ERO ADJUSTMENT SLIDE TYPE VS

ADJUSTMENT SLIDE

The ERO adjustment slides of the VS series are dovetail slides with maximum strokes (in the standard version) of 5, 10, 15, 25, 50 or 75 mm, which are manufactured in single-, two- or three-axis versions.

AREAS OF APPLICATION

Positioning, movement, processing and handling tasks, can be used horizontally and vertically.

MATERIAL AND CARRIAGE DESIGN

Standard version, natural anodized aluminum.
Spindles made of stainless steel, end plates chemically nickel-plated, fastening screws corrosion-resistant.
Other materials on request.
Repeatability 0.05 mm.
All slides with mounting holes.
Other coatings and surfaces on request.

MAINTENANCE

All ERO slide guides require little maintenance.

Type VSLS 50 XYZ

ADVANTAGES OF ERO ADJUSTMENT SLIDE TYPE VS

Ease of movement

precision

simple and compact design

stable

very easy

not rusty

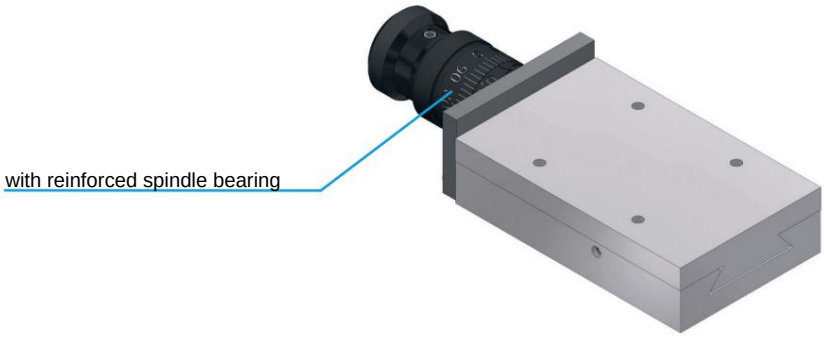
Available in other anodized colors upon request

economically

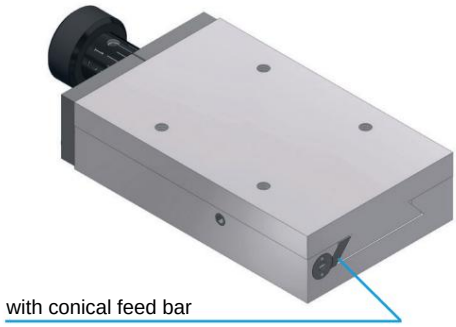
Size	load capacity in N	Weight in g				spindle	Hub	Reading accuracy
		X	XY	Y Z	XYZ			
VS 10	3	6	10	11	15	M3x0.5	5	0.05
VS 20	20	40	80	100	150	M4x0.5	10	0.02
VS 30 / VSL 30	48	60	100	150	200	M6x1	15	0.05
VSS 30 / VSLS 30						M3x0.5	15	0.01
VS 50 / VSL 50	149	300	500	600	900	M6x1	25	0.05
VSS 50 / VSLS 50								0.02
VS 75 / VSL 75	250	700	1200	1500	2000	M6x1	50	0.05
VSS 75 / VSLS 75								0.02
VS 100 / VSL 100	441	1600	2600	3500	4600	M8x1	75	0.05
VSS 100 / VSLS 100								0.01

TYPE VS SIMPLE EXECUTION

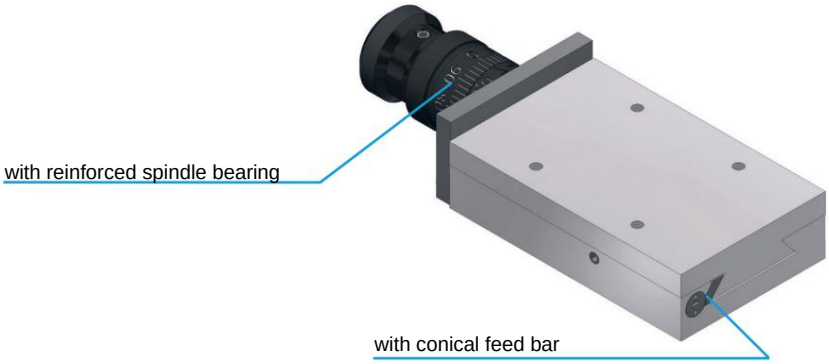
TYPE VSS WITH REINFORCED SPINDLE BEARING



