

Fixturing systems

Clamping device sets for WERTH ScopeCheck S

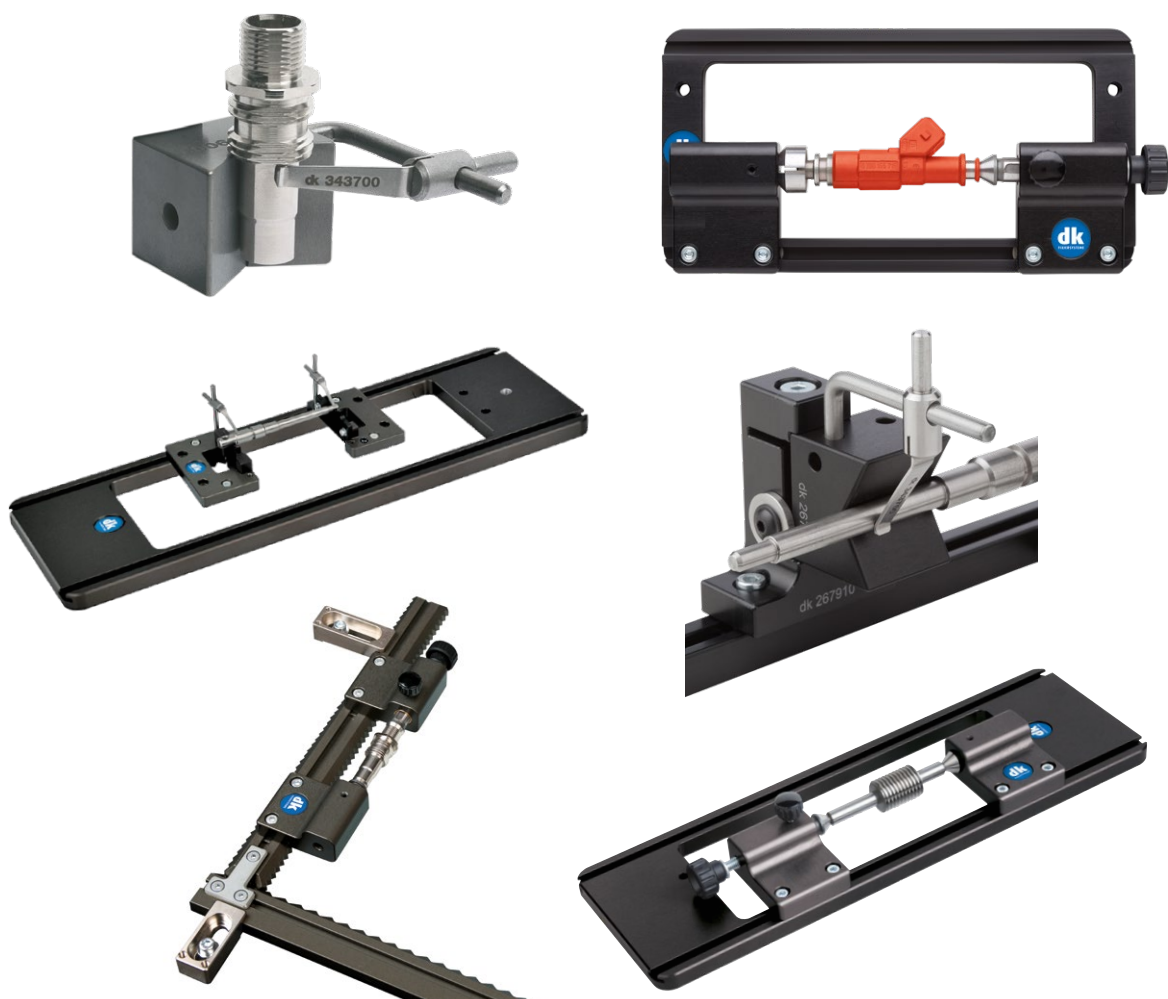


Clamping device sets for Werth ScopeCheck S

A basic rail configuration precisely matched to the equipment and two sets of fixating elements form the basis for the perfect alignment and fixing of many different parts. The modular clamping system from dk solves clamping requirements, as flexibly as the ScopeCheck S fulfills different measuring tasks. The measuring device is designed for measuring turned, milled, injection moulded, punched and formed parts and the basic equipment sets are also designed for this purpose. dk supports near-production measuring with the quick-change pallet: set-ups outside the measuring machine are used to achieve maximum performance by minimising unproductive machine times and simplifying the overall process. For special part geometries many additional clamping elements which are 100% compatible with these basic sets can be found in the dk main catalogue with over 1,000 products.



