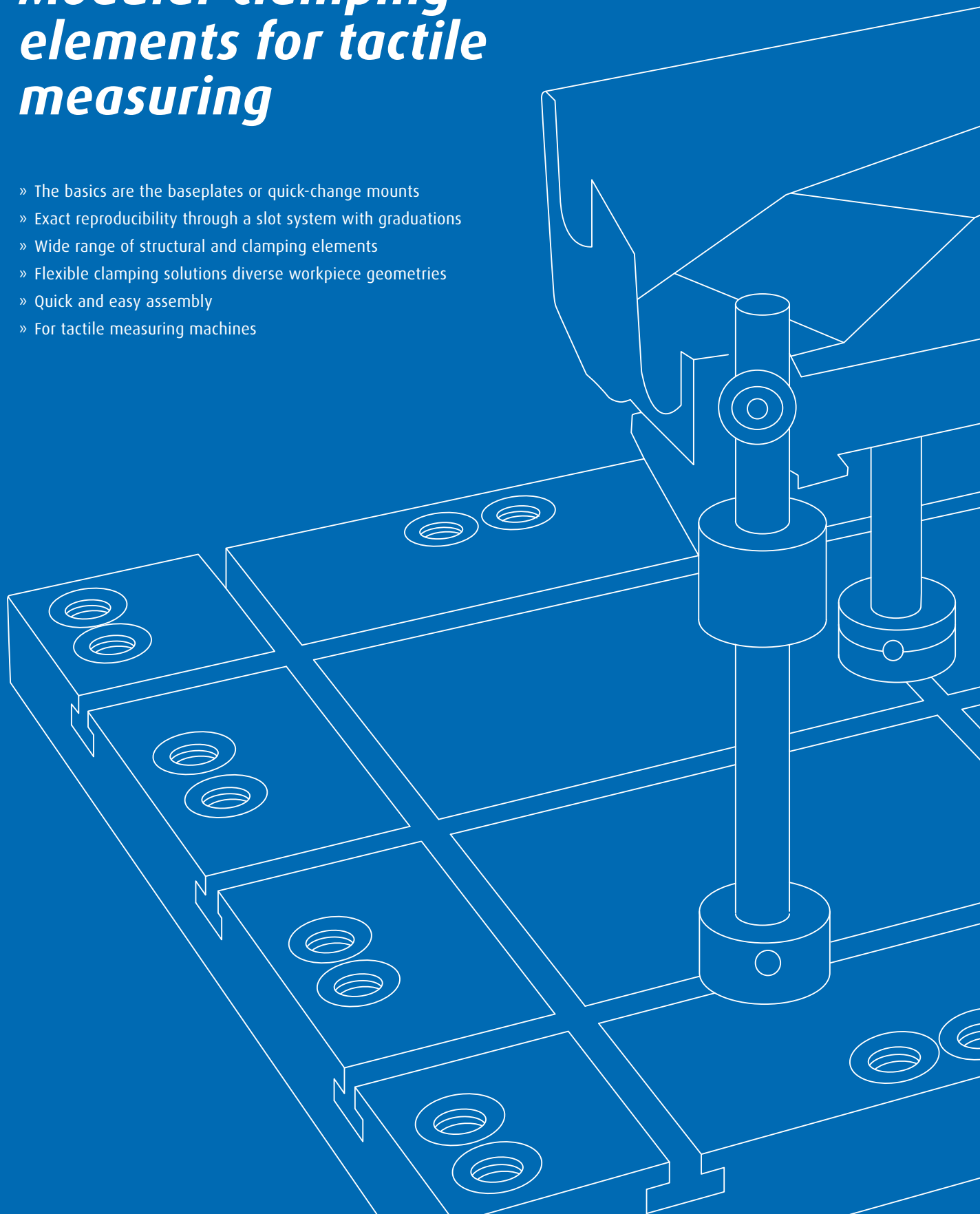


SPANNFIX PRO

Modular clamping elements for tactile measuring

- » The basics are the baseplates or quick-change mounts
- » Exact reproducibility through a slot system with graduations
- » Wide range of structural and clamping elements
- » Flexible clamping solutions diverse workpiece geometries
- » Quick and easy assembly
- » For tactile measuring machines



Basic elements
+ accessories



Baseplates with T-slots

Page 104



Intermediate plates

Page 105



Mounting frame with T-slots

Page 106

Structural elements
+ accessories



T-slot nuts

Page 108



T-slot screws

Page 108



Satellite mount with slot key

Page 109



Base rails M 10

Page 110



Base rails M 10 XL

Page 111



Hexagonal extensions M 8 and M 10

Page 112



Self-aligning pads M 10

Page 113



Jack screws M 10

Page 113



Quick-change adapter M 10

Page 114



Screw jack set with spring finger

Page 115



T-slot 6 columns for arm construction, with holder

Page 116



Columns without holder

Page 117



Column cross connector D 12 and M 10

Page 117



Support arm

Page 118



Pins for support arm

Page 119



Bridge supports

Page 120



Mounts with slot

Page 121



Pair V-block halves

Page 121



Adjustable stop

Page 122



Extensions for clamping supports

Page 124



Pairs of V-block halves

Page 125



Side clamp with draw-down jaw

Page 125



Thread reducer

Page 126



Columns with screw

Page 127



Articulated arms

Page 128

Clamping elements
+ accessories



Spring fingers

Page 130



Columns with screw for spring fingers

Page 131



Adapter plates for columns

Page 132



Spring finger with quick-change adapter

Page 133



Toggle clamp with support

Page 134



Parallel clamps

Page 136



Parallel clamps with guide pin

Page 137



Tension clamp

Page 138



Prism support with spring finger

Page 138



Clips

Page 139



Pair of V-block halves for mounting directly on clamping elements

Page 140



Tailstock

Page 142

Vacuum systems
+ accessories



Suction cups

Page 144



Vacuum pumps

Page 146



Vacuum pumps for compressed air operation

Page 146

SWA 39 connection
+ accessories



Quick-action clamp for T-slots

Page 148



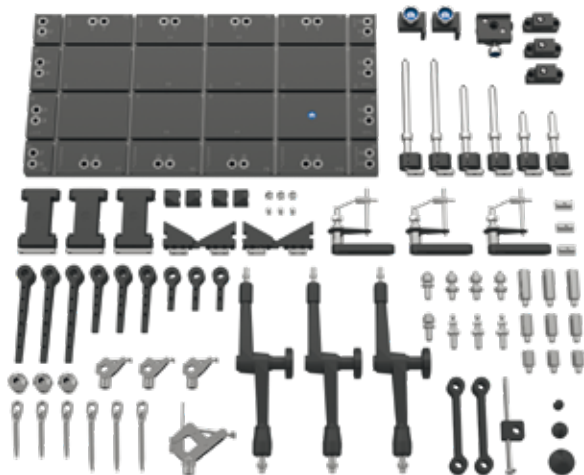
SPANNFIX PRO basic set

Page 150



SPANNFIX PRO expansion set

Page 151



SPANNFIX PRO complete set

Page 152

Precisely reproducible fixtures with scales and angular alignment

SPANNFIX PRO modular system fixtures for exact positioning, fixating and clamping of complex geometries while maintaining maximum workpiece accessibility. Comprising basic, structural and clamping elements which can all be connected to each other over standardised interfaces. In the interests of overall cost-effectiveness and sustainability, the configurations can thus be repeatedly dismantled and rebuilt identically or completely anew. Especially during product development, where changes are usually made, the structure can be easily adapted to changed dimensions or forms. Instead of shelf-filling special clamping elements of classical fixture construction which cannot be adapted, and are therefore scrap after the product life cycle of the test part, professionals use modular systems with intelligent components. Since these only make sense when enough different basic, structural and clamping elements form a functional program, SPANNFIX PRO offers not only a wealth of individual parts, but also their trouble-free combination with other dk fixation systems.



**FAST
REASSEMBLY
LIFELONG**

Basic elements

- 1 Baseplate with T-slots (page 104)
Other baseplates (pages 105-107)



Structural elements

- 2 T-slot 6 columns (page 116)



- 3 Support arm (page 118)



- 4 Satellite mount (page 109)





Clamping elements

- 5 Hexagonal columns M8 + M10 (page 112)
Other columns (pages 116-117)



- 6 Adjustable stop (page 122)



- 7 Spring fingers (page 130)
Others (page 133)



- 8 Toggle clamp with support (page 134)



Baseplates with T-slots

Description

Baseplates with T-slot 6 and connection threads. With scale for exact and reproducible positioning of fixture elements.

Material

Hard-coated aluminium / Stainless steel tapped bushes

↳ Custom-made versions available on request. See pages 150 to 153 for complete sets with fixture elements.



With scales

Order No.	Dimensions	Scale	Long/cross slots	Thread	Weight
281200	400 x 400 x 24	yes	4/4	M 8	10.2
280500	500 x 250 x 24	yes	2/4	M 8	10.5
280800	600 x 300 x 24	yes	3/5	M 8/M 10	12.4
280900	800 x 400 x 24	yes	4/6	M 8/M 10	22.4

Application example



Intermediate plate T-slot 6

Description

Plates with T-slots for mounting on baseplates with T-slots or M6 mounting threads. For X/Y adjustment.

Material

Hard-coated aluminium.



Order No.	No. of slots	Length	Width	Height	Weight
325100	3	117	117	20	0.68

T-Nut 6

T-Nut 6
M 6

Accessories



Handgrip

Description

Grip for mounting in a T-slot to ease transporting the baseplates with T-slots.

Contents

1 set of 2 handgrips with fasteners.



Order No.	Length	Height
328500	150	45

T-Nut 6

Mounting frame with T-slot

Description

Slot rails with T-slot 6, can be joined to form angle constructions or complete frames. With scales for exact and reproducible positioning of fixture elements.

Material

Hard-coated aluminium.



Frame construction as set

Order No.	Description	Length	Width	Height	Weight
281600	Frame construction	500	300	24	3.6
281900	Frame construction	650	410	24	4.3

Individual elements

Order No.	Description	Length	Width	Height	Weight
281730	Cross rail	300	30	24	0.5
281735	Cross rail	350	30	24	0.6
281750	Long rail	500	30	24	0.8
281760	Long rail	600	30	24	1.1
281700	Screw set				0.1

Application example



+ Plate clamping claws with stop

Description

A set of clamping claws for the 24 mm thick dk slot plates. The claws are screwed onto the measuring machine table. Check the table thread sizes before ordering. These elements provide a stop for repeat accuracy while simultaneously securing dk baseplates.



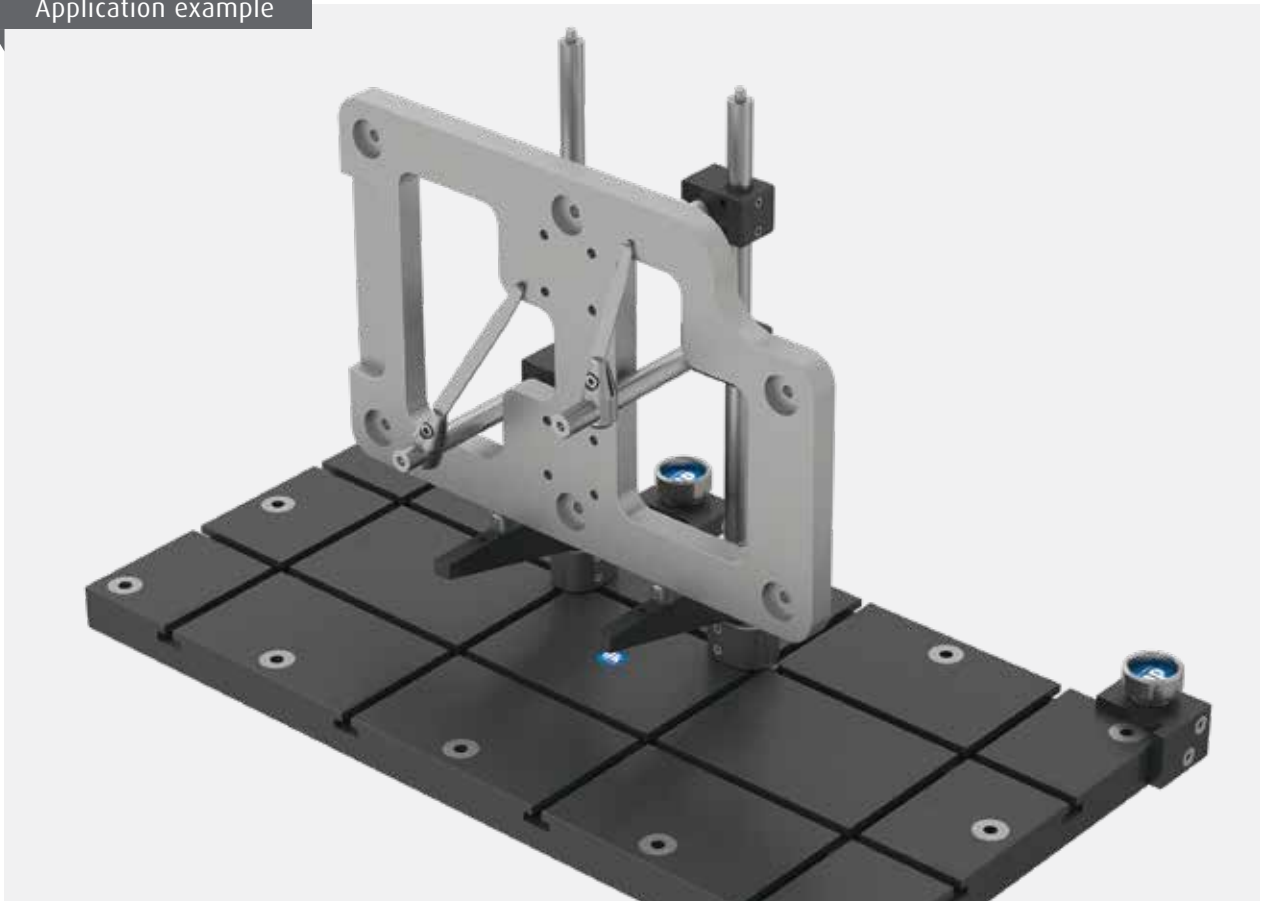
Contents

One set with knurled nuts.

Order No.	For plate thickness	Thread
281406	24	M 6
281408	24	M 8
281410	24	M 10
281412	24	M 12

M ...

Application example



T-slot nuts

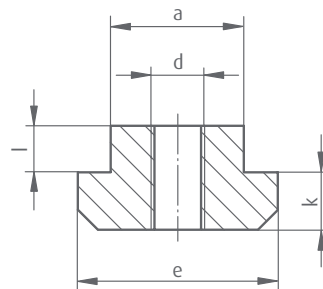
Description

M6 T-slot nuts fit in plates and rails with T-slot 6. Used to connect basic rails, columns, SWA 39 quick-action clamps etc. and customer specific structural elements with M6 male threads.

Special sizes for other slot systems available on request.

Material

Stainless steel.



Order No.	d	a	e	k	l
326400	M 6	5.9	16	4.8	4.9

M 6
T-Nut 6

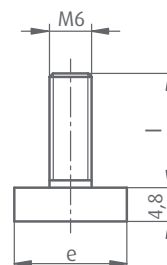
T-slot screws

Description

M6 T-slot screws fit in plates and rails with T-slot 6. Used to connect structural elements with M6 female threads.

Material

Stainless steel.



Order No.	e	l	Thread
326800	16	16.2	M 6

M 6
T-Nut 6

Satellite mounts with T-slot key

Description

Mount for M 8 and M 10 modules. With slot key for T-slot 6 for free positioning on a baseplate.

Material

Stainless steel/brass.

Supplied with

T-slot key for T-slot 6.



Order No.	Version
290600	M 8 female thread
290700	M 10 female thread

M 8	M 10
T-Nut 6	T-Nut 6

Application examples



Base rail M 10

Description

Adjustable base rail with slot and M10 connection thread for screwing in columns and articulated arms.

Material

Hard-coated aluminium.

Supplied with

M6 screw for connecting to a T-slot key or nut.
(Order T-slot nut 326400 from page 108 separately)



Order No.	Slot width	Adjustment range	Length	Width	Height
322010	6	60	105	25	12

M 10	M 10
M ...	T-Nut

Application examples



Base rails M 10 XL

Description

Large, highly adjustable base rail with slot and M10 connecting thread for screwing on columns and articulated arms. Includes 4 holes for securing i.e. quick-action clamp 285206 or vices 270860 and 282110 or customer specific elements.

Material

Hard-coated aluminium.



Order No.	Slot width	Adjustment range	Length	Width	Height
397012	12.5	80	150	50	20
397013	12.5	130	200	50	20



+ Fastening accessories

(Order T-slot nut 326400 from page 108 separately)

Order No.	Description	Version
397014	Screw with washer	M 6
397015	Screw with washer	M 8
397016	Screw with washer	M 10
397017	Screw with washer	M 12

Application example



Hexagonal extensions M 10 and M 8

Description

Hexagonal extension pieces with male thread one end and female thread other end. For screwing onto satellite mounts and base rails. Screw together to increase height.

Material

Stainless steel.



Order No.	Male thread	Female thread	Length
304100	M 8	M 8	50
304200	M 8	M 8	100
322200	M 10	M 10	25
322300	M 10	M 10	35
322400	M 10	M 10	50
304400	M 10	M 10	100
253500	M 10	M 10	150



Application example



Self-aligning pads M 10

Description

Support with flattened, swivel ball to compensate for surface irregularities. Can be screwed onto hexagonal extension pieces or directly into base rails.

Material

Stainless steel/black oxidised steel.

Supplied with

Locknut.



Order No.	Support	Swivel range	Adjustment range	Length
323000	Ø 8	± 15°	15	46

M 10

Jack screws M 10

Description

Height adjustable supports for centring and supporting test parts.

Material

Stainless steel.

Supplied with

Locknut.



Order No.	Version	Adjustment range	Length	Fig.
322600	With 90° point, Ø10	15	50	1
322700	With 5 mm ball end	25	63	2

M 10

Quick-change adapter M 10

Description

Quick-change adapter M 10 for SWA 5 / SWA 8 modules.

Material

Stainless steel.

Supplied with

Locknut.



Order No.	Version	Adjustment range	Length
329400	SWA 5	25	55
329500	SWA 8	25	57

SWA 5	SWA 8
M 10	M 10

Accessories

+ Centre points

Description

90° centre points with SWA 8 quick-change mount.

Material

Hard-coated aluminium.

Order No.	Diameter	Height	Fig.
303600	15	20	1
303700	25	20	2
303800	40	24	3

SWA 8



+ Prism supports

Description

120° prism supports with SWA 8 quick-change mount.

Material

Hard-coated aluminium.

