

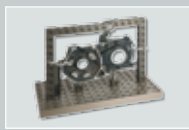
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Fixturing systems for tactile measurement



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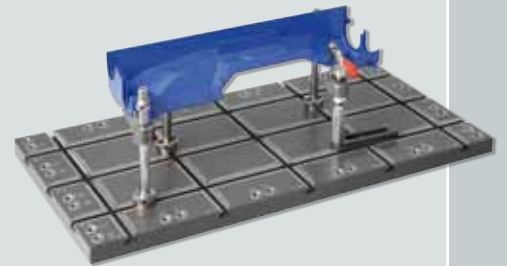
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Article numbers + symbol legend





SPANNFIX




- » Fixturing systems for tactile measurement
- » Modular structural elements
- » Quick assembly






- » Accessible measurement points
- » Reliable measuring
- » Reproducible assembly
- » Combinable systems

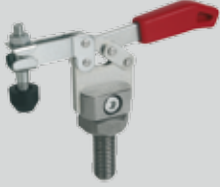




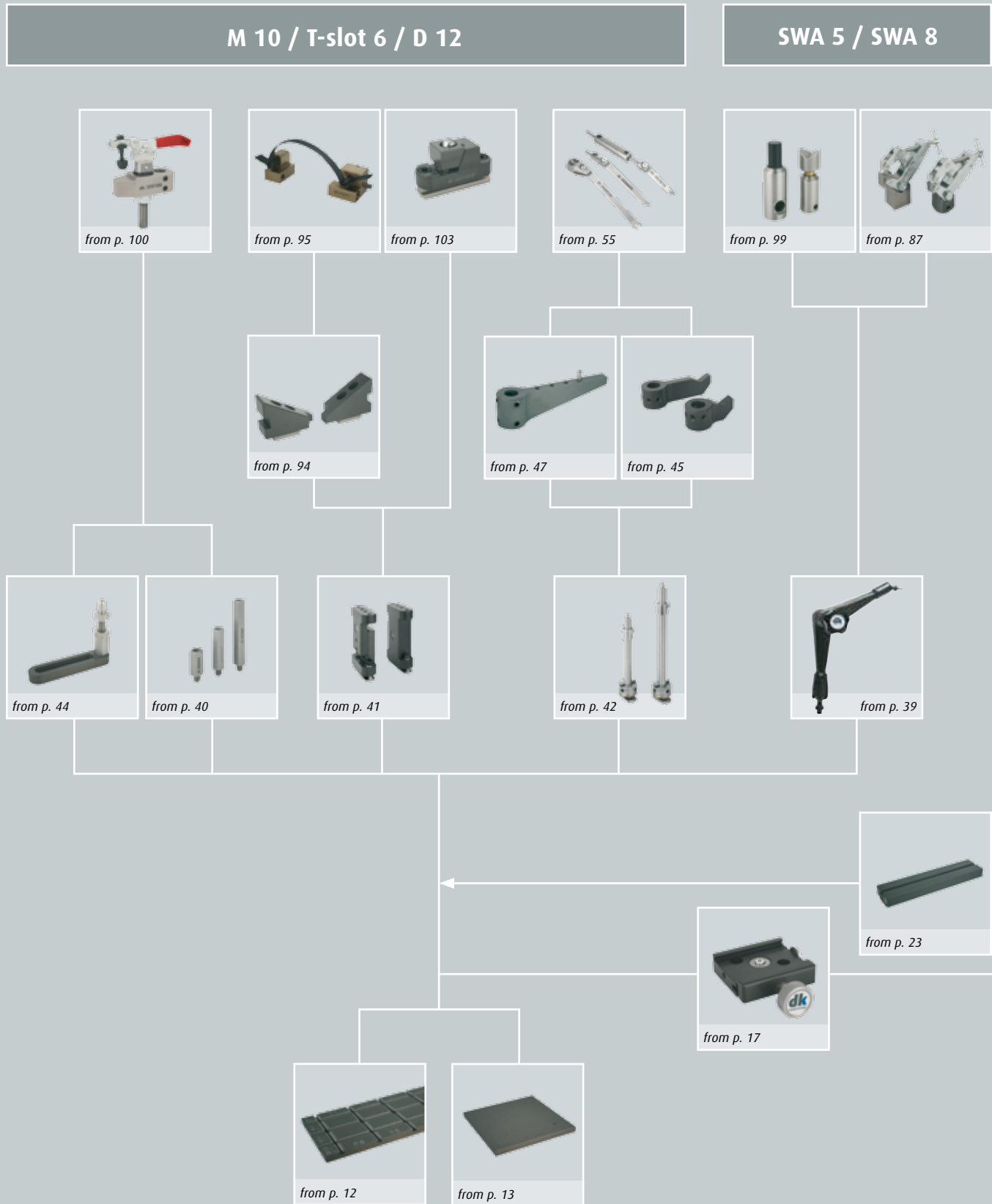
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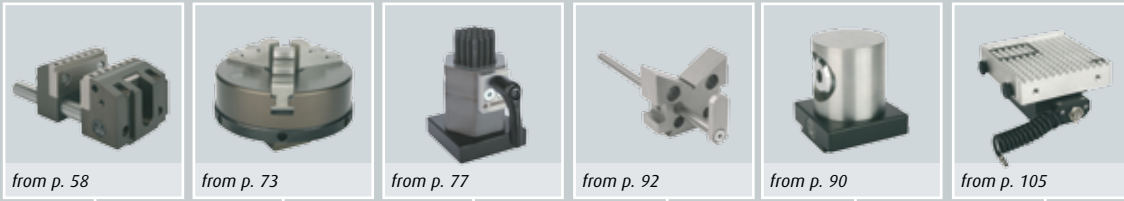
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↪ The diagram shows only a selection of the elements available

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SWA 39



Clamping elements

Structural elements

Base elements

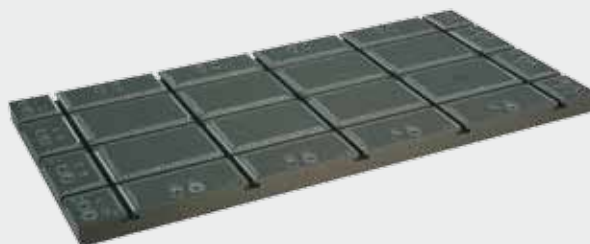
T-slot base plates

Description

Base plate with 6 mm T-slot and connection thread.
As an option, may include scale for exact and reproducible positioning of clamping elements.

Material

Hardcoated aluminium / threaded bushings in stainless steel.



↪ Versions with non-standard dimensions available on request. For set versions, see page 114.



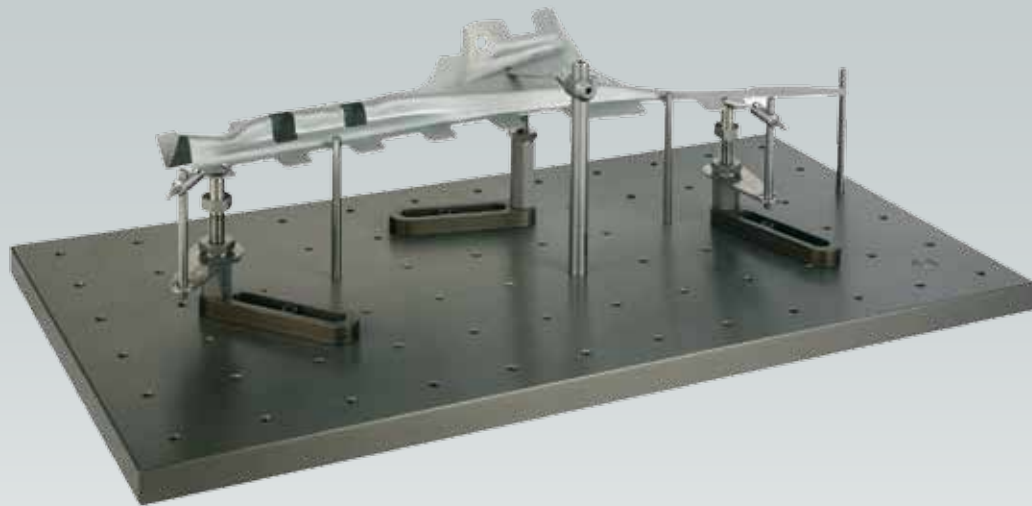
T-slot 6 M 8 M 10

With scale

Order number	Dimensions	Scale	Longitudinal / transverse slots	Thread	Approx. weight (kg)
281200	400 x 400 x 24	with	4/4	M 8	10.2
280500	500 x 250 x 24	with	2/4	M 8	10.5
280800	600 x 300 x 24	with	3/5	M 8 / M 10	12.4
280900	800 x 400 x 24	with	4/6	M 8 / M 10	22.4

Without scale

Order number	Dimensions	Scale	Longitudinal / transverse slots	Thread	Approx. weight (kg)
281205	400 x 400 x 24	without	4/4	M 8	10.2
280505	500 x 250 x 24	without	2/4	M 8	10.5
280805	600 x 300 x 24	without	3/5	M 8 / M 10	12.4
280905	800 x 400 x 24	without	4/6	M 8 / M 10	22.4



Base plates with tapped hole

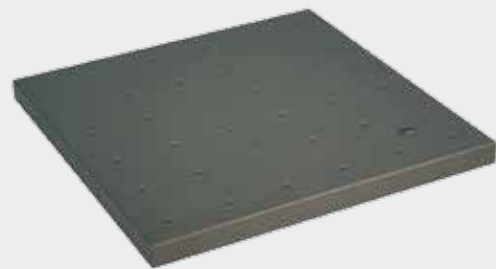
Description

Base plate with a 50 mm pattern of M 6 connection threads.

Material

Hardcoated aluminium.

↪ For set versions, see page 112.



M 6

Order number	Dimensions	Thread	Approx. weight (kg)
395020	300 x 300 x 20	M 6	5.4
395030	500 x 250 x 20	M 6	7.4
395040	600 x 300 x 20	M 6	10.8

T-slot base plates, round

Description

Base plate with 6 mm T-slot and connection thread.
Includes scale for exact positioning of clamping elements.
Ideal for the mounting of rotationally symmetrical parts.

Material

Hardcoated aluminium / threaded bushings in stainless steel.

↳ Versions without scale and with non-standard dimensions available on request.



T-slot 6 M 8

Order number	Diameter	Height	Slots	Thread	Approx. weight (kg)
281000	250	24	6	M 8	3.1
281100	350	24	6	M 8	5.9

Mounting frame with T-slot

Description

Mounting frame with T-slot.
Includes scale for exact positioning of clamping elements.

Material

Hardcoated aluminium.

Scope of delivery

Includes two longitudinal and three transverse rails and fasteners.

↳ Version without scale available on request.



T-slot 6

Order number	Length	Width	Height	Approx. weight (kg)
281600	500	300	24	3.6
281900	650	350	24	4.3

+ Accessories for base plates

Claws

Description

1 set of claws for base plates in thicknesses of 20 / 24 mm.

Order number	For plate thickness	Thread
281436	20	M 6
281438	20	M 8
281430	20	M 10
281432	20	M 12
281406	24	M 6
281408	24	M 8
281410	24	M 10
281412	24	M 12



M ...

Plate connectors: fully mating connection

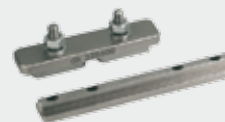
Description

Fasteners for joining T-slot base plates.

Material

Steel.

Order number	Plate connector length
328400	75
328300	100



T-slot 6

Plate connectors: connection with gap

Description

Fasteners for joining T-slot base plates.

Material

Hardcoated aluminium / steel.

Order number	Plate connector length	Gap between plates
328000	690	max. 500
328100	940	max. 750
328200	1190	max. 1.000



T-slot 6

Handle

Description

Grip that attaches to a T-slot to make T-slot base plates easier to carry.

Scope of delivery

1 set of 2 handgrips including fasteners.

Order number	Length	Height
328500	150	45



T-slot 6

Airbase:

- The airbase air-powered sliding foot provides ideal basic attachment to smooth bases where the mounting options do not include, for example mounting holes.
- The Airbase glides like an air cushion and is secured in position by a vacuum. A clamping fixture can therefore be manoeuvred into any position on the measuring bench – no screws required.
- An SWA 39 interface fitted to the product surface is ideal for the quick, reliable and straightforward mounting of any connection module required for swivelling and fixturing measurement parts and test parts.



Airbase

Description

Base anchorage on smooth surfaces. Easy-glide air cushion. Fixturing by vacuum. Connection modules with SWA 39 interface. Maximum load capacity of approximately 15 kg. Operating pressure 4.5 to 6 bar. Operation only with dry and oil-free air: use maintenance unit (270400) if necessary.

Scope of delivery

Includes spiral hose and G 1/4" nipple.

Accessories

Maintenance unit (270400) with filter, separator and pressure relief valve.



SWA 39

Order number	Length	Width	Height	Version	Approx. weight (kg)
270000	300	200	56	-	3.3
270200	300	200	56	with external vacuum connection	3.3

Quick-action clamps with fastening screw

Description

SWA 39 quick-action clamp for direct anchoring in tapped holes. Mounted on 12 mm intermediate plate.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes fastening screw.



Order number	Fastening screw	Height
285206	M 6	23.5
285208	M 8	23.5
285210	M 10	23.5
285212	M 12	23.5

Quick-action clamp for T-slot

Description

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

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes T-slot block and fastening screw.



Order number	Height
285300	23.5

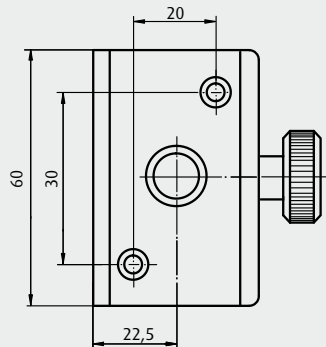
Quick-action clamp for special fixturing arrangements

Description

SWA 39 for screwing onto special fixturing arrangements.

Material

Hardcoated aluminium.



Order number	Height
273300	11.5

Quick-action clamp for T-slot, adjustable

Description

SWA 39 quick-action clamp for mounting in a T-slot. Two thumbscrews enable the adapter plate to be precisely adjusted. Adjustment range ± 12.5 mm.

Material

Hardcoated aluminium.

Scope of delivery

Includes T-slot block and centring screws.



Order number	Length	Width	Height
285320	70	140	40

Quick-action clamps with extension element

Description

SWA 39 quick-action clamp for direct anchoring in tapped holes. Mounted on 50 / 100 mm extension elements.

Material

Hardcoated aluminium.

Scope of delivery

Includes fastening screw.



Order number	Fastening screw	Height
330506	M 6	61.5
330508	M 8	61.5
330510	M 10	61.5
330512	M 12	61.5
330606	M 6	111.5
330608	M 8	111.5
330610	M 10	111.5
330612	M 12	111.5

Quick-action clamp for mounting in a vice

Description

SWA 39 quick-action clamp for mounting in any commercially available vice (min. opening 40 mm).

Material

Hardcoated aluminium / steel.



Order number	Height
330800	55

Quick-action clamp with manual suction attachment

Description

SWA 39 quick-action clamp for anchoring on smooth surfaces. High retention forces maintained by two separate suction modules.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height	Approx. weight (kg)
270010	90	180	50	1.100

Quick-action clamps for Alufix

Description

SWA 39 quick-action clamp mounted on Alufix 16 or 25 base plates.

Material

Hardcoated / anodised aluminium.



SWA 39

Order number	System	Length (Alufix)	Width (Alufix)	Height
274510	16	64	32	27.5
274500	25	75	50	36.5
274600	25	100	50	36.5

Quick-action clamp with magnet

Description

SWA 39 quick-action clamp with switchable permanent magnet for anchoring on steel plates.
Vertical pull force 100 kg.

Material

Hardcoated aluminium / steel.