Basic fixation set for turned parts



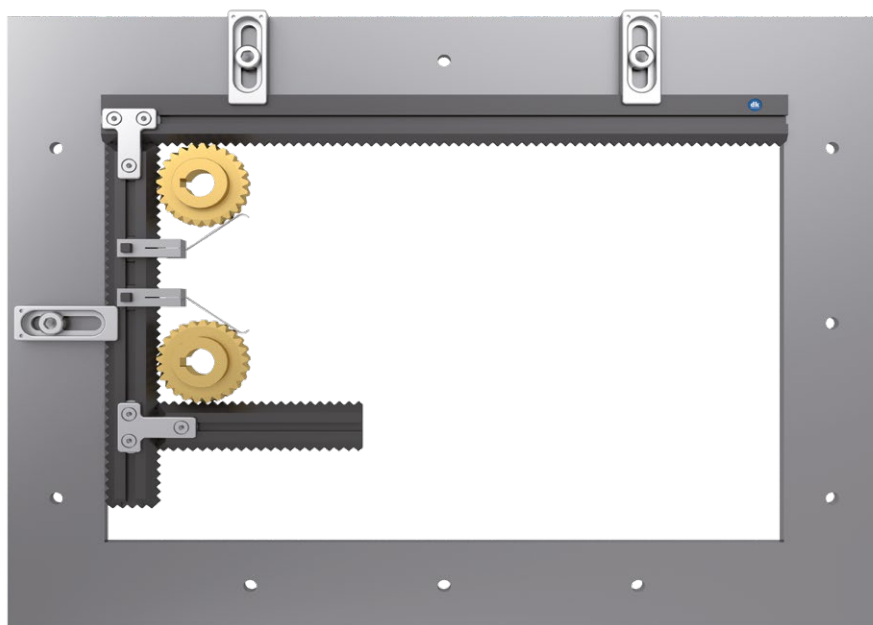
Order number **269977_W01**

Maximum modularity for optimum application flexibility

SCHIENENFIX - the fixating system for multi-sensor metrology equipment

Versatile system modules for optical metrology machines, multi-sensorial equipment, measuring projectors and measuring microscopes. The basis is a modular toothed rail system, which supports the fixating elements directly or via a quick-change pallet system. As an option rigid or adjustable structural elements can be mounted in between to optimally position the test specimens in 3D space. The fine-toothed precision rails make objects with straight edges very easy to measure in transmitted light. The exchangeable pallets enable the set-up outside the measuring machine and the zero point support on the measuring device for a simple and fast measuring process, especially when used close to production.

Basic rail set



Order number
269977

Basic fixation set for milled, moulded, punched and formed parts



Order number
269977_W02

Basic rail set

Order number 269977

1

SCHIENENFIX basic rail

450 mm

Description	Quantity	Order No.
1 side fine toothed (5 mm) system rail with T-slot	1	345420



2

SCHIENENFIX connecting rail

200 mm

Description	Quantity	Order No.
4 side fine toothed (5 mm) system rail with T-slot	1	346020



3

SCHIENENFIX connecting rail

100 mm

Description	Quantity	Order No.
3 side fine toothed (5 mm) system rail with T-slot	1	347220



4

T-connector for toothed rails

Description	Quantity	Order No.
Connecting piece for toothed rails with T-slot	2	348000



5

Clamping claws 35 mm

Description	Quantity	Order number
For clamping the toothed rails to the Werth ScopeCheck S	3	262916



