

Type:

Double vice

View  
on-line:

# DSS



System:

Two clamping sliders, one central jaw, and one continuous spindle simultaneous clamping from both sides against the central jaw.

Versions:

## DSS-M

Mechanical span adjustment and pressure build-up. Different work-piece dimensions  $\pm 2$  mm can be compensated by spindle bearings.

# DSS – multi-clamping in all dimensions, for the rational small-batch and series production

## Best repeat accuracy

Clamping slider and  
spindle nut made of one piece

## Simple pre-clamping (3-hand operation)

Pre-clamping of workpiece 1,  
Insert workpiece 2 and clamp both.  
And that can be easily done vertically!

## Safe stop

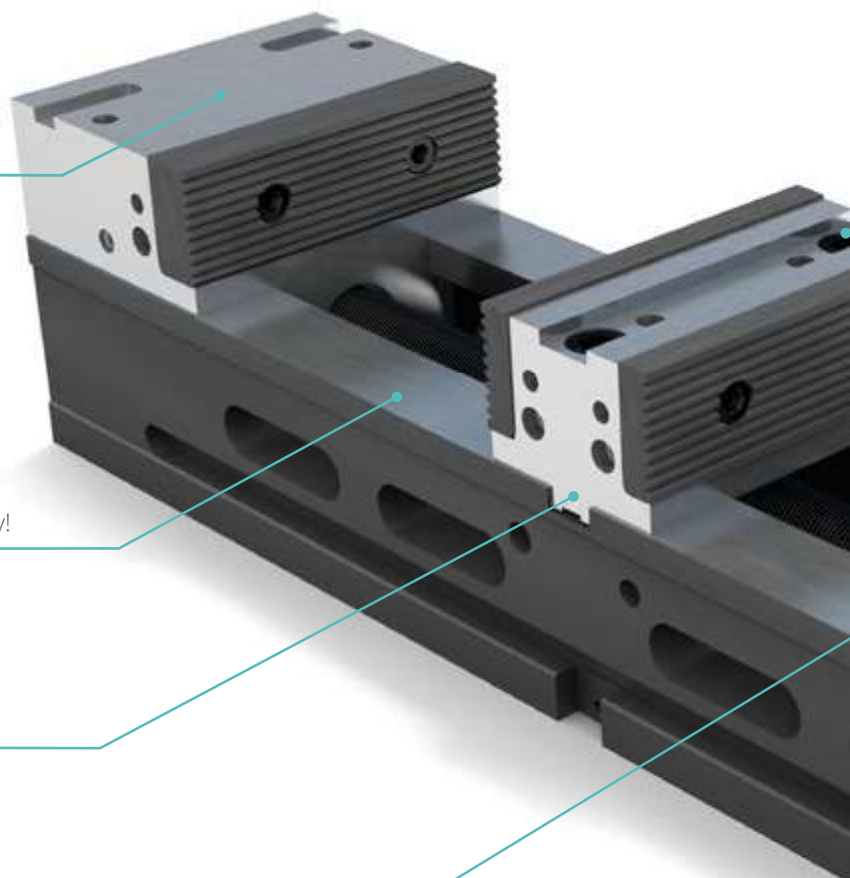
The free-standing central jaw is  
secured on all levels (X,Y,Z)

## Delayed stroke

2 mm delayed stroke provides sufficient  
clearance for inserting workpiece 2

## Impressive advantages:

- Repeat accuracy  $\leq 0.01$  mm
- Can be used horizontally and vertically
- Large clamping range due to stepped jaw attachments
- Basic equipment: 4 screw-in jaws and 1 hand crank
- Option: Mounting holes and transverse groove position for your zero-point clamping
- Option for longitudinal groove



Suitable accessories you can find starting from page 96

**ON REQUEST:**

  
Bed length up to 1,200 mm

**OPTIONAL:**

  
Flat bed version on request (p. 8)

## Consistent Clamping force

Both workpieces are clamped with identical clamping force

## Multi-clamping

Usage of changeover sliders enable more workpieces to be clamped. No tools required for assembly