SWA 39

Order number	Length	Width	Height	Approx. weight (kg)
313800	76	108	84	1.510

Magnetic mount

Description

Switchable permanent magnet with M 10 connection thread.
Vertical pull force 100 kg.

Material

Steel.



M 10

Order number	Length	Width	Height	Approx. weight (kg)
314800	67	52	60	1.375

Adapter plates

Description

Base plate with SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Version	Length	Width	Height
273000	standard interface	60	60	20
314500	cross interface	60	60	20

Adapter plate with mounting holes

Description

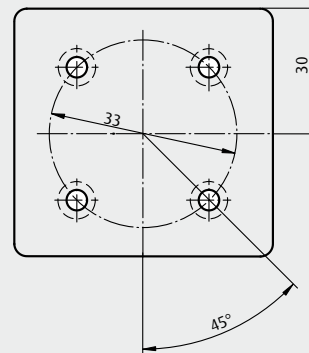
Base plate with hole pattern.
Customer-specific hole patterns on request.

Material

Hardcoated aluminium.

Scope of delivery

Includes M 4 fastening screws.



Order number	Length	Width	Height
397020	60	60	20

Adapter plates with T-slot

Description

Base plate with T-slot for mounting various modules.
Includes an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



Order number	Length	Width	Height	Approx. weight (kg)
315600	60	60	20	0.160
325300	80	60	20	0.220
305000	140	60	25	0.470
305100	250	60	30	1.040

Intermediate plates

Description

T-slot plates for mounting on base plates with T-slot or M 6 mounting threads. For x/y adjustment.

Material

Hardcoated aluminium.

Scope of delivery

Includes T-slot block for T-slot.



Order number	Slot quantity	Length	Width	Height	Approx. weight (kg)
325000	2	117	117	20	0.710
325100	3	117	117	20	0.680

Slotted plates with SWA 39 adapter

Description

Slotted plate with SWA 39 quick-change adapter on the underside of the plate.

Material

Hardcoated aluminium.

↳ For set version see page 117.



Order number	Longitudinal/transverse slots	Length	Width	Height	Approx. weight (kg)
280300	2/3	200	150	44	1.850
280400	2/3	300	200	44	3.650



Quick-action clamps with height extension

Description

Extension modules with SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height
273600	60	60	50
273700	60	60	100

Quick-action clamps with adjustable height extension (quick adjustment)

Description

Extension modules, freely adjustable and lockable. With M 4 mounting thread or SWA 39 quick-change adapter. The version with M 4 mounting thread can, for instance, be mounted on the adjustable multipurpose rails.

Material

Hardcoated aluminium.

↪ For multipurpose rails, see page 37.



Order number	Length	Width	Height	Connection
397000	60	60	65-95	4 x M 4
397005	60	60	65-95	SWA 39
397001	60	60	95-150	4 x M 4
397006	60	60	95-150	SWA 39

Quick-action clamps with adjustable height extension (precision adjustment)

Description

Extension modules with threaded spindle and knurled screw and lock for continuously variable precision adjustment. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height
273800	60	60	60-80
273900	60	60	80-120

Quick-action clamp with 90° offset

Description

SWA 39 quick-action clamp for the mounting of modules offset through 90°.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height
314400	60	60	31.5

Quick-action clamp with carriage guide

Description

Quick-action clamp with precise adjustment. Adjustment range max. 25 mm. Play-free guide. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Adjustment range	Height
314450	80	80	25	55

Quick-action clamp with cross table

Description

Quick-action clamp with x/y adjustment. Each adjustment range max. 25 mm. Play-free guides. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Adjustment range	Height
314460	80	80	25 each way	78

Quick-action clamp, rotating / freely adjustable and in 90° increments

Description

Quick-action clamp, freely adjustable and in 90° increments. Locking function can be removed. Angular adjustment on a precise 2° scale. Lockable using knurled nuts. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium, stainless steel spindle.



SWA 39

Order number	Length	Width	Height	Rotatability
283450	60	80	52	360°

Quick-action clamp, swivel unit (quick adjustment)

Description

Quick-action clamp, can be swivelled $\pm 90^\circ$, freely and in 45° increments. Scale with divisions of 5° . Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height	Swivel range
314000	60	80	87	+90° / -90°

Quick-action clamp, swivel unit (precision adjustment)

Description

Quick-action clamp that swivels freely through $+90/-55^\circ$. Pivoting is driven by a worm gear. Angular adjustment on a precise 2° scale. Repeat accuracy $<0.05^\circ$. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium / steel screw.



SWA 39

Order number	Length	Width	Height	Swivel range
314010	85	80	97	+90° / -55°



Quick-action clamp, rotary and swivel unit

Description

Quick-action clamp, rotating and swivelling. $+90^\circ / -55^\circ$
 Pivoting is driven by a worm gear. Repeat accuracy $<0.05^\circ$.
 Can be freely rotated 360° , or in 90° increments. Locking
 function can be removed.
 Angular adjustment on a precise 2° scale. Lockable using
 knurled nuts. Mounted on an SWA 39 quick-change
 adapter.

Material

Hardcoated aluminium, stainless steel spindle.
 Steel screw.



SWA 39

Order number	Length	Width	Height	Swivel range	Rotatability
314020	85	80	116	$+90^\circ / -55^\circ$	360°

Quick-action clamp, 90° angle element

Description

90° angle element for the horizontal mounting of positioning and stop elements with an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Angle	Length	Width	Height
283300	90°	60	90	48

Quick-action clamps, 25°/45° angle element

Description

25° and 45° angle mounts for the mounting of positioning and stop elements with an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.

↪ *Other angle elements available on request.*



SWA 39

Order number	Angle	Length	Width	Height
283310	25°	60	60	50
283320	45°	60	60	70

Swivel unit with joint head

Description

Quick-action clamp swivels in all directions, up to a max. of 30°. Joint head can be fixtured using a clamping screw. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height
270550	60	80	68

Swivel unit Monoball

Description

Swivel unit for quick and flexible clamping of parts with three-dimensional adjustment. Rotatable 360°. Swivels up to max. 90°. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Length	Width	Height	Approx. weight (kg)
270500	70	90	120	0.820



Swivel unit Cube

Description

Swivel unit Cube for quick and flexible clamping of parts with three-dimensional adjustment. Both the entire swivel unit and the upper quick-action clamp can be rotated through 360°. Swivels up to 90° with two separate goniometers and a tipping device. Mounted on an SWA 39 quick-change adapter.

Material

Base body made from hardcoated aluminium. Guides and drive made from brass / steel.



SWA 39

Order number	Length	Width	Height	Approx. weight (kg)
270650	110	110	126	1.270

Satellite mounts, universal

Description

Basic mount for M 8, M 10 or SWA 8 modules.
M 6 basic connection thread for T-slot blocks.

Material

Stainless steel / brass.

Scope of delivery

Without T-slot block.

↳ For compatible T-slot blocks, see page 38.



Order number	Version
290610	M 8 female thread
290710	M 10 female thread
292200	SWA 8

Satellite mounts with T-slot block

Description

Mount for M 8 and M 10 modules. With T-slot block for 6 mm T-slot to allow freely adjustable positioning on base plates.

Material

Stainless steel / brass.

Scope of delivery

Includes T-slot block for 6 mm T-slot.



Order number	Version
290600	M 8 female thread
290700	M 10 female thread

Thread adapter

Description

Reducer for mounting articulated clamping arms, for instance.
Width across flats 13 mm.

Material

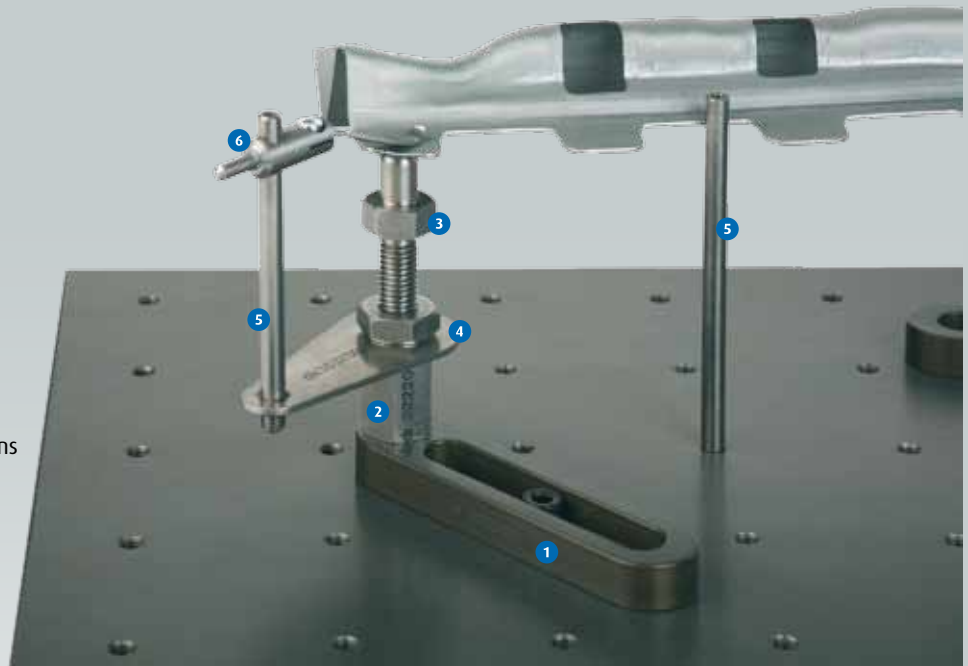
Stainless steel.



Order number	Male thread	Female thread
275030	M 4	M 8
369000	M 5	M 6
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

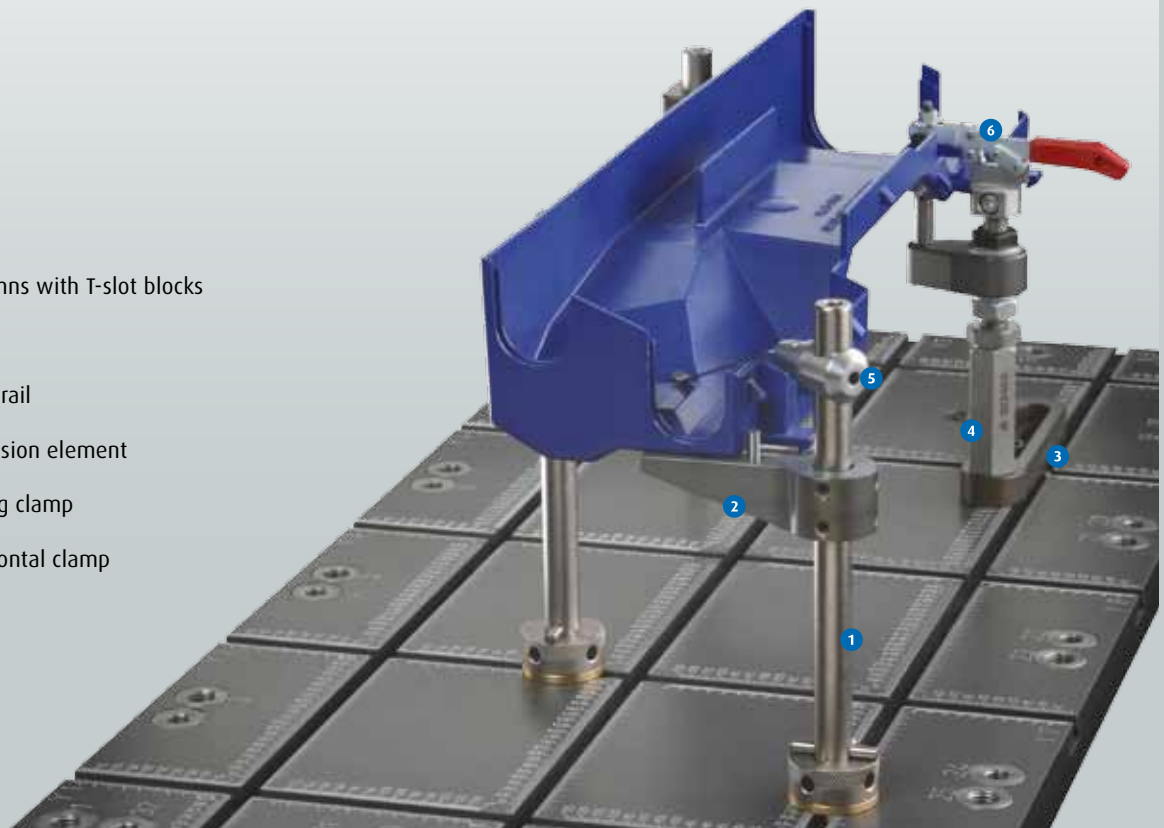


- 1 Base rail
- 2 Extension element
- 3 Formed support
- 4 Retaining plate for columns
- 5 Columns with thread
- 6 Spring clamp



1 + 2 + 3 or 1 + 2 + 3 + 4 + 5 + 6 also available as screw frame set.

- 1 Columns with T-slot blocks
- 2 Arm
- 3 Base rail
- 4 Extension element
- 5 Spring clamp
- 6 Horizontal clamp



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M 10 base rails

Description

Adjustable base rail with slot and M 10 mounting thread.

Material

Hardcoated aluminium.

Scope of delivery

Includes fastening screw. M 4 to M 10 according to customer specification.



Order number	Slot width	Adjustment range	Length	Width	Height
322010	6	60	105	25	12
322100	6	60	105	32	16
357900	10	40	108	35	20

Adjustable multipurpose rails

Description

Base rail for mounting M 10 modules and adjustable height extension elements.

Material

Hardcoated aluminium.

Scope of delivery

Includes fastening screws. M 4 to M 10 according to customer specification.



Order number	Slot width	Adjustment range	Length	Width	Height
397010	6	65	130	50	20
397011	10	30	100	50	20
397012	10	80	150	50	20
397013	10	130	200	50	20

↪ Adjustable height extension elements, see page 26.

T-slot blocks with male thread

Description

T-slot blocks with M 6 male thread for T-slot.



Order number	Version	Compatible with	Thread
326800	standard	6 mm T-slot	M 6
284800	rhombus T-slot block	6 mm T-slot	M 6

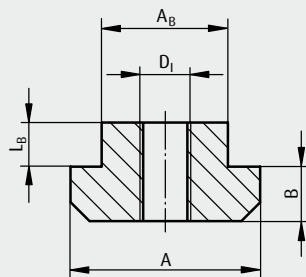
T-slot blocks with female thread

Description

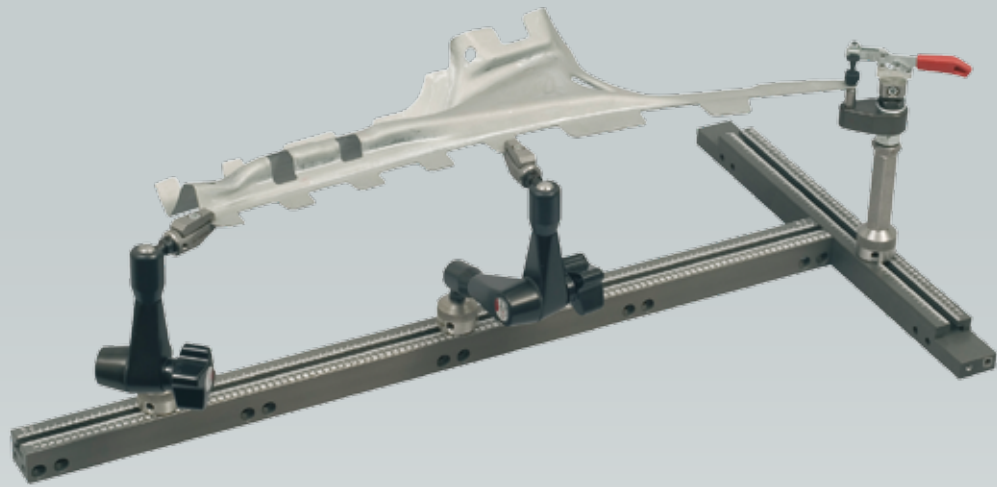
T-slot blocks for mounting on rails and for non-standard applications.