Order No.	Clamping range	Prism length	Connection	Height	Fig.
323500	Ø 2-60	8	SWA 8	35	1
323400	Ø 2-60	40	SWA 8	33	2

SWA 8



+ Flat supports

Description

Flat supports in various versions: flat face, straight step and prism step. With SWA 8 quick-change mounts.

Material

Hard-coated aluminium.



Order No.	Version	Diameter	Height	Step height	Fig.
303805	Flat face	25	20		1
303810	Straight step	25	20	5	2
303815	Prism step	25	20	5	3

SWA 8

Screw jack set with spring finger

Description

Adjustable base rail with support and spring finger. The support height is adjustable.

Material

Hard-coated aluminium/stainless steel.

Supplied with

Base rail (322010), extension piece (322200), jack screw (322700), adapter plate for columns (353700), column with screw (368300), spring finger (302800), locknut and fastening screw.

↳ See T-slot nuts page 108 for fastening the base rail in a T-slot.



Order No.	Adjustment range	Length	Width	Support height
322005	60	105	25	80-90

M 6

T-Nut

T-slot 6 columns for arm construction, with holder

Description

Column with holder and slot key. Flat side for precise alignment of support arms and bridges relative to the slot directions of the baseplate. Remove the guide pin in the base of the holder for free angular positioning.

Material

Aluminium and stainless steel.

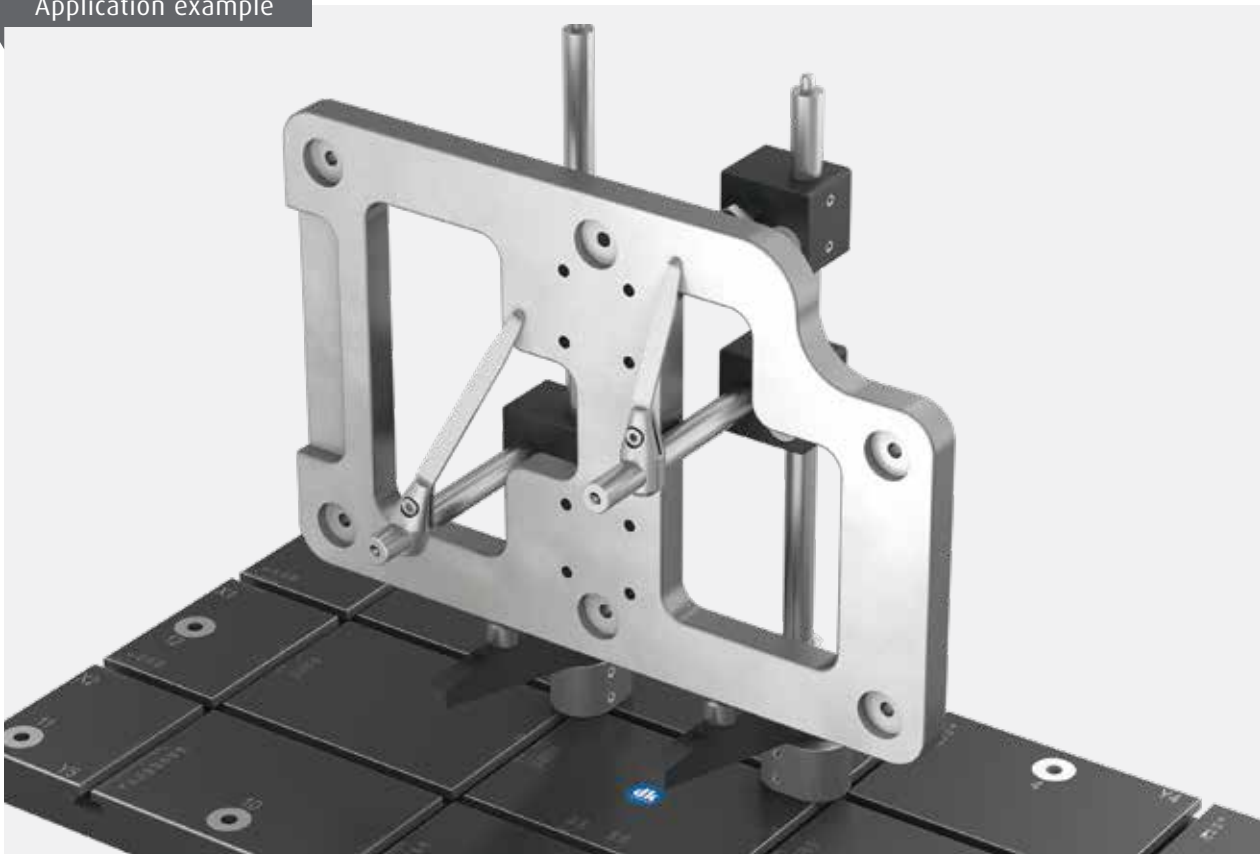
Supplied with

Ø5 mm contact pins and adjustable height rests.



Order No.	Column Ø	Length
288605	12	100
288805	12	150
288905	12	200
289005	12	250
289105	12	300
288650	Column holder with slot key	

Application example



Columns without holder

Description

Column with flat side for precise alignment relative to the slots of the baseplate.

Material

Stainless steel.

Supplied with

Ø5 mm contact pin.

Order No.	Column Ø	Length
352200	12	100
352300	12	150
352400	12	200
352500	12	250
352550	12	300



D 12

Column cross connector D 12 and M 10

Description

Connection element enabling a T-slot 6 column and a column without holder to be fitted together at a 90° angle as an alternative to assembling an M10 support at a 90° angle.

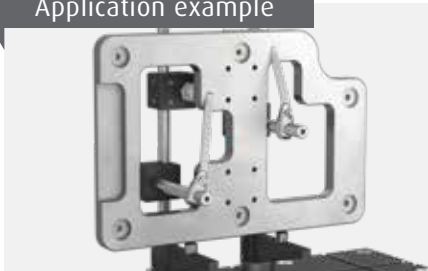
Material

Hard-coated aluminium.



1

Application example



Order No.	Description	Length	Width	Height	Fig.
352150	Connector for Ø12 and M10 columns	38	24	25	1
352110	Cross connector for Ø12 columns	38	24	25	

D 12

Support arm

Description

Support arm for mounting on Ø12 mm columns. With Ø4 mm holes for contact pins and support pins. Arm width 10mm for mounting V-block halves and adjustable supports.

Material

Hard-coated aluminium.

Supplied with

Ø4 mm pin.

See page 121 for V-block halves and supports with slots

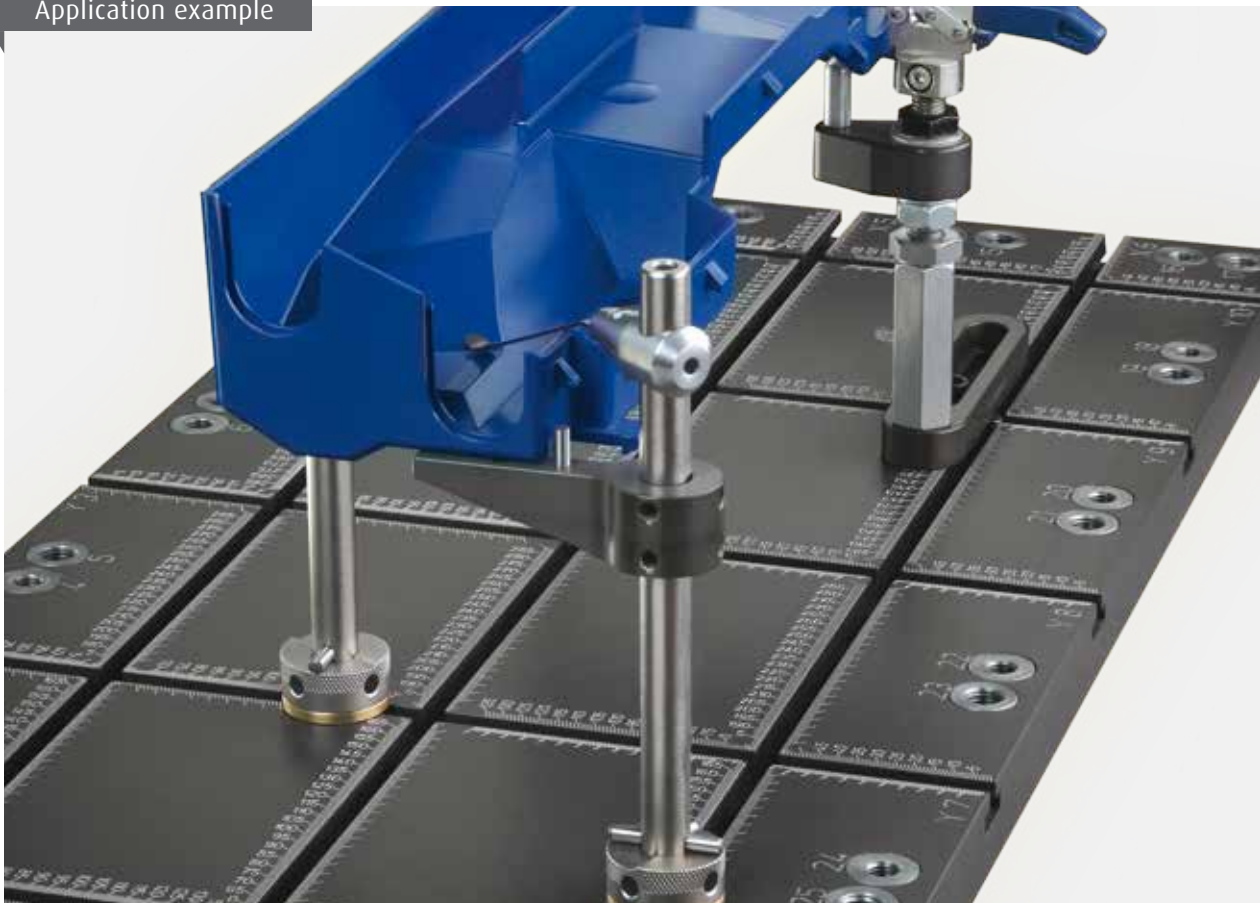


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Order No.	Overhang	Pin holes	Hole spacing	Height	Fig.
286800	60	2	15	20	
286700	100	4	15	30	1
286600	150	6	20	30	

D 12

Application example



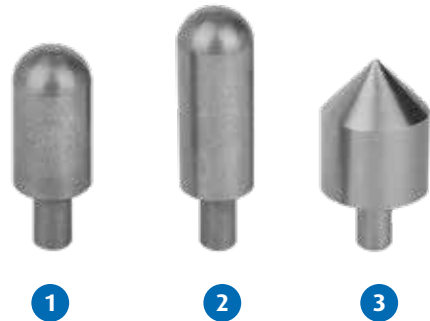
Support pins for support arm

Description

Ball-end and point supports for fitting into arms with $\varnothing 4$ mm holes.

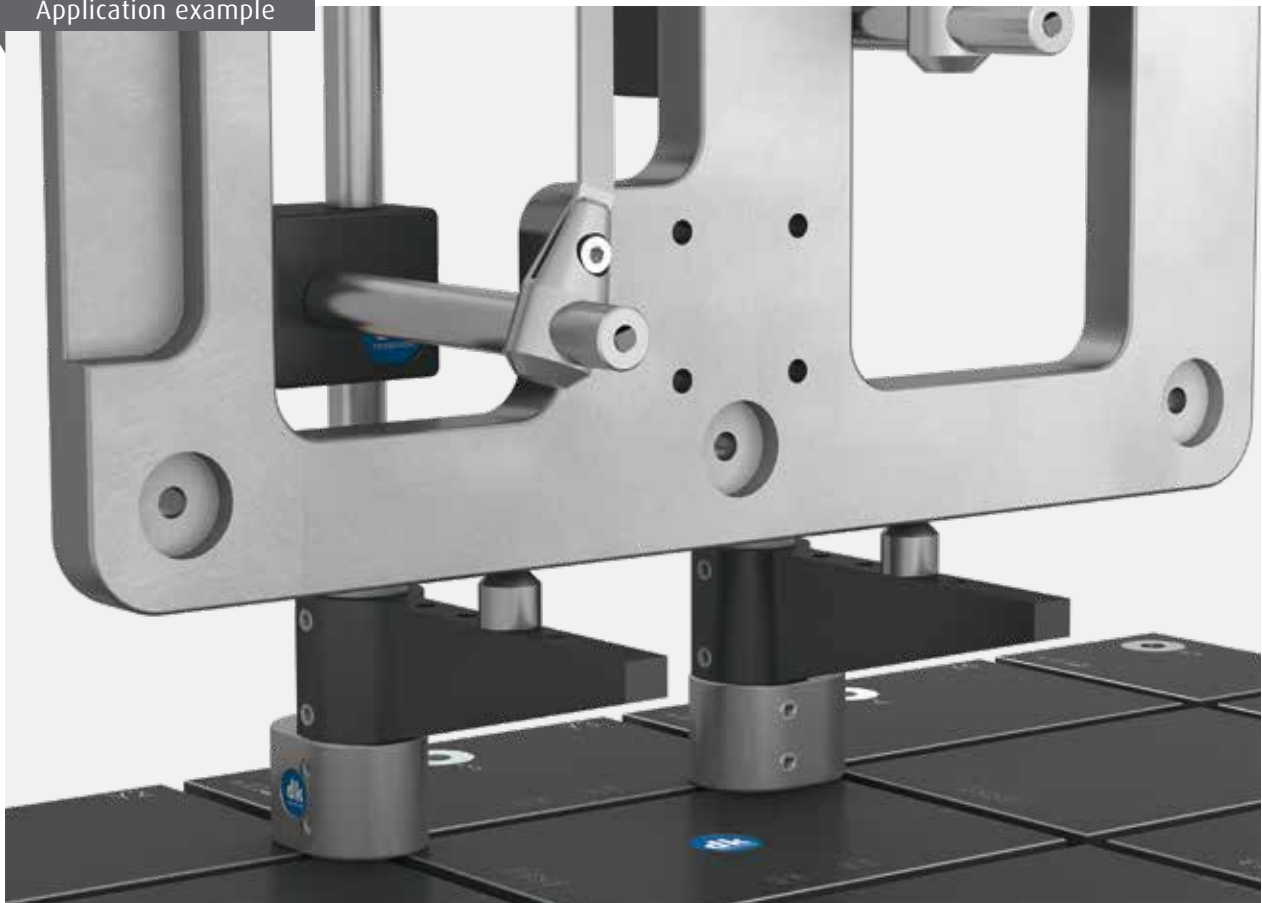
Material

Stainless steel.



Order No.	Version	Diameter	Fig.
319400	R4 ball-end x 15 mm	8	1
319500	R4 ball-end x 20 mm	8	2
319300	90° point	12	3

Application example



Bridge supports

Description

Bridge support with 10 mm bridge width for mounting on two Ø12 mm support columns. V-block halves and supports with slots can be mounted on the bridge. Laterally adjustable stops can also be mounted (Ø7 mm).

See page 46 stops for vices for adjustable stops.



Order No.	Centre distance	Fig.
287000	90	
287100	125	1

D 12

Application example



Mounts with slot

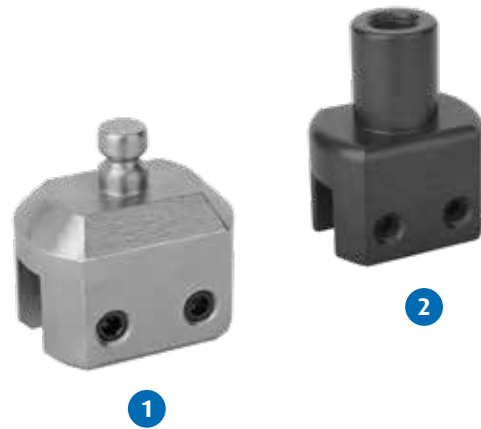
Description

Adjustable mounts with 10 mm slot for mounting on support arms and bridge supports. For easy adaptation of the SWA 8 quick-change support elements or supports and elements with M 10.

Material

Hard-coated aluminium/stainless steel.

↳ See pages 113 to 115 for accessories.



Application example



Order No.	Version	Length	Width	Height	Fig.
303200	SWA 8	25	25	35	1
303300	M 10	25	25	35	2

Pair of V-block halves

Description

Pair of 120° V-block halves with 10 mm slot, mounting on support arms and bridge supports.

Material

Hard-coated aluminium.

Contents

One pair.



Application example



Order No.	V-block width	Total height	Fig.
287210	10	47	
287200	24	27	1

Adjustable stop

Description

Stop for mounting on Ø12 mm columns. Effective length of the stop ca. 130 mm (to centre of column).

Material

Hard-coated aluminium/nickel plated steel.



Order No.	Length	Width	Height
287500	35	30	20

D 12

Application example



Application examples



Extensions for clamping supports

Description

Extension pieces for raising stop and positioning elements. M6 connecting thread.

Material

Hard-coated aluminium.