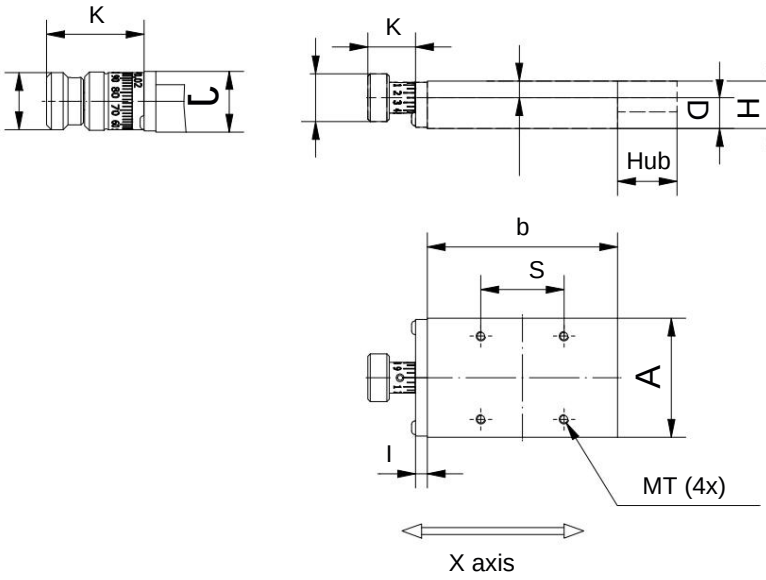
TYPE VSL SIMPLE VERSION
WITH CONICAL DELIVERY BAR