Material

Stainless steel / brass.



Order number	D _I	A _B	A	B	L _B
326400	M 6	6	16	4.8	4.8
284200	M 6	10	15	6	12
284300	M 6	12	18	7	14
284400	M 6	14	22	8	16
284500	M 6	16	25	9	18
284600	M 6	18	28	10	20
284700	M 6	20	32	12	24



Articulated clamping arms:

- Maximum clamping force thanks to specially conceived patented mechanical clamping principle
- Easy to operate thanks to progressive locking action: articulations are both fixtured and released in a defined sequence
- Quick fixturing – all rotary movements are inhibited by a clamping screw

Articulated clamping arms

Description

Articulated stands with progressive clamping effect featuring a threaded mount in the base and a quick-change mount on the arm.
 Mechanical articulated clamping arm. Clamping effect provided by central grip.



Order number	Model	Connection at bottom	Connection at top	Radius of movement (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



M 8 and M 10 extension elements

Description

Extension pieces with male thread at the bottom end and female thread at the top end. Width across flats 17 mm.

Material

Stainless steel.



M 8

M 10

Order number	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
322500	M 10	M 10	60
304400	M 10	M 10	100
253500	M 10	M 10	150

Extension elements for clamping supports

Description

Extension pieces for raising stop and positioning elements.
M 6 mounting thread.

Material

Hardcoated aluminium.

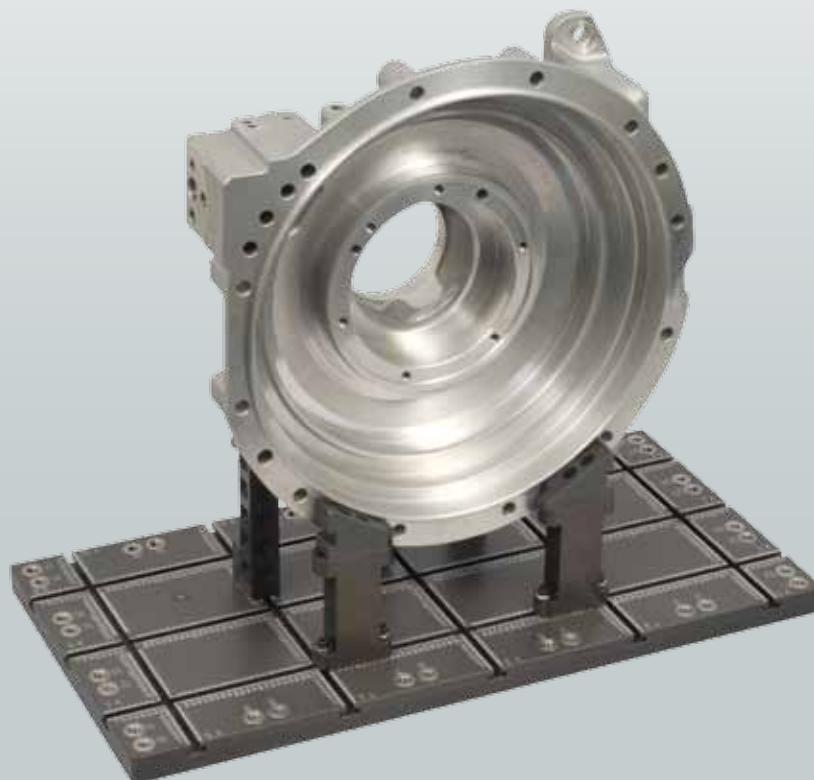
Scope of delivery

Includes T-slot block.



T-slot 6

Order number	Height
323900	30
324000	50
324100	100
324200	150
324300	200
323700	85-112 (in 1 mm increments)



Columns with T-slot blocks (quick-action lock)

Description

Column with integrated T-slot block and quick-action lock.

Material

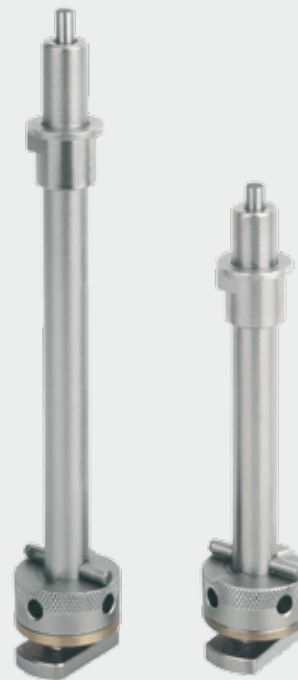
Quenched and tempered steel, nickel-plated.

Scope of delivery

Includes \varnothing 5 mm stop pin and adjustable stop.



Order number	Column \varnothing	Length	Effective height
288700	12	85	56
288600	12	125	96
288800	12	170	142
288900	12	205	176
289000	12	255	226
352600	12	305	276



Column extension elements

Description

Column extension element for support columns in conjunction with column connector (352000) or transverse column connector (352100).

Material

Quenched and tempered steel, nickel-plated.

Scope of delivery

Includes \varnothing 5 mm stop pin.

D 12

Order number	Column \varnothing	Length
352200	12	100
352300	12	150
352400	12	200



Column connector

Description

Connection for extending Ø 12 mm support columns with Ø 12 mm column extension element.

Material

Hardcoated aluminium.



D 12

Order number	Length	Width	Height
352000	27	30	37

Transverse column connector

Description

Connection element enabling support columns and Ø 12 mm column extension elements to be fitted together at an angle of 90°.

Material

Hardcoated aluminium.



D 12

Order number	Length	Width	Height
352100	40	30	35

Screw frame set

Description

Adjustable base rails with support.

Material

Hardcoated aluminium / stainless steel.

Scope of delivery

Base rail (322010)

Extension element (322200)

Support (322700)

Includes lock nut and fastening screw.

✎ For base rails anchored by T-slot,
see T-slot blocks, page 38.



M 6

T-slot

Order number	Adjustment range	Length	Width	Height
322000	60	105	25	80-90

Screw frame set with spring clamp

Description

Adjustable base rails with support and spring clamp.

Material

Hardcoated aluminium / stainless steel.

Scope of delivery

Base rail (322010)

Extension element (322200)

Support (322700)

Retaining plate for columns (353700)

Columns with thread (368300)

Spring clamp (302800)

Includes lock nut and fastening screw.

✎ For base rails anchored by T-slot,
see T-slot blocks, page 38.



M 6

T-slot

Order number	Adjustment range	Length	Width	Height of support
322005	60	105	25	80-90

V-supports

Description

120° V-support for connection to Ø 12 mm columns.

Material

Hardcoated aluminium.



D 12

Order number	Max. clamping diameter	Overhang	Length	Height
285900	30	21	44	20
286000	30	46	70	20

Support fingers

Description

Vertically adjustable stop for Ø 12 mm columns. Version 286200 contains an adjustable collar as an auxiliary stop.

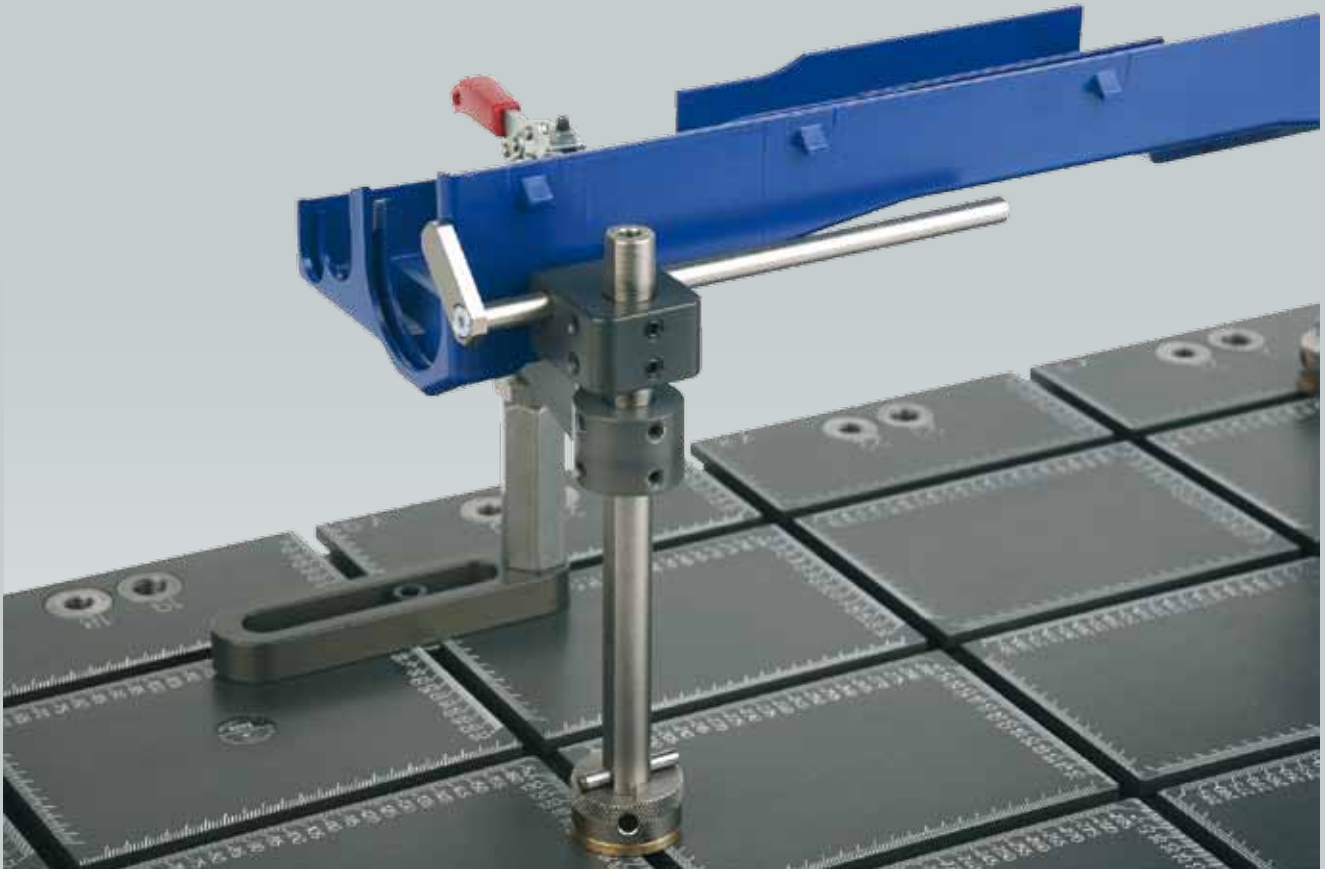
Material

Steel.



D 12

Order number	Length	Height
286100	41	16
286200	90	16



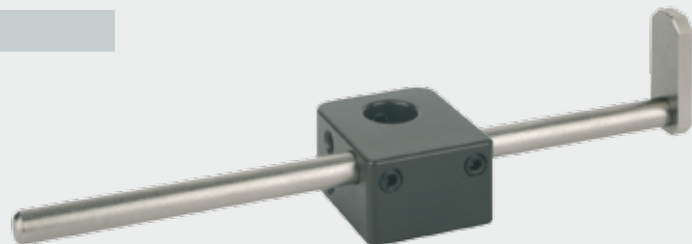
Adjustable stop

Description

Module with adjustable stop for connection to \varnothing 12 mm columns. Effective length of the stop unit 150 mm.

Material

Hardcoated aluminium / nickel-plated steel.



D 12

Order number	Length	Width	Height
287500	35	30	20

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Adjustable collars

Description

Support domes and centring point for installation in arms with \varnothing 4 mm support.

Material

Stainless steel.



D 12

Order number	Version	Length	Width	Height
303100	fixed 1	25	25	22
303400	adjustable 2	25	25	36-46

Arm

Description

Vertically adjustable supports with \varnothing 4 mm bore for stop pins; for mounting on \varnothing 12 mm support columns. Land width 10 mm for the mounting of various modules.

Material

Hardcoated aluminium.

Scope of delivery

Includes \varnothing 4 mm pin.

↪ Support domes, see page 48.



D 12

Order number	Overhang	Pin holes	Hole spacing	Height
286800	60	2	15	20
286700	100	4	15	30
286600	150	5	20	30

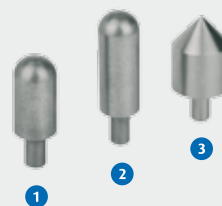
Support domes

Description

Support domes and centring point for installation in arms and rails with \varnothing 4 mm bore.

Material

Stainless steel.



Order number	Version	Diameter
319300	90° centre point 3	12
319400	R 4 x 15 mm support 1	8
319500	R 4 x 20 mm support 2	8

Bridge supports

Description

Support for connection between two \varnothing 12 mm support columns. Land width 10 mm for the mounting of various modules. Features two \varnothing 7 mm bores for the mounting of adjustable stops.

Material

Hardcoated aluminium.



D 12

Order number	Distance between centres
287000	90
287100	125

Adjustable bridge supports

Description

Freely adjustable bridge supports with a land width of 10 mm for mounting on Ø 12 mm support columns.

Material

Hardcoated aluminium.



Ø 12

Order number	Adjustment range
287800	70-110
287900	70-170

Mounts with slot

Description

Adjustable mount with 10 mm slot, for mounting on arms and bridge supports.

Material

Hardcoated aluminium / stainless steel.



Order number	Version	Length	Width	Height
303200	SWA 8	35	35	25
303300	M 10	35	35	25

Rails for support domes

Description

Adjustable rail for mounting support domes.
Width of elongated hole 6 mm.

Material

Hardcoated aluminium.

↳ Support domes, see page 48.



Order number	Length	Width	Height	Adjustment range
357700	72	20	12	25

Pair of adjustable V-blocks

Description

Pair of 120° adjustable prisms featuring 10 mm slot, for mounting on arms and bridge supports.

Material

Hardcoated aluminium.



Order number	Prism width	Prism height
287210	10	30
287200	25	10

M 10 mounts

Description

Quick-change mount with M 10 female thread for quick and flexible positioning of M 10 structural elements. Ideal in conjunction with articulated clamping arms.

Material

Stainless steel.



Order number	Connection	Width across flats	Length
336700	SWA 5 radial	WAF 17	50
336800	SWA 5 axial	WAF 17	50
336500	SWA 8 radial	WAF 17	50
336600	SWA 8 axial	WAF 17	50

M 10 self-aligning support

Description

Support with a flattened, moving ball to compensate for draught angles.

Material

Stainless steel.

Scope of delivery

Includes lock nut.



Order number	Support	Self-alignment range	Adjustment range	Length
323000	Ø 8	± 15°	15	46

M 10 formed supports

Description

Height-adjustable supports for the centring and supporting of specimens. Version 319600 with M 5 female thread for the mounting of non-standard elements.

Material

Stainless steel.

Scope of delivery

Includes lock nut.



M 10

Order number	Version	Adjustment range	Length
322600	with 90° cone point, Ø 10	15	55
322700	with 5 mm dome radius	20	63
319600	flat with female thread	10	28

M 10 ball supports

Description

Support with DIN-standard ball.

Material

Stainless steel.

Scope of delivery

Includes lock nut.



M 10

Order number	Diameter	Adjustment range	Length
355700	6	20	70
322800	8	20	71
355800	10	20	72
355900	12	20	74

M 10 quick-change mounts

Description

M 10 quick-change mount for SWA 5 / SWA 8 modules.

Material

Stainless steel.

Scope of delivery

Includes lock nut.



Order number	Version	Adjustment range	Length
329500	SWA 5	25	55
329400	SWA 8	25	57

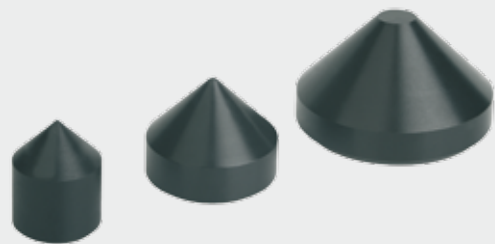
Centre points

Description

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

Material

Hardcoated aluminium.