Supplied with

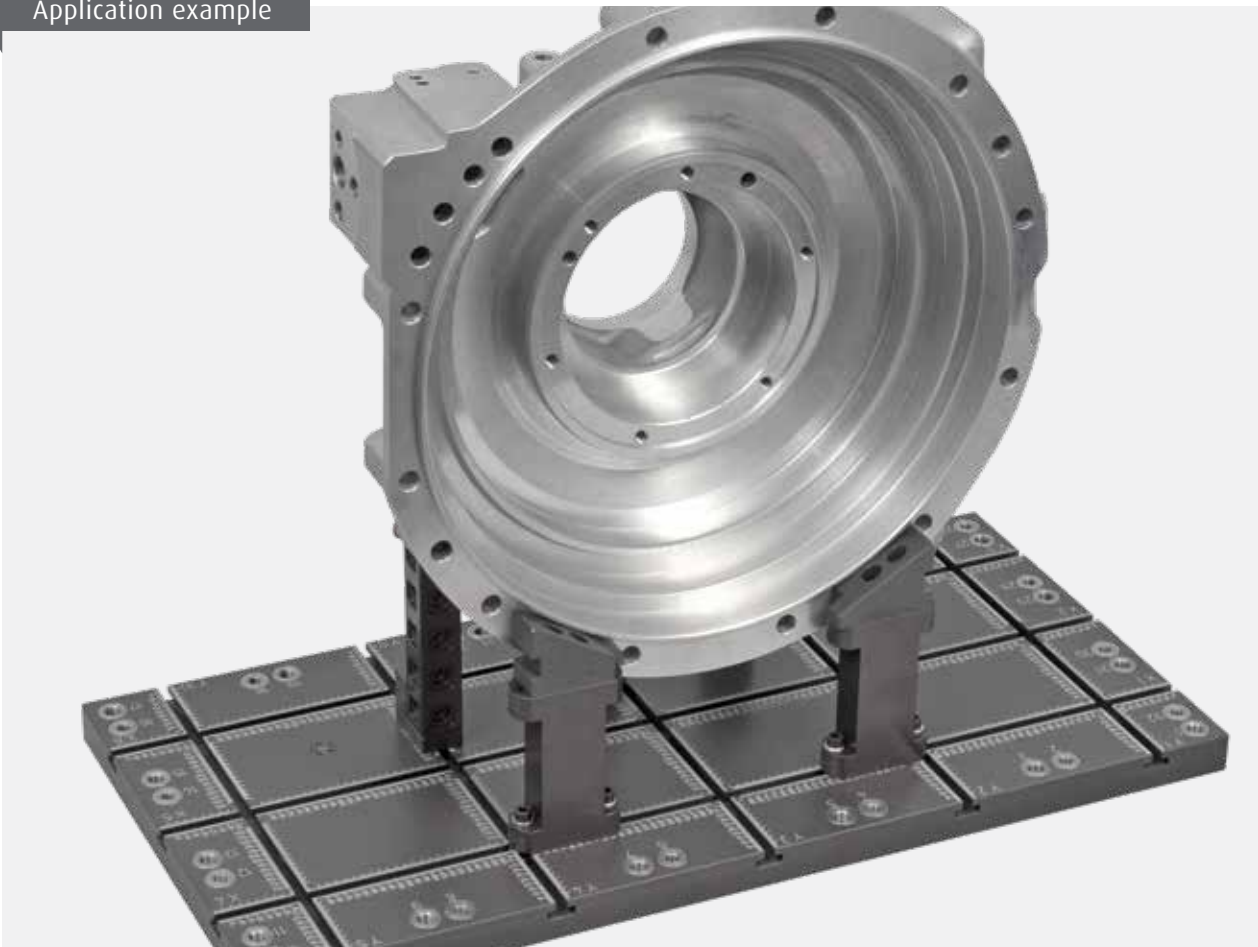
Slot keys.



Order No.	Height	Fig.
324100	100	1
324600	88-112	2

M 6	M 6
T-Nut 6	M ...

Application example



Pair of V-block halves on a T-slot 6

Description

Pairs of V-block halves for T-slots. The clamping range is freely adjustable. With lateral slots and tapped holes for mounting a tensioning strap fixture or spring finger. Part 306500 with mounting hole for stops.

🔗 See pages 43 and 46 suitable for stops.

Material

Hard-coated aluminium/steel.

Supplied with

Screws and T-slot nuts



Order No.	Prism	Block width	Height	Fig.
305500	120°	18	42	1
305700	120°	25	42	
306500	120°	40	60	

T-Nut 6

Side clamp with draw-down jaw

Description

Support with fixed stop and draw-down clamping jaw. For mounting on extensions or with T-slot nuts.

Supplied with

T-slot nuts.



Application example



Order No.	Stop	Adjustment range	Length	Width	Height	Fig.
320500	Straight	2.5	65	25	27	1
320600	Radius	2.5	65	25	27	

M 6

T-Nut 6

Thread reducer

Description

Thread reducer for connecting different thread sizes e.g. columns, extension pieces, articulated arms, supports, satellite mounts etc.

Material

Stainless steel.



Order No.	Male thread	Female thread
275030	M 4	M 8
369000	M 5	M 6
269500	M 5	M 8
275000	M 6	M 8
275010	M 6	M 10
297800	M 8	M 10
275110	M 10	M 6
275100	M 10	M 8
275200	M 12	M 8
275300	M 12	M 10

M ...

Application example



Columns with screw

Description

Columns with screws for mounting spring fingers or for use as a stop element.

Material

Stainless steel.



Application example



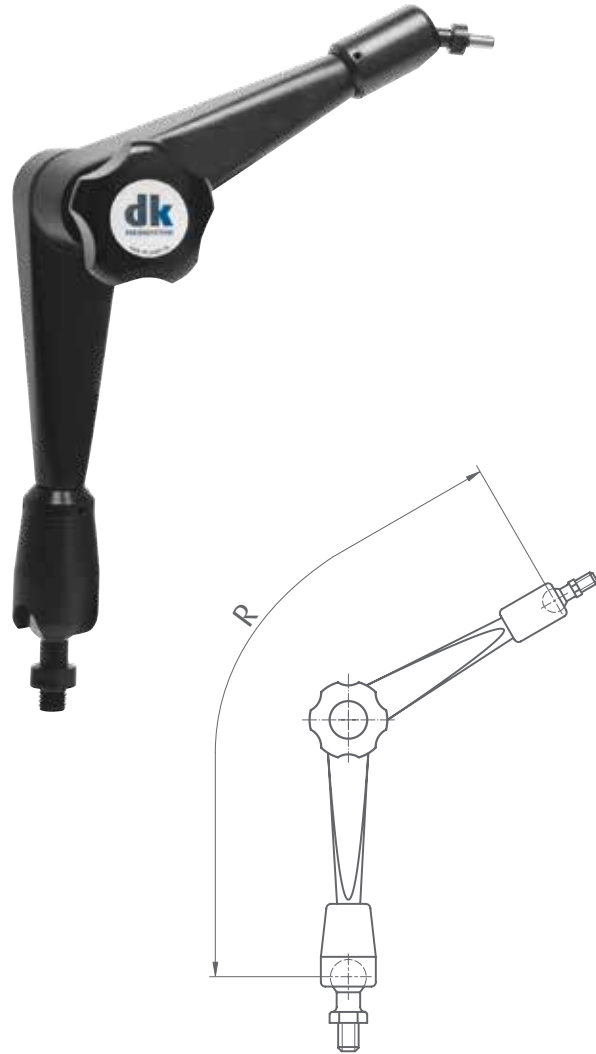
Order No.	Column Ø	Thread	Length
269042	4	M 4	30
269043	4	M 4	50
269044	4	M 4	75
368100	6	M 6	30
368120	6	M 8	30
368200	6	M 6	50
368220	6	M 8	50
368300	6	M 6	75
368400	6	M 6	100
368500	6	M 6	125
368505	6	M 6	150
368600	12	M 6	50
368620	12	M 8	50
368700	12	M 6	100
368720	12	M 8	100
368800	12	M 6	150
368820	12	M 8	150
368900	12	M 6	200
368920	12	M 8	200
368610	12	M 10	50
368710	12	M 10	100
368810	12	M 10	150
368910	12	M 10	200

M ...

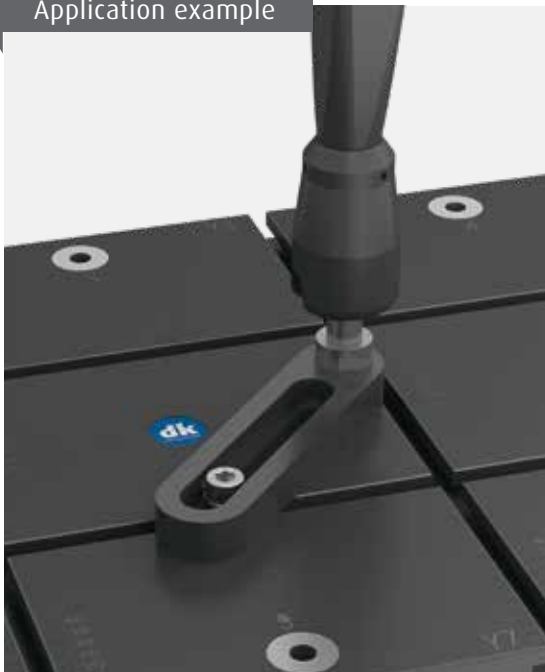
Articulated arms

Description

Progressive clamping articulated stands with a connection screw in the base and a quick-change adapter on the arm. Mechanical articulated clamping arm. Central locking. Holding force at right angles 100 N (type MU) or 80 N (type SU).



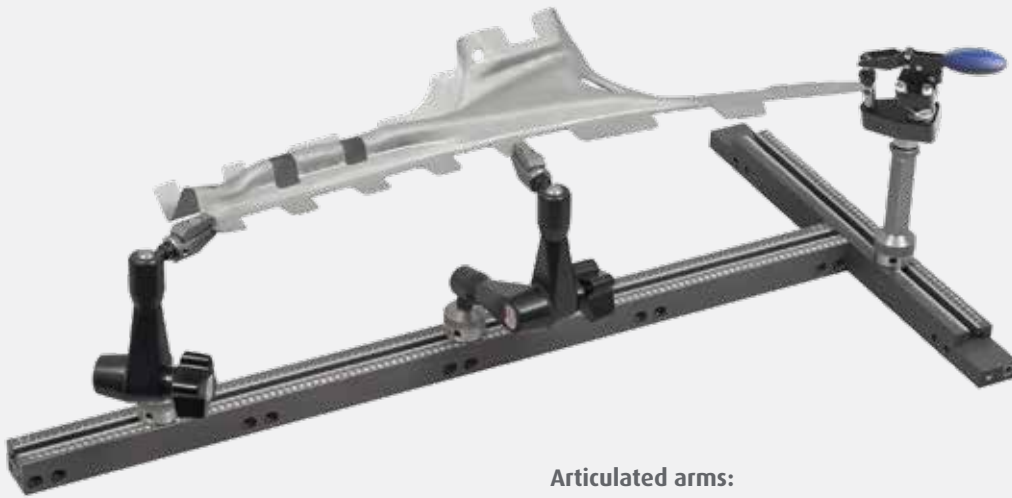
Application example



Order No.	Type	Thread	Adapter	Action range (R)
296800	SU	M 8	SWA 5	160
296700	SU	M 8	SWA 8	160
296900	MU	M 10	SWA 5	280
297000	MU	M 10	SWA 8	280



Application examples



Articulated arms:

- Highest clamping force due to special, patented mechanical clamping principle
- Quick fixation – all rotary movements are locked by one clamping screw
- Comfortable operation through progressive clamping: the arms are locked and released in a defined sequence



Spring fingers

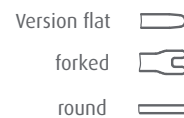
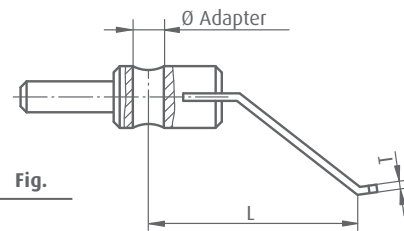
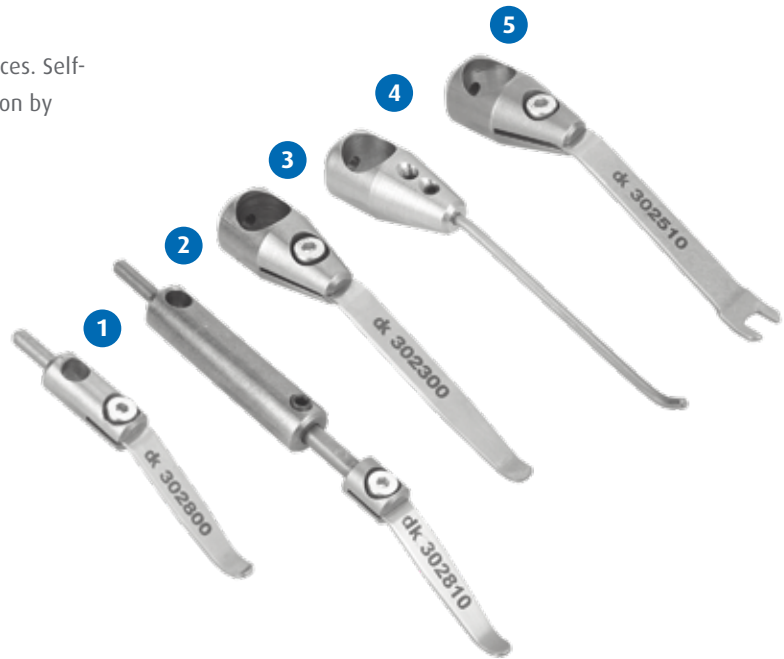
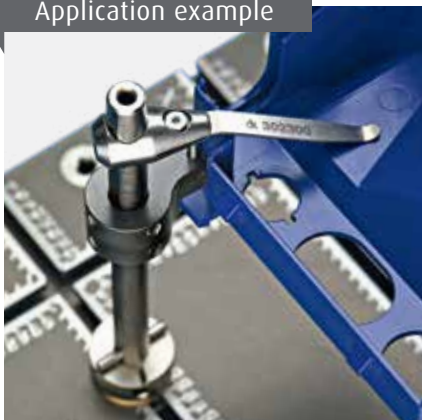
Description

For the simple and quick holding down of workpieces. Self-locking on round columns due to the applied tension by manually pressing down.

Material

Stainless steel.

Application example



Order No.	Adapter Ø	Version	T	L	Fig.
269037	4	Flat	0.4	30	
343700	4	Flat	0.8	30	
269038	4	Round	1.1	40	
269039	4	Round	1.1	60	
343710	4	Flat	0.8	30	
302750	6	Round	1.1	50	
302760	6	Round	1.5	50	
302800	6	Flat	1	50	1
302900	6	Flat	1	75	
302810	6	Flat	1	90-125	2
302910	6	Flat	1	115-150	
302300	12	Flat	1	75	3
302400	12	Flat	1	95	
302320	12	Flat	1	120-150	
302500	12	Flat	1.5	75	
302600	12	Flat	1.5	95	
302520	12	Flat	1.5	120-150	
302350	12	Round	2.5	80	4
302340	12	Round	3	80	
302510	12	Forked	1.5	75	5
302610	12	Forked	1.5	95	

Columns with screw

Description

Columns with threaded connection for mounting spring fingers or for use as a stop element.

Material

Stainless steel.



Application example



Order No.	Column Ø	Thread	Length
269042	4	M 4	30
269043	4	M 4	50
269044	4	M 4	75
368100	6	M 6	30
368120	6	M 8	30
368200	6	M 6	50
368220	6	M 8	50
368300	6	M 6	75
368400	6	M 6	100
368500	6	M 6	125
368505	6	M 6	150
368600	12	M 6	50
368620	12	M 8	50
368700	12	M 6	100
368720	12	M 8	100
368800	12	M 6	150
368820	12	M 8	150
368900	12	M 6	200
368920	12	M 8	200
368610	12	M 10	50
368710	12	M 10	100
368810	12	M 10	150
368910	12	M 10	200

M ...

Adapter plates for columns

Description

Adapter plates for columns with M6 threads (e.g. for spring fingers) for mounting on M8 and M10 hexagonal extension pieces, self-aligning pads, rest pins and M10 quick-change adapters mounts.

Material

Stainless steel.



Order No.	Hole	Overhang
353700	∅ 10	50
353800	∅ 10	72

Application example



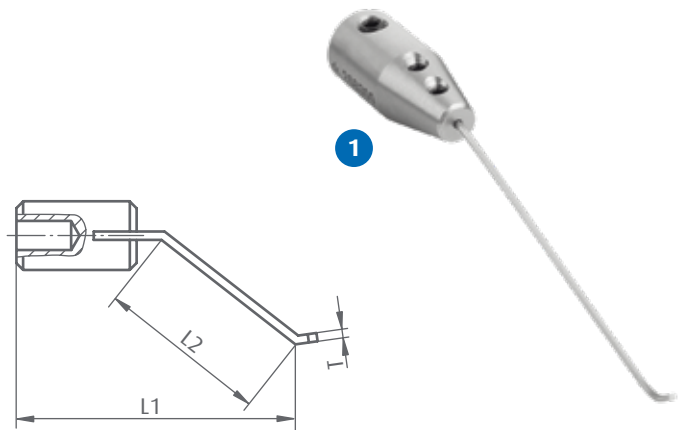
Spring fingers with quick-change adapter

Description

Spring finger with SWA 5 quick-change adapter for connecting to articulated arms.

Material

Stainless steel.

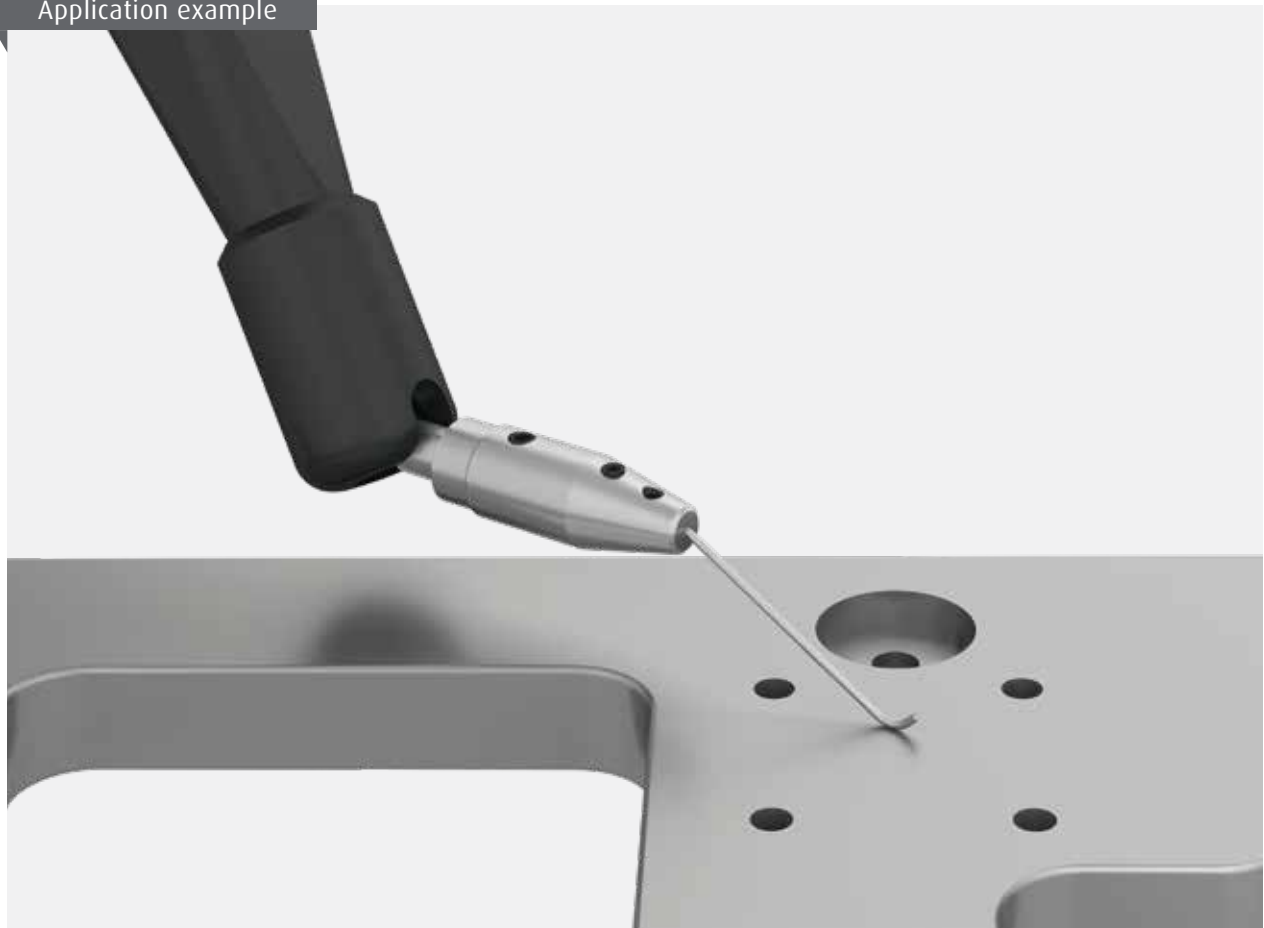


Order No.	Connection	T	L1	L2	Version	Fig.
269300	SWA 5	1.1	55	35	Round	
268300	SWA 5	1.1	70	50	Round	1

SWA 5

SWA 8

Application example



Toggle clamps with support

Description

Toggle clamp with support and M10 thread.

