

EASY-CLAMPING BASE









Easy-clamping base M

Easy-clamping base L

Easy-clamping base XL

QUICK, FLEXIBLE AND COPLANAR

The unique Easy-clamping base serves as a quick clamping station for a variety of vices and extensions blocks.

Fixing, adjusting and removing to machine tables with t-slots is done in a few seconds by turning just a single screw.



EASY-CLAMPING SYSTEM



Clamping tools with this logo can be used in combination with our Easy-clamping system. Where appropriate, the suitable Easy-clamping base M, L or XL is specified.

BENEFITS

- I quick adaption
- I modular clamping system for various combinations
- I use with standard clamping systems

EASY-CLAMPING BASE	М	L	XL
Qcut 250 M			
Brillant 220			
Qcut 250 A			
Brillant 230			
Qcut 350 A			
Brillant 255			
Qcut 400 A			
Qcut 500 A			
Qcut 600 A			
Qcut 800 A		*	

^{* *} only conditionally recommended





MACHINE TABLE

All recent QATM machine tables are standardly equipped with t-slots (retrofitting possible).



Change of preassembled Easy-clamping bases



Flexible by rotating and clamping elements

OPERATION

The flexible modular system of combining rotating and clamping with standard clamping elements saves from difficult and painstaking mounting of clamping tools into t-slots. Therefore the Easy-clamping system is a great benefit for your everyday work.



Qcut 250 A 350 A I Brillant 220 230

EASY-CLAMPING BASE M

I for machine tables with T-slots I incl. clamping key



WxHxD 15 x 80 x 200 mm

Order No.: Z2236008

* not suitable for Brillant 220

Direct adaption



- I fast lock vice 50
- I fast lock vice 60
- I fast lock vice 80*
- I clamping system X-Clamp 3858

Matching modules

- I rotatable plate (base for headpieces and rotatable modules)
- I head piece 1 (base for vacuum- and duo sample holder)
- I head piece 2 (base for fast lock vice 50)
- I head piece 3 (intermediate module for rotating plates)
- I head piece 4 (base for fast lock vice 60)

Qcut 250 M 350 A 400 A 500 A 600 A 800 A* I Brillant 230 255

EASY-CLAMPING BASE L

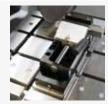
I for machine tables with T-slots I incl. clamping key



WxHxD 20 x 80 x 245mm

Order No.: Z2236011

Direct adaption



- I fast lock vice 60
- I fast lock vice 80
- I adapter for universal vices:
- V-block plate,
- system height adapter,
- guide bar with sliding carriage and V-groove block

Matching modules

- I rotatable plate (base for headpieces and rotatable modules)
- I head piece 1 (base for vacuum- and duo sample holder)
- I head piece 2 (base for fast lock vice 50)
- I head piece 3 (intermediate module for rotating plates)
- I head piece 4 (base for fast lock vice 60)

Qcut 500 A 600 A 800 A

EASY-CLAMPING BASE XL

I for machine tables with T-slots I incl. clamping key



WxHxD 20 x 100 x 400 mm

Direct adaption

- I guide bar with sliding carriage 400 set (base for universal vice Mono 132 and chain clamping vice)
- I universal power clamp 100/380

^{*} only conditionally recommended



EASY-CLAMPING MODULES





The rotatable plate is an intermediate module for angle adjustment with 15°-increments and a precision of 1/2°. The fitting head piece is easily to adapt to the clamping element by a quick holding fixture.



Extension of the pivotal dimension by several rotatable plates



SWIVELING, ROTATING, CLAMPING

Various Easy-clamping modules are a great benefit for your everyday work. The proved fast lock vices combined with the Easy-clamping modules serve as a quick clamping station for a variety of vices and extensions blocks. Changing of configured clamping vices with Easy-clamping bases is as fast than ever.



CLAMPING MODULES XL

Clamping of large components in large machines requires a very firm clamping tool. Therefore, the modules for the Easy-clamping system XL are a particularly strong. They can be built up only with power clamp 100/380 and the guide bar for universal vice Mono 132 and chain clamping vice.