Order number	Diameter	Height
303600	15	20
303700	25	20
303800	40	25

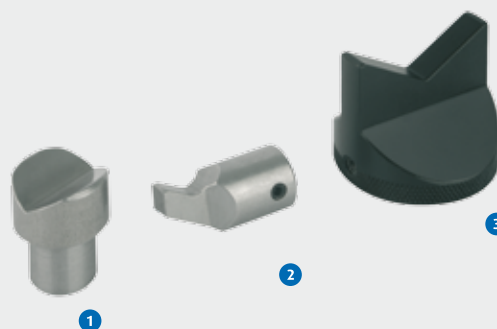
V-supports

Description

120° V-support with quick-change mount SWA 5 / SWA 8.

Material

Hardcoated aluminium.



SWA 5

SWA 8

Order number	Clamping range	V-block length	Connection	Height	Fig.
285800	Ø 2-15	15	SWA 5	15	1
285600	Ø 2-25	20	SWA 5	27	2
323500	Ø 2-60	8	SWA 8	35	3
323400	Ø 2-60	40	SWA 8	33	similar 3

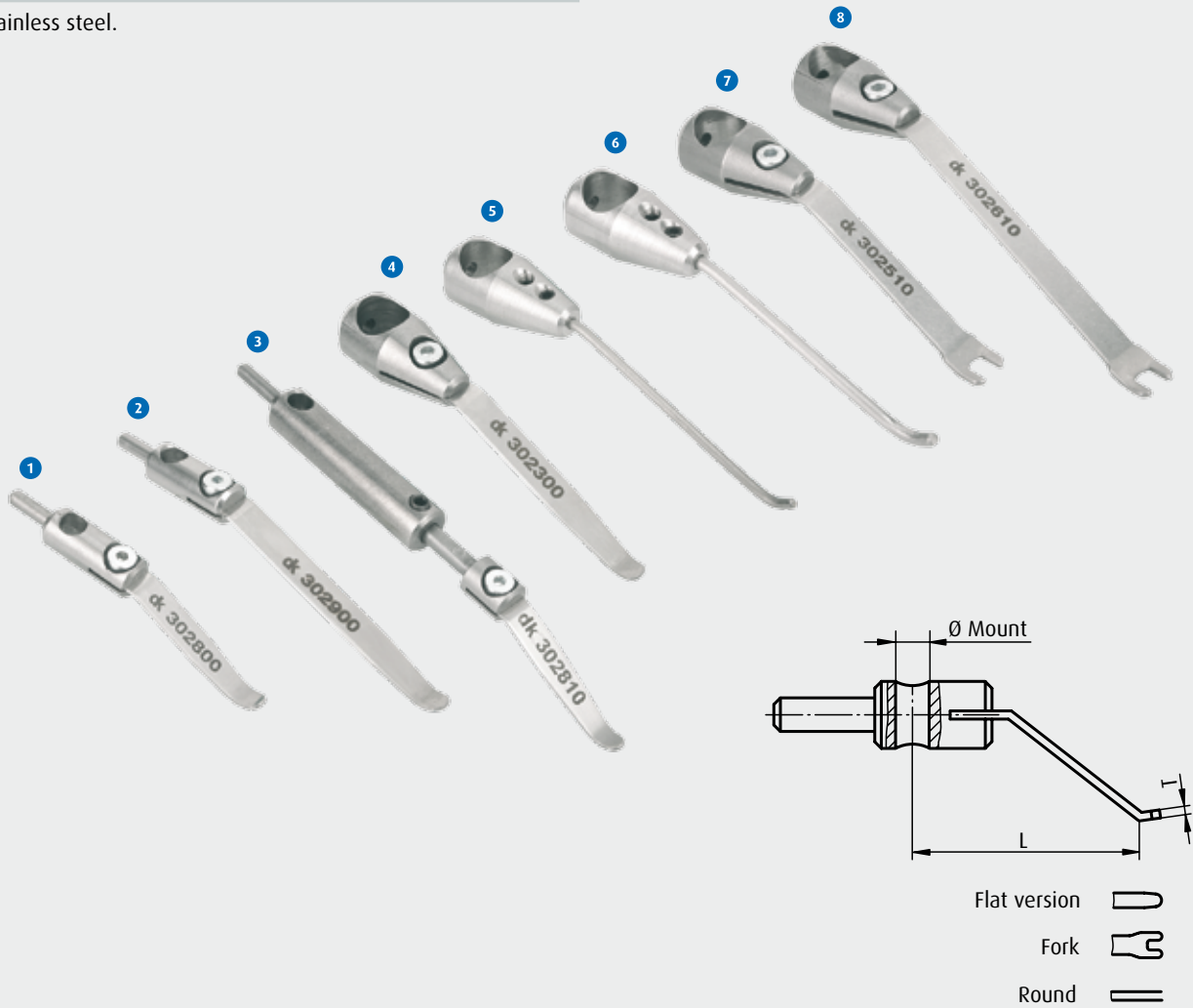
Spring clamps

Description

Enables the quick and easy clamping of specimens.

Material

Stainless steel.



Order number	T	L	Mount Ø	Version
302800	1.0	50	6	flat 1
302900	1.0	75	6	flat 2
302810	1.0	90-125	6	flat 3
302910	1.0	115-150	6	flat
302300	1.0	75	12	flat 4
302400	1.0	95	12	flat
302320	1.0	120-150	12	flat
302500	1.5	75	12	flat
302600	1.5	95	12	flat
302520	1.5	120-150	12	flat
302350	2.5	80	12	round 5
302340	3.0	80	12	round 6
302510	1.5	75	12	forked 7
302610	1.5	95	12	forked 8

Columns with thread

Description

Columns featuring a threaded mount for the mounting of spring clamps.

Material

Stainless steel.



Order number	Column Ø	Length	Thread
368100	6	30	M 6
368120	6	30	M 8
368200	6	50	M 6
368220	6	50	M 8
368300	6	75	M 6
368400	6	100	M 6
368500	6	125	M 6
368505	6	150	M 6
368600	12	50	M 6
368620	12	50	M 8
368700	12	100	M 6
368720	12	100	M 8
368800	12	150	M 6
368900	12	200	M 6
368610	12	50	M 10
368710	12	100	M 10
368810	12	150	M 10
368910	12	200	M 10

Retaining plates for columns

Description

Locating plates for columns, featuring an M 6 thread and spring clamp for mounting on extension pieces.

Material

Stainless steel.



Order number	Bore	Overhang
353700	Ø 10	50
353800	Ø 10	72

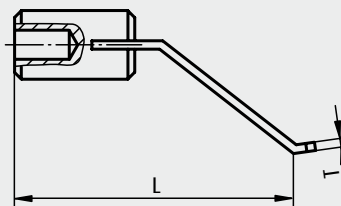
Spring clamps with quick-change mount

Description

Spring clamp with SWA 8 for mounting on articulated clamping arms.

Material

Stainless steel.



SWA 8

Order number	T	L	Connection	Version
327800	1.0	85	SWA 8	flat
327700	1.0	105	SWA 8	flat

15 mm precision vices

Description

Miniature vice with V-block jaw.
Versions available with quick-change adapter SWA 5 and SWA 39 or with M 4 mounting holes.

Material

Brass, hard-chrome-plated.

Scope of delivery

Includes changeable jaws in plastic and hardened steel.



SWA 5

SWA 39

M 4

Order number	Jaw width	Span	Total height	Version
270900	15	14.5	27	SWA 5
270910	15	14.5	61	SWA 39 ¹
270920	15	14.5	15	M 4

25 mm precision vices

Description

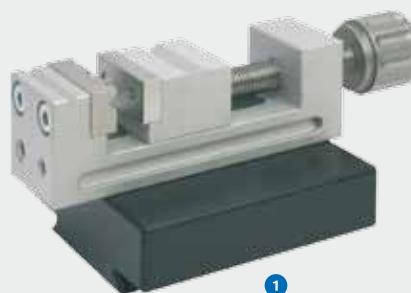
Miniature vice with V-block jaw.
Versions available with quick-change adapter SWA 5 and SWA 39 or without quick-change mount with M 4 mounting holes.

Material

Anodised aluminium.

Scope of delivery

Includes changeable jaws in plastic and hardened steel.



SWA 5

SWA 39

M 4

Order number	Jaw width	Span	Total height	Version
270950	25	24.5	38	SWA 5
270960	25	24.5	53	SWA 39 ¹
270970	25	24.5	25	M 4

35 mm precision vices

Description

Precision vice with V-block jaw.
 Versions available with SWA 39 quick-change adapter or with M 5 mounting holes. Jaws with holes for lock-pin action.

Material

Anodised aluminium.

Scope of delivery

Includes changeable jaws in plastic and hardened steel.
 Steel version incl. holes for lock-pin action. With 4 pins.



SWA 39

M 5

Order number	Jaw width	Span	Total height	Version
270850	35	34.5	55	SWA 39
270860	35	34.5	35	M 5



50 mm precision vice – pull-down

Description

Pull-down vice featuring quick adjustment and adjustable stop unit. SWA 39 quick-change adapter integrated in the base of the vice. With stepped jaws and bores (Ø 4 mm) for lock pins. Mounting of changeable jaws in steel, aluminium or plastic optional.

Material

Surface-hardened and high-polished steel.

Scope of delivery

Includes an adjustable stop unit (318110), four pins for lock-pin action and operating tool. Changeable jaws not included.



SWA 39

Order number	Jaw width	Span	Approx. weight (kg)
270700	50	80	1.46

+ Accessories for 50 mm precision vice – pull-down

Smooth jaws

Order number	Material	Jaw width	Scope of delivery	Description	
271200	soft steel	50	1 set	-	
271300	aluminium	50	1 set	-	
271400	plastic	50	1 set	-	

Formed jaws with small V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
271500	soft steel	50	1 set	recommended	
271600	aluminium	50	1 set	from 2 mm to	
271700	plastic	50	1 set	6 mm	

Formed jaws with large V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
271900	soft steel	50	1 set	recommended	
272000	aluminium	50	1 set	from 6 mm to	
272100	plastic	50	1 set	20 mm	

+ Accessories for 50 mm precision vice – pull-down

Cylindrical pins with stepped profile

Order number	Support surface	Length	Scope of delivery	Description	
282300	straight	24 x Ø 4	set of 4	for raised	
282310	straight	35 x Ø 4	set of 4	parts clamping	
326500	V-block 120°	25 x Ø 4	2 pairs of V-blocks		


Clamping pins

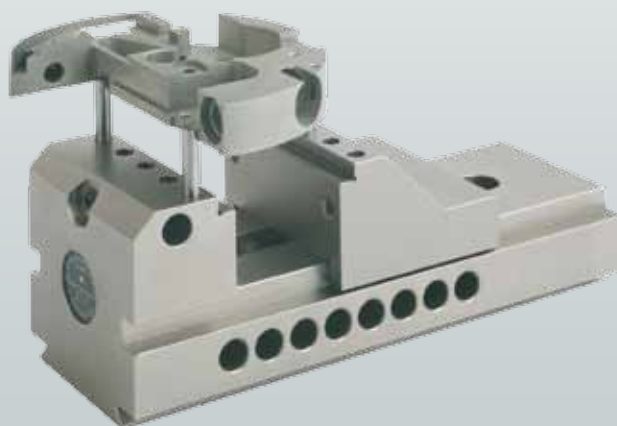
Order number	Version	L / W / H	Scope of delivery	Description	
338000	support pin 1	22 x 10 x 10	sets of 3	for raised parts clamping	
338100	insertion pin 3	16 x 8 x 10			
338200	eccentric pin 2	22 x 10 x 10			

Universal stop

Order number	Material	Description	
277510	steel	with 2 exchangeable stop points	

Stop unit for vices

Order number	Material	Length	Overhang	Description	
318100	steel	50	20	-	
318200	steel	50	40		
318110	steel	150	20		
318210	steel	150	40		



50 mm precision vices – spindle-adjusted

Description

Vice with exchangeable guide columns for extending clamping span. With stepped jaws and bores (Ø 4 mm) for lock-pin action. Versions with and without SWA 39 quick-change adapter, as well as with and without accessories. The version without quick-change adapter contains 4 support surfaces, at right angles to one another.

Material

Surface-hardened and high-polished steel.

Scope of delivery

Versions with accessories incl. adjustable stop (318110) and extra column set for extending the clamping span to 75 mm. As well as 4 pins and operating tool.

↪ A quick-change adapter (397020) can be mounted on versions without SWA 39 subsequently, see page 23.



1



2

SWA 39

Order number	Jaw width	Version	Accessories	Span	Approx. weight (kg)
282100	50	SWA 39 1	incl.	75*	1.050
282105	50	SWA 39 1	without	35*	0.87
282110	50	4 support surfaces 2	incl.	75*	1.01
282115	50	4 support surfaces 2	without	35*	0.82

* with extra column set that can be extended to 150 mm.

+ Accessories for 50 mm precision vices – spindle-adjusted

Column set for clamping range extension

Order number	Material	Jaw width	Scope of delivery	Description	
282200	surface-hardened steel	-	2 sets of two guide columns and one threaded spindle	clamping range extension to 100 mm or 150 mm	

Smooth jaws

Order number	Material	Jaw width	Scope of delivery	Description	
282400	soft steel	50	1 set of changeable jaws with fastening screws	-	
282500	aluminium	50			
282600	plastic	50			

+ Accessories for 50 mm precision vices – spindle-adjusted

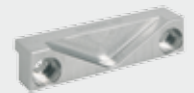
Formed jaws with V-blocks

Order number	Material	Jaw width	Scope of delivery	Clamping diameter
282700	soft steel	50	1 set of formed jaws with fastening screws	recommended
282800	aluminium	50		2 mm to
282900	plastic	50		10 mm



Formed jaws with V-blocks for end-face clamping of cylindrical parts

Order number	Material	Jaw width	Scope of delivery	Clamping diameter
306600	aluminium	50	1 set with fastening screws	15-50 mm
306700	aluminium	50		25-60 mm
306710	soft steel	50		25-60 mm



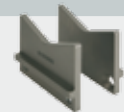
Smooth jaws for narrow parts

Order number	Material	Jaw width	Scope of delivery	Description
282410	stainless steel	50	with fastening screws	for clamping parts narrower than 3 mm



V-block jaws

Order number	Material	Jaw width	Scope of delivery	Description
309800	hardened steel	50	1 set with fastening screws	for clamping in slots and recesses



V-block jaws – two-point contact

Order number	Material	Jaw width	Scope of delivery	Clamping diameter
306900	hardcoated aluminium	50	1 set of single V-block jaws	from 5 mm to 20 mm



V-block jaws – three-point contact


Order number	Material	Jaw width	Scope of delivery	Clamping diameter
306800	hardcoated aluminium	50	1 double V-block jaw and one straight clamping jaw	recommended diameters: to 30 mm




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+ Accessories for 50 mm precision vices – spindle-adjusted


Universal stop

Order number	Material	Description	
277510	steel	with two exchangeable stop points	


Stop unit for vices

Order number	Material	Length	Overhang	Description	
318100	steel	50	20	-	
318200	steel	50	40	-	
318110	steel	150	20	-	
318210	steel	150	40	-	

Cylindrical pins with stepped profile

Order number	Support surface	Length	Scope of delivery	Description	
282300	straight	24 x Ø 4	set of 4	for raised parts clamping	
282310	straight	35 x Ø 4	set of 4		
326500	V-block 120°	25 x Ø 4	2 pairs of V-blocks		

Clamping pins

Order number	Version	L / W / H	Scope of delivery	Description	
338000	support pin 1	22 x 10 x 10	sets of 3	for raised parts clamping	
338100	insertion pin 3	16 x 8 x 10			
338200	eccentric pin 2	22 x 10 x 10			



80 mm precision vices

Description

Vice with exchangeable guide columns for extending clamping span. SWA 39 quick-change adapter integrated in the base of the vice. For flexible anchoring of the vice, version 308300 includes two additional SWA 39 quick-change adapters offset through 90°. With stepped jaws and bores (Ø 5 mm) for lock pins.