Supplied with

Locknut.



Application example



Order No.	Overhang	Clamping range	Height
336300	32	0-20	100
336400	51	0-27	115

M 10

Application example



Application example

Toggle clamp (used without support) with workpiece...



...and without workpiece



Parallel clamps

Description

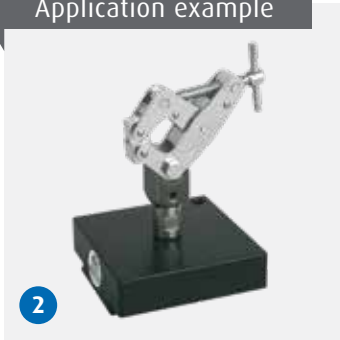
Parallel clamps with a maximum clamping range of 75 mm. The jaw blocks have 4 faces and are available in different versions - flat, with a prism for holding round workpieces or convex for holding workpieces that are highly sensitive to bending. The clamps are mounted on SWA 5 or SWA 8 quick-change adapters.

Material

Stainless steel/steel/aluminium.



Application example



Combined with an SWA 5 quick-change mount on an SWA 29 adapter... or on an articulated arm

SWA 5	SWA 8	SWA 39
-------	-------	--------

Order No.	Clamping range	Connection	Jaw faces	Version	Fig.
278800	0-25	SWA 5	3 flat, 1 long prism	Both jaws rotatable	1
278600	0-25	SWA 5	2 flat, 1 long prism, 1 convex	Both jaws rotatable	1
278400	0-25	SWA 8	3 flat, 1 long prism	Both jaws rotatable	1
334900	0-25	SWA 8	2 flat, 1 long prism, 1 convex	Both jaws rotatable	1
278500	0-25	SWA 39	3 flat, 1 long prism	Both jaws rotatable	2
279610	0-50	SWA 8	3 flat, 1 long prism	Both jaws rotatable	
279620	0-75	SWA 8	3 flat, 1 long prism	Both jaws rotatable	

Parallel clamps with guide pin

Description

Parallel clamp with guide pin fixed in lower jaw to secure the jaws against rotation. Mounted on SWA 5, SWA 8 or SWA 39 quick-change adapters.

Material

Stainless steel/aluminium.

Application example



Order No.	Clamping range	Connection	Version	Fig.
279200	0–25	SWA 5	cross prism in lower jaw	
279210	0–25	SWA 8	cross prism in lower jaw	
279600	0–50	SWA 8	cross prism in lower jaw	1
279300	0–50	SWA 39	cross prism in lower jaw	2

SWA 5

SWA 8

SWA 39

Application example



Tension clamp

Description

Tension clamp for mounting on articulated arms. The tension clamp is designed for use with an articulated arm, the draw hook is pulled out by hand and hooked over a workpiece to provide tension. Connection with SWA 8 quick-change mount.

Material

Stainless steel.



Order No.	Connection	Size	Length	Hook travel	Tensile force (N)
376800	SWA 8	hook shaft Ø10	81	11	80

SWA 8

Prism with spring finger

Description

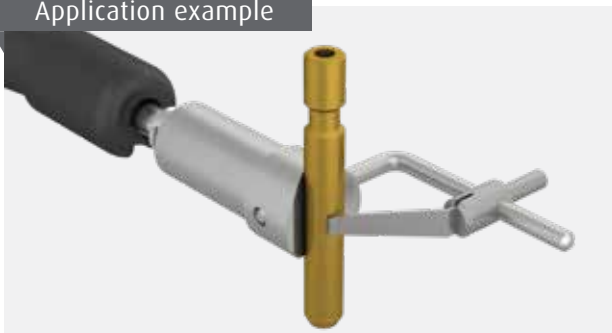
120° prism on a column with a spring finger. Connection with SWA 8 quick-change mount.

Material

Stainless steel.



Application example



Order No.	Connection	Clamping range	Prism length	Height
285810	SWA 8	Ø 2–25	20	45

SWA 8

Clips

Description

Clip for fixating thin, rigid parts.
Clamping with a ball-head screw. Connection with SWA 5 or SWA 8 quick-change mount.

Material

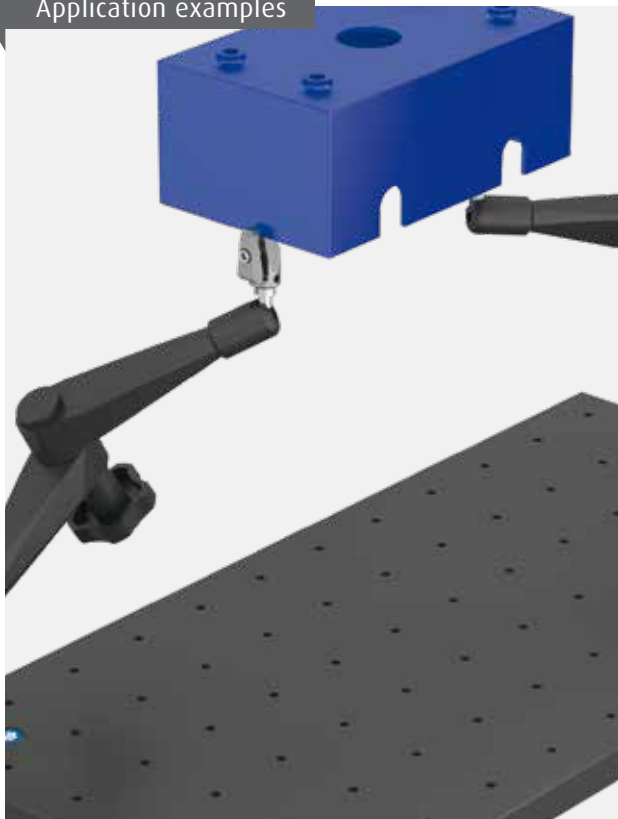
Steel.



Order No.	Connection	Jaw depth	Clamping width
302100	SWA 5	5	3
302000	SWA 8	5	3

SWA 5 SWA 8

Application examples



Pairs of V-block halves

Description

V-block halves for T-slot. The clamping range is freely adjustable. With lateral slots and tapped holes for mounting a tensioning strap fixture or spring finger. Part 306500 with mounting hole for stops.

☞ See pages 43 and 46 for suitable stops.

Material

Hard-coated aluminium/steel.

Supplied with

Screws and T-slot nuts.



Order No.	Prism	Prism length	Height	Fig.
305500	120°	18	42	1
305700	120°	25	42	
306500	120°	40	52	

T-slot 6

Application example



+ Spring finger with mount

Description

For quickly and easily holding parts.

Supplied with

Adjustable spring finger (302810), column (368500) and column holder (272910).



Order No.	Clamping range
272940	Ø 40-120 Ø 40-120

↳ See pages 130 and 133 for more spring fingers.

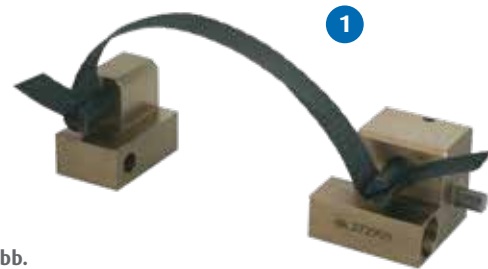
+ Tensioning strap fixture

Description

Ideal for clamping irregularly shaped parts.

Supplied with

M5 fastening screw, operating tools and 5 m tensioning strap.



Order No.	Clamping range	Description	Abb.
272900	From Ø 40	Standard	1
272850	From Ø 40	Extra strong	
272855	Adapter for mounting 272850 on T-slots 6		
272902	Adjustable torque wrench		

Tailstocks

Description

Pair of tailstocks with one fixed and one movable centre.
The movable centre is spring-loaded and can be locked. For location in a T-slot.

Material

Hard-coated aluminium/steel.

Supplied with

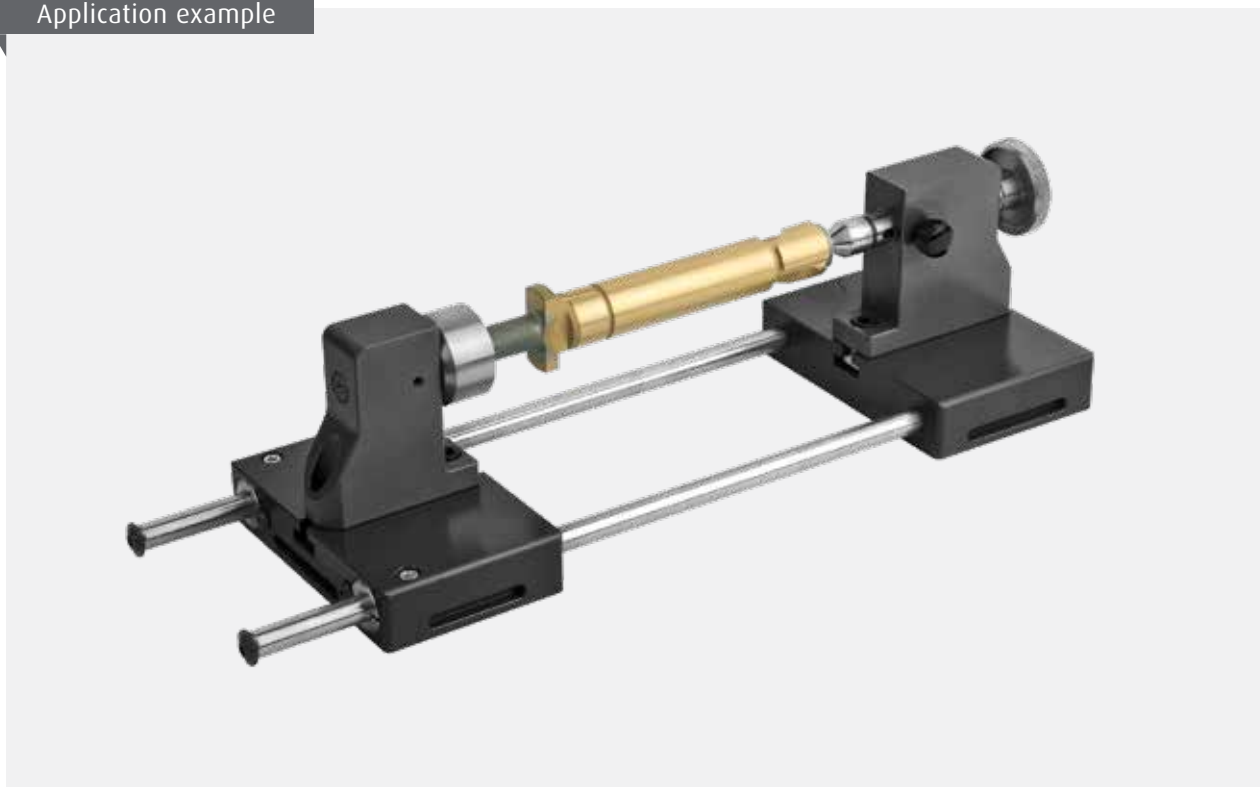
T-slot nuts and $\varnothing 15 / 60^\circ$ centres.



Order No.	Centre height	Length	Width	Height	Weight
306000	50	150	25	75	0.72

T-Nut 6

Application example



+ Adjustable baseplate

Description

Mounting plate with T-slot (6 mm) for the mounting tailstocks and/or other equipment. Suitable for transmitted light measurements on projectors. Infinitely variable adjustment on guide shafts with lock. Plate can be fixated with claw clamps.

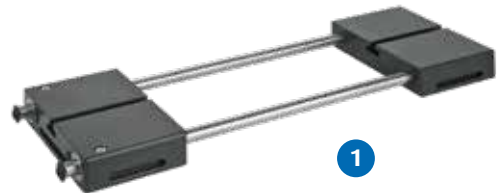
↳ See page 271 for claw clamps.

Material

Hard-coated aluminium/steel.

Extension

0–210 mm.



Order No.	Length	Width	Height	Version
262510	370	120	25	1

T-Nut 6

+ Fixed centres

Description

One pair of fixed tailstock centres.

Material

Hardened steel.



Order No.	Centre angle	Diameter
306100	60°	Ø15–30 mm

+ Female centres

Description

Material

Hardened steel.



Order No.	Centre angle	Diameter
306320	90°	Ø3–15 mm
306325	90°	Ø15–30 mm

Suction cups

Description

Suction units with removable support pin.

Material

Silicone/brass.

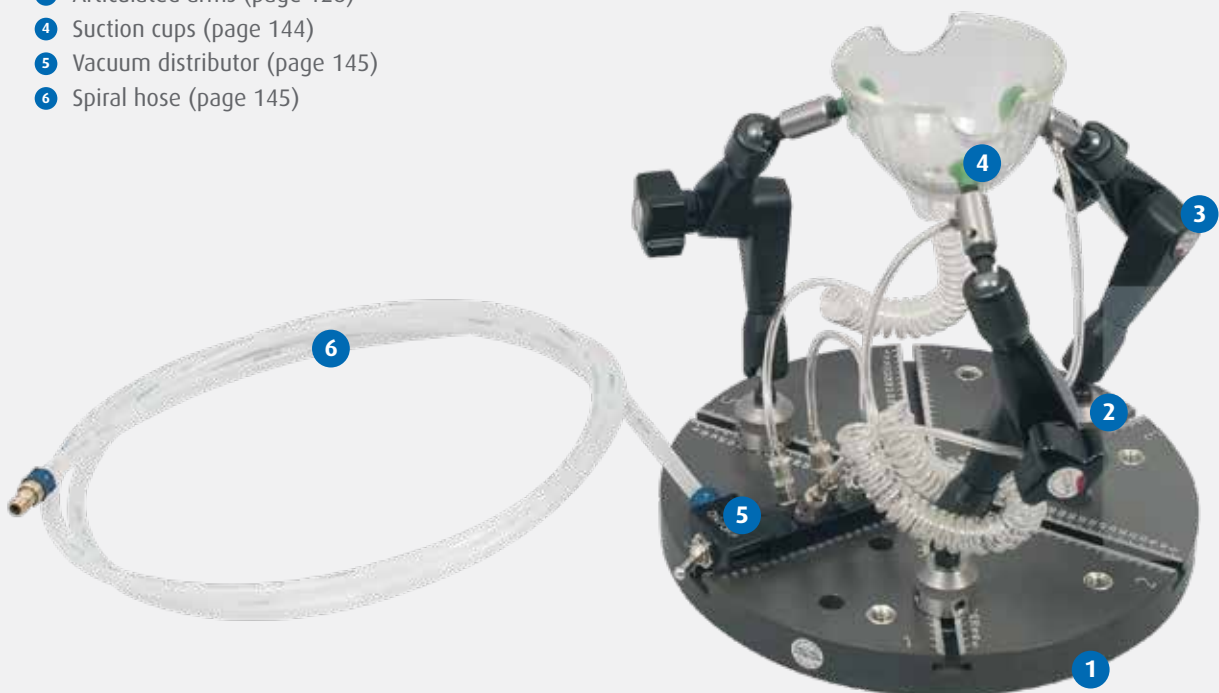
↪ See page 145 for suitable suction cup adapters.



Order No.	Cup Ø	Connection thread
295800	12	M 5
295900	18	M 5
296000	25	1/8
296100	34	1/8

Application example

- 1 Round T-slot baseplate (page 104)
- 2 Satellite mount with T-slot nut (page 109)
- 3 Articulated arms (page 128)
- 4 Suction cups (page 144)
- 5 Vacuum distributor (page 145)
- 6 Spiral hose (page 145)



+ Spiral hose

Description

Transparent spiral hose with quick lock (D 5) and M5 connection thread.



Order No.	Length (relaxed)	Length max.	ID
293600	350	1000	2

+ Vacuum distributor

Description

Multi-port vacuum distributor with quick lock couplings (D 5) and 1/8" connection line to vacuum pump. ON/OFF switch with rapid air vent.

Material

Aluminium/steel.



Order No.	No. of ports	Supplied with
293800	6	Connection line

T-Nut 6

+ Suction cup adapter

Description

SWA 5 mount for suction cups. Connection for M5 spiral hose.

Material

Steel/stainless steel.



Order No.	Version
292700	For cups with M 5 mount
292800	For cups with 1/8" mount

SWA 5

Vacuum pumps

Description

Dry-running rotary-vane vacuum pumps. Absolutely oil-free. Mains voltage 220–240 V. Mounted on rubber vibration-damping elements, with ON/OFF switch in power cable and 1/8" port for connecting vacuum outlet.

Order No.	Nom. suction capacity	Final pressure	Nom. motor power	Noise level
298510	4.1 m ³ /h	150 mbar	0.18 kW	58 dB (A)
298610	8.0 m ³ /h	150 mbar	0.31 kW	58 dB (A)

Vacuum pumps for compressed air operation

Description

Compressed air powered vacuum pump with connection hose and ON/OFF switch.

Material

Aluminium.



Order No.	Nom. suction capacity	Operating pressure	Air consumption
298700	7.4 m ³ /h	5 bar	30 l / min

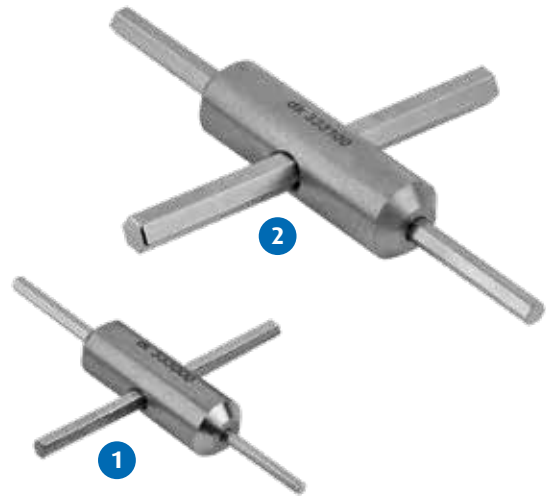
+ Four-way hexagon key

Description

Practical and compact cross design with 3 key sizes per tool. Covers all hexagon socket sizes used in the Spannfix and Schienenfix ranges.