Guide bar with universal vice



Guide bar with chain clamping vice



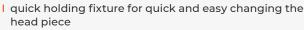
Universal power clamp 100/380



MODULES FOR EASY-CLAMPING BASE M AND L

ROTATABLE PLATE

(M) (L)





I incl. clamping key

Angle precision 1/2° Increments 15°

Order No.: Z2236005



Vacuum-sample holder

MATCHING MODULES



- I Head oiece I (base for vacuum- und Duo-sample holder)
- I Head piece 2 (base for fast lock vice 50)
- I Head piece 3 (intermediate module for rotatable plates)
- I Head piece 4 (base for fast lock vice60)
- I Swiveling prism 60 and 100

HEAD PIECE 1



I base for vacuum-/Duo-sample holder



Duo-sample holder



Order No.: Z2236006





I base for fast lock vice 50 and customized solutions



Fast lock vice 50

HEAD PIECE 3





- I intermediate module with angle 90° for adapting an additional rotatable plate
- I with additional rotatable plate adaption for swiveling unit with fast lock vice 50 and 60



Swivel unit with fast lock vice 50

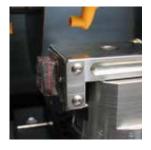
Order No.: Z2236016



MODULES FOR EASY-CLAMPING BASE M AND L HEAD PIECE 4 | base for fast lock vice 60 and customized solutions

Order No.: Z2236025

Swiveling prism I for cylindrical samples Ø 4-20 mm I swivel range adjustable 0-90° Swiveling prism 60 Order No.: Z2236021 Order No.: Z2236023



CLAMPING ELEMENT FOR HEADPIECE 1 - ROTATABLE PLATE VACUUM SAMPLE HOLDER I for object slides and unclampable samples For microscope slide 28 x 48 mm Order No.: Z2236002 Vacuum pump 230 V/50 Hz (1Ph/N/PE) Order No.: Z1304600 110 V/60 Hz (1Ph/N/PE) Order No.: Z1304634







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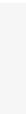




CLAMPING ELEMENT FOR HEADPIECE 3 - 2 ROTATABLE PLATES

SWIVEL UNIT VICE





Base for fast lock vice 50

Base for fast lock vice60 Order No.: Z2236018

Order No.: Z2236017

MODULES FOR EASY-CLAMPING BASE L

SYSTEM-HEIGHT ADAPTER 50







Mounting example

- I multiple mountable
 - I base for fast lock vice 80
 - I extension with V-block plate 40 for universal vices
 - I incl. set of center bolts



Construction height 50 mm

Order No.: Z1304631

V-BLOCK PLATE 40



- I base for universal vices
- I for Easy-clamping base L (please order set of center bolts)
- I also usable without Easy-clamping base, incl. fasteners

40 mm 12 mm



Universal vice Piccolo

Construction height T-slot

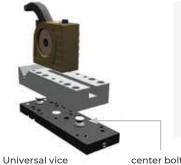
Order No.: Z1304624

ACCESSORIES

SET OF CENTER BOLTS







Mono

center bolts



ACCESSORIES

GUIDE BAR WITH SLIDING CARRIAGE AND V-GROOVE BLOCK





I base for Universal vices Mono

- I for clamping crankshafts, camshafts
- I bar 280 mm, with sliding carriage, V-groove block
- I incl. fasteners for T-slot 12 mm

without Universal vice

Order No.: Z1350001



VERTICAL VICE





- I for clamping of delicate, thin specimens I integrated Easy-clamping base M or L
- I incl. adjustable stop

Vertical Vice single Vertical Vice double







with Easy-clamping base M

Order No.: Z2236009 with Easy-clamping base L

Order No.: Z2236019

with Easy-clamping base M

Order No.: Z2236010 with Easy-clamping base L

Order No.: Z2236020







- I for longitudinal cut of screws
 - I tool mounting with Easy-Clamping Base M (medium)
 - I Easy-Clamping Base M is already completely integrated
 - I for Ø outer thread 4 12 mm
 - I HxWxD 95 x 85 x 200 mm
 - I incl. clamping key