Material

Hardcoated aluminium with surface-hardened steel jaws.

Scope of delivery

Includes an adjustable stop unit (318110) and an extra set of columns for extending the clamping span up to 130 mm. Four lock pins and operating tool.


SWA 39

Order number	Jaw width	Span	Anchorage	Approx. weight (kg)
308200	80	130*	via base	1.650
308300	80	130*	via base or two 90° offset sides	1.705


* with extra column set that can be extended to 200 mm.

+ Accessories for 80 mm precision vices

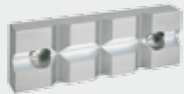
Column set for clamping range extension

Order number	Material	Jaw width	Scope of delivery	Description	
307700	surface-hardened steel	-	1 set of guide columns and threaded spindle	for clamping range extension to 200 mm	


Smooth jaws

Order number	Material	Jaw width	Scope of delivery	Description	
307000	soft steel	80	1 set of changeable jaws with fastening screws	-	
307100	aluminium	80			
307200	plastic	80			

Formed jaws with small V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
307300	soft steel	80	1 set with fastening screws	recommended for vertical and horizontal: 5 mm to 15 mm	
307400	aluminium	80			
307500	plastic	80			

Formed jaws with large V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
307410	aluminium	80	1 set with fastening screws	recommended for vertical and horizontal: 6 mm to 20 mm	

+ Accessories for 80 mm precision vices


Formed jaws with V-blocks for end-face clamping of cylindrical parts

Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
307600	aluminium	80	1 set with fastening screws	recommended: 20 mm to 85 mm	


V-blade jaws

Order number	Material	Jaw width	Scope of delivery	Description	
309810	hardened steel	-	1 set with fastening screws	for clamping in slots and recesses	


V-block jaws – three-point contact

Order number	Material	Clamping diameter	Scope of delivery	Description	
306810	hardcoated aluminium	up to 50 mm	with fastening screws	1 single and 1 double V-block jaw	


V-block jaws – two-point contact

Order number	Material	Clamping diameter	Scope of delivery	Description	
306910	hardcoated aluminium	up to 70 mm	with fastening screws	1 set of single V-block jaws	


Spring-loaded clamping jaws

Order number	Material	Jaw width	Scope of delivery	Description	
307030	aluminium / steel	80	1 set with fastening screws	with soft (307030) or hard (307040) set of springs. Adjustment range max. 6 mm.	
307040	aluminium / steel	80			

Stop unit for horizontal support


Order number	Material	Jaw width	Scope of delivery	Description	
308210	hardcoated aluminium	-	2 stop pins with a length of 120 mm. Longer stop pins on request	positioning aids when using spring-loaded clamping jaws. Positioning in X-Y-Z direction	

Cylindrical pins with stepped profile


Order number	Support surface	Length	Scope of delivery	Description	
307800	straight	26 x Ø 5	set of 4	for raised parts clamping	
307810	straight	36 x Ø 5	set of 4		
326600	V-block 120°	30 x Ø 5	2 pairs of V-blocks		
326610	V-block 120°	35 x Ø 5	2 pairs of V-blocks		

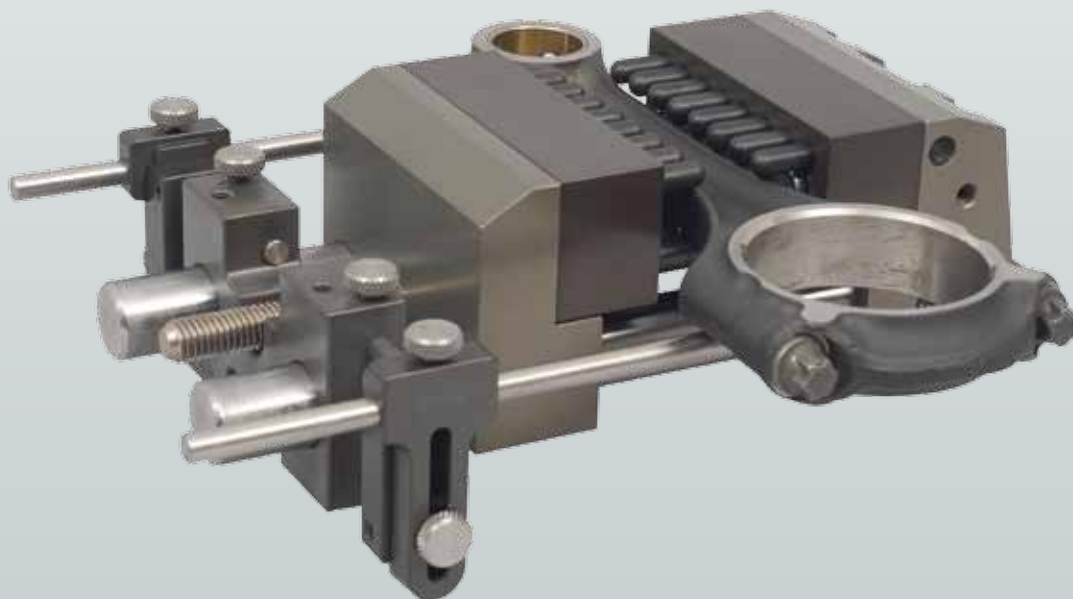
+ Accessories for 80 mm precision vices

Universal stop

Order number	Material	Description	
277510	steel	with two exchangeable stop points	

Stop unit for vices

Order number	Material	Length	Overhang	Description	
318100	steel	50	20	-	
318200	steel	50	40	-	
318110	steel	150	20	-	
318210	steel	150	40	-	



100 mm precision vice

Description

Vice with exchangeable guide columns for extending clamping span. SWA 39 quick-change adapter integrated in the base of the vice. With stepped jaws and bores (\varnothing 5 mm) for lock pins.

Material

Hardcoated aluminium with surface-hardened steel jaws.

Scope of delivery

Includes an adjustable stop unit (318110) and an extra set of columns for extending the clamping span up to 170 mm. Four pins and operating tool.




SWA 39

Order number	Jaw width	Span	Approx. weight (kg)
308500	100	170*	2.450


* with extra column set that can be extended to 220 mm.

+ Accessories for 100 mm precision vice

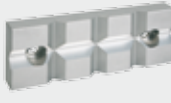
Column set for clamping range extension

Order number	Material	Jaw width	Scope of delivery	Description	
309600	surface-hardened steel	-	1 set of guide columns and threaded spindle	for clamping range extension to 220 mm	

Smooth jaws


Order number	Material	Jaw width	Scope of delivery	Description	
308700	soft steel	100	1 set with fastening screws	-	
308800	aluminium	100			
308900	plastic	100			

Formed jaws with small V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
309000	soft steel	100	1 set with fastening screws	recommended for vertical and horizontal: 5 mm to 15 mm	
309100	aluminium	100			
309200	plastic	100			

+ Accessories for 100 mm precision vice


Formed jaws with large V-blocks

Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
309110	aluminium	100	1 set with fastening screws	recommended for vertical and horizontal: 7 mm to 22 mm	


Formed jaws with V-blocks for end-face clamping of cylindrical parts

Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
309300	aluminium	100	1 set with fastening screws	recommended diameters: 20 mm to 120 mm	


Cylindrical pins with stepped profile

Order number	Support surface	Length	Scope of delivery	Description	
307800	straight	26 x Ø 5	set of 4	for raised parts clamping	
307810	straight	36 x Ø 5	set of 4		
326600	V-block 120°	30 x Ø 5	2 pairs of V-blocks		
326610	V-block 120°	35 x Ø 5	2 pairs of V-blocks		

Universal stop

Order number	Material	Description	
277510	steel	with two exchangeable stop points	

Stop unit for vices

Order number	Material	Length	Overhang	Description	
318100	steel	50	20	-	
318200	steel	50	40		
318110	steel	150	20		
318210	steel	150	40		

125 mm precision vice

Description

Vice with exchangeable guide columns for extending clamping span. SWA 39 quick-change adapter integrated in the base of the vice. With stepped jaws and bores (\varnothing 6 mm) for lock pins.

Material

Hardcoated aluminium with surface-hardened steel jaws.

Scope of delivery

Includes an adjustable stop unit (318110) and an extra set of columns for extending the clamping span up to 170 mm. Four pins and operating tool.




SWA 39

Order number	Jaw width	Span	Approx. weight (kg)
308600	125	170 *	3.300


* with extra column set that can be extended to 220 mm.

+ Accessories for 125 mm precision vice

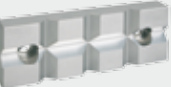
Column set for clamping range extension

Order number	Material	Jaw width	Scope of delivery	Description	
309600	surface-hardened steel	-	1 set of guide columns and threaded spindle	for clamping range extension to 220 mm	

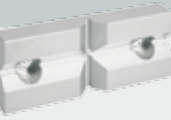
Smooth jaws

Order number	Material	Jaw width	Scope of delivery	Description	
308810	aluminium	125	1 set with fastening screws	-	

Formed jaws with small V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
309400	soft steel	125	1 set with fastening screws	recommended for vertical and horizontal: 5 mm to 15 mm	
309410	aluminium	125			

Formed jaws with large V-blocks


Order number	Material	Jaw width	Scope of delivery	Clamping diameter	
309430	aluminium	125	1 set with fastening screws	recommended for vertical and horizontal: 7 mm to 22 mm	

+ Accessories for 125 mm precision vice


Formed jaws with V-blocks for end-face clamping of cylindrical parts

Order number	Material	Jaw width	Scope of delivery	Description	
309500	aluminium	125	1 set with fastening screws	Clamping diameter: 25 mm to 180 mm	


Cylindrical pins with stepped profile

Order number	Support surface	Length	Scope of delivery	Description	
307850	straight	32 x Ø 6	set of 4	for raised	
326650	V-block 120°	30 x Ø 6	2 pairs of V-blocks	parts clamping	

Universal stop

Order number	Material	Description	
277510	steel	with two exchangeable stop points	

Stop unit for vices

Order number	Material	Length	Overhang	Description	
318100	steel	50	20	-	
318200	steel	50	40		
318110	steel	150	20		
318210	steel	150	40		

Precision mini chucks

Description

Mini chuck featuring outwardly stepped clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium / steel.



SWA 39

Order number	Internal clamping Ø	External clamping Ø	Height
283700	0-3	3-5	59
283900	0-6.5	5-9	79
283500	0-8	8-13	90



Distributed by Fixtureworks. For additional information, call 888.794.8687.

50 mm precision three-jaw chucks

Description

Three-jaw chuck featuring outwardly stepped reversible clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. With three optional additional pins (Ø 2 mm) on the top of each jaw for raising the height at which small parts can be clamped. With or without an SWA 39.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



M 12

SWA 39

Order number	Size	Version	Internal clamping Ø	External clamping Ø	Bore	Height
283005	50	SWA 39 ¹	1-25	15-50	12	57
267410	50	M 12 x 1	1-25	15-50	12	37
329705	50	SWA 39 and pins	1-25 (jaws) 5-30 (pins)	15-50 (jaws) 8-65 (pins)	12	57
329720	50	M 12 x 1 and pins	1-25 (jaws) 5-30 (pins)	15-50 (jaws) 8-65 (pins)	12	37

65 mm precision three-jaw chucks

Description

Three-jaw chuck featuring outwardly stepped reversible clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. With three optional additional pins (Ø 2 mm) on the top of each jaw for raising the height at which small parts can be clamped. With or without an SWA 39.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



M ...

SWA 39

Order number	Size	Version	Internal clamping Ø	External clamping Ø	Bore	Height
283000	65	SWA 39	1-35	17.5-65	13.5	54
267400	65	M 14 x 1 or 3 x M 4	1-35	17.5-65	13.5	34
329700	65	SWA 39 ¹ and pins	1-35 (on jaws) 6-40 (on pins)	17.5-65 (on jaws) 10-80 (on pins)	13.5	54
329710	65	M 14 x 1 or 3 x M 4 and pins	1-35 (on jaws) 6-40 (on pins)	17.5-65 (on jaws) 10-80 (on pins)	13.5	34

70 mm precision three-jaw chucks

Description

Three-jaw chuck featuring outwardly stepped reversible clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. With or without an SWA 39 quick-change adapter plate.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



SWA 39

Order number	Size	Version	Internal clamping Ø	External clamping Ø	Bore	Height
267305	70	SWA 39	1-40	25-70	15.5	66
267300	70	without SWA 39	1-40	25-70	15.5	46

80 mm precision three-jaw chucks

Description

Three-jaw chuck featuring outwardly stepped reversible clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. With or without an SWA 39 quick-change adapter plate.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



SWA 39

Order number	Size	Version	Internal clamping Ø	External clamping Ø	Bore	Height
283100	80	SWA 39	1-45	25-80	16.5	62
283105	80	without SWA 39	1-45	25-80	16.5	42

110 mm to 160 mm precision three-jaw chucks

Description

Three-jaw chuck featuring outwardly stepped clamping jaws. For clamping the inside and outside of rotationally symmetrical parts. Housing made of aluminium for weight reduction. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



SWA 39

Order number	Size	Internal clamping Ø	External clamping Ø	Bore	Height
283200	110	1,5-60	32-120	26	95
330300	125	2,5-75	36-140	34	95
330310	160	2,5-90	38-160	34	78

+ Accessories for 110 to 160 mm precision three-jaw chucks

Jaw, inwardly-stepped

Description

Hardened.

Scope of delivery

Set with 3 jaws.



Order number	Size
283201	110
330301	125
330311	160

Block jaw

Description

Unhardened.

Scope of delivery

Set with 3 jaws.



Order number	Size
283202	110
330302	125
330312	160

Rotary table with precision three-jaw chuck

Description

Rotating 70 mm three-jaw chuck with high concentricity. Outwardly-stepped reversible jaws. Additional clamping options using pins.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes operating tool.



Order number	Size	Internal clamping \emptyset	External clamping \emptyset	Radial runout	Height
267350	70	1-40	25-70	min. +/- 0.04	71

Nadelfix:

- The needles adapt to any geometry, no matter how complex.
- Workpieces can therefore be positioned and fixtured in the formed workpiece mount in a reproducible manner.



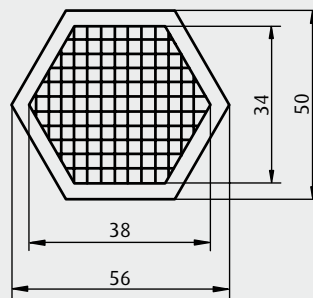
Nadelfix 2.5

Description

Ideal for clamping formed parts. Includes an SWA 39 quick-change mount.

Scope of delivery

Includes clamping fixture, comprising rail (396120), column (269043) and spring clamp (269038). Fasteners included.



SWA 39

Order number	Pin Ø	Support surface	Total height	Spring deflection
396030	2.5	38 x 34	55	max. 10

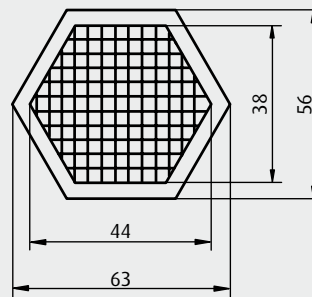
Nadelfix 4

Description

Ideal for clamping formed parts. Includes an SWA 39 quick-change mount.

Scope of delivery

Includes clamping fixture, comprising rail (396100), column (368300) and spring clamp (302800). Fasteners included.



