

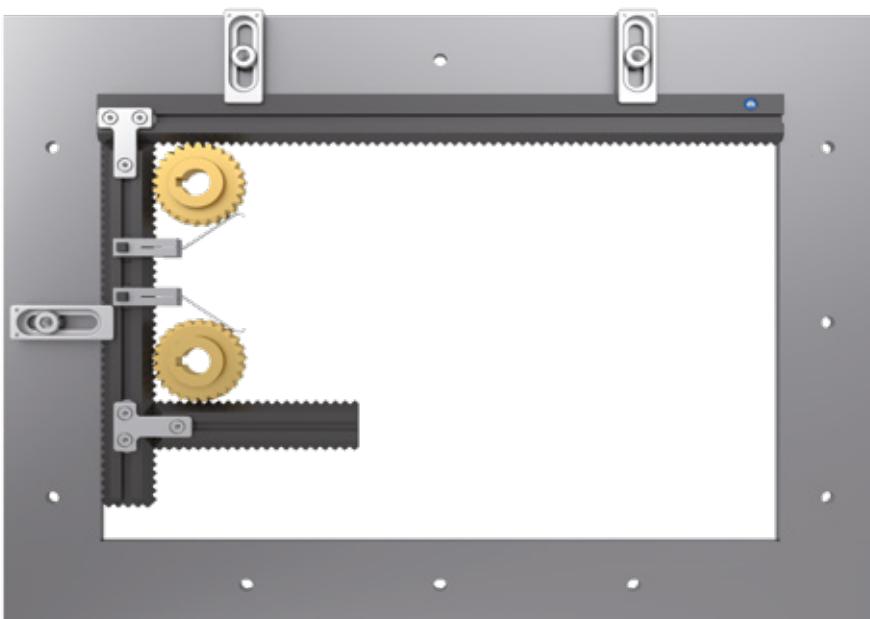


# Maximum modularity for optimum application flexibility

## **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.

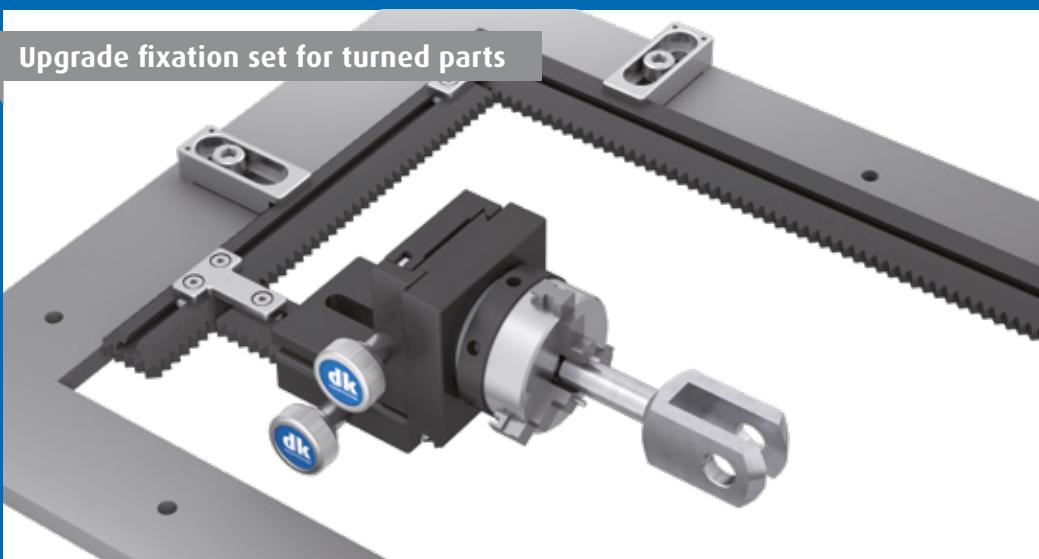
### Basic rail set



Order number for  
Optiv Classic 322:  
269999\_300

Order number for  
Optiv Classic 432:  
269999\_400

### Upgrade fixation set for turned parts



Order number for  
Optiv Classic 322 and 432:  
269999\_D02

## Clamping device sets for HEXAGON Optiv Line Classic 332 and 432

Two basic rail configurations matched to the respective equipment size and two sets of fastening elements form the basis for the perfect alignment and fastening of rotationally symmetrical components, because this is where HEXAGON Optiv Classic 332 and 432 show their particular advantages. The sets are designed as basic equipment for many different part geometries and measuring tasks. For further turned, milled, punched or cast parts, fixation solutions can be found in the dk catalogue with around 1,000 parts as sets or individual elements. Just as the HEXAGON device platform ensures a high degree of individualisation through maximum modularity, the modular fixation system

from dk guarantees the correct individual solution for every measuring process. With our products we ensure fast and reliable positioning for all part geometries, material qualities, production methods and industries, in single or multi-clamping for effective use of the measuring equipment. The quick-change pallet enables set-ups outside the measuring equipment to achieve maximum productivity by minimising unproductive machine time. Thus, dk's fixation solutions perfectly support the basic objectives of the measurement software from HEXAGON MANUFACTURING INTELLIGENCE.