Material

Steel/stainless steel.



Order No.	Size	Fig.
333000	2 / 2.5 / 3	1
333100	4 / 5 / 6	2

Quick-action clamp for T-slot

Description

SWA 39 quick-action clamp for direct fastening on T-slot plates. Mounted on a 12 mm high intermediate plate.

Material

Hard-coated aluminium/stainless steel.

Supplied with

T-slot nut and fastening screw.



Order No.	Height
285300	23.5

SWA 39
T-Nut 6



Information

The quick-action clamp for T-slot 6 from the SPANNFIX system opens up the entire world of the dk modular system with all manner of structural, adjustment and clamping elements that we present in the SWA 39 range from page 16.

Take a look at the product video on our home page. Simply scan the QR code or click the link below to watch now:

 www.dk-fixiersysteme.de/technology/modular_system

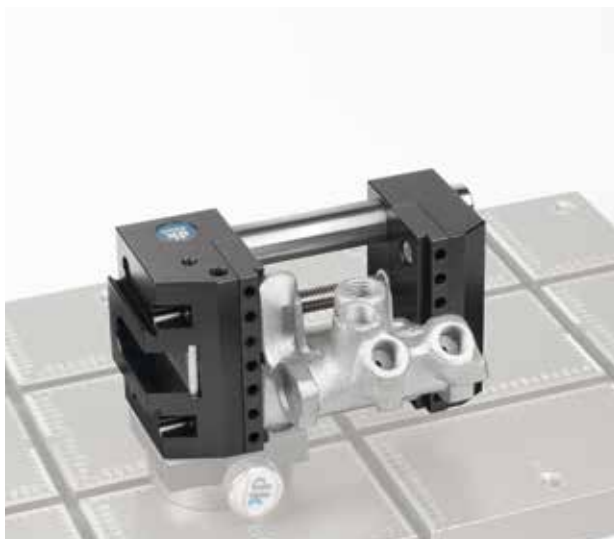
Application examples



The SWA39 elements can form a support in the context of the fixation of large parts, for example by means of the flexibly adjustable negative form program NADELFIX.

Especially in combination with standard clamping elements such as vice and chucks, the system offers a rapid and extremely flexible, exactly reproducible positioning of clamping elements by means of the quick-action clamping clamp for T-slot 6.

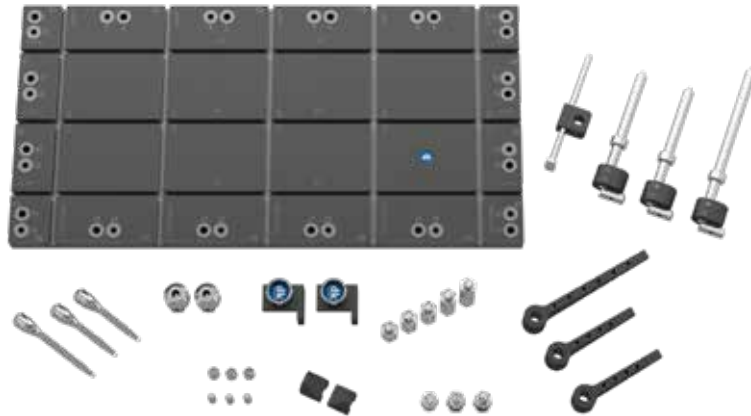
The result is a zero-point clamping setup for workpieces which can be dismantled and identically reassembled.



SPANNFIX PRO basic set

Description

Set with supports, extension pieces and stops. A baseplate with T-slots and mounting holes provides the basis. Available in sizes 500 x 250 mm or 600 x 300 mm.



Ordering information

When ordering, let us know the thread or T-slot size on your measuring equipment.

Set versions

Order No.	Description
399710	Spannfix PRO basic set "3"
399720	Spannfix PRO basic set "4"

Set contents

Order No.	Description	Set "3"	Set "4"
280500	Baseplate with T-slot, 500 x 250 mm	1	
280800	Baseplate with T-slot, 600 x 300 mm		1
see right	Claw clamps for Spannfix baseplates Order numbers 281406, 281408, 281410, 281412 for fastening in M6, M8, M10 or M12	1	1
290700	Satellite mount M 10	2	2
322200	25 mm extension	1	1
322300	35 mm extension	2	2
322400	50 mm extension	1	1
322500	60 mm extension	1	1
288805	150 mm columns with T-slot nuts	2	2
288905	200 mm columns with T-slot nuts	1	1
286700	100 mm arm	2	2
286600	150 mm arm	1	1
319300	Support pins with 90° point	3	3
319400	R4 x 20 mm support pins	3	3
287200	Pair of V-blocks	1	1
287500	Adjustable stop	1	1
323000	Self-aligning pads	1	1
322600	Jack screws with cone point	1	1
322700	Jack screws with ball-end	1	1
302300	75 mm spring finger	2	2
302400	95 mm spring finger	1	1

SPANNFIX PRO expansion set

Description

Expansion set with diverse support and clamping modules for the reproducible fixation of test parts.



Set versions

Order No.	Description
399730	Spannfix PRO expansion set

Set contents

Order No.	Description	Quantity
325100	Intermediate plate	1
297000	MU/SWA 8 articulated arm	1
322010	Base rails	2
326400	T-slot nuts	2
322200	25 mm extension	2
322300	35 mm extension	2
322400	50 mm extension	2
288805	150 mm columns with T-slot nuts	2
288905	200 mm columns with T-slot nuts	2
286700	100 mm arm	2
286600	150 mm arm	1
287200	Pair of V-blocks	1
303200	SWA 8 adapter for arm	1
303300	M 10 adapter for arm	1
322700	Jack screws with ball-end	2
329500	Quick-change mounts	2
303600	Ø15 mm centre for quick-change mount	1
303700	Ø25 mm centre for quick-change mount	1
303800	Ø40 mm centre for quick-change mount	1
323500	8 mm prism support for quick-change mount	1
323400	40 mm prism support for quick-change mount	1
302300	75 mm spring finger	2
302400	95 mm spring finger	1
368710	100 mm columns	2
368810	150 mm columns	2
368910	200 mm columns	2
278400	Parallel clamp	1
279600	Parallel clamp with guide pin	1

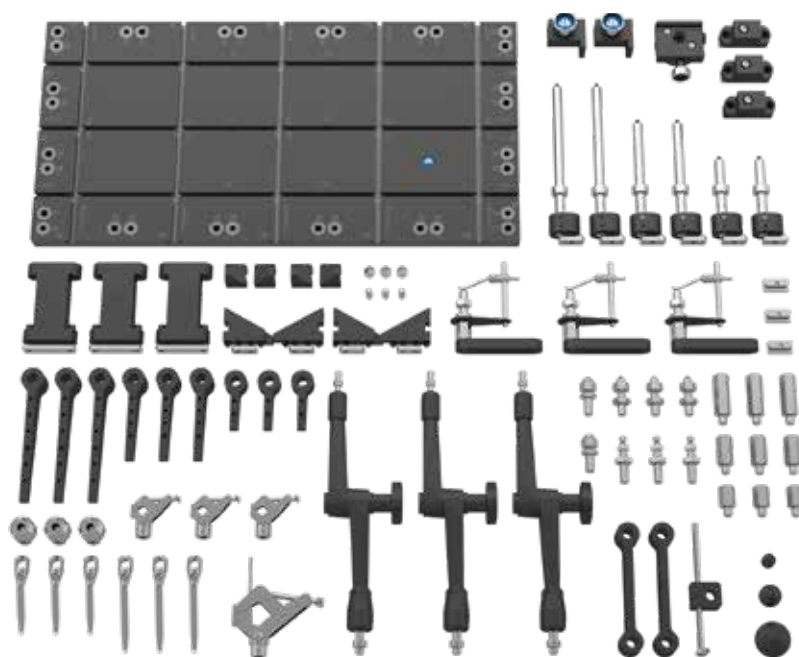
SPANNFIX PRO complete set

Description

Set that includes articulated arms and parallel clamps for quick and flexible positioning of various test parts. Structural and clamping elements are mounted onto a 600 mm x 300 mm Spannfix baseplate. Various support and clamping modules can be used to achieve reproducible fixation. The high locking forces possible on the articulated arms enable even heavy parts to be held securely.

Ordering information

When ordering, let us know the thread or T-slot size on your measuring equipment.



Set versions

Order No.	Description
399700	Spannfix PRO complete set

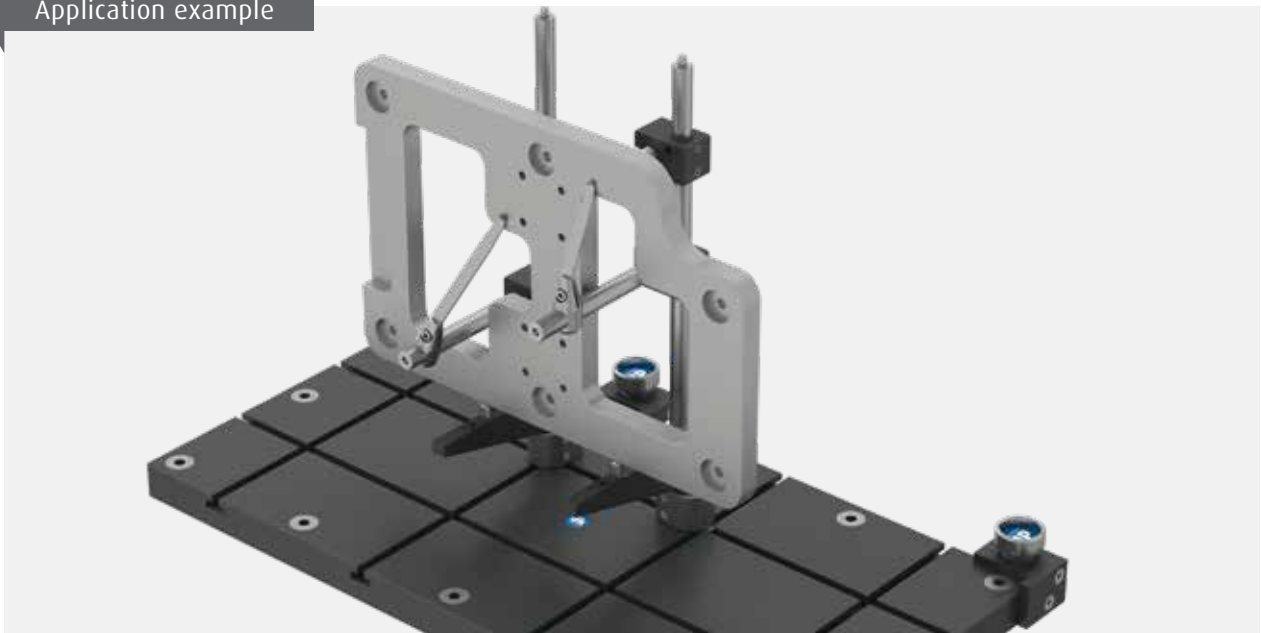
Set contents

Order No.	Description	Quantity
280800	600 x 300 mm baseplate with T-slots	1
288605	100 mm columns	2
288805	150 mm columns with T-slot nuts	3
288905	200 mm columns with T-slot nuts	2
see right	Claw clamps for Spannfix baseplates Order numbers 281406, 281408, 281410, 281412 for fastening in M6, M8, M10 or M12	1
285300	Quick-action clamp for T-slot	1
320500	Side clamp with draw-down jaw	3
305500	Pair of V-block halves	2
324100	100 mm extension pieces	3
286700	100 mm arm	3

Set contents

Order No.	Description	Quantity
286600	150 mm arm	3
286800	60 mm arm for column	3
287200	Pairs of V-block halves	2
322005	Screw jack set with spring finger	3
326400	T-slot nuts	3
322200	25 mm extension	3
322300	35 mm extension	3
322400	50 mm extension	3
322600	Jack screws with cone point	3
329500	M 10/SWA 8 quick-change mount	3
323000	M 10 self-aligning pads	2
287500	Adjustable stop	1
287100	Bridge support, centre distance 125 mm	2
302500	75 mm spring finger	3
302600	95 mm spring finger	3
29700	MU/SWA 8 articulated arm	3
290700	M 10 satellite mounts	3
279600	Parallel clamp with guide pin	1
278400	Parallel clamps	3
303600	15 mm centre	1
303700	25 mm centre	1
303800	40 mm centre	1
319500	R4 x 20 mm support pins	3
319300	Support pins with 90° point	3

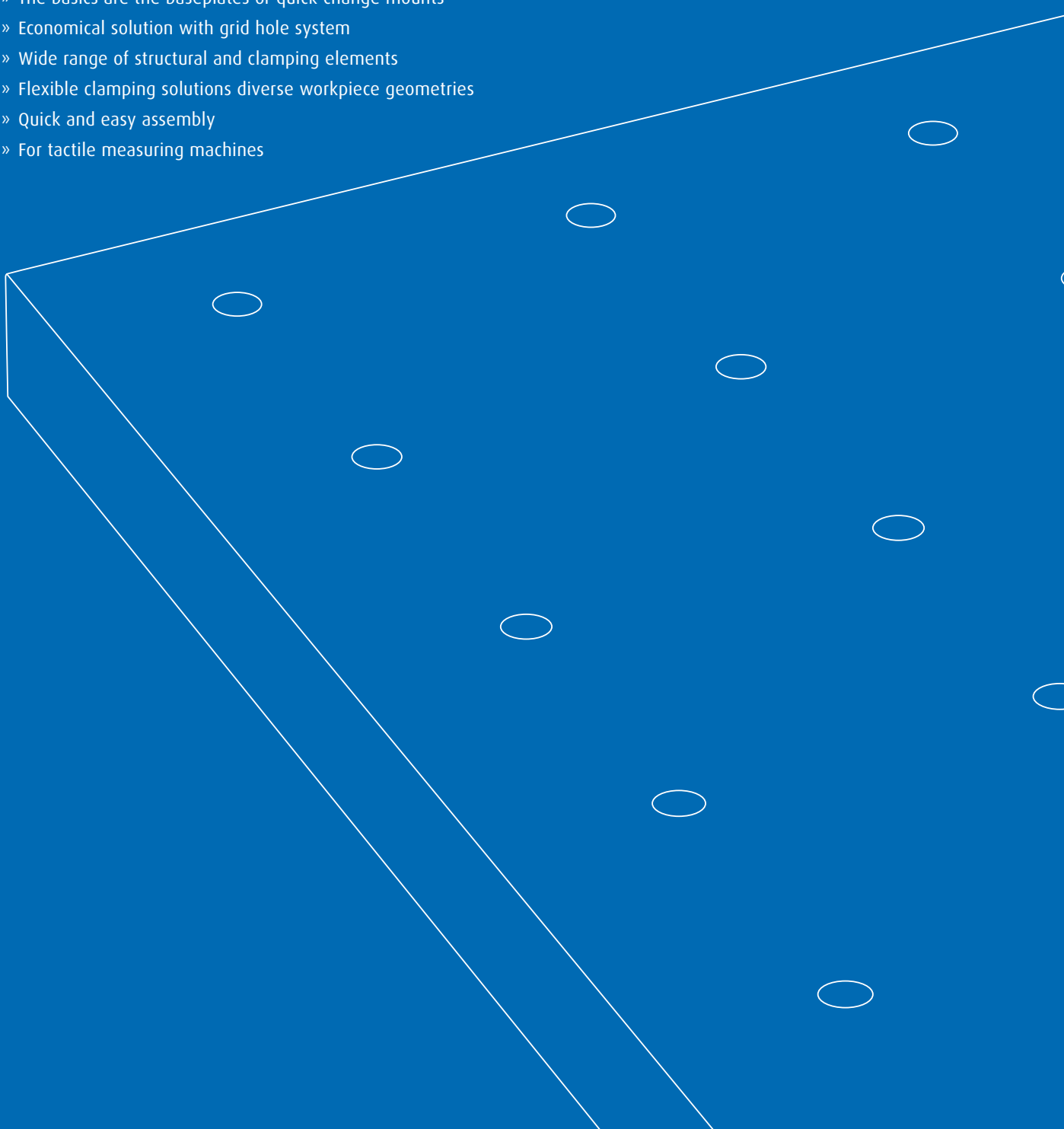
Application example



SPANNFIX ECO

Modular clamping elements for tactile measuring

- » The basics are the baseplates or quick-change mounts
- » Economical solution with grid hole system
- » Wide range of structural and clamping elements
- » Flexible clamping solutions diverse workpiece geometries
- » Quick and easy assembly
- » For tactile measuring machines



Basic elements
+ accessories



Baseplate with tapped holes

Page 158



Intermediate plates

Page 159



Structural elements
+ accessories



Base rail M 10

Page 161



M 10 XL base rail

Page 162



Hexagonal extensions M 8 and M 10

Page 163



Self-aligning pads M 10

Page 164



Jack screws M 10

Page 164



Quick-change adapter M 10

Page 165



Screw jack set with spring finger

Page 166



Adjustable stop

Page 167



Thread reducer

Page 168



Columns with screw

Page 169



Articulated arms

Page 170

Clamping elements
+ accessories



Spring fingers

Page 172



Columns with screw

Page 173



Adapter plates for columns

Page 174



Spring finger with quick-change adapter

Page 175



Toggle clamps with support

Page 176



Parallel clamps

Page 178



Parallel clamps with guide pin

Page 179



Tension clamp

Page 180



Prism with spring finger

Page 180



Clips

Page 181



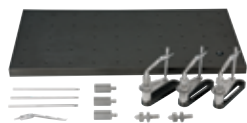
SWA 39 connections



Quick-action clamp with fastening screw

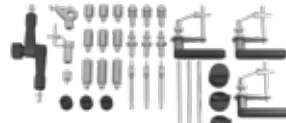
Page 182

Sets



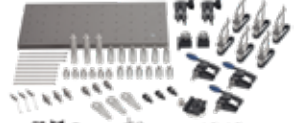
Spannfix ECO basic set

Page 184



Spannfix ECO expansion set

Page 185



Spannfix ECO complete set

Page 186

Reproducible fixtures through grid holes and base rails


The SPANNFIX ECO is the simpler, more economical alternative to the PRO version with fewer and simplified modules on a baseplate with tapped holes in a standard 50 mm grid. The base rails enable any X/Y position can be easily achieved. Because there are no lateral or angular scales as by the PRO version, repeat constructions of exactly the same fixture are more difficult, but are still possible.