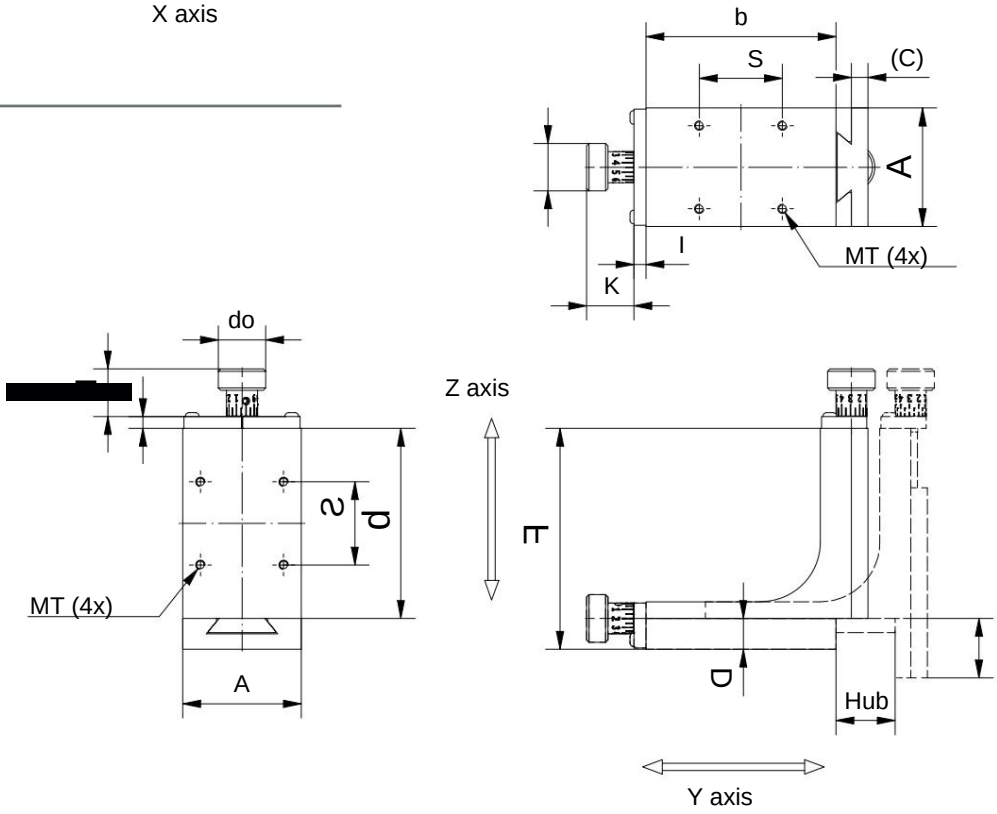
TYPE VSLS WITH CONICAL BAR
& REINFORCED SPINDLE BEARING



X



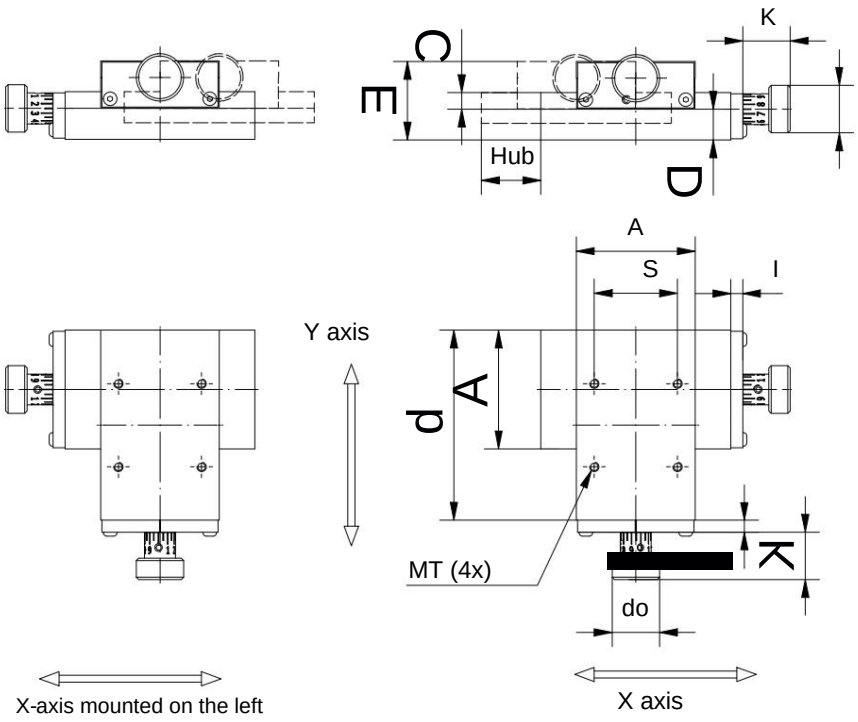
Y Z



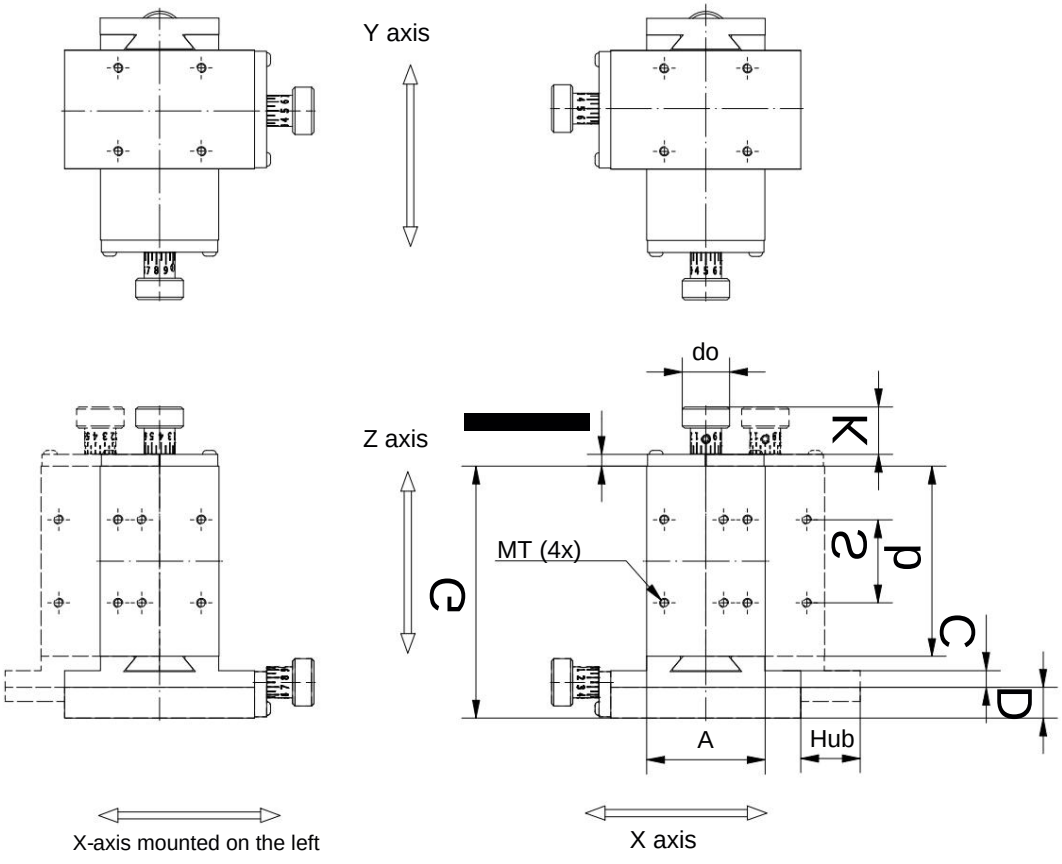
TECHNICAL DATA

Size	A	b	C	D Hub E		F	G	H	J	I	K Do S		M	T
VS 10	10	15	3	5	5	16 20 28		8th	7.75	2	8th	6	6M23	
VS 20	20 30		5	8th	10	22 38 47 13			12.5	3	15	14	12M35	
VS 30 / VSL 30	30 40		6	9	15 25 49 59			15	14.5	3	17	15	15M36	
VSS 30 / VSLS 30									15.5		23	14		
VS 50 / VSL 50	50 80		7	13	25	33 93 106 20			19.5	5	20 20		35M47	
VSS 50 / VSLS 50									25.5		41	24		
VS 75 / VSL 75	75 105 10			15	50	40	120 135 25		24.5	5	25 25		50 M5 10	
VSS 75 / VSLS 75									27.0		41	24		
VS 100 / VSL 100	100 160 12			18	75	48	178 196 30		29.0	6	25 25		70 M6 12	
VSS 100 / VSLS 100									33.0		48 30			

XY



XYZ



ERO ADJUSTMENT SLIDE TYPE VS OVERVIEW OF CLAMPING POSSIBILITIES

COUNTLESS POSSIBILITIES

Our modular system opens up countless possibilities, including when it comes to clamping.

In this illustration you can see the different ways to combine our VS adjustment slides.

The clamping options are described on the right.