## Tolerance compensation

Up to  $\pm 2$ mm workpiece tolerances can be compensated by vice

## Optional: tiltable

Tempered and smoothed side walls ensure maximum flexibility

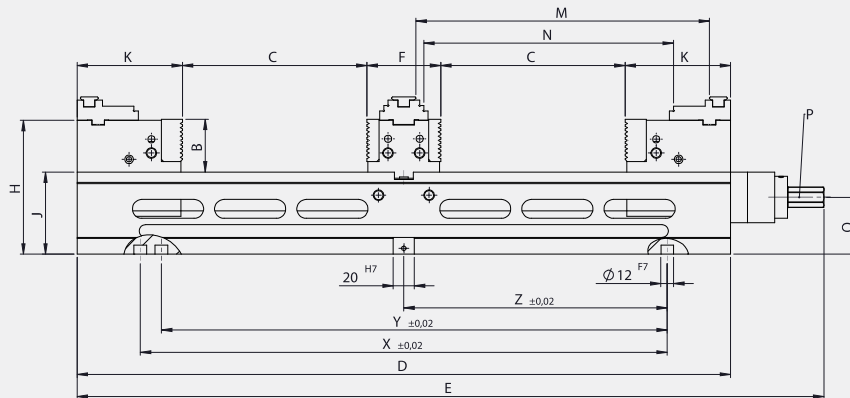




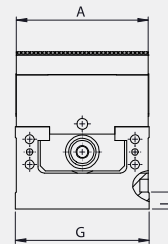
DSS-M

# Double vice, mechanical version with delayed stroke

## Technical drawing



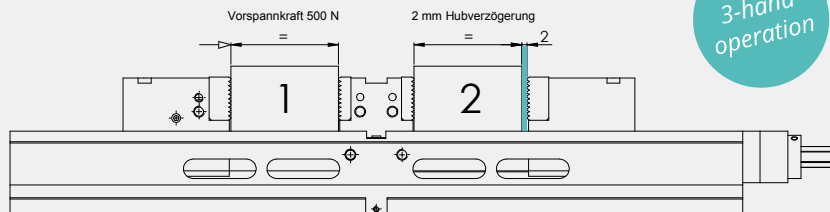
You need more flexibility?  
Then our MFS would be the right solution for you.



## Technical specifications

Jaw width	A
Order No.	
Order No. without jaws	
Clamping depth	B
Span	C
Bed length	D
Overall length	E
Fixed jaw	F±0,02
Base width	G
Overall height	H
Bed height	J h7
Clamping slide	K
	L
	M
	N
Hexagonal connection SW	P
	Q
	X
	Y
	Z
Clamping force	kN/Nm
Weight	kg

## The delayed stroke favors fixed clamping when it is used on vertical situations



3-hand operation

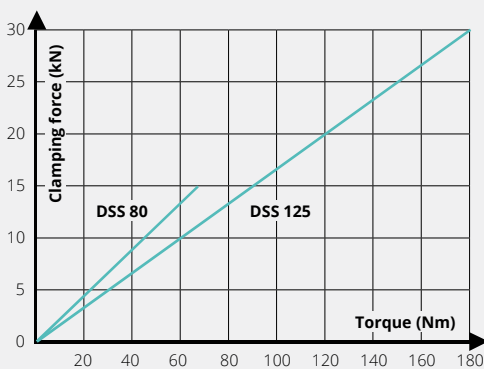
**Workpiece 1:**  
clamped with an initial force of approx. 500 N

**Workpiece 2:**  
has not been clamped by the jaws and can be positioned

Suitable accessories you can find starting from page 96

65			80				100				125			
02211	02212	02213	02311	02312	02313	02314	02411	02412	02413	02414	02511	02512	02513	02514
02211	02212	02213	02311	02312	02313	02314	02411	02412	02413	02414	02511	02512	02513	02514
000100	000100	000100	000100	000100	000100	000100	000100	000100	000100	000100	000100	000100	000100	000100
25			32				44				50			
0-74	0-99	0-124	0-76	0-96	0-116	0-136	0-115	0-140	0-165	0-190	0-145	0-175	0-205	0-235
300	350	400	340	380	420	460	450	500	550	600	560	620	680	740
360	410	460	410	450	490	530	530	580	630	680	650	710	770	830
40			60				60				70			
78			84				104				127			
63			100				122				128			
38			68				78				78			
55.5			63.5				80				100			
10			12				14				16			
-	-	-	62-140	62-160	62-180	62-200	82-196	82-221	82-246	82-271	103-248	103-278	103-308	103-338
-	-	-	32-110	32-130	32-150	32-170	50-165	50-190	50-215	50-240	62-207	62-237	32-267	32-297
10			12				14				17			
23			51				58				54			
200	200	300	200	300	300	300	300	400	400	400	400	500	500	500
-	-	-	-	280	280	280	280	-	-	-	-	480	480	480
100	100	150	100	150	150	150	150	200	200	200	200	250	250	250
10/50			15/70				20/130				30/180			
6.3	6.5	6.7	18	19	20	21	31	32	33	34	48	51	53	55

Clamping force diagram DSS 80 M, DSS 125 M



Clamping force diagram DSS 65 M, DSS 100 M