Basic elements

- 1 Baseplate with tapped holes (page 158)




Intermediate plates and accessories (pages 159-160)




Structural elements


- 2 M 10 XL base rail (pages 161-162)




2 + 3 + 4 or 2 + 3 + 3 + 5 + 6 + 7 also available as screw jack set with spring finger (page 166).



- 3 M8 or M10 hexagonal extensions (page 163)



- 4 Screw jacks (page 164)
Other accessories (pages 164-166)





Clamping elements

- 5 Adapter plate for columns (page 174)



- 6 Columns with screw (page 173)



- 7 Spring fingers (page 172)



FAST REASSEMBLY LIFELONG

The basic principle of all dk fixating systems. The compatibility of the dk programs makes the utility value perfect.

The wider range of additional elements included in the PRO system can also be used directly, or with adapters together with the *SPANNFIX ECO* elements shown here. Overall, a much better and quicker solution for the safe and repeatable fixation of test pieces than specially designed and manufactured single-use fixtures.

Here, too, we have such an extensive range of basic, structural, support and clamping elements that, together with the other dk programs, they make up such a complete world of fixation elements that the user only requires additional, customer-specific fabrications for absolutely special parts or very specific processes. Of course, we can also develop and implement these together with you.

Baseplates with tapped holes

Description

Baseplate with M6 holes arranged in a grid pattern.

Material

Hard-coated aluminium.

☞ Custom-made versions available on request.
See pages 184 to 187
for complete sets with fixture elements.



Order No.	Dimensions	Grid	Thread	Weight
395020	300 x 300 x 20	50	M 6	5.0
395030	500 x 250 x 20	50	M 6	7.4
395040	600 x 300 x 20	50	M 6	10.6
395050	800 x 400 x 20	50	M 6	17,6
2999XX	to customer specs.	to customer specs.	to customer specs.	

M 6

Application example



Intermediate plates

Description

T-slot plates for mounting on baseplates with T-slots or M6 tapped holes. For X/Y positioning.

Material

Hard-coated aluminium.

Supplied with

T-slot nuts.



Order No.	No. of slots	Length	Width	Height	Weight
325000	2	117	117	20	0.71
325100	3	117	117	20	0.68

T-Nut 6
T-Nut 6
M 6

Accessories

+ Hand grip

Description

Grip for mounting in a T-slot or M6 hole ease carrying the baseplates.

Contents

1 set of 2 grips and fasteners.



Order No.	Length	Height
328500	150	45

T-Nut 6
M 6

Accessories

+ Plate clamping claws with stop

Description

A set of clamping claws for the 20 mm thick dk grid hole plates. The claws are screwed onto the measuring machine table. Check the table thread sizes before ordering. These elements provide a stop for repeat positioning accuracy while simultaneously securely clamping the dk baseplates.



Order No.	For plate thickness	Thread
281436	20	M 6
281438	20	M 8
281430	20	M 10
281432	20	M 12

Application example



M10 base rail

Description

Adjustable base rail with slot and M10 mounting thread for screwing on columns and articulated arms.

Material

Hard-coated aluminium.

Supplied with

M6 screw for securing to the baseplate.



Order No.	Slot width	Adjustment range	Length	Width	Height
322010	6	60	105	25	12

M 10	M 10
M ...	T-Nut

Application example



M 10 XL base rail

Description

Large and extremely adjustable base rail with slot and M10 mounting thread for screwing on columns and articulated arms. Also has 4 holes for fastening e.g. the quick-action clamps 285206 or vices 270860 and 282110 as well as the users own elements.



Material

Hard-coated aluminium.

Order No.	Slot width	Adjustment range	Length	Width	Height
397012	12.5	80	150	50	20
397013	12.5	130	200	50	20

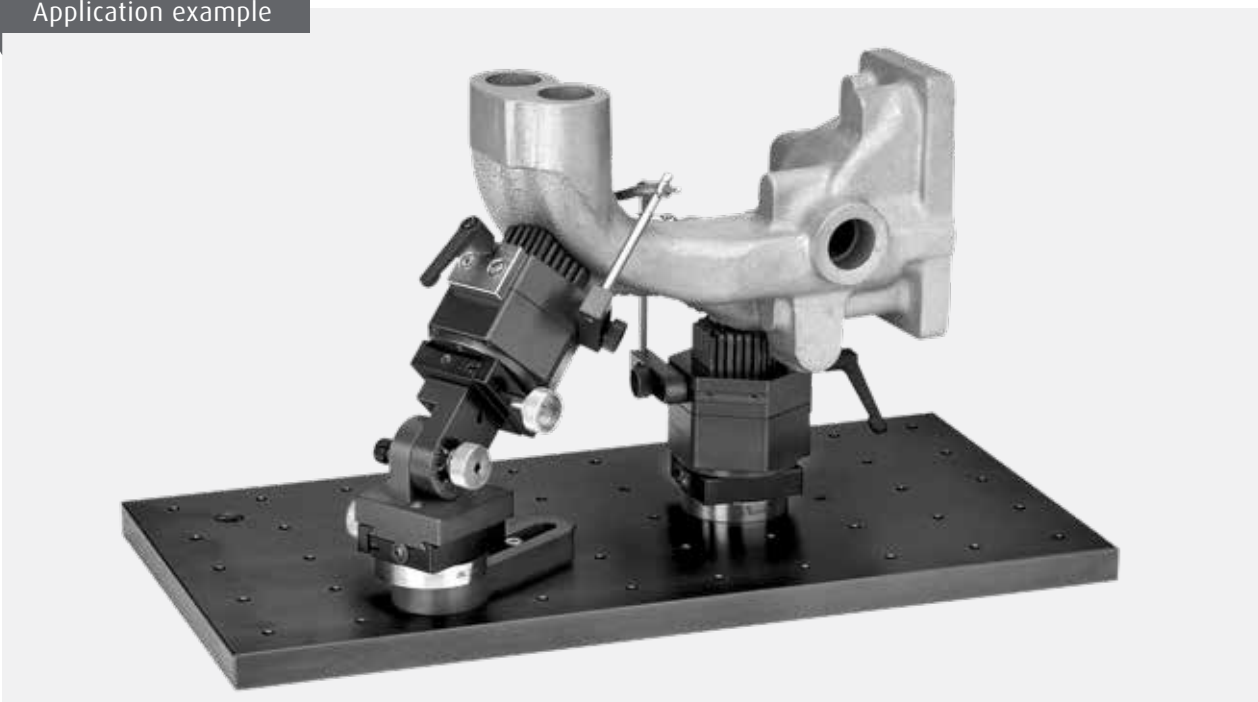


Fastening accessories



Order No.	Description	Version
397014	Screw with washer	M6 for dk standard plates
397015	Screw with washer	M 8
397016	Screw with washer	M 10
397017	Screw with washer	M 12

Application example



M8 and M10 hexagonal extensions

Description

Hexagonal extension pieces with male thread one end and female thread other end. For screwing on to base rails and, with a thread reducer directly on to dk baseplates. Screw together to increase the height. Width across flats 17 mm.

Material

Stainless steel.

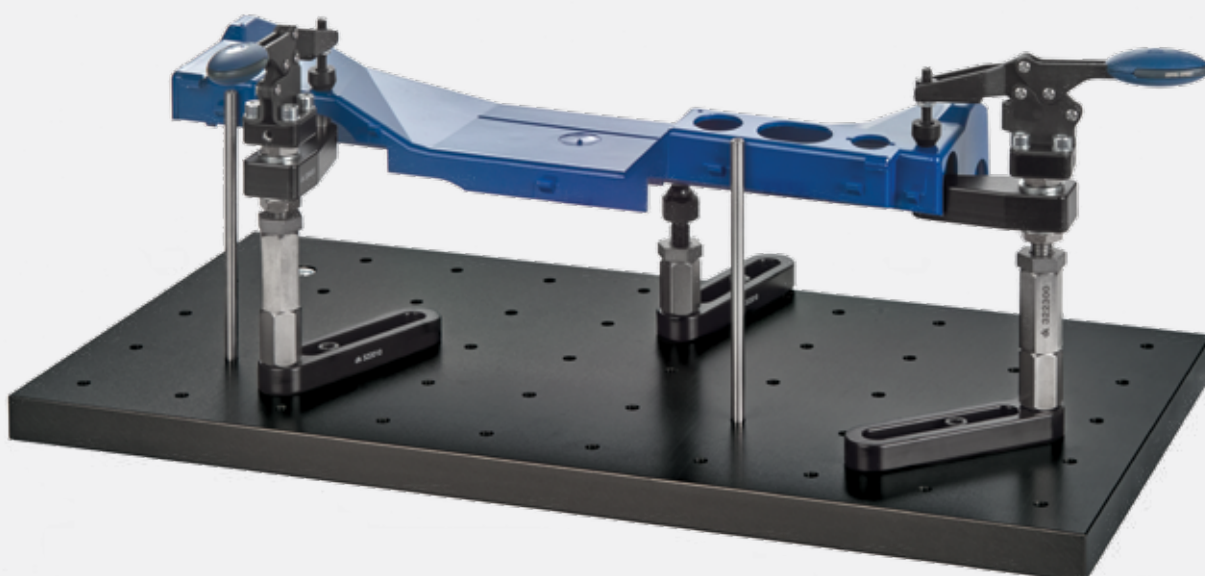


Order No.	Male thread	Female thread	Length
304100	M 8	M 8	50
304200	M 8	M 8	100
322200	M 10	M 10	25
322300	M 10	M 10	35
322400	M 10	M 10	50
304400	M 10	M 10	100
253500	M 10	M 10	150

M 8

M 10

Application example



Self-aligning pads M10

Description

Support with flattened, swivel ball to compensate for surface irregularities. Can be screwed onto hexagonal extension pieces or directly into base rails.

Material

Stainless steel/black oxidised steel.

Supplied with

Locknut.



Order No.	Support	Swivel range	Adjustment range	Length
323000	Ø 8	± 15°	15	46

M 10

Screw jacks M10

Description

Height adjustable supports for centring and supporting test parts.

Material

Stainless steel.

Supplied with

Locknut.



Order No.	Version	Adjustment range	Length	Fig.
322600	With 90° point, Ø10	15	50	1
322700	With R5 mm ball end	25	63	2

M 10

Quick-change adapter M 10

Description

Quick-change adapter M 10 for SWA 5 / SWA 8 modules.

Material

Stainless steel.

Supplied with

Locknut.



Order No.	Version	Adjustment range	Length	Fig.
329400	SWA 5	25	55	
329500	SWA 8	25	57	1

SWA 5	SWA 8
M 10	M 10

Accessories

+ Centre points

Description

90° centre points with SWA 8 quick-change mount.

Material

Hard-coated aluminium.

Order No.	Diameter	Height	Fig.
303600	15	20	1
303700	25	20	2
303800	40	24	3

SWA 8



+ Prism supports

Description

120° prism supports with SWA 8 quick-change mount.

Material

Hard-coated aluminium.

Order No.	Clamping range	Prism length	Connection	Height	Fig.
323500	Ø 2-60	8	SWA 8	35	1
323400	Ø 2-60	40	SWA 8	33	2

SWA 8



+ Flat supports

Description

Flat supports in various versions: flat face, straight step and prism step. With SWA 8 quick-change mounts.

Material

Hard-coated aluminium.



Application example



Order No.	Version	Diameter	Height	Step height	Fig.
303805	Flat face	25	20		1
303810	Straight step	25	20	5	2
303815	Prism step	25	20	5	3

SWA 8

Screw jack set with spring finger

Description

Adjustable base rail with support and spring finger. The support height is adjustable.

Material

Hard-coated aluminium/stainless steel.

Supplied with

Base rail (322010), extension piece (322200), jack screw (322700), adapter plate for columns (353700), column with screw (368300), spring finger (302800), locknut and fastening screw.

See T-slot nuts on page 27 for fastening the base rail in a T-slot.



Order No.	Adjustment range	Length	Width	Support height
322005	60	105	25	80-90

M 6 T-Nut

Adjustable stop

Description

Adjustable stop for mounting on $\varnothing 12$ mm columns. Effective length of the stop ca. 130 mm to centre of column.

Material

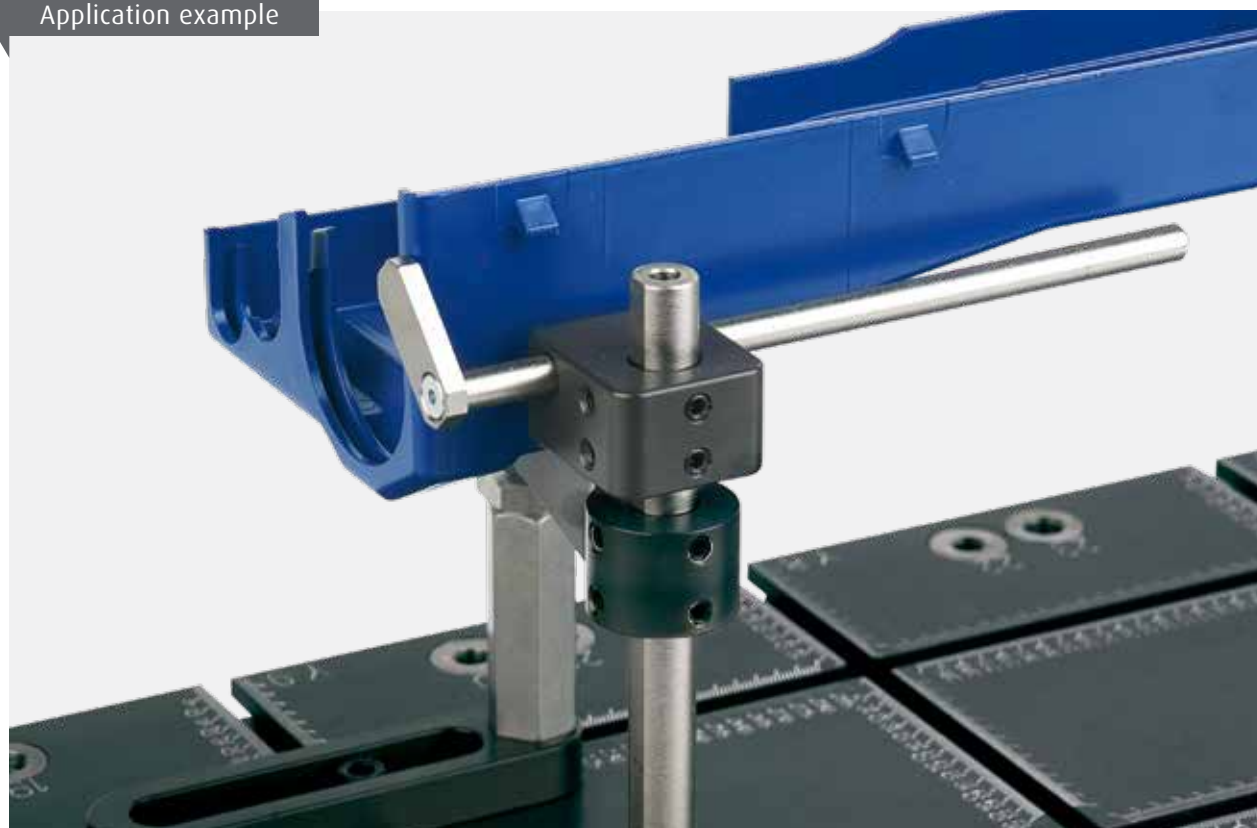
Hard-coated aluminium/nickel-plated steel.



Order No.	Length	Width	Height
287500	35	30	20

D 12

Application example



Thread reducer

Description

Thread reducer for connecting different thread sizes e.g. columns, extension pieces, articulated arms, supports etc.

Material

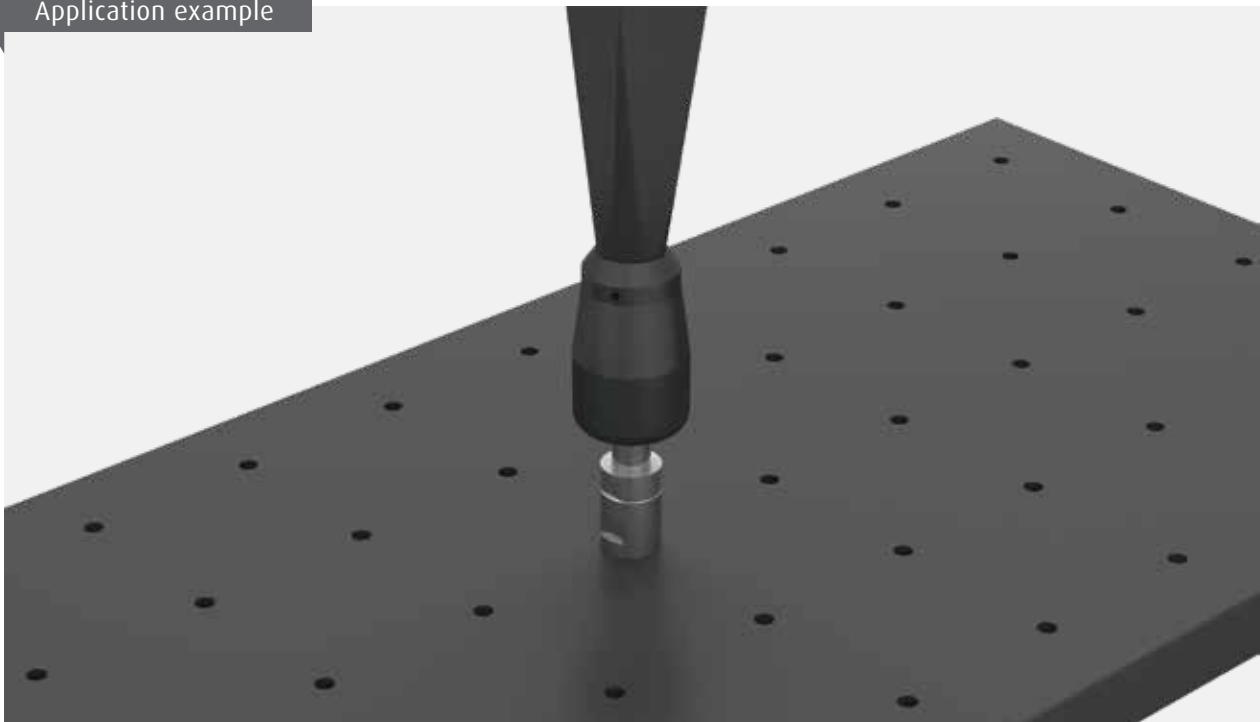
Stainless steel.