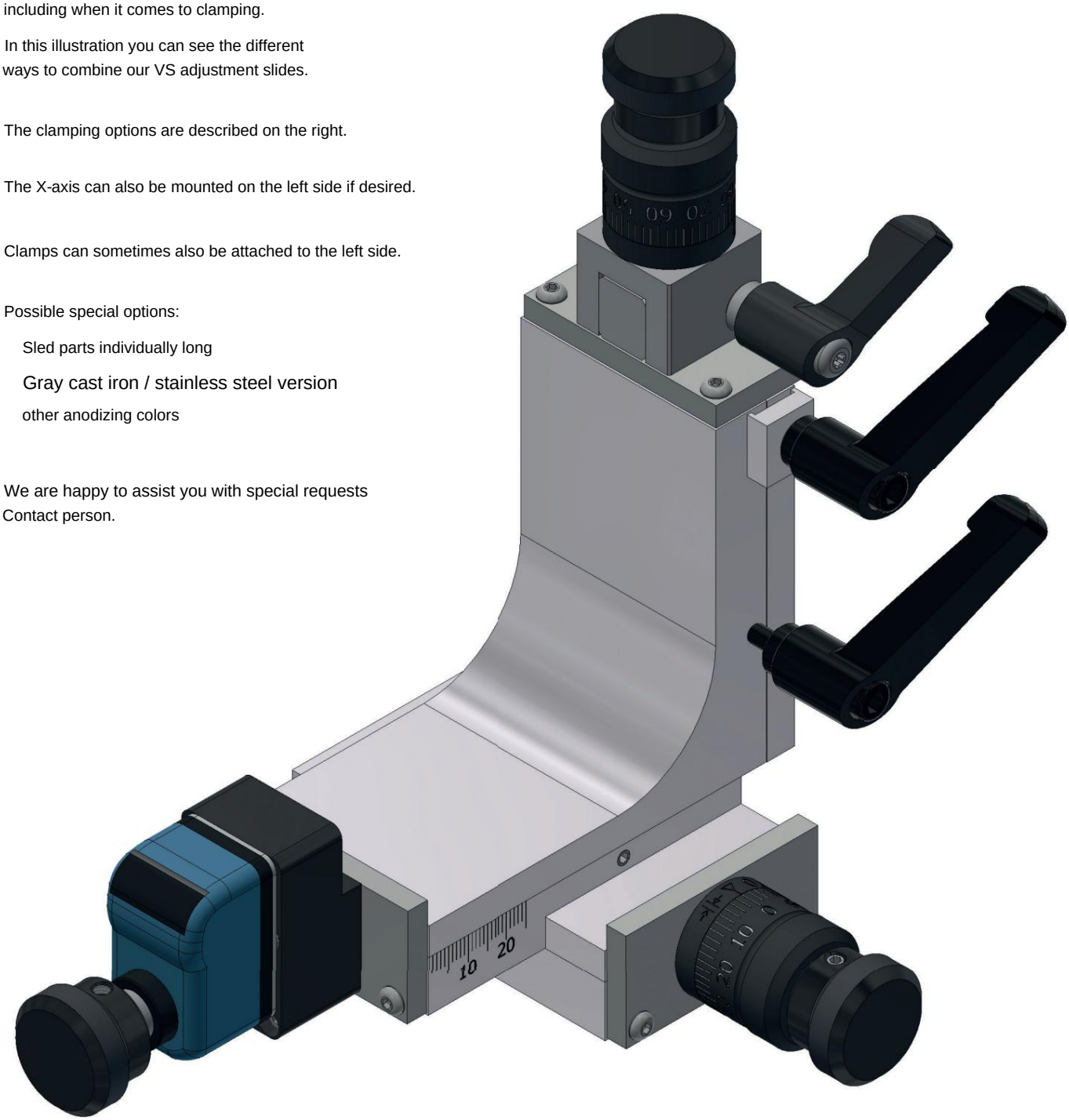
The X-axis can also be mounted on the left side if desired.

Clamps can sometimes also be attached to the left side.

Possible special options:

- Sled parts individually long
- Gray cast iron / stainless steel version
- other anodizing colors

We are happy to assist you with special requests
Contact person.



MOTORIZED VERSION

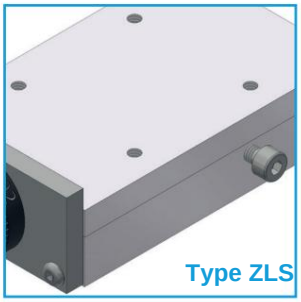
A motorized version of our adjustment slides (type MVSLS) is available from size. 30 and possible in all axle variants.

Stepper motors can be easily operated with G-code programming using our in-house **ERO control .** Further information can be found at **www.ero-fuehrungen.de**


Type ZL

ZL = with clamping via clamping lever
Feed bar/dovetail profile

VSL & VSLS only right (bar)
VS & VSS on both sides from
size 30 only for X, YZ versions

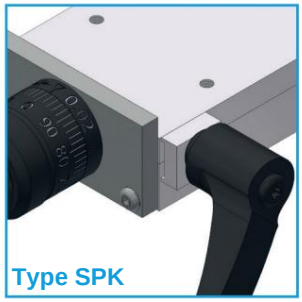

Type ZLS

ZLS = with clamping via screw
Feed bar/dovetail profile

VSL & VSLS only right (bar)
VS & VSS on both sides from
size 30 only for X, YZ versions

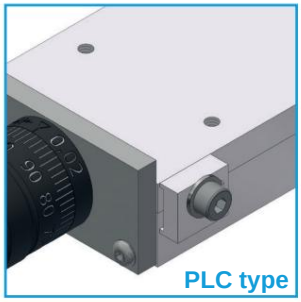
SPK = with clamping via clamps and
Clamping lever

from size 30 (only X & YZ possible)
from size 50 (all axles)