### Basic fixation set for turned parts



Order number for Optiv Classic 322 and 432: 269999\_D01

# Basic rail set Optiv Classic

Components in the sets with order numbers:

**322**

269999\_300

**432**

269999\_400

**1**

## SCHIENENFIX basic rail

**350 mm    450 mm**

Description	Quantity	Order No.	Order No.
1 side fine toothed (5 mm) system rail with T-slot	1	345220	345420



**2**

## SCHIENENFIX connecting rail

**200 mm    250 mm**

Description	Quantity	Order No.	Order No.
4 side fine toothed (5 mm) system rail with T-slot	1	346020	346220



**3**

## SCHIENENFIX connecting rail

**100 mm**

Description	Quantity	Order number
3 side fine toothed (5 mm) system rail with T-slot	1	347220



**4**

## T-connector for toothed rails

Description	Quantity	Order number
Connecting piece for toothed rails with T-slot	2	348000



**5**

## Clamping claws 45 mm

Description	Quantity	Order number
For clamping the toothed rails to the measuring table	3	262928



**6**

## Spring finger for horizontal clamping, left

Description	Quantity	Order number
Simple workpiece holding, infinite adjustment via T-slot	1	349100



**7**

## Spring finger for horizontal clamping, right

Description	Quantity	Order number
Simple workpiece holding, infinite adjustment via T-slot	1	349200



**8**

## Square columns for spring fingers

Description	Quantity	Order number
Movable and self-locking in a T-slot	2	268500



# Basic fixation set for turned parts on Optiv Classic 322 and 432

Components in the sets with order numbers: 269999\_D01

## 1 Quick-change pallet with view window 200x72 mm

Description	Quantity	Order number
Basic pallet 305x100x10 mm with T-slot and M6 hole for supporting various fixating elements. The pallets together with the fixating elements can be mounted and clamped on the toothed rails	1	345801



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

Description	Quantity	Order number
Mounting at any distance; with one fixed and one movable centre, incl. Ø12 / 60 mm centres; exchangeable for other sizes and forms	1	349600



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

Description	Quantity	Order number
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 number
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



# Upgrade fixating set for turned parts on Optiv Classic 322 and 432

Components of the sets with order number: 269999\_D02

## 5 SWA39 Quick-action clamp for T-slots in toothed rails and pallets

Description	Quantity	Order number
Quick-action clamp for mounting in T-slots of toothed rails and pallets; aligned using centring pins; for supporting all the fixating elements of the SWA39 system	1	273320



## 6 SWA39 Quick-action clamp 90° angle element

Description	Quantity	Order number
Quick-action clamp 90° angle element for adaption to the SWA39 quick-action clamp; for positioning the fixating elements of the SWA39 system horizontally	1	283300



## 7 SWA39 50 mm precision three-jaw chuck

Description	Quantity	Order number
Hand operated three-jaw chuck with tool-free reversible jaws for internal and external clamping of rotationally symmetrical workpieces; with holes and pins for holding parts in a raised position to enable access from all sides	1	329705





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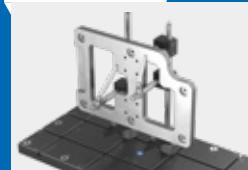
The digital version of our catalogue is available here:  
[www.dk-fixiersysteme.de](http://www.dk-fixiersysteme.de)

## The entire world of fixating, clamping and positioning.

SWA39



SPANNFIX PRO



SPANNFIX ECO



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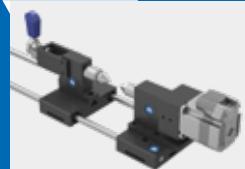
SCHIENENFIX



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SPEZIALFIX



The basic principle of all dk fixturing systems:  
"Fast Reassembly Lifelong"

Our modular fixtures can effortlessly be disassembled and precisely reassembled at any time. The compatibility of the fixturing systems make the utility value perfect.



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