Order No.	Male thread	Female thread
275030	M 4	M 8
369000	M 5	M 6
269500	M 5	M 8
275000	M 6	M 8
275010	M 6	M 10
297800	M 8	M 10
275110	M 10	M 6
275100	M 10	M 8
275200	M 12	M 8
275300	M 12	M 10

M ...

Application example



Columns with screw

Description

Columns with threaded connection for mounting spring fingers or for use as a stop element.

Material

Stainless steel.



Application example



Order No.	Column Ø	Thread	Length
269042	4	M 4	30
269043	4	M 4	50
269044	4	M 4	75
368100	6	M 6	30
368120	6	M 8	30
368200	6	M 6	50
368220	6	M 8	50
368300	6	M 6	75
368400	6	M 6	100
368500	6	M 6	125
368505	6	M 6	150
368600	12	M 6	50
368620	12	M 8	50
368700	12	M 6	100
368720	12	M 8	100
368800	12	M 6	150
368820	12	M 8	150
368900	12	M 6	200
368920	12	M 8	200
368610	12	M 10	50
368710	12	M 10	100
368810	12	M 10	150
368910	12	M 10	200

M ...

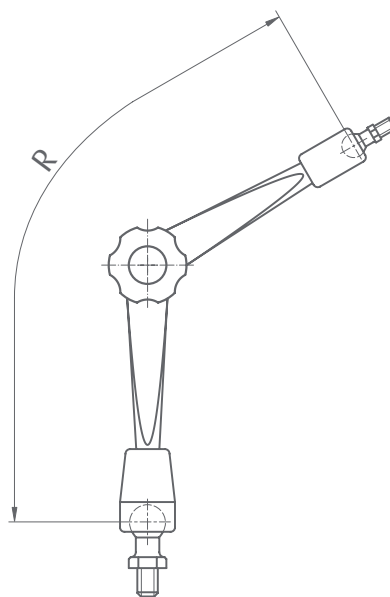
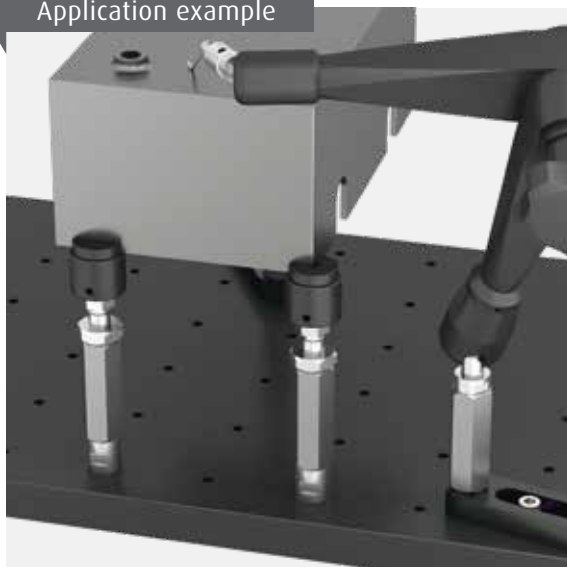
Articulated arms

Description

Progressive clamping articulated arms with a connection screw in the base and a quick-change adapter on the arm. Mechanical articulated arm. Central locking. Holding force at right angles 100 N (type MU) or 80 N (type SU).



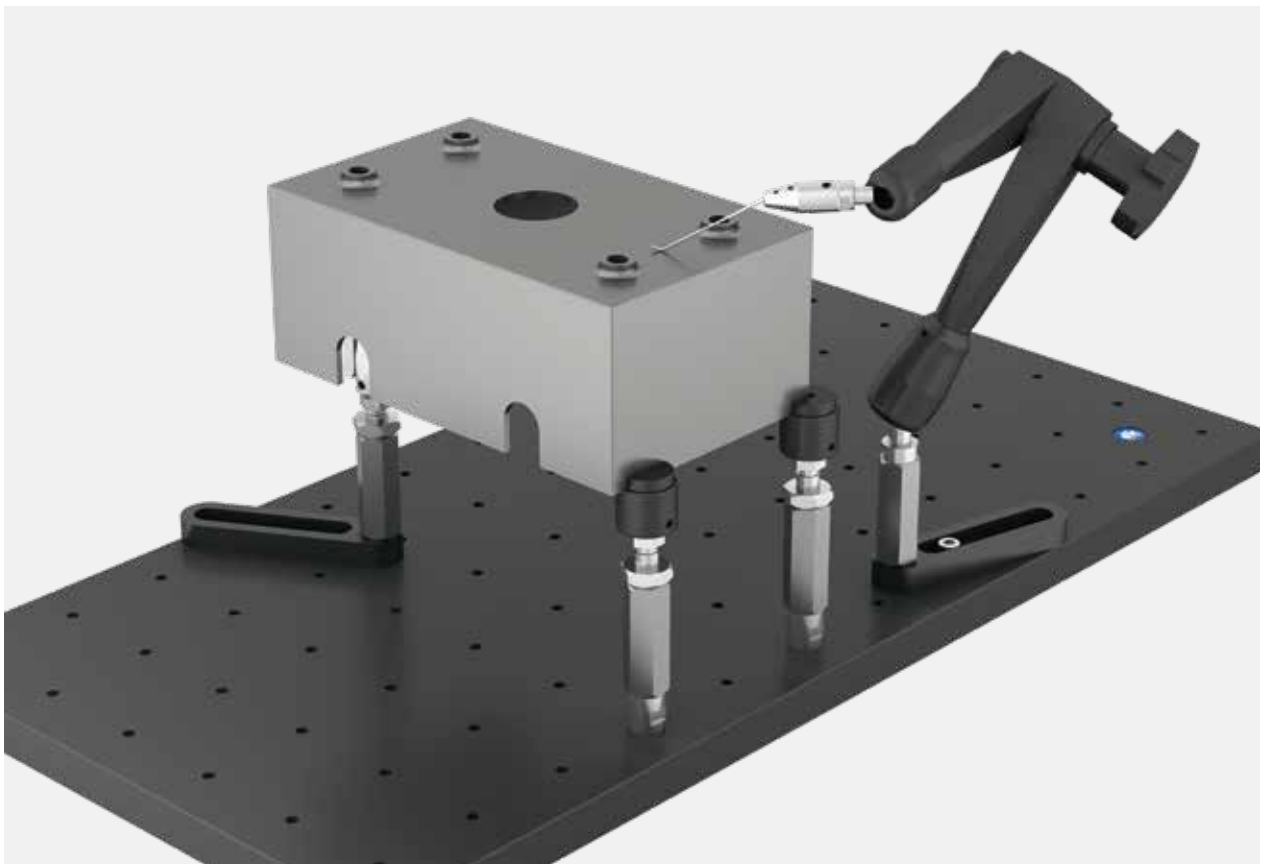
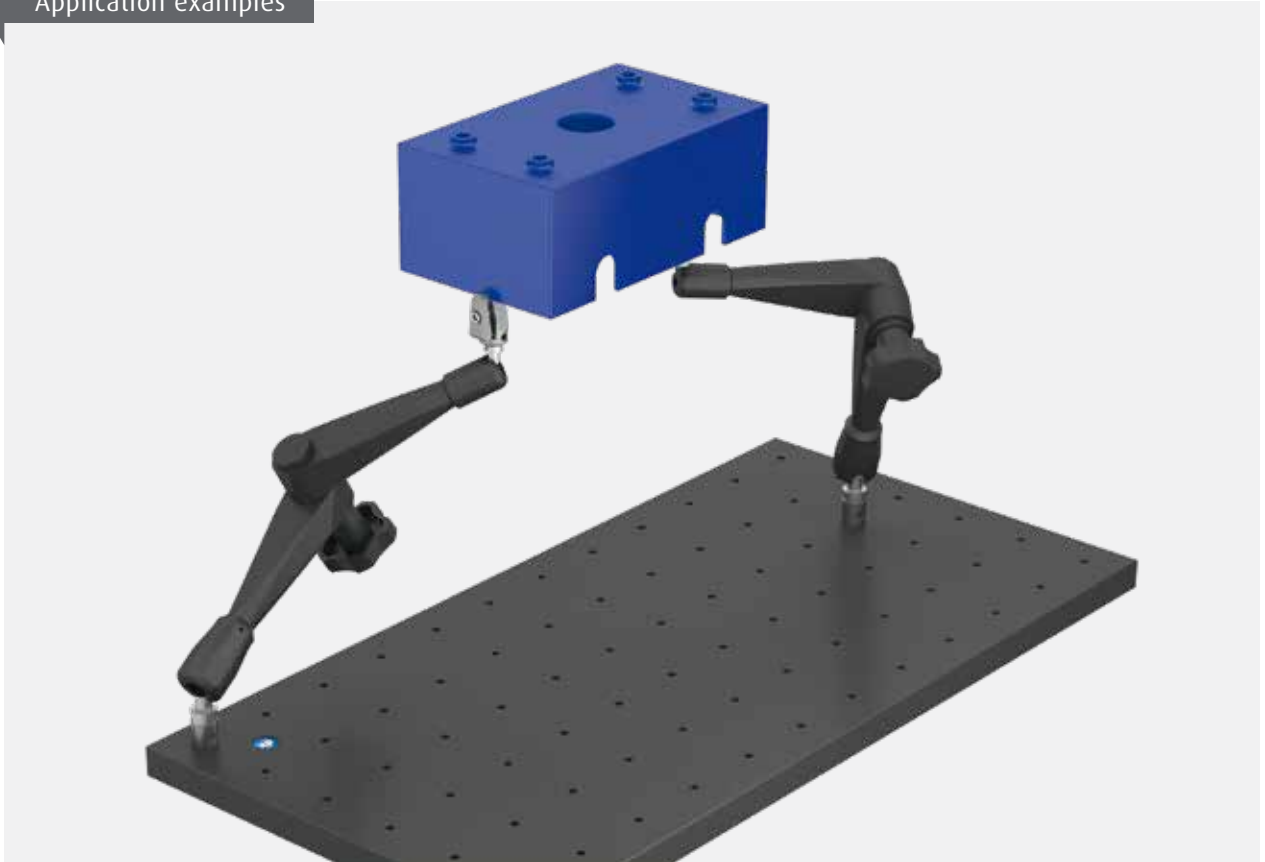
Application example



Order No.	Model	Thread	Adapter	Action range (R)
296800	SU	M 8	SWA 5	160
296700	SU	M 8	SWA 8	160
296900	MU	M 10	SWA 5	280
297000	MU	M 10	SWA 8	280



Application examples



Spring fingers

Description

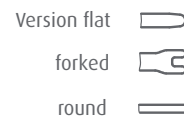
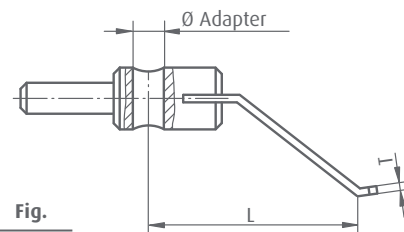
For the simple and quick holding down of workpieces.
Self-locking on round columns due to the applied tension by manually pressing down.

Material

Stainless steel.



Application example



Order No.	Adapter Ø	Version	T	L	Fig.
269037	4	Flat	0.4	30	
343700	4	Flat	0.8	30	
269038	4	Round	1.1	40	
269039	4	Round	1.1	60	
343710	4	Flat	0.8	30	
302750	6	Round	1.1	50	
302760	6	Round	1.5	50	
302800	6	Flat	1	50	1
302900	6	Flat	1	75	
302810	6	Flat	1	90-125	2
302910	6	Flat	1	115-150	
302300	12	Flat	1	75	3
302400	12	Flat	1	95	
302320	12	Flat	1	120-150	
302500	12	Flat	1.5	75	
302600	12	Flat	1.5	95	
302520	12	Flat	1.5	120-150	
302350	12	Round	2.5	80	4
302340	12	Round	3	80	
302510	12	Forked	1.5	75	5
302610	12	Forked	1.5	95	

Columns with screw

Description

Columns with threaded connection for mounting spring fingers or for use as a stop element.

Material

Stainless steel.



Application example



Order No.	Column Ø	Thread	Length
269042	4	M 4	30
269043	4	M 4	50
269044	4	M 4	75
368100	6	M 6	30
368120	6	M 8	30
368200	6	M 6	50
368220	6	M 8	50
368300	6	M 6	75
368400	6	M 6	100
368500	6	M 6	125
368505	6	M 6	150
368600	12	M 6	50
368620	12	M 8	50
368700	12	M 6	100
368720	12	M 8	100
368800	12	M 6	150
368820	12	M 8	150
368900	12	M 6	200
368920	12	M 8	200
368610	12	M 10	50
368710	12	M 10	100
368810	12	M 10	150
368910	12	M 10	200

M ...

Adapter plates for columns

Description

Adapter plates for columns with M6 threads (e.g. for spring fingers) for mounting on M8 and M10 hexagonal extension pieces, self-aligning pads, rest pins and M10 quick-change adapters.

Material

Stainless steel.



Order No.	Hole	Overhang
353700	Ø 10	50
353800	Ø 10	72

Application example



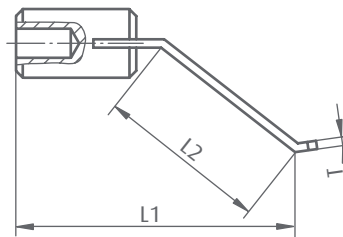
Spring fingers with quick-change adapter

Description

Spring finger with SWA 5 quick-change mount for fastening to articulated arms.

Material

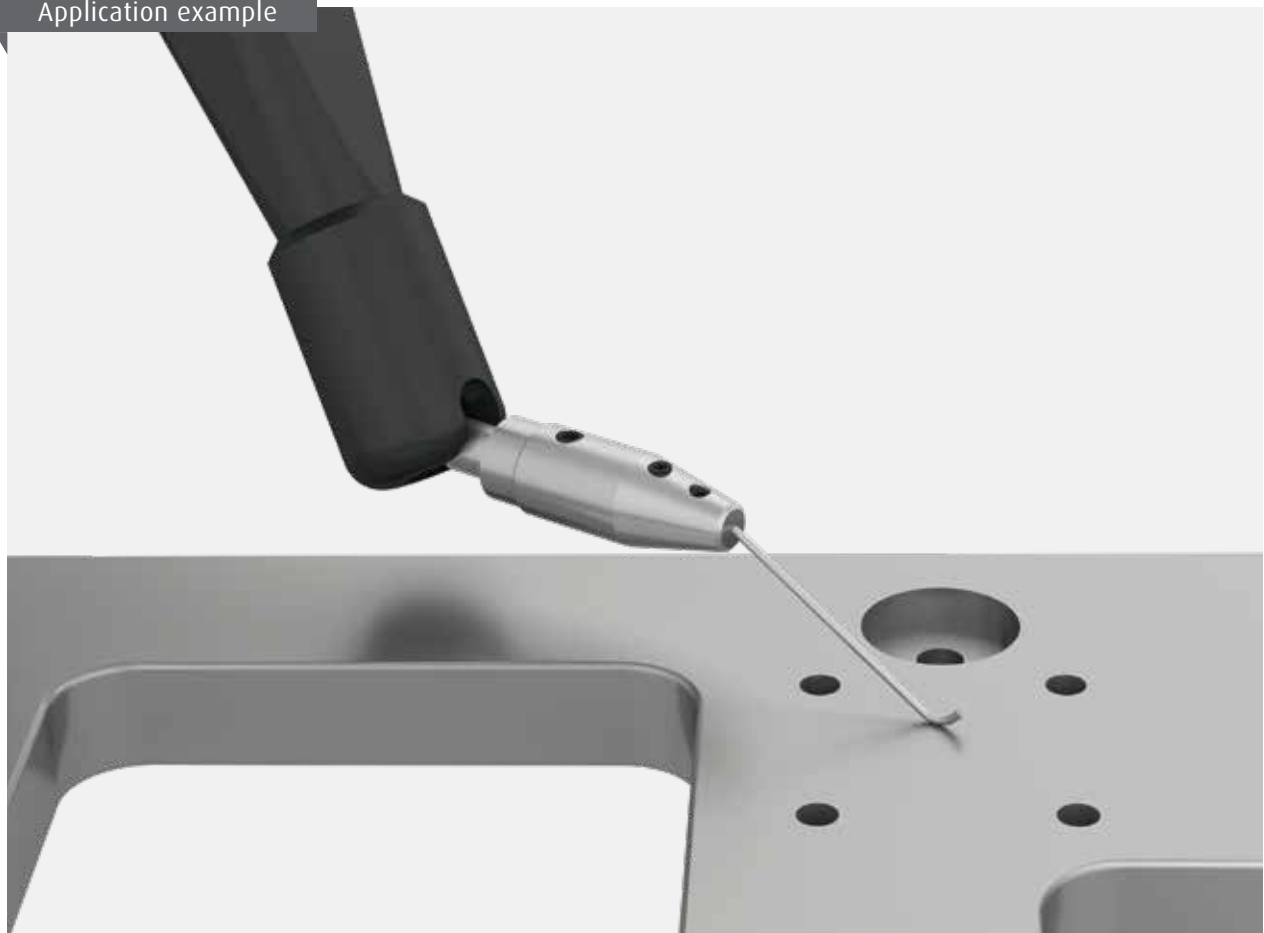
Stainless steel.



Order No.	Connection	T	L1	L2	Version	Fig.
269300	SWA 5	1.1	55	35	Round	
268300	SWA 5	1.1	70	50	Round	1

SWA 5

Application example



Toggle clamps with support

Description

Toggle clamps with support and M10 thread.

Supplied with

Locknut.