Type SPK

SPS = with clamping via clamping claws and screw

from size 30


PLC type

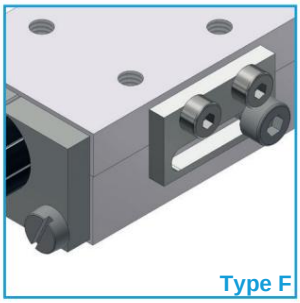

Type SKL

SKL = spindle clamping via clamping lever
SKS = spindle clamping via screw

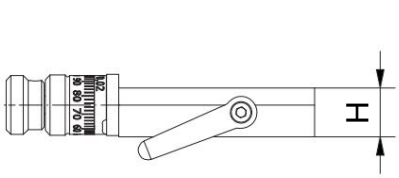
From size 30
only for VSS and VSLS

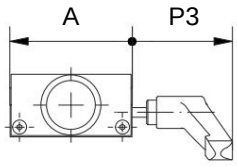
F = clamping via screw on locking plate

Size 10 & 20

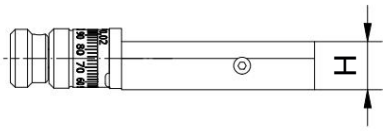

Type F

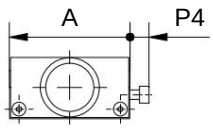
OPTIONS CLAMPS ADJUSTMENT CARRIAGE



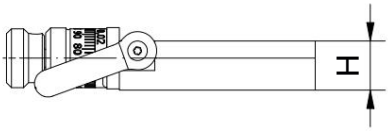


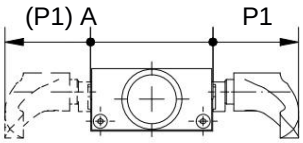
ZL = with clamping lever on the feed bar



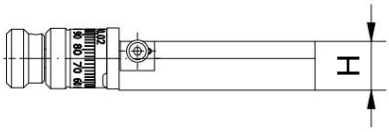


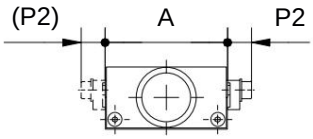
ZLS = with screw on adjustment bar



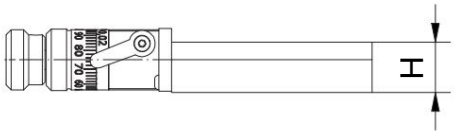


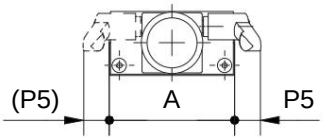
SPK = with clamping lever on clamping claw



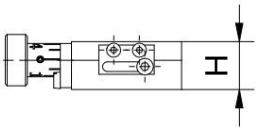


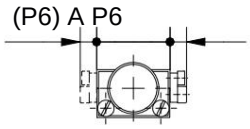
SPS = with screw on clamp





SKL = with spindle clamping



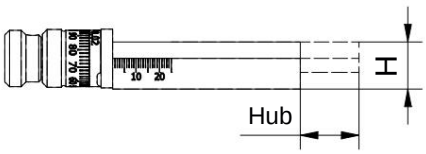


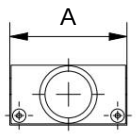
F = with clamping type F

Sled type	A Width	H Height	P1 SPK	P2 PLC	P3 ZL	P4 ZLS	P5 SKL	P6 F	do
10									
VS | VSL	10		-	-	-	-	-	4	Ø6
20									
VS | VSL	20		-	-	-	-	-	4	Ø14
30									
VS | VSL	30	9	28	9	27	6	16	-	Ø15
VSS | VSLS 50	30	9	28	9	27	6	16	-	Ø14
VS | VSL	50	13	35	10	38	7	11	-	Ø20
VSS | VSLS 75	50	13	35	10	38	7	11	-	Ø24
VS | VSL	75	15	36	11	34	8	-2	-	Ø25
VSS | VSLS	75	15	36	11	34	8	-2	-	Ø24
100									
VS | VSL	100	18	41	12	36	11		-	Ø25
VSS | VSLS	100	18	41	12	36	11	11	-	Ø30

SCALE OPTION

The numbers indicate the possible engravings.