6

Spring finger for horizontal clamping, left

Description	Quantity	Order No.
35 mm	1	349100
50 mm	1	349300



7

Spring finger for horizontal clamping, right

Description	Quantity	Order No.
35 mm	1	349200
50 mm	1	349400



8

Square columns for spring fingers

Description	Quantity	Order No.
Movable and self-locking in a T-slot	4	268500



Basic fixation set for turned parts

Order number 269977_W01

1

Quick-change pallet with view window 200x72 mm

Description	Quantity	Order No.
Basic pallet 305x100x10 mm with T-slot and M6 hole for supporting various fixating elements. The pallets together with the clamping elements can be aligned and clamped on the toothed rails	1	345801



2

Pair of tailstocks for T-slots in toothed rails and pallets

Description	Quantity	Order No.
Can be mounted at any distance apart; with one fixed and one movable centre; incl. centres Ø12 / 60 mm; can be exchanged for other sizes and types	1	349600



Basic fixation set for turned parts (continued)

Order number 269977_W01

3 Prism support set for T-slots in toothed rails and pallets

Description	Quantity	Order No.
Can be mounted any distance apart; one prism is height-adjustable for precise horizontal alignment of stepped shafts; for Ø 8 to 28 mm; incl. columns and spring fingers	1	345100



4 V-block 120° with spring finger

Description	Quantity	Order No.
120° V-block with spring finger for holding rotationally symmetrical parts with a spring finger; for vertical and horizontal positioning of test pieces	1	267900
Matching prism holder	1	267910



Basic fixation set for milled, moulded, punched and formed parts

Order number 269977_W02

1 SWA39 Quick-action clamp for toothed rails and pallets

Description	Quantity	Order No.
For mounting in T-slots of toothed rails and pallets	1	273320



2 SWA39 Quick-action clamp 90° angle element

Description	Quantity	Order No.
For adaption to the SWA39 quick-action clamp	1	283300



3 50 mm precision vice

Description	Quantity	Order No.
With SWA39 interface. Incl. adjustable stop, clamping width extension from 35 to 75 mm and pins for raised part positioning	1	282100



4 Quick-change pallet with view window 200x72 mm

Description	Quantity	Order No.
Basic pallet 305x100x10 mm with T-slot and M6 hole for supporting various fixating elements. The pallets, together with the clamping elements can be mounted and clamped on the toothed rails	1	345801



5 Rotary unit with fine adjustment and indexing

Description	Quantity	Order No.
Infinite rotation, incremental locking every 30° can be activated, interface for all clamping elements with SWA5 adapter such as small part holder and small chuck	1	314900



6 Small-parts clamp with stepped jaw

Description	Quantity	Order No.
Fixation of small parts by spring tension; SWA5 adaption	1	266100





TACTILE MEASURING



OPTICAL MEASURING



MACHINE VISION & SENSOR



CONTOUR & SURFACE MEASUREMENT



COMPUTED TOMOGRAPHY



3D LASER SCANNING



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modular. simple. better.

The whole world of fixating, clamping and positioning

The ca. 1,000 parts of the comprehensive standard modular system of the dk fixation systems for measurement technology offers the following advantages:

- » Tried and tested modular system that has grown over decades
- » Modularity across different programmes
- » Solutions for every positioning task
- » Economic efficiency through synergy effects of several sector solutions

SWA39



SPANNFIX PRO



SPANNFIX ECO



QUADERFIX



SCHIENENFIX



MICROFIX



SWA39CT



SPEZIALFIX



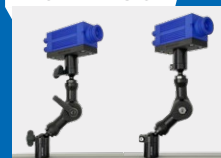
SWA39SURF



ARTICULATED SYSTEMS



MACHINE VISION



FAST
REASSEMBLY
LIFELONG

The basic principle of all dk FIXIERSYSTEME!

Our fixtures have a modular design, may be dismantled at any time and reassembled to their initial state. The compatibility of dk FIXIERSYSTEME ensures perfect utility value.