Application example



Order No.	Overhang	Clamping range	Height
336300	32	0-20	100
336400	51	0-27	115

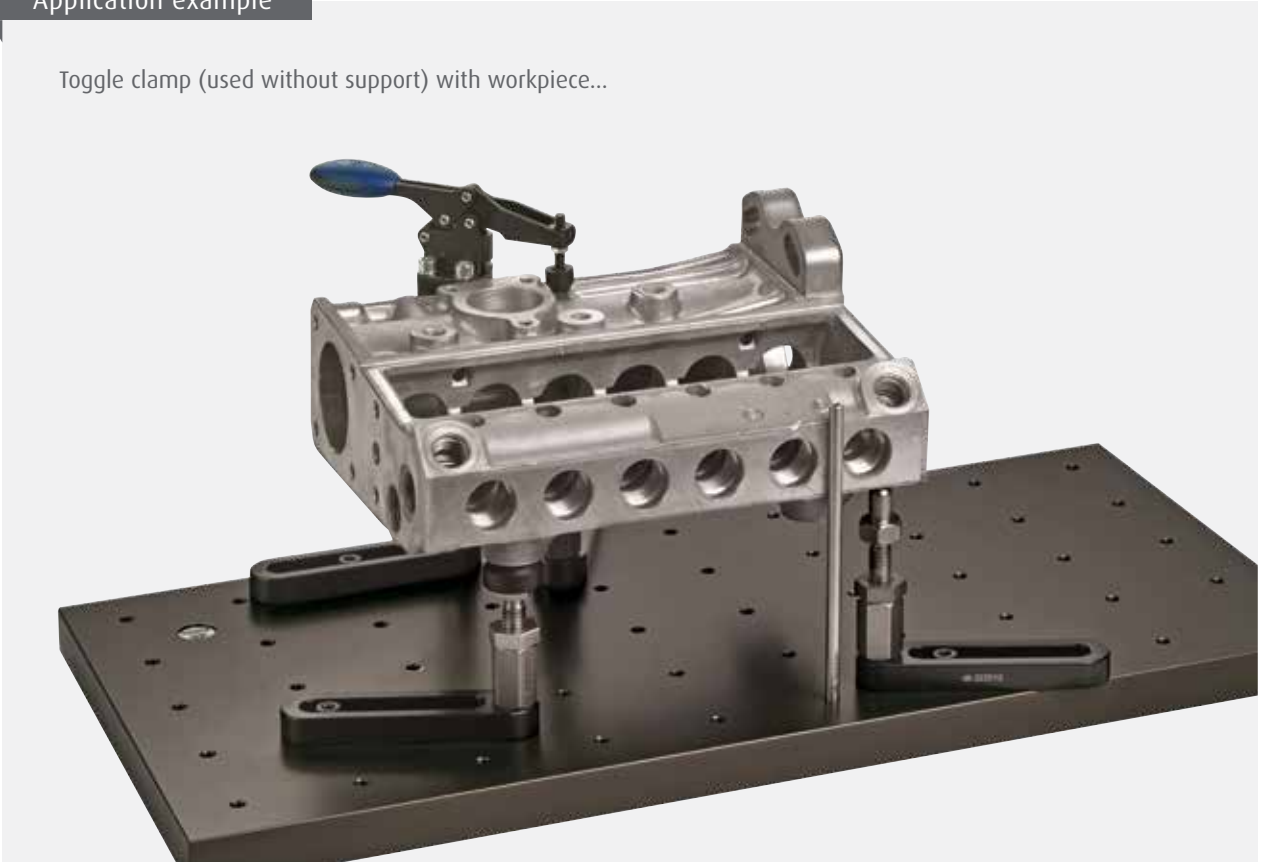
M 10

Application example



Application example

Toggle clamp (used without support) with workpiece...



...and without workpiece



Parallel clamps

Description

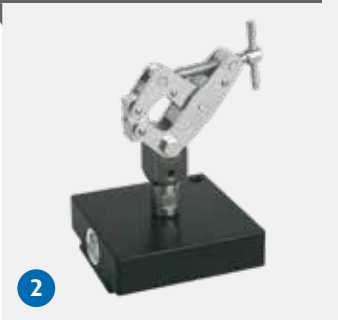
Parallel clamps with a maximum clamping range of 75 mm. The jaw blocks have 4 faces and are available in different versions - flat, with a prism for holding round workpieces or convex for holding workpieces that are highly sensitive to bending. The clamps are mounted on SWA 5 or SWA 8 quick-change adapters.

Material

Stainless steel/steel/aluminium.



Application examples



Combined with an SWA 5 quick-change mount on an SWA 29 adapter... or on an articulated arm



Order No.	Clamping range	Connection	Jaw faces	Version	Fig.
278800	0-25	SWA 5	3 flat, 1 long prism	Both jaws rotatable	1
278600	0-25	SWA 5	2 flat, 1 long prism, 1 convex	Both jaws rotatable	1
278400	0-25	SWA 8	3 flat, 1 long prism	Both jaws rotatable	1
334900	0-25	SWA 8	2 flat, 1 long prism, 1 convex	Both jaws rotatable	1
278500	0-25	SWA 39	3 flat, 1 long prism	Both jaws rotatable	2
279610	0-50	SWA 8	3 flat, 1 long prism	Both jaws rotatable	
279620	0-75	SWA 8	3 flat, 1 long prism	Both jaws rotatable	

Parallel clamps with guide pin

Description

Parallel clamp with guide pin fixed in lower jaw to secure the jaws against rotation. Mounted on SWA 5, SWA 8 or SWA 39 quick-change adapters.

Material

Stainless steel/aluminium.

Application example



Order No.	Clamping range	Connection	Version	Fig.
279200	0-25	SWA 5	cross prism in lower jaw	
279210	0-25	SWA 8	cross prism in lower jaw	
279600	0-50	SWA 8	cross prism in lower jaw	1
279300	0-50	SWA 39	cross prism in lower jaw	2

SWA 5

SWA 8

SWA 39

Application example



Tension clamp

Description

Tension clamp for mounting on articulated arms. The tension clamp is designed for use with an articulated arm, the draw hook is pulled out by hand and hooked over a workpiece to provide tension. Connection with SWA 8 quick-change mount.

Material

Stainless steel.



Order No.	Connection	Size	Length	Hook travel	Tensile force (N)
376800	SWA 8	hook shaft Ø10	81	11	80

SWA 8

Prism with spring finger

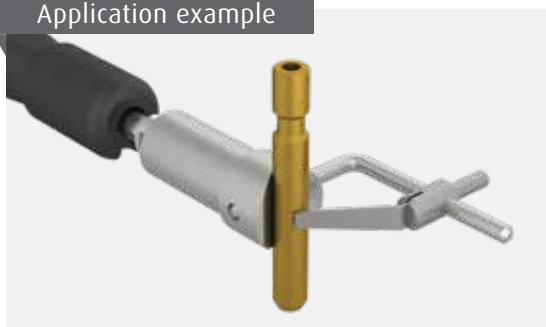
Description

120° prism on a column with a spring finger. Connection with SWA 8 quick-change mount.

Material

Stainless steel.

Application example



Order No.	Connection	Clamping range	Prism length	Height
285810	SWA 8	Ø 2–25	20	45

SWA 8

Clips

Description

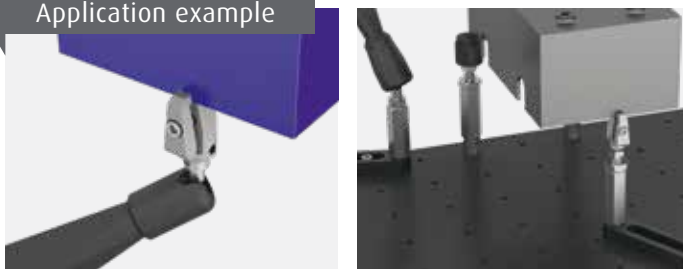
Clip for fixating thin, rigid parts.
Clamping with a ball-head screw. Connection with SWA 5 or SWA 8 quick-change mount.

Material

Steel.



Application example



Order No.	Connection	Jaw depth	Clamping width
302100	SWA 5	5	3
302000	SWA 8	5	3

SWA 5

SWA 8

Accessories

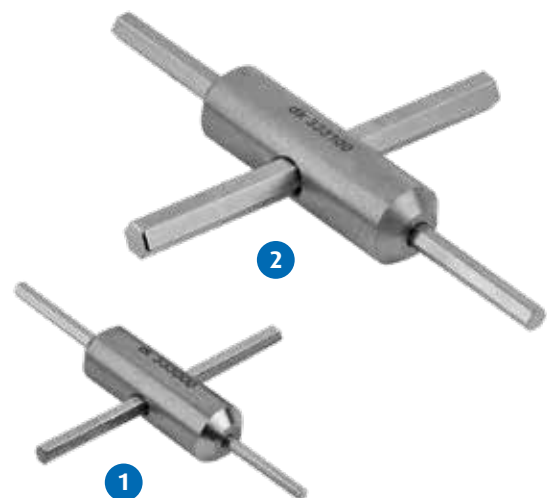
+ Four-way hexagon key

Description

Practical and compact cross design with 3 key sizes per tool. Covers all hexagon socket sizes used in the Spannfix and Schienenfix ranges.

Material

Steel/stainless steel.



Order No.	Size	Fig.
333000	2 / 2.5 / 3	1
333100	4 / 5 / 6	2

Quick-action clamp with fastening screw

Description

SWA 39 quick-action clamp for direct mounting in tapped holes or T-slots. Mounted on a 12mm high intermediate plate.

Material

Hard-coated aluminium/stainless steel.

Supplied with

Fasteners



Order No.	Fastening screw	Height
285204	M 4	23.5
285205	M 5	23.5
285206	M 6	23.5
285208	M 8	23.5
285210	M 10	23.5
285212	M 12	23.5

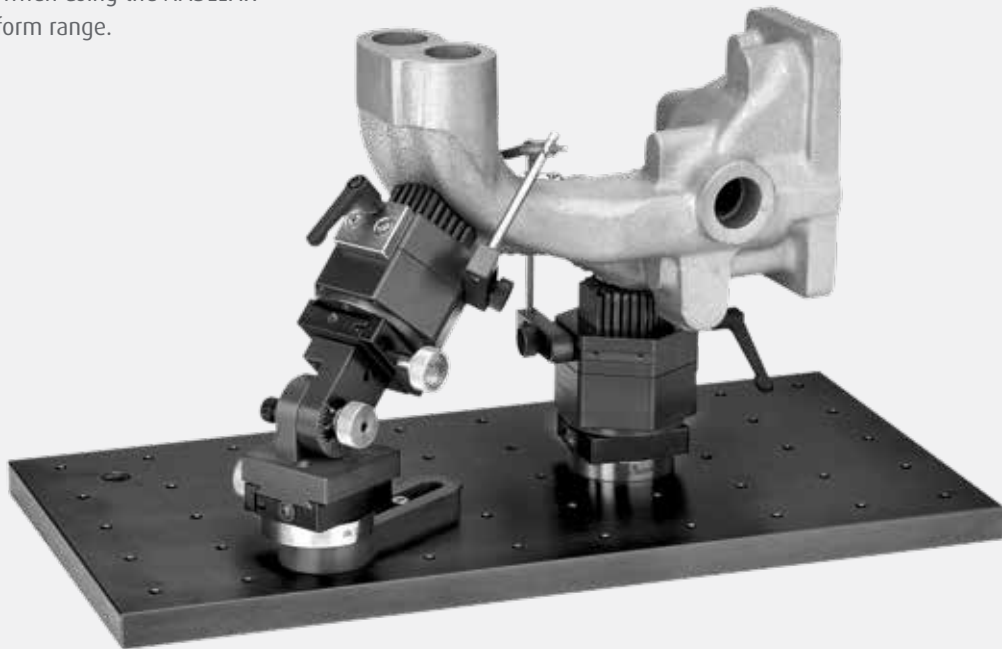
SWA 39
M ...

Application example



Application examples

The SWA39 elements can form a support in the context of the fixation of large parts e.g. when using the *NADELFIX* negative form range.



Especially in combination with standard clamping elements such as vice and chucks, the system offers a rapid and extremely flexible, exactly reproducible positioning of clamping elements by means of the SWA 39 quick-action clamp for M 6.

The result is a zero-point clamping setup for workpieces which can be dismantled and identically reassembled.



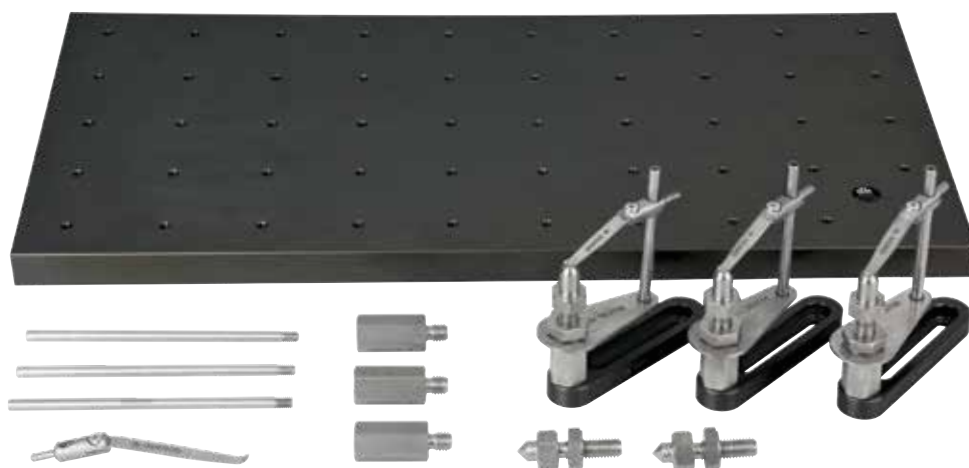
Spannfix ECO basic set

Description

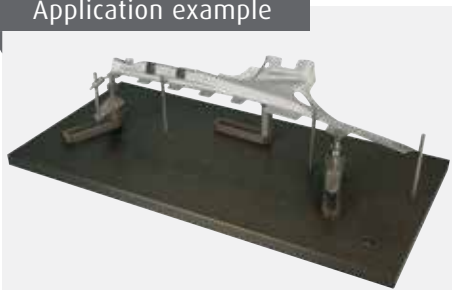
Set with diverse supports, extension pieces and stops. Workpieces are held using spring fingers.

The basic part is a baseplate with M6 mounting holes for rapid and flexible positioning of modular elements.

Available in sizes 500 x 250 mm or 600 x 300 mm.



Application example



Set versions

Order No.	Description
285130	Spannfix ECO basic set "1"
285140	Spannfix ECO basic set "2"

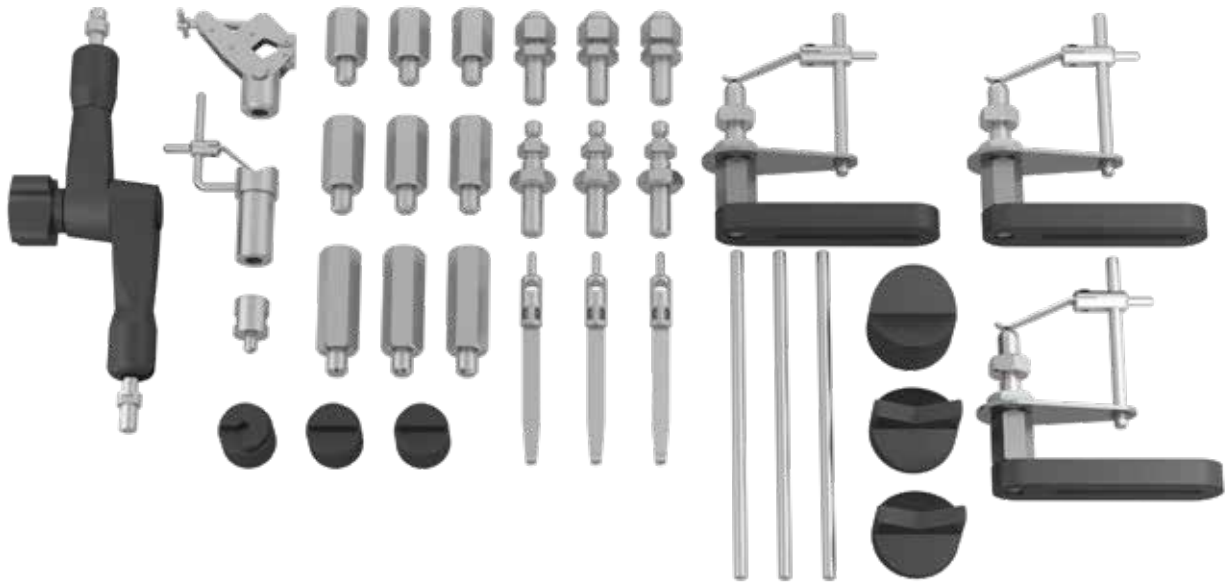
Set contents

Order No.	Description	Set "1"	Set "2"
395030	Baseplate with tapped holes, 500 x 250 mm	1	-
395040	Baseplate with tapped holes, 600 x 300 mm	-	1
322005	Screw jack set with spring finger	3	3
322600	Screw jack with 90° point	2	2
322300	35 mm extension piece	3	3
368500	125 mm columns, for spring finger or as stops	3	3
302900	75 mm spring finger	1	1

Spannfix ECO expansion set

Description

Expansion set with diverse support, extension and clamping modules.



Set versions

Order No.	Description
285155	Spannfix ECO expansion set

Set contents

Order No.	Description	Quantity
296700	SU/SWA 8 articulated arm	1
278400	0-25 mm parallel clamp	1
285810	Prism with spring finger	1
322200	25 mm extension piece	3
322300	35 mm extension piece	3
322400	50 mm extension piece	3
323000	Self-aligning pads M10	3
329500	M 10/SWA 8 quick-change mount	3
275000	Thread reducer M6/M8	1
322005	Screw jack set with spring finger	3
368505	150 mm column for spring finger	3
302900	75 mm spring finger	3
303810	SWA 8 stepped support	2
303815	SWA 8 angular support	1
323500	SWA 8 120° prism, 8 mm	2
323400	SWA 8 120° prism, 40 mm	1

Spannfix ECO complete set

Description

The set contains diverse supports, extension pieces and stops. Workpieces are held using spring fingers or parallel clamps. The basic part is a baseplate with M6 mounting holes for rapid and flexible positioning of modular elements. Set "1" includes a 500 x 250 mm baseplate, set "2" includes a 600 x 300 mm baseplate. The complete set enables a wide variety of metal and plastic plate, milled and turned parts to be clamped.

Ordering information

When ordering, let us know the thread or T-slot size on your measuring equipment.

Set contents

Order No.	Description
285160	Spannfix ECO complete set "1"
285170	Spannfix ECO complete set "2"



Set contents

Order No.	Description	Set "1"	Set "2"
395030	Baseplate with tapped holes, 500 x 250 mm	1	
395040	Baseplate with tapped holes, 600 x 300 mm		1
281436	Baseplate clamping claws (set)	1	1
285206	Quick-action clamp	1	1
322005	Screw jack set with spring finger	6	6
322600	Screw jack with 90° point	3	3
323000	Self-aligning pads	3	3
368500	125 mm columns, for spring finger or as stops	6	6
368505	150 mm columns, for spring finger or as stops	3	3
353800	Adapter plates for columns	3	3
302900	75 mm spring finger	3	6
322200	25 mm extension	6	6
322300	35 mm extension	6	6
322400	50 mm extension	6	6
304400	100 mm extension	3	3
336400	Toggle clamps with support	3	3
329500	Quick-change mounts	3	3
323500	8 mm prism 120°	1	1
323400	40 mm prism 120°	1	1
303700	25 mm centre point, 90°	1	1
303800	40 mm centre point, 90°	1	1
275000	Thread reducer M6/M8	2	2
296700	Articulated arms type SU	2	2
278400	0-25 mm parallel clamp	2	2
285810	120° prism with spring finger	1	1

Application example