Order No.: Z1304643

Qcut 500 A 600 A 800 A



GUIDE BAR 400 SET



- I base for Universal vices Mono, Duo, chain clamping unit
- I for clamping crankshafts, camshafts
- I bar 400 mm, standard sliding carriage
- I 1x V-groove block 120°
- I 2x slanted resting blocks
- I incl. fasteners for T-slot 12 mm

without Universal vicer

1.72





ACCESSORIES

UNIVERSAL-POWER CLAMPING SYSTEM 100/380





I integrated mechanical-hydraulic power

I with standard clamping jaws plane/grooved, h 34 mm

I incl. fasteners for T-slot nuts 12 mm and hand crank

Clamping width 0-205 mm

Max. clamp force 25 kN

Weight 18.5 kg

WxHxD 100 x 104 x 466 mm

Order No.: Z2234015



UNIVERSAL-POWER CLAMPING SYSTEM 100/540

I integrated mechanical-hydraulic power

I incl. fasteners for T-slot nuts 12 mm



Clamping width 0-365 mm

Max. clamp force 25 kN

Weight 26.3 kg

WxHxD 100 x 104 x 625 mm

Order No.: Z2234016



V-GROOVE JAW



- I horizontal V-groove
- I combinable with flat jaw h 80 mm
- I incl. fixing screws

WxH for clamping round

Ø 10-100 mm

100 x 80 mm

material

Order No.: Z2234018



ANGLE DRIVE

I crank with top operation



Order No.: Z2234019



FLAT JAW/H 80 MM



- I grooved tightening surface
- I for clamping parallel specimens
- I combinable with V-groove jaw
- I incl. fixing screws

WxH 100 x 80 mm



FAST LOCK VICES

Brillant 220

FAST LOCK VICE 50



I with manual force amplification

I incl. accessories

direct adaption head piece 2, swivel unit head piece 2, swivel unit

Clamping range 50 mm

Order No.: Z2270002

I lever left

Jaws WxH 35 x 25 mm T-slot 8 mm

Clamping range 100 mm V-groove jaw

I lever left round materials Ø 1-35 mm

Order No.: 02270011 Order No.: Z2270003

I lever right I lever right

Order No.: Z2270000 Order No.: Z2270001

Qcut 250 A 350 A 400 A I Brillant 220 230 255

FAST LOCK VICE 60



- I with force memory system
- I horizontal fixation of round materials

direct adaption head piece 4, swivel unit head piece 4, swivel unit

60 x 32 mm Jaws WxH HxD54 x 195 mm

Clamping range 120 mm V-groove jaw

I lever left round materials Ø 2-35 mm

Order No.: 02235013 Order No.: Z2235002

I lever right





Qcut 250 M 250 A 350 A 400 A 500 A 600 A 800 A I Brillant 230 255

FAST LOCK VICE 80



- I with force memory system
- I horizontal fixation of round materials

M direct adaption

U L direct adaption

beight adapt 50

Jaws WxH 80 x 35 mm

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Clamping range 100 mm		Clamping range 150 mm		Clamping range 250 mm	
				_	00 A, 500 A, 600 A, Brillant 255
HxD	71 x 203 mm	HxD	71 x 253 mm	HxD	71 x 353 mm
l lever left		l lever left		l lever left	
Order No.: Z22	231001	Order No.:	Z2231002	Order No.:	Z2231020
l lever right		I lever right	t		
Order No.: Z22	231003	Order No.:	Z2231004	Order No.:	Z2231021



V-groove jaw

round materials Ø 2-40 mm Order No.: 02231016

Qcut 250 M 250 A 350 A 400 A 500 A 600 A 800 A I Brillant 230 255

QTOOL 80



- I fast lock vice with force memory function
- I clamping force adjustment High and Low
- I integrated Easy clamping function
- I easy and quick exchange of clamping jaws
- I movable counter jaw
- l ergonomic handle with extension option
- I incl. 2 exchangeable standard clamping jaw

Jaws (W x H) 100 x 40 mm

Clamping range 100 mm		Clamping range 150 mm		Clamping range 250 mm	
HxD	86 x 256 mm	HxD	86 x 303 mm	HxD	86 x 403 mm
Order No.: Z2231200		Order No.: Z2231201		Order No.: Z2231202	





Clamping jaw 70 mm



I dimensions (W x H) 100 x 70 mm

Order No.: 02231212

Prism jaw 40 mm



- I prism jaw for diameters 5 28 mm I dimensions (W x H) 100 x 40 mm
- Order No.: 02231213