1 = from 0 to maxHub

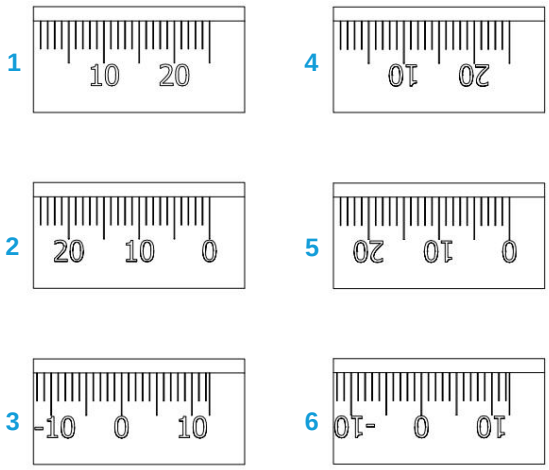
2 = maxHub to 0

3 = -1/2 stroke to +1/2 stroke

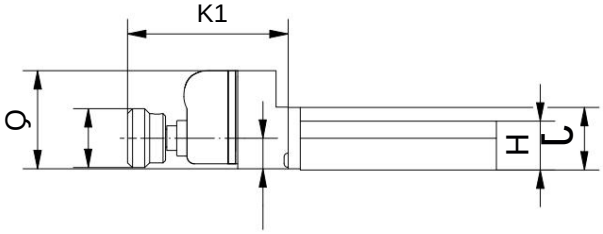
4 = 1 rotated by 180°

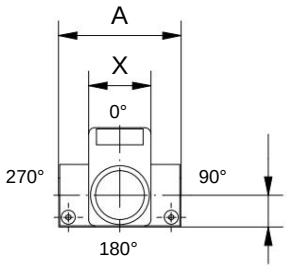
5 = 2 rotated by 180°

6 = 3 rotated by 180°



POSITION DISPLAY OPTION





Position indicator can
be mounted in 4 mounting positions.
Default 0°

K1 P.A	J	spindle	Position display	*Advertisement after 1 turn	X	Q	Q1	Q2
- -M3x0.5- -					-	-	-	-
- -M4x0.5- -					-	-	-	-
47.0	15.0	M6x1	EOP2	01.0	25.4	38	10.5	9
46.0	18.5	M3x0.5	EOP2	00.5	23.0	38	10.5	9
50.0	20.0	M6x1	EOP2	01.0	25.4	38	10.5	13
65.5	25.5	M6x1	EOP2	01.0	25.4	40	12.5	13
55.0	25.0	M6x1	EOP2	01.0	25.4	38	10.5	15
66.0	27.0	M6x1	EOP2	01.0	25.4	40	12.5	15
65.0	30.0	M8x1	EOP3	01.0	32.0	46	16.5	18
74.0	33.0	M8x1	EOP3	01.0	32.0	46.5	16.5	18

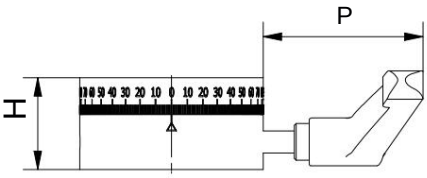
* Digital position displays on request.

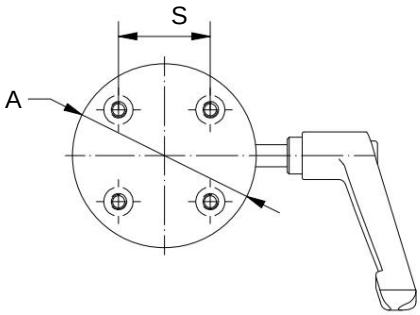
TURNTABLE TYPE DTVS

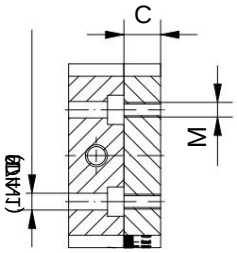
Turntables can be used for all VS series adjustment slides.
The turntables can be rotated 360°.
Scale graduation 1°, readable to the left and right by 90° each.
Clamping is done using clamping levers.

Standard with drilling pattern and clamping on the right.

Clamping possible via clamping lever or screw.







Type	A Turntable Ø	H Height	S	C	M	N	P	Weight (kg)
DTVS	30	15	15	5	M3	M3	10	0.03
DTVS	50	25	25	10	M4	M4	45	0.18
DTVS	75	25	40	10	M5	M5	36	0.34
DTVS	100	25	60	10	M6	M6	40	0.56

For turntable size 30, clamping is only possible with a screw