SWA 39

Order number	Pin Ø	Support surface	Total height	Spring deflection
396008	4	44 x 38	70	max. 12

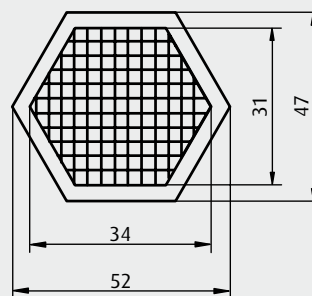
Nadelfix 5 Mini

Description

Ideal for clamping formed parts. Includes SWA 8 or SWA 39 quick-change mount.

Scope of delivery

Includes clamping fixture, comprising rail (396100), column (368300) and spring clamp (302800). Fasteners included.



SWA 8 SWA 39

Order number	Pin Ø	Support surface	Total height	Interface	Spring deflection
396005	5	34 x 31	80	SWA 8	max. 12
396000	5	34 x 31	90	SWA 39	max. 12

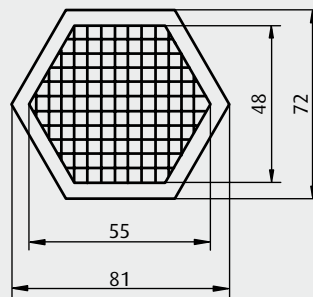
Nadelfix 5 Midi

Description

Ideal for clamping formed parts. Includes an SWA 39 quick-change mount.

Scope of delivery

Includes clamping fixture, comprising rail (396100), column (368300) and spring clamp (302800). Fasteners included.



SWA 39

Order number	Pin Ø	Support surface	Total height	Spring deflection
396010	5	55 x 48	80	max. 12

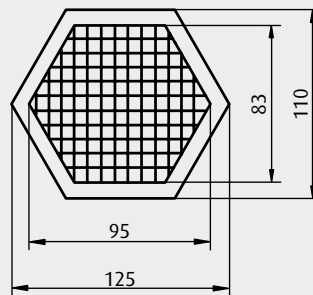
Nadelfix 5 Maxi

Description

Ideal for clamping formed parts. Includes an SWA 39 quick-change mount.

Scope of delivery

Includes clamping fixture, comprising rail (396100), column (368300) and spring clamp (302800). Fasteners included.



SWA 39

Order number	Pin Ø	Support surface	Total height	Spring deflection
396020	5	95 x 83	90	max. 12

+ Accessories for Nadelfix

Attachment rails

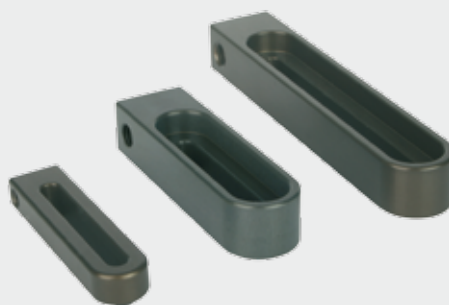
Description

For flexible positioning of the spring clamp on the "Nadelfix" module.

Material

Hardcoated aluminium.

Order number	Total length	Adjustment range	Thread
396120	50	34	M 4
396110	60	33	M 6
396100	90	60	M 6



Columns for spring clamps

Description

Column for the mounting of spring clamps.

Material

Stainless steel.

Order number	Column Ø	Length	Thread
269042	4	30	M 4
269043	4	50	M 4
368100	6	30	M 6
368200	6	50	M 6
368300	6	75	M 6
368400	6	100	M 6
368500	6	125	M 6



↳ Column diameter 12 mm, see page 56.

Spring clamp

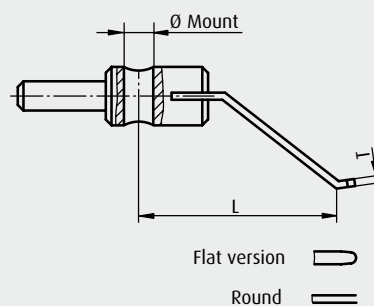
Description

Enables the quick and easy clamping of specimens.

Material

Stainless steel.

Order number	Mount Ø	T	L	Version
269037	4	0.4	30	flat
343700	4	0.8	30	flat ①
269038	4	1.1	40	round
269039	4	1.1	60	round
302800	6	1	50	flat
302900	6	1	75	flat



↳ Spring clamp for 12 mm column diameter, see page 55.

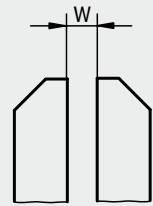
Small-parts clamps, smooth

Description

Small-parts clamp with smooth grip face for gripping small parts. Versions available with quick-change adapter SWA 39 / SWA 5 or with M 6 female thread.

Material

Hardcoated aluminium / steel.



M 6

SWA 5

SWA 39

Order number	Version	Clamping width	Span (W)	Height
275410	M 6	4.8	0-5	80
390200	M 6	12	0.8-6	80
391600	M 6	15	0.8-8	80
276210	M 6	20	0.8-12	100
390900	SWA 5	12	0.8-6	68
275400	SWA 39	4.8	0-5	100
275600	SWA 39	12	0.8-6	100
276000	SWA 39	15	0.8-8	100
276200	SWA 39	20	0.8-12	120

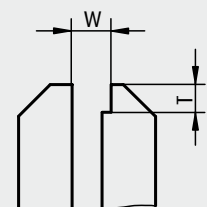
Small-parts clamps, stepped on one side

Description

Small-parts clamp (with stepped grip face) for gripping small parts. Versions available with quick-change adapter SWA 39 / SWA 5 or with M 6 female thread.

Material

Hardcoated aluminium / steel.



M 6

SWA 5

SWA 39

Order number	Version	Clamping width	Span (W)	Clamping depth (T)	Height
275510	M 6	4.8	0-5	1.5	80
390300	M 6	12	0.8-5	2	80
390100	M 6	12	1-5	4	80
391500	M 6	15	0.8-8	2	80
276310	M 6	24	5-10	2	100
391000	SWA 5	12	1-6	2	68
275500	SWA 39	4.8	0-5	1.5	100
275700	SWA 39	12	0.8-5	2	100
276100	SWA 39	15	0.8-8	2	100
276300	SWA 39	24	5-10	2	120

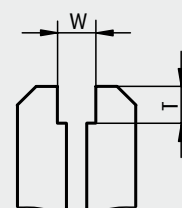
Small-parts clamp, stepped on both sides

Description

Small-parts clamp stepped on both sides for gripping small parts.

Material

Steel.



SWA 5

M 6

Order number	Version	Clamping width	Span (W)	Clamping depth (T)	Height
390000	M 6	12	1.5-4	2	80
391700	M 6	18	2-6	4	80
391800	M 6	25	6-12	2	100
391100	SWA 5	12	2-6	4	68

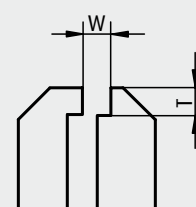
Small-parts clamp with elongated opening

Description

Small-parts clamp with a stepped clamping depth of 4 mm for gripping small parts.

Material

Steel.



M 6

Order number	Version	Clamping width	Span (W)	Clamping depth (T)	Height
390400	M 6	12	0-5	4	68

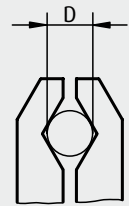
Small-parts clamps with horizontal V-block

Description

Small-parts clamp with horizontally arranged V-blocks. For clamping rotationally symmetrical parts. Versions available with quick-change adapter SWA 39/SWA 5 or with M 6 female thread.

Material

Hardcoated aluminium / steel.



M 6	SWA 5	SWA 39
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Order number	Version	Clamping width	Clamping Ø (D)	Height
275810	M 6	3.5	3.2-7	80
275910	M 6	5	5-10	80
391200	SWA 5	3.5	3-6	80
391300	SWA 5	5	5-8.5	80
275800	SWA 39	3.5	3.2-7	100
275900	SWA 39	5	5-10	100

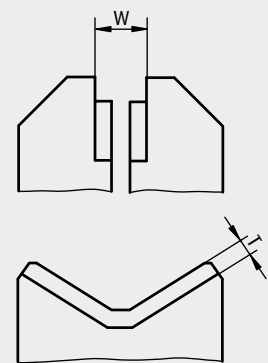
Small-parts clamps with end-face V-block

Description

Small-parts clamp with V-blocks and stepped grip face for gripping small, rotationally symmetrical parts. Mounted on an SWA 39 quick-change adapter or with M 6 thread.

Material

Hardcoated aluminium / steel.



SWA 39	M 6
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Order number	Version	Clamping Ø	Span (W)	Clamping depth (T)	Height
390010	M 6	3-25	3-6	2	80
277315	M 6	5-35	4-10	2	80
277325	M 6	6-55	4-12	3	100
277335	M 6	10-100	4-12	4	115
277305	SWA 39	3-25	3-6	2	100
277320	SWA 39	5-35	4-10	2	100
277300	SWA 39	6-55	4-12	3	120
277310	SWA 39	10-100	4-12	4	135

Small-parts clamps with lock-pin action

Description

Small-parts clamp with lock-pin action. The pins can be repositioned through 120° on multiple hole patterns. For clamping small parts. Mounted on an SWA 39 quick-change adapter or with M 6 threaded mount.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes clamping pins.



SWA 39

M 6

Order number	Version	Clamping Ø	Rows of holes	Height
276510	M 6	10-26	4	100
276610	M 6	10-36	5	120
276710	M 6	20-100	8	100
276500	SWA 39 ①	10-26	4	120
276600	SWA 39 ②	10-36	5	140
276700	SWA 39 ③	20-100	8	120

Small-parts clamps with external lock

Description

Small-parts clamp with external lock. The clamping depth increases 2 mm with each increment. For clamping rotationally symmetrical parts. Mounted on an SWA 39 quick-change adapter or with M 6 threaded mount.

Material

Hardcoated aluminium / steel.



SWA 39

M 6

Order number	Version	Clamping Ø	Height
277010	M 6	5-22	100
277110	M 6	15-33	100
277000	SWA 39	5-22	120
277100	SWA 39	15-33	120

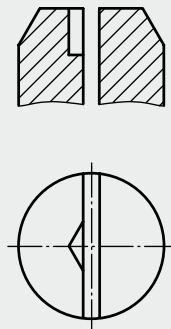
Small-parts clamps with end-face V-block on one side

Description

Small-parts clamp with M 6 threaded mount for the vertical clamping of small, rotationally-symmetrical parts.

Material

Steel.



M 6

Order number	Version	Clamping Ø	Clamping depth	Height
390500	M 6	1.5-4.0	5	80
390600	M 6	2.5-5.0	5	80

Small-parts clamps with internal lock

Description

Small-parts clamp with internal lock for mounting in bore holes. The clamping diameter increases by 3 mm with each increment (276800 + 276805 first increment = 4 mm). Mounted on an SWA 39 quick-change adapter or with M 6 threaded mount.

Material

Hardcoated aluminium / steel.



SWA 39

M 6

Order number	Version	Clamping Ø	Increment height	Height
276805	M 6	5-30	2	100
276815	M 6	12-30	3	100
276905	M 6	18-40	3	100
276800	SWA 39	5-30	2	120
276810	SWA 39	12-30	3	120
276900	SWA 39	18-40	3	120



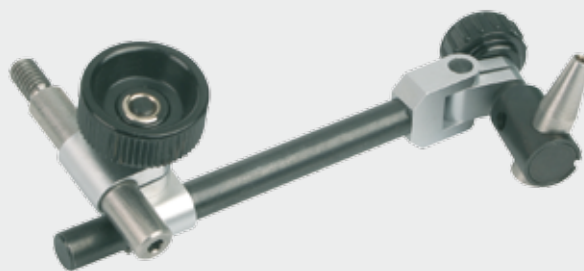
Stop unit for small-parts clamp

Description

Stop for reproducible clamping of small parts, compatible with all types of small-parts clamp.

Scope of delivery

Includes M 6 connection thread and a stepped centre and Ø 2 mm ball centre (M 2.5 centre mount).



Order number	Overhang
277500	100

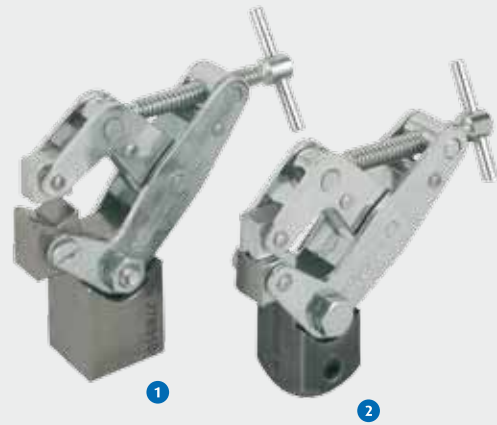
Toggle clamps

Description

Toggle clamps with a clamping range of 0–25 mm or 0–50 mm. The clamping surfaces on the jaws are available in various types: either flat, or with a prism for fixing round workpieces in place, or alternatively with a convex surface for clamping workpieces that are highly sensitive to bending. The clamping hands are mounted on quick change adapter SWA 5, 8 or 39.

Material

Stainless steel / steel / aluminium.



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

Order number	Clamping range	Connection	Clamping surfaces on jaws	Version
278800	0–25	SWA 5	3 flat, 1 with longitudinal prism	both jaws can be turned
278600	0–25	SWA 5	2 flat, 1 with longitudinal prism, 1 with convex surface	both jaws can be turned 2
278900	0–25	SWA 5	with transverse prism at bottom, at the top 3 flat and 1 with longitudinal prism	upper jaw can be turned
278400	0–25	SWA 8	3 flat, 1 with longitudinal prism	both jaws can be turned
334900	0–25	SWA 8	2 flat, 1 with longitudinal prism 1 with convex surface	both jaws can be turned
278910	0–25	SWA 8	with transverse prism at bottom, at the top 3 flat and 1 with longitudinal prism	upper jaw can be turned 1
278500	0–25	SWA 39	3 flat, 1 with longitudinal prism	both jaws can be turned
279610	0–50	SWA 8	with transverse prism in lower jaw	both jaws can be turned
279310	0–50	SWA 39	with transverse prism in lower jaw	both jaws can be turned

Toggle clamps with locating pin

Description

Toggle clamp with locating pin to secure the jaws against twisting. In the 0–75 mm version, the locating pin can be removed. Mounted on quick-change adapter SWA 5, 8 or 39.

Material

Stainless steel / steel / aluminium.



SWA 5

SWA 8

SWA 39

Order number	Clamping range	Connection	Version
279200	0–25	SWA 5	with transverse prism in lower jaw
279210	0–25	SWA 8	with transverse prism in lower jaw
279600	0–50	SWA 8	with transverse prism in lower jaw ¹
279300	0–50	SWA 39	with transverse prism in lower jaw
279700	0–75	SWA 8	jaws having longitudinal and transverse V-block
279400	0–75	SWA 39	jaws having longitudinal and transverse V-block

Toggle clamps with articulated clamping arm

Description

Toggle clamp with articulated clamping arm for quick and flexible fixturing of parts. Mounted on an SWA 39 quick-change adapter.



SWA 39

Order number	Clamping range	Radius of movement	Articulated clamping arm model
284000	0–25	200	SU
284100	0–50	340	MU

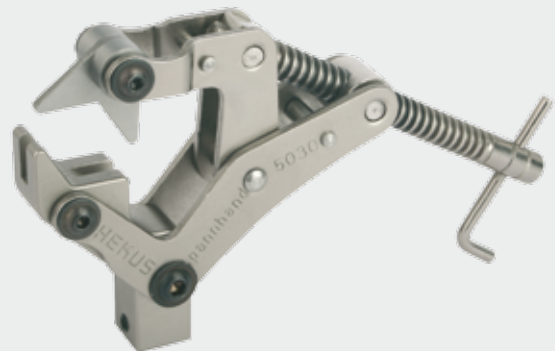
Pipe toggle clamps

Description

Toggle clamp for the quick clamping of pipes. Includes an SWA 8 quick-change adapter.