Bevelled jaw 40 mm



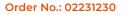
- I clamping jaw for down clamping of round material
- I 5° bevelled clamping surface
- I dimensions (W x H) 100 x 40 mm

Order No.: 02231229

Cross prism jaw 40 mm



- I horizontal 0° and vertical 90° prism for max. diameter: 55 mm
- I dimensions (W x H) 100 x 40 mm



Round bar jaw 70 mm slotted



- I longitudinal prism for max. diameter: 70 mm
- I slotted on both sides
- I dimensions (W x H) 150 x 65 mm

Order No.: 02231231

Prism jaw 70 mm slotted



- I horizontal prisms for maximum diameters: 7 mm, 18 mm, 53 mm
- I slotted on both sides
- I dimensions (W x H) 150 x 65 mm

Order No.: 02231232

Clamping jaw 70 mm slotted



- I slotted on both sides
- I dimensions (W x H) 150 x 65 mm





Qcut 400 A 500 A 600 A 800 A



ROTATING PLATE 2X 60°

I manual rotation of clamping tool

I manual horizontal move on machine table

Clamping range 100 mm Swivel range $+/-60^{\circ}$





CROSS VICES, EXPANSION CLAMPING DEVICE



CROSS VICE

- I especially suitable for samples which contract during cutting process by material tension: the samples are pulled apart by the transversely exciting jaws
- I for parallel clamping of round and rectangular samples, particular for longitudinal cutting through hardened materials
- I excentric clamping arrangement allows rapid changing of samples

Qcut 250 M 250 A 350 A

Brillant 230 255

CROSS VICE 50/100



I counter holder adjustable

WxH 50 x 50 mm Ø max. 60 mm Round materials max. 100 mm Clamping range Incl. accessories T-slot 12 mm

Order No.: Z1340010

CROSS VICE 80/100

Brillant 255*



I counter holder adjustable

WxH 80 x 50 mm Round materials Ø max. 90 mm Clamping range max. 100 mm Incl. accessories T-slot 12 mm

Qcut 400 A 500 A 600 A 800 A

Order No.: Z1340000

* on request

Qcut 500 A 600 A

CROSS VICE 80/150



I counter holder adjustable

WxH 80 x 50 mm Round materials Ø max. 90 mm Clamping range max. 150 mm T-slot 12 mm Incl. accessories

Order No.: Z1340001

Qcut 400 A 500 A 600 A **Brillant 255**

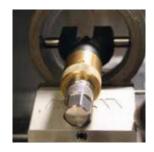
EXPANSION CLAMPING DEVICE



I to release material tension of cylindrical, hollow workpieces

Inner sample-Ø 55-120 mm Adjustment* $\sim 10 \text{ mm}$

* extendable by exchange of cylindrical pins





ANGLE VICES

Qcut 250 A 350 A 400 A 500 A 600 A 800 A Brillant 230 255

ANGLE VICE 60



I vertically centered, stainless

I 2x plain jaws

Sample-Ø max. 60 mm

with V-groove jaw

Clamping range 55 mm

Rotatable 270°

Incl. accessories T-slot 12 mm

Order No.: Z1304001

V-GROOVE JAW

Round materials Ø 10-60 mm

Order No.: 01304008

Qcut 250 A 350 A 400 A 500 A 600 A 800 A Brillant 230 255

ROTATING VICE 60



I horizontally centered, stainless

I 2x plain jaws

Sample-Ø max. 60 mm

with V-groove jaw

Clamping range 55 mm

Swivel range 90°

Incl. accessories T-slot 12 mm

Order No.: Z1304002

V-GROOVE JAW

Round materials Ø 10-60 mm

Order No.: 01304008

Qcut 400 A 500 A 600 A 800 A Brillant 255

ANGLE VICE 80



- I vertically centered, stainless
- I 2x plain jaws

Sample-Ø max. 60 mm

with V-groove jaw

Clamping range 70 mm

Rotatable 270°

Incl. accessories T-slot 12 mm

Order No.: Z1302000

V-GROOVE JAW

Round materials Ø 10-60 mm



CLAMPING SYSTEMS

Qcut 400 A 500 A 600 A 800 A I Brillant 255

BASIC MODULE

UNIVERSAL POWER CLAMPING SYSTEM LC 90



- I easy and safe clamping of various workpieces
- I various clamping jaws available
- I up to 28 kN tension with modest effort through mechanical power transmission
- I adjustable clamping force (11 settings)
- I incl. fasteners for t-slot nuts 12 mm and hand crank

