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FORZA



WORKSHOP



TOOLS



VICES AND CLAMPING:

Designed by FORZA for more than 50 years.

Specially designed vises for drilling and tapping machines.

They are also very useful in small machining operations.

We also have a wide range of vises for milling machines and machining centers.

VICES AND CLAMPINGS

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MASTER SERIE 33M

33M



Professional vice for any drilling and threading operations.

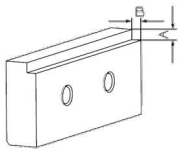
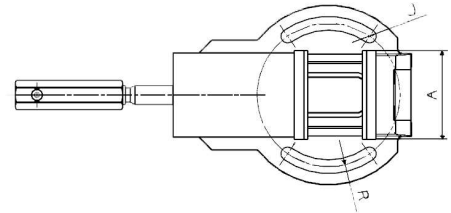
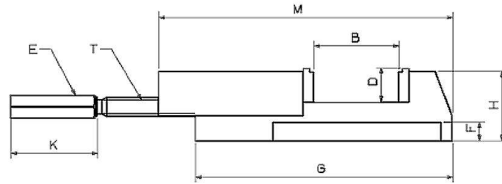


Bullet points

- Supplied with hardened stepped jaws.
- Protected spindle that prevents damage.
- Grooved chanel for making the clamping easier.
- No clamps needed..



Construida en fundición nodular



Ref.	A	B	H (Height)	X	D	E	Lenght	Clamps	⚖️
33/65M	65	76	49	3	26	19	207	-	2,8
33/85M	85	90	54	3	26	22	242	-	4,8
33/100M	105	116	66	4	32	24	310	12560	9,0
33/125M	125	157	83	4,5	42	27	395	12560	16,2
33/150M	150	190	95	6	52	27	470	12560	25,2

PROFESSIONAL 33P SERIE

33P



Professional vice for any drilling and threading operations.

It includes: clamping rod, set of prismatic jaws, set of soft jaws and 2 T nuts 12/14 and 16/18.

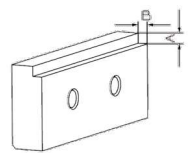


Bullet points

- Supplied with hardened stepped jaws.
- Protected spindle that prevents damage.
- Grooved chanel for making the clamping easier.
- No clamps needed.



Construida en fundición nodular



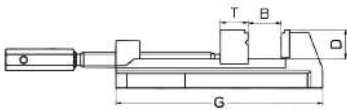
Ref.	A	B	H (Height)	X	D	E	Lenght	Clamps	⚖️
33/85P	85	90	54	3	26	22	242	-	5,8
33/100P	125	116	66	4	32	24	310	12560	10,3
33/125P	125	157	83	4,5	42	27	395	12560	18,2

SERIE 82 ECONOMY

82



Construida en fundición nodular




Light vice for any type of drilling and threading work. It contains the same parts as the serie 33 except for the jaw holder and the movable jaw. It is a monoblock piece.



Bullet points

- Grooved channel for making the clamping easier.
- No clamps needed.
- Clamping block with two 90 degrees prisms and with a step.
- It is possible to use swivel base (optional).

Ref.	To	B	D	G	T	X	
82/85	85	95	25,5	188	25	3	4,0
82/100	100	105	31,5	241	40	4	8,5
82/125	125	116	41,5	300	40	4,5	14,7
82/150	150	160	52,5	345	40	6	19,6

SERIE 28 DRILLING MACHINE VICE

28




Suitable vice for drilling and threading big pieces.



Bullet points

- Spindle protected to avoid damage.
- The rotating handle avoids colliding with any obstacle: milling T table, etc.
- Tempered steel body for greater resistance and aluminum jaw holder and clamping block.

Ref.	A	B	Width	C	D	Height	
28A150	403	150	160	150	70	120	28,5

SWIVEL BASE FOR 28A150

B28150



Swivel base for drilling vices 28A150.

Ref.	Base height	External Diameter	
B28150	25,5	275	11,0



SERIE 38 QUICK CLAMP VICE

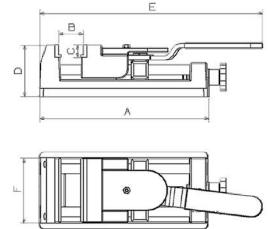
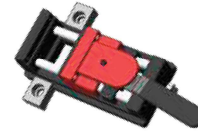
38

Quick clamping vice for drilling, threading and light milling works for mass production.



Bullet points

- It allows to clamp and release the part in tenths of second.
- Each vise is supplied with stepped jaws and two sets of soft jaws.



Ref.	A	B	C	D	E	F	Clamps	⚖️
38/80	230	80	20	75	385	80	12561	7,0
38/103	275	90	20	85	420	103	12561	10,5
38/125	400	125	30	105	555	125	15061	25,0

37 SERIE SELF CENTERING VICES

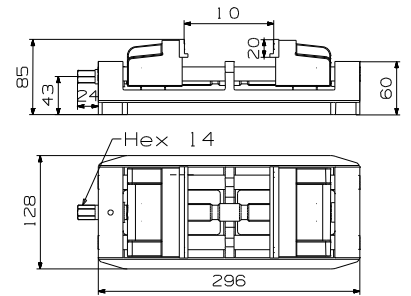
37

Selfcentering drilling vice for drilling, threading and light milling.



Bullet points

- It fastens the center of the piece.
- Swivel base could optionally be used.
- 2 sets of soft jaws included.
- Supplied with stepped jaws.



Ref.	Adjustment	⚙️	Height	Mouth	Apertura	⚖️
37/103	Handle	-	85	103	110	11,9
37/103B	Handle	3710398	85	103	110	17,5
37/103BP	Knob	3710398	85	103	110	16,7
37/103P	Knob	-	85	103	110	11,6



SWIVEL BASES FOR SERIE 33

Swivel base for drilling vices for