustable adaptors **consisting of a single shaped part**.

This part forms two opposing legs whose relative position can be fine-adjusted by means of a tensioning screw (DGH 3). A special «micro» model (DGH 4) with a fine-adjustment rocker is also available for measurement precision in the μm range. This new models provide unprecedented ease and repeatability of setting, even with μm -range dial gauges, while maintaining a superior comfort of use.

mpotec articulated stands, with various available models, are the instruments of choice for users seeking the highest standard in measurement precision and instrument durability.

Important: only ORIGINAL mpotec articulated stands guarantee the quality characteristics described in our information and specifications brochures.

Distributing Agent:

BIG KAISER PRECISION TOOLING INC

641 FARGO AVE

ELK GROVE VILLAGE IL 60007-9850

Tel. (847) 228 7660, Fax (847) 228 0881

WEB-Site: www.bigkaiser.com

E-MAIL: bigkaiser@bigkaiser.com

mpotec

by **BIG KAISER**[®]
PRECISION TOOLING INC.

Articulated stand for the demanding user



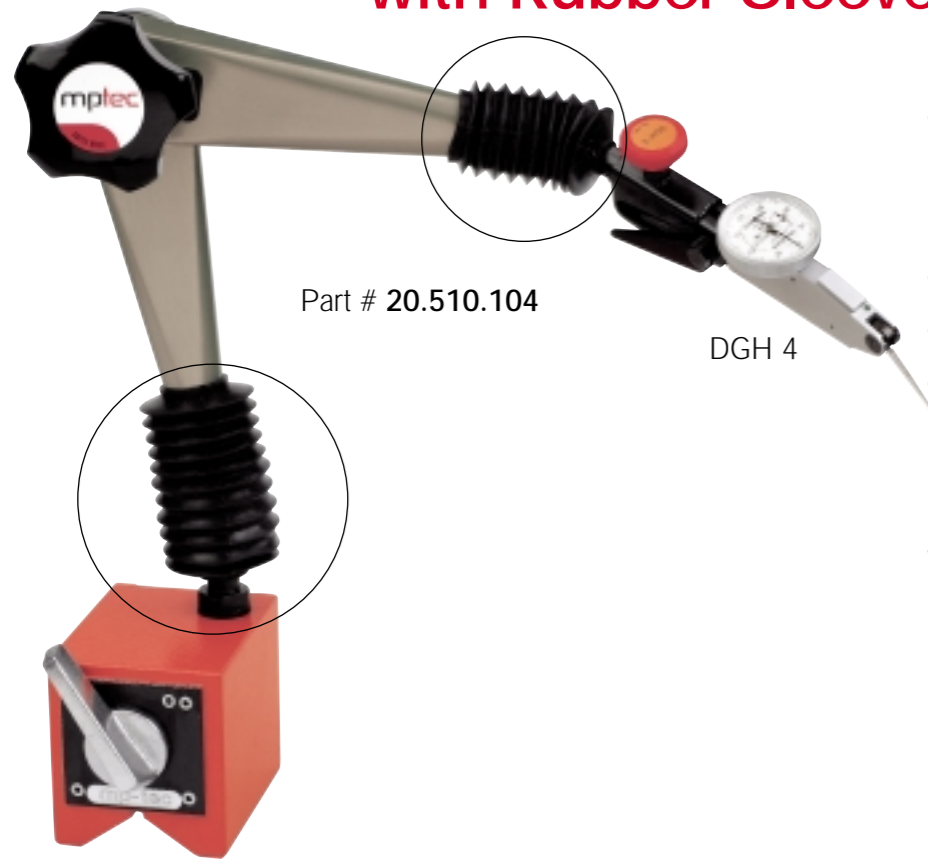
Part # 20.510.104

With micro dial gauge
adaptor design!

For highest positioning precision and
exact measurements in the μm range

- High clamping force
- Extremely flexible
- 360 degrees freedom of positioning controlled by **one** progressive clamping star grip
- Ideal design for use in measurement, inspection (quality control) and machining

mptec – Indicator-Stand with Rubber Sleeves Type MU/F



- Progressive tensioning for better and easier operation
- sturdy
- flexible
- 3-dimensional

Dimensions and technical specifications

Extension capacity of arm, without magnet 370 mm
14.5 inches
Magnet (w x h x d) 52 x 60 x 68 mm
2.05 x 2.36 x 2.68 inches
Load capacity approx. 900 N (90 kg)
200 lbs

Dial gauge adaptors/clamps
Description on page 4

mptec – Indicator Stand with Cast-Iron Base Type MU/FS



Cast-iron base for use on surface plates
Specifications of clamp arm same as type MU/F.
Base with 3-point sliding contact and one flat side for parallel measurement.
Size: 150 x 150 mm
5.9 x 5.9 inches
Weight: 3 kg / 6.6 lbs
(not incl. arm)

Optional feature:
Extension arm to increase the working radius
Size: Ø 22 x 160 mm
0.87 x 6.30 inches

mptec – Small version Type SU/F



- compact construction
- sturdy
- precise

Now even when space is limited you can profit fully of the clear advantages of the **mptec** articulated stands!

Progressive tensioning for optimal operation

Solid magnet base
Extension capacity of arm without magnet 245 mm
9.65 inches
Magnet (w x h x d) 53 x 60 x 36 mm
2.05 x 2.36 x 1.42 inches
Load capacity approx. 500 N (50 kg)
110 lbs

New dial gauge adaptors/clamps
Description on page 4

mptec – Articulated Clamping Arm Type SG



The ideal tension clamp: Precise positioning when glueing, soldering or welding.

This 3-dimensional device will quickly solve all tricky angling problems and enable you to easily position the arm on your own.

On SG types tensioning action is **simultaneous**.

Models:
Type SG 3/4 Arm with one tension clamp each
Part # 20.540.001 No. 3 extension 75 mm
2.95 inches
No. 4 extension 100 mm
3.94 inches

Type SG 4/4 Arm with two tension clamps
Part # 20.540.002 No. 4 extension 100 mm
3.94 inches

- your «third hand» ...

Ask for our special leaflet «mptec Clamping Arms for Special Applications»