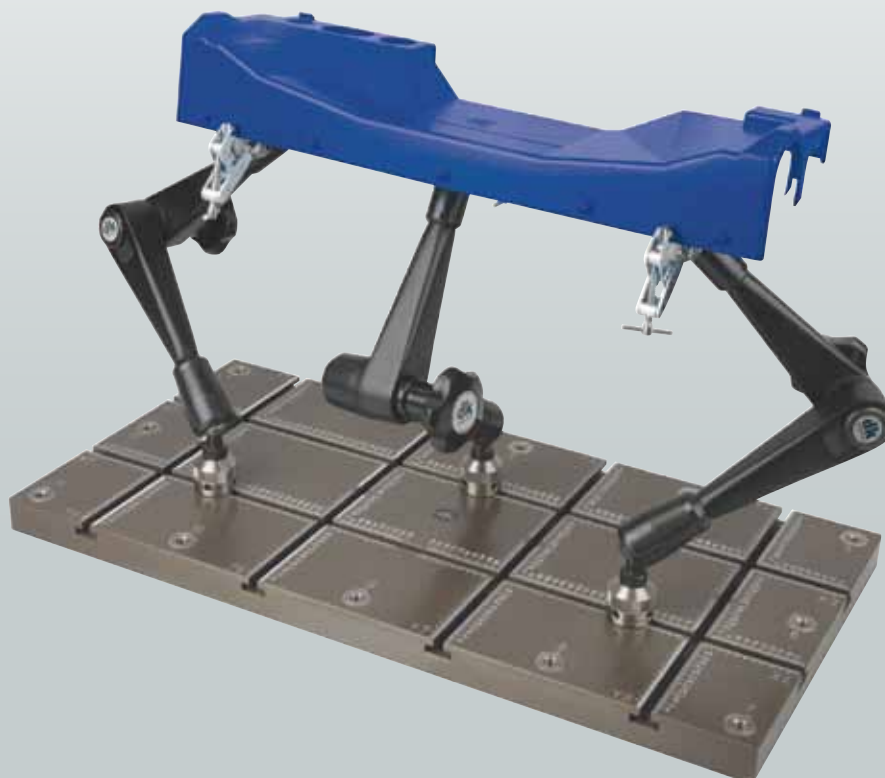
Material

Stainless steel / steel.



SWA 8

Order number	Clamping range	Connection	Approx. weight (kg)
334600	6-35	SWA 8	0.700
334610	6-60	SWA 8	0.700
334620	8-90	SWA 8	1.100



Magnetic clamping mounts, permanent

Description

Permanent magnet enabling the quick and easy clamping of steel parts. Mounted on an SWA 39 quick-change adapter.



SWA 39

Order number	Height	Magnet Ø	Magnetic force (N)	Fig.	Approx. weight (kg)
278000	80	32	220	1	0.290
278100	80	32	720	2	0.532

Magnetic clamping mounts, switchable

Description

Switchable permanent magnet enabling the quick and easy clamping of steel parts. Mounted on an SWA 39 quick-change adapter.

Scope of delivery

Includes operating tool.



SWA 39

Order number	Height	Magnet Ø	Magnetic force (N)	Fig.	Approx. weight (kg)
278200	70	50	85	1	0.860
278210	85	80	500	-	2.500

Magnetic V-block, permanent

Description

Magnetic V-block for the clamping of rotationally symmetrical parts. Mounted on an SWA 39 quick-change adapter.

Material

Hardcoated aluminium.



SWA 39

Order number	Clamping range	V-block length	Magnetic force (N)	Height
313700	Ø 15-35	16	15	100

Magnetic V-blocks, switchable

Description

Switchable 110° magnetic V-block for the clamping of rotationally symmetrical parts. With mounting hole for adjustable length stop. Mounted on an SWA 39 quick-change adapter.

Material

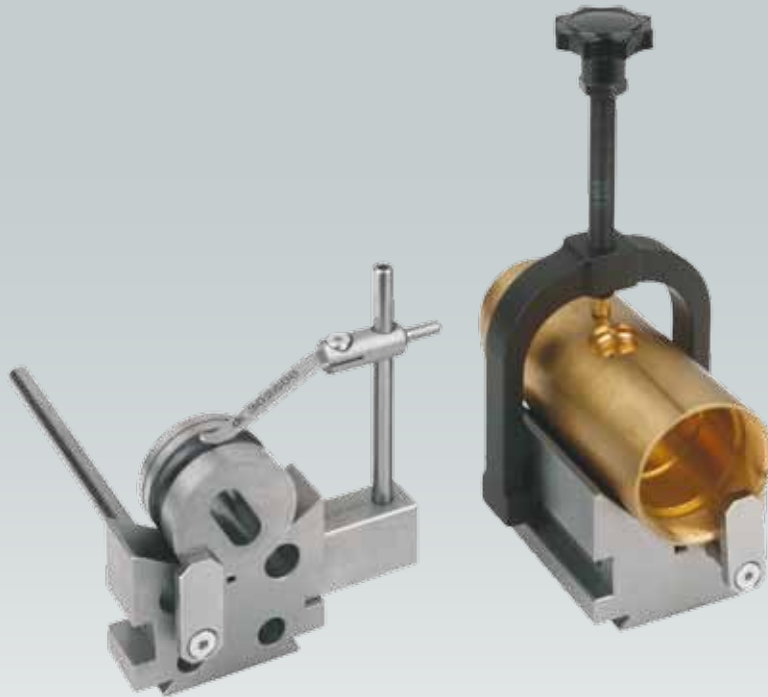
Hardcoated aluminium / steel.

↪ Longitudinal stop, see page 61.



SWA 39

Order number	Clamping range	V-block length	Magnetic force (N)	Height
278300	Ø 5-50	37	50	80
278310	Ø 5-50	67	100	80



V-blocks

Description

V-block for mounting rotationally-symmetrical test parts. Adjustable length stop for reproducible clamping. With an SWA 39 quick-change adapter integrated in the base of the V-block. Also features tapped holes in the side for mounting a tensioning strap fixture, clamping bracket or spring clamp.

Material

Hardened steel.

Scope of delivery

Includes adjustable length stop (318110).



SWA 39

Order number	V-block length	Prism width	V-block mount
272700	20	60	120°
272800	60	60	90°

+ Accessories for V-blocks

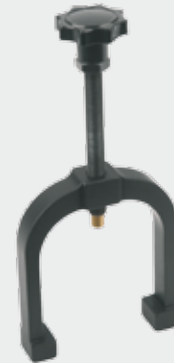
Clamping bracket

Description

For clamping rotationally-symmetrical parts.

Material

Aluminium.



Order number

272920

Clamping range

Ø 4-50 (for 90° V-block)

Ø 4-55 (for 120° V-block)

Spring clamp with mounting

Description

Enables parts to be clamped quickly and easily.

Scope of delivery

Includes spring clamp (302800), column (368300) and column bracket (272910).



Order number

272930

Clamping range

Ø 4-50 (for 90° V-block)

Ø 4-90 (for 120° V-block)

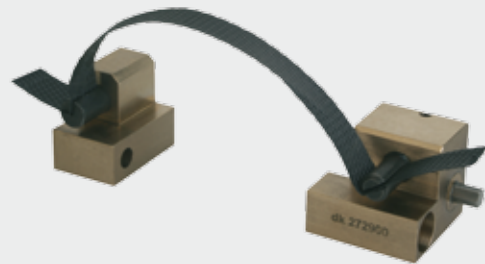
Tensioning strap fixture

Description

Ideal for clamping irregularly-shaped parts.

Scope of delivery

Includes M 5 fastening screws, operating tool and 5 m tensioning strap.



Order number

272900

Clamping range

Ø 4-80 (for 90° V-block)

Ø 4-120 (for 120° V-block)



Pairs of adjustable V-blocks

Description

Pairs of V-blocks for T-slot. The clamping range is freely adjustable. Features tapped holes in the side for mounting a tensioning strap fixture or spring clamp.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes screws and T-slot blocks.



T-slot 6

Order number	V-block	V-block length	Height
305600	90°	18	77
306500	90°	40	60
305500	120°	18	52
305700	120°	25	49

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+ Accessories for pairs of adjustable V-blocks

Spring clamp with mounting

Description

Enables parts to be clamped quickly and easily.

Scope of delivery

Includes adjustable spring clamp (302810), column (368500) and column bracket (272910).

Order number	Clamping range
272940	Ø 4-50 (for 90° V-block) Ø 4-55 (for 120° V-block)

↳ Additional spring clamp, see page 55.



Tensioning strap fixture

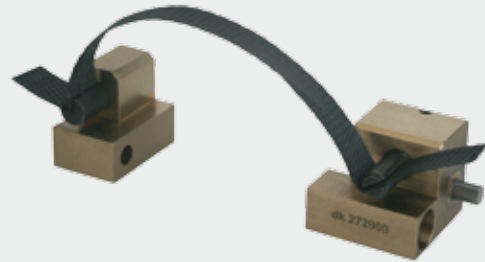
Description

Ideal for clamping irregularly-shaped parts.

Scope of delivery

Includes M 5 fastening screws, operating tool and 5 m tensioning strap.

Order number
272900



Small V-blocks with spring clamp

Description

Small 120° V-block for the spring-clamping of rotationally symmetrical parts. Mounted on an SWA 39 quick-change adapter.

Material

Aluminium / stainless steel.

Scope of delivery

Includes bracket (343800) and spring clamp (343700).



SWA 39

Order number	Clamping range	V-block length	V-block mount
277410	Ø 2-25	10	120°
277400	Ø 2-25	25	120°

V-support with clamping fixture

Description

120° V-block support with column and spring clamp. Includes an SWA 8 quick-change mount.

Material

Stainless steel.



SWA 8

Order number	Clamping range	V-block length	Connection	Height
285810	Ø 2-25	20	SWA 8	45

Tailstock

Description

Pair of tailstocks featuring one fixed and one movable mount. The movable mount is spring-loaded and engageable. Gripped by T-slot.

Material

Hardcoated aluminium / steel.

Scope of delivery

Includes T-slot blocks and $\varnothing 15 / 60^\circ$ clamping centres.



T-slot 6

Order number	Centre height	Length	Width	Height	Approx. weight (kg)
306000	50	150	25	75	0.720

+ Accessories for tailstock

Live tailstock centre

Description

60° live centre for movable tailstock mount.

Material

Steel.



Order number	Centre angle	Diameter
306110	60°	10
306120	60°	20

Dead tailstock centres

Description

Pair of dead tailstock centres.

Material

Hardened steel.



Order number	Centre angle	Diameter
306100	60°	30
306200	90°	15
306300	90°	30

Fixed stops

Description

Changeable stop for quick and flexible positioning by articulated clamping arms.

Material

Steel.



SWA 5

SWA 8

Order number	Connection	Length	Contact	External diameter
285400	SWA 5	16	Ø 12	16
285500	SWA 8	20	Ø 14	20

Angular stops

Description

Support angle with quick-change mount for quick positioning by articulated clamping arms.

Material

Hardcoated aluminium.



SWA 5

SWA 8

Order number	Connection	Side length	Total length
285700	SWA 5	20 x 20	37
377200	SWA 8	20 x 20	37

Pressure clamps

Description

Spring-loaded pressure clamp for articulated clamping arms with quick-change mount. Used in conjunction with articulated clamping arms, the pressure clamp is pressed on by hand and then gripped by the articulated clamping arm.

Material

Stainless steel / brass / plastic.



Order number	Connection	Material	Contact	Spring deflection	Clamping pressure (N)
288200	SWA 5 axial	brass	Ø 8	4	30
376600	SWA 8 axial	plastic	Ø 10	5	30
376700	SWA 8 radial	plastic 1	Ø 10	5	60
288100	SWA 5 V	stainless steel 2	Ø 20 max.	4	60

Tensioning clamp

Description

Tensioning clamp for mounting on articulated clamping arms. Used in conjunction with articulated clamping arms, the draw hook is attached to the part to be clamped, tensioned by hand and gripped by the articulated clamping arms.

Material

Stainless steel.



SWA 8

Order number	Connection	Size	Length	Tensioning length	Tensile force (N)
376800	SWA 8	draw hook Ø 10	81	11	80

Horizontal clamp

Description

Horizontal clamp with M 10 thread.

Material

Steel.

Scope of delivery

Includes lock nut.



M 10

Order number	Overhang	Clamping range	Height
288400	16-31	0-15	70

Horizontal clamps with support

Description

M 10 horizontal clamp having a clamping support.

Material

Steel / hardcoated aluminium.

Scope of delivery

Includes lock nut.



M 10

Order number	Overhang	Clamping range	Height
336300	16-31	0-10	100
336400	27-50	0-30	120

Horizontal clamps with support for support columns

Description

Rest with horizontal clamp for mounting on Ø 12 mm support columns.

Material

Steel.



D 12

Order number	Overhang	Clamping range	Height
308000	16-31	0-15	68
308100	16-31	0-42	97

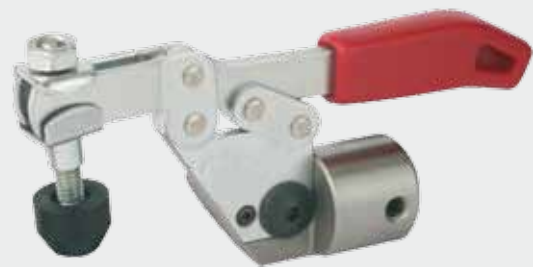
Horizontal clamps with quick-change mount

Description

Horizontal clamp with quick-change mount perpendicular to clamping direction.

Material

Steel / stainless steel.



SWA 5 | SWA 8

Order number	Size	Connection
335400	S	SWA 5
335600	S	SWA 8
335500	L	SWA 5
335700	L	SWA 8

Pushrod clamps

Description

Pushrod clamp with quick-change mount perpendicular to clamping direction.

Material

Steel / stainless steel.



SWA 5

SWA 8

Order number	Size	Connection
335900	S	SWA 5
336100	S	SWA 8
336000	L	SWA 5
336200	L	SWA 8

Grips

Description

Clamping grips for fixturing thin, stable parts.
Clamping effect provided by ball-head screw.

Material

Steel.



SWA 5

SWA 8

Order number	Connection	Clamping depth	Clamping height
302100	SWA 5	5	3
302000	SWA 8	5	3

Clamping supports

Description

Clamping supports featuring Ø 4 mm pin hole for mounting on T-slot or extension modules.

Material

Steel / hardcoated aluminium.

Scope of delivery

Includes T-slot block for T-slot and stop pin.



T-slot 6

Order number	Version	Adjustment range	Length	Width	Height
320200	clamping support with self-aligning surface ①	20	57	25	30
320000	fixed clamping support ②	27	57	25	20
320100	stepped clamping support ③	27	65	25	36

Clamping supports with pull-down jaw

Description

Clamping support with fixed stop and pull-down jaw.

Material

Steel / hardcoated aluminium.

Scope of delivery

Includes T-slot block for T-slot.



T-slot 6

Order number	Version	Adjustment range	Length	Width	Height
320500	straight fixed stop	2.5	67	25	27
320600	radial fixed stop	2.5	65	25	36



Airbase

Description

Base anchorage on smooth surfaces. Easy-glide air cushion. Fixturing by vacuum. Connection modules with SWA 39 interface. Maximum load capacity of approximately 15 kg. Operating pressure 4.5 to 6 bar. Operation only with dry and oil-free air: use maintenance unit art. no. 270400 if necessary. With vacuum connection (D 5).

Scope of delivery

Includes spiral hose and G 1/4" nipple.

Accessories

Maintenance unit (270400) with filter, separator and pressure relief valve.



SWA 39

Order number	Length	Width	Height	Approx. weight (kg)
270200	300	200	110	3.3

Vacuum clamping plates

Description

Vacuum clamping plates in high-strength aluminium. With seal grooves and stops for the reproducible mounting of parts. ON/OFF switch with rapid air release. Mounted on an SWA 39 quick-change adapter.

Material

Aluminium.

Scope of delivery

Includes sealing cord and connection hose (D 5).