Order No.: Z2234001

ACCESSORIES

CLAMPING JAWS

Carrier jaws LC 90



- I 1 pair, base for V-groove jaw and flat jaw 100
- I easy fastening with just one screw
- I made of high-strength aluminium with ceramic coating

V-groove jaw 100



- I 1 piece, combinable with flat jaw 100
- I rotatable jaw (casehardened steel)
- I jaw size (WxH) 100 x 70 mm
- I two horizontal V-grooves
- I for clamping round material between Ø 10 and 100 mm
- I incl. fixing screw

Order No.: Z2234003 Order No.: Z2234004

Spannbacke glatt 100



- I 1 piece, combinable with flat jaw 100
- I flat tightening surface
- I for clamping parallel specimens





ACCESSORIES

QUICK-CHANGING DEVICE



- 1 pair
- I quick and easy connection of modules by using pull-down-studs
- for fixation of
- step jaw 100
- clamping system X-Clamp 100
- customized clamping solutions

Order No.: Z2234009

STEP JAW 100



- I 1 pair
- I clamping of parallel workpieces
- I application of clamping force via basic module LC 90
- I 180° rotatable
- I use only with quick changing device

Order No.: Z2234008

CLAMPING SYSTEM X-CLAMP 100





- I 1 pair
- I individual and safe clamping of various specimen shapes and sizes with spring suspended stainless steel plungers
- I perfect form fit with minimal effort
- I time-saving
- I use only with quick-changing device
- I incl. torque wrench and fixing screws

Order No.: Z2234002

BASE 90°



- I for installing the basic module LC 90 in side position 90°
- I incl. fixing material for T-slot nut DIN 650 12 mm

Order No.: Z2234006

SUPPORT MODULE



- I 1 piece
- I for supporting long workpieces
- I reducing of vibrations
- I spring suspended plungers fit tightly to the specimen
- I fixation of plungers
- I supplementary fixation of workpiece from above possible with universal vice
- I quick and easy connection of modules by using pulldown studs

Order No.: Z1350023

CUSTOMIZED CLAMPING JAWS





I QATM-service: send us your drawing (DXF or DWG-file) or fotos of your workpiece.

We will design your individually optimized clamping vice.

on request



Qcut 250 M 250 A 350 A I Brillant 220 230

BASIC MODULE

CLAMPING SYSTEM X-CLAMP 3858





I individual and safe clamping of various smaller specimen shapes and sizes with spring suspended stainless steel plungers

- I perfect form fit with minimal effort
- I time-saving
- I incl. torque wrench

Plunger area WxH 23 x 20 mm

Plunger stroke 12 mm Max. clamping width 118 mm

Order No.: Z2234010

M direct adaption

ACCESSORIES

BASE FOR CLAMPING SYSTEM X-CLAMP 3858





I incl. fixing material

I for fixation with T-slot nut 8 mm

Order No.: Z2234012

I incl. fixing material

I for fixation with T-slot nut 12 mm

UNIVERSAL VICES

Qcut 250 M 250 A 350 A I Brillant 220 230

UNIVERSAL VICE PICCOLO 54



L hight adapter 50V-block plate 40

Order No.: Z1350008

I incl. handle

Working radius 54 mm

Clamping height -15-58 mm

Clamping force 6.5 kN

Fixing screws M 8 x 25

T-slot nut M 8 x 12

stainless

suitcase set Universal vice Piccolo 54



- I 2x universal vice Piccolo 54
- I 2x height adapter Piccolo
- I 1x handle Piccolo
- I 1x clamping arm extension
- I 3x standard clamping shoe
- I 1x piece clamping shoe traverse bridge
- I 1x clamping shoe longitudinal bridge
- I 1x clamping shoe traverse V-shoe
- I 1x clamping shoe longitudinal V-shoe
- I 4x T-slot nuts stainless M 8 x 12
- I 4x fixing screws M 8 x 25