SWA 39

Order number	Max. suction area
294000	100 x 100
294100	200 x 100

Vacuum clamping plates – round

Description

Round vacuum clamping plates in high-strength aluminium. With seal grooves and stops for the reproducible mounting of parts. ON/OFF switch with rapid air release. Mounted on an SWA 39 quick-change adapter.

Material

Aluminium.

Scope of delivery

Includes sealing cord and connection hose (D 5).



SWA 39

Order number	Max. suction area
294700	Ø 30
294800	Ø 50



Suction cups

Description

Suction units with removable support pin.

Material

Silicone / brass.



Order number	Suction cup Ø	Connection thread
295800	12	M 5
295900	18	M 5
296000	25	1/8"
296100	34	1/8"

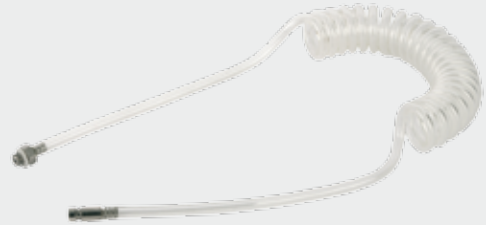
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+ Accessories for vacuum systems

Spiral hose

Description

Transparent spiral hose with quick-action coupling (D 5) and M 5 connection thread.



Order number	Length (normal)	Max. length	Internal Ø
293600	350	1000	2

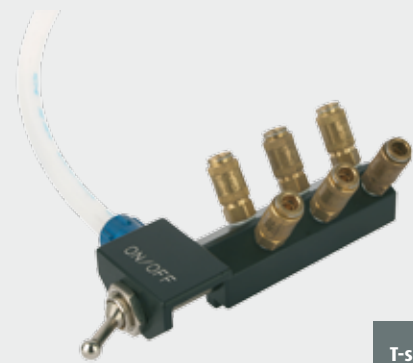
Vacuum distributor

Description

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

Material

Aluminium / steel.



Order number	Number of ports	Scope of delivery
293800	6	includes connection line

T-slot

Suction cup mount

Description

SWA 5 mount for suction cups. Connection for M 5 suction hose.

Material

Steel / stainless steel.



Order number	Version
292700	for suction cups with M 5 mount
292800	for suction cups with 1/8" mount

SWA 5

Vacuum pumps

Description

Dry-running rotary-vane vacuum pump. Absolutely oil-free. Mains voltage 220–240 V. Mounted on rubber vibration-damping elements, ON/OFF switch on power cable and 1/8" coupler socket for vacuum outlet connection.



Order number	Nominal displacement	Final pressure	Nominal motor power	Noise level	Approx. weight (kg)
298500	3 m ³ /h	150 mbar	0.1 kW	57 dB (A)	7.100
298600	7.3 m ³ /h	150 mbar	0.25 kW	62 dB (A)	9.800

Vacuum pump for compressed-air operation

Description

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

Material

Aluminium.



Order number	Nominal displacement	Operating pressure	Air consumption
298700	7.4 m ³ /h	5 bar	30 L / min.

Clamp set "A"

Description

Set of two clamping elements: a precision vice and a toggle clamp. The individual clamping elements can be tilted into the desired position using the Monoball swivel unit. All modules can be anchored quickly and easily using an SWA 39 quick-change mount. Structural and clamping elements are mounted using a quick-action clamp, which is secured either directly to the measuring bench, or on a base plate.

Ordering information

When ordering, select the appropriate quick-action clamp or tell us at the time of order the size of the mounting hole or T-slot on your measuring bench.



Set version

Order number	Designation
340510	clamp set "A"

Set contents

Order number	Designation	Quantity
308200	80 mm precision vice	1
279300	Toggle clamp (0-50 mm)	1
270500	Swivel unit Monoball	1
see right	Quick-action clamp	1
	Order number	Connection
	285206	M 6
	285208	M 8
	285210	M 10
	285212	M 12
	285300	T-slot Spannfix plate

Clamp set "B"

Description

Set of various clamping elements, including precision vice, precision chuck, toggle clamp and small-parts clamp. The individual clamping elements can be tilted into the desired position using the Monoball swivel unit. All modules can be anchored quickly and easily using an SWA 39 quick-change mount. Structural and clamping elements are mounted using a quick-action clamp, which is secured either directly to the measuring bench, or on a base plate.

Ordering information

For set version "B1", select the appropriate quick-action clamp or tell us at the time of order the size of the mounting hole or T-slot on your measuring bench.



Set version

Order number	Designation
340610	Clamp set "B"

Set contents

Order number	Designation	Quantity
308200	80 mm precision vice	1
283005	50 mm precision three-jaw chuck	1
267500	Small-parts clamp, smooth	1
270500	Swivel unit Monoball	1
284000	Articulated clamping arm SU with toggle clamp (0-25 mm)	1
see right	Quick-action clamp	1
	Order number	Connection
	285206	M 6
	285208	M 8
	285210	M 10
	285212	M 12
	285300	T-slot

Clamping sets "C"

Description

Set of various clamping elements, including precision vice, precision chuck, toggle clamp and small-parts clamp and V-block. The individual clamping elements can be tilted into the desired position using the Monoball (clamping set "C1") or Cube (clamping set "C3") swivel unit. All modules can be anchored quickly and easily using an SWA 39 quick-change mount. Structural and clamping elements are mounted using a quick-action clamp, which is secured either directly to the measuring bench, or on a base plate.

Ordering information

For set versions "C1" and "C3", select the appropriate quick-action clamp or tell us at the time of order the size of the mounting hole or T-slot on your measuring bench.



Set versions

Order number	Designation
340710	Clamp set "C1"
340730	Clamp set "C3"

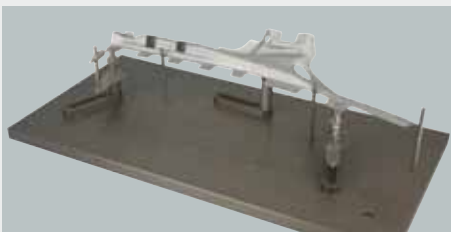
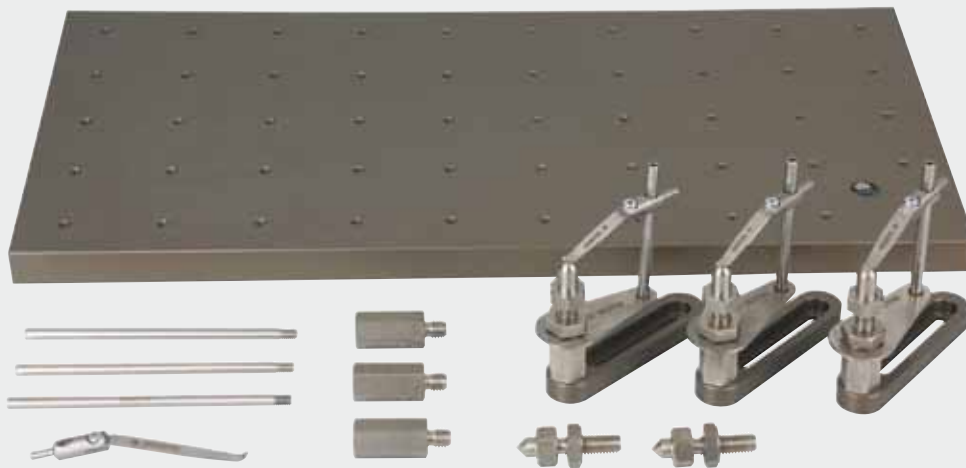
Set contents

Order number	Designation	Set "C1"	Set "C3"
276600	Small-parts clamp with internal lock	1	1
282100	50 mm precision vice	1	1
282300	Cylindrical pins for 50 mm vice	1	1
308200	80 mm precision vice	1	1
283005	50 mm precision three-jaw chuck	1	1
270500	Swivel unit Monoball	1	-
270650	Swivel unit Cube	-	1
272700	V-block	1	1
272920	Clamping bracket	1	1
279300	Toggle clamp (0-50 mm) with locating pin	1	1
284000	Articulated clamping arm SU with toggle clamp (0-25 mm)	1	1
see right	Quick-action clamp	1	1
	Order number		
	Connection		
	285206	M 6	
	285208	M 8	
	285210	M 10	
	285212	M 12	
	285300	T-slot	

Spannfix basic sets Eco

Description

Set with different supports, extension elements and stop units. Workpieces are clamped using spring clamps. The base forms a base plate with mounting holes to enable module elements to be positioned quickly and flexibly.



Set versions

Order number	Designation
285130	Spannfix basic set Eco "1"
285140	Spannfix basic set Eco "2"

Set contents

Order number	Designation	Set "1"	Set "2"
395030	Base plate with tapped holes, 500 x 250 mm	1	-
395040	Base plate with tapped holes, 600 x 300 mm	-	1
322005	Screw frame set with spring clamp	3	3
322600	Formed support with 90° point	2	2
322300	Extension piece, 35 mm	3	3
368500	Column 125 mm, for spring clamp or as stop unit	3	3
302900	75 mm spring clamp	1	1

Distributed by Fixtureworks. For additional information, call 888.794.8687.

Spannfix expansion set Eco

Description

Expansion set with different support, extension and clamping modules.



Set version

Order number	Designation
285150	Spannfix expansion set Eco

Set contents

Order number	Designation	Quantity
296700	Articulated clamping arm SU	1
322010	Adjustable base rail	1
322200	Extension piece, 25 mm	4
322300	Extension piece, 35 mm	3
322400	Extension piece, 50 mm	3
323000	Self-aligning support	1
368300	Column for 75 mm spring clamp	1
368505	Column for 150 mm spring clamp	2
302800	50 mm spring clamp	1
302900	75 mm spring clamp	2
275000	Adapter – male M 6 / female M 8	1
334900	Toggle clamp, 0–25 mm	1
285500	Stop unit for support surface, 20 mm	1
285810	V-support with spring clamp	1
329500	SWA 8 quick-change mount	2
377200	25 mm angle	1
323400	120° V-support	1
303700	25 mm centre point, 90°	1
303800	40 mm centre point, 90°	1

Spannfix basic sets

Description

Set of articulated clamping arms, toggle clamps and a Spannfix base plate for quick and flexible positioning of various test parts. The high clamping forces of the articulated clamping arms allow even heavy parts to be fixtured securely.



Set versions

Order number	Designation
285110	Spannfix basic set "1"
285120	Spannfix basic set "2"

Set contents

Order number	Designation	Set "1"	Set "2"
280500	Base plate with T-slot, 500 x 250	1	-
280800	Base plate with T-slot, 600 x 300	-	1
297000	Articulated clamping arms MU	3	3
290700	M 10 satellite mounts	3	3
334900	Toggle clamps (0-25 mm)	3	3
279600	Toggle clamp (0-50 mm) with locating pin	1	1

Distributed by Fixtureworks. For additional information, call 888.794.8687.

Spannfix expansion set

Description

Expansion set featuring various support and fixturing modules for reproducible fixturing of specimens.



Set version

Order number	Designation
399300	Spannfix expansion set

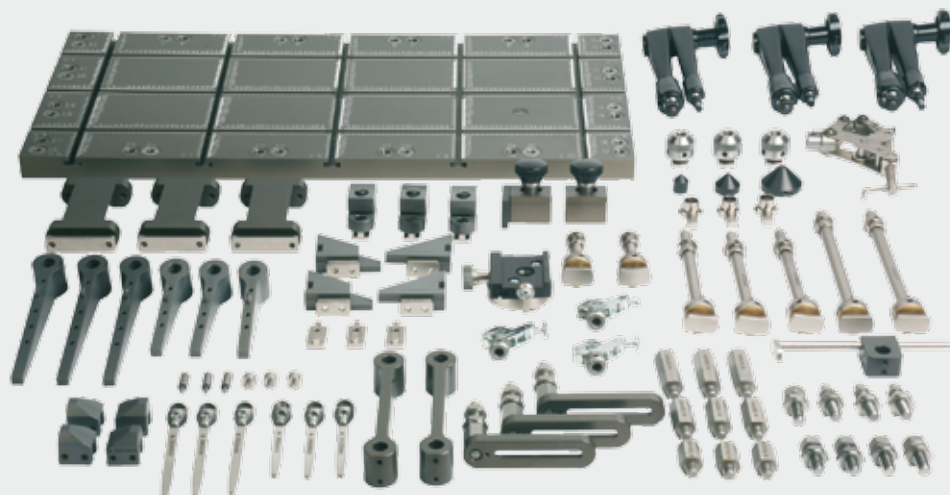
Set contents

Order number	Designation	Quantity
286600	150 mm arm	1
286700	100 mm arm	3
286800	60 mm arm	1
322000	Screw frame set	3
326400	T-slot blocks	3
302500	Spring clamp 75 mm	3
302600	Spring clamp 90 mm	3
319300	Support domes with 90° centre point	3
319400	Support domes R4 x 15 mm	3
319500	Support domes R4 x 20 mm	3
303700	25 mm centre points with SWA 8	2
303600	15 mm centre points with SWA 8	2
287500	Adjustable stop	1
329500	M 10 quick-change mount	3
322300	35 mm extension elements	3
302000	Grips for clamping thin parts	3
290700	M 10 satellite mounts	3
288800	Columns with T-slot block (quick-action lock)	4

Spannfix complete set

Description

Set that includes articulated clamping arms and toggle clamps for quick and flexible positioning of various test parts. Structural and clamping elements are anchored on a Spannfix base plate measuring 600 mm x 300 mm. Various support and fixturing modules can be used to achieve reproducible fixturing. The high clamping forces of the articulated clamping arms allow even heavy parts to be fixtured securely.



Set version

Order number	Designation
399700	Spannfix complete set

Set contents

Order number	Designation	Quantity
280800	Base plate with "Spannfix" T-slot	1
288700	85 mm support columns	2
288800	170 mm support columns	3
288900	205 mm support columns	2
see right	Anchoring claw for Spannfix base plate	1
	Order number	Connection
	281406	M 6
	281408	M 8
	281410	M 10
	281412	M 12
285300	Quick-action clamp for T-slot	1
320500	Clamping supports with pull-down jaw	3
305500	Pairs of V-blocks	2
324100	100 mm extension pieces	3
286700	100 mm arm	3
286600	150 mm arm	3
287200	Pairs of adjustable V-blocks	2
286100	Support finger	3
322000	Screw frame set	3
326400	T-slot blocks	3
322200	25 mm extension elements	3
322300	35 mm extension elements	3

Spannfix complete set (continued)

Set contents (continued)

Order number	Designation	Quantity
322400	50 mm extension elements	3
322600	Formed supports with cone point	3
329500	M 10 quick-change mounts	3
323000	M 10 self-aligning supports	2
287500	Adjustable stop	1
287100	Bridge support, centre-to-centre 125 mm	2
302500	75 mm spring clamp	3
302600	90 mm spring clamp	3
297000	Articulated clamping arms MU	3
290700	M 10 satellite mounts	3
279600	Toggle clamp with locating pin	1
334900	Toggle clamps	3
303600	15 mm centre point	1
303700	25 mm centre point	1
303800	40 mm centre point	1
319500	Support domes R4 x 20 mm	3
319300	Support domes with 90° centre point	3

Sets with slotted plate

Description

Clamping plate set with stops, columns and spring clamps. Base plate with T-slots for easy fixturing of parts. The slotted plate is anchored on an SWA 39 quick-action clamp (secured to the underside of the plates, not shown). Allows complete fixtures to be assembled off the measuring bench.



Set versions

Order number	Designation	Height to top of plate
280100	Set with small plate	44
280200	Set with large plate	38

Set contents

Order number	Designation	Set w/small plate	Set w/large plate
280300	Slotted plate with SWA 39 adapter – 150 x 200 mm	1	-
280400	Slotted plate with SWA 39 adapter – 200 x 300 mm	-	1
326400	T-slot blocks	2	2
368200	50 mm columns	2	2
302800	Spring clamp	2	2
325400	Set of stop unit T-slot blocks (set of 3)	1	1