Order No.: Z1350010

Universal vice Mono 61

suitcase set

UNIVERSAL VICE PICCOLO 100



Order No.: Z1350012

I incl. handle

Working radius 100 mm

Clamping height -40-90 mm

Clamping force 4.2 kN

Fixing screws M 8 x 25

T-slot nut M 8 x 12

stainless

Ocut 250 M 250 A 350 A 400 A 500 A 600 A 800 A I Brillant 230 255

UNIVERSAL VICE MONO 61



L hight adapter 50, guide bar
 V-block plate 40

Order No.: Z1350002

I incl. handle

Working radius 61 mm

Clamping height -8-102 mm

Clamping force 12 kN

Fixing screws M 10 x 32

T-slot nut M 10 x 12

stainless

UNIVERSAL VICE MONO 132



XL guide bar 400 Order No.: Z1350011

I incl. handle

Working radius 132 mm

Clamping height -43-155 mm

Clamping force 8 kN

Fixing screws M 10 x 32

T-slot nut M 10 x 12

stainless

2x universal vice Mono 61

I 2x height adapter Mono

I 1x handle Mono

I 1x clamping arm extension

I 3x standard clamping shoe

l 1x clamping shoe traverse bridge

I 1x clamping shoe longitudinal bridge

I 1x clamping shoe traverse V-shoe

I 1x clamping shoe longitudinal V-shoe

4x T-slot nuts stainless M 8 x 12

1 4x fixing screws M 8 x 25

Order No.: Z1350004



Ocut 250 M 250 A 350 A 400 A 500 A 600 A 800 A I Brillant 230 255

UNIVERSAL VICE DUO



I for clamping and lifting
I with 2 changeable clamping arms

I incl. handle

Working radius 46-91 mm

Clamping height 0-129 mm

Lifting height 4-142 mm

Clamping force 11 kN

Fixing screw M 10 x 32

T-slot nut stainless M 10 x 12

e XL guide bar 400

Order No.: Z1350005

CHAIN CLAMPING VICE



- I for clamping of big parts
- I 1x universal vice Mono
- I 1x chain (length 1m)
- I 1x hooking block for chain

Clamping force 16 kN

Fixing screw M 10 x 32

Fixing screw DIN 912 M 10 x 25

2x T-slot nut stainless M 10 x 12

e XL guide bar 400

Order No.: Z1350006

ACCESSORIES

CLAMPING SHOES

I for all universal vices



Longitudinal V-shoe
Order No.: 92005796



Traverse V-shoe

Order No.: 92005797



Longitudinal bridge
Order No.: 92005799



Traverse bridge

Order No.: 92005800



Standard clamping shoe
Order No.: 92005798

FIXATION

Fixing screw

I for universal vice Piccolo



M 6 x 25

Order No.: Z1304591

M 8 x 25

Order No.: 95003169

M 10 x 25

Order No.: 95003170

I for universal vice Mono, Duo, chain clamping system

M 10 x 32

Order No.: 95003168

T-slot nut stainless*



M 6 x 8

Order No.: 91001157

M 8 x 10

Order No.: 91001161

M 8 x 12

Order No.: 91001159

M 10 x 12

^{*} other sizes on request

UNIVERSAL VICES



ACCESSORIES

HEIGHT ADAPTER PICCOLO



Construction height	60 mm
Fixing screw	M 8 x 25
T-slot nut, stainless	M 8 x 12

Order No.: Z1350007

HÖHENUNTERSATZ MONO



Construction height	74 mm
Fixing screw	M 10 x 32
T-slot nut, stainless	M 10 x 12

Order No.: Z1350003

CLAMPING ARM EXTENSION



I for Piccolo 54 and Mono 61 Extension 90 mm Clamping Standard shoe

Order No.: 95003172

PAIR OF V-BLOCKS



Angle	90°
for samples	Ø 5-50 mm
DxW	50 x 150 mm

Order No.: 92005805

CUSTOMIZED CLAMPING TOOLS

Different types of tasks and conditions constitute diverse demands on clamping tools and cutting equipment. The construction of our machines gives us the opportunity to design and manufacture custommade solutions for special dimensions. QATM has already successfully developed special clamping tools for complicated cutting movements or geometries.



Guide bar 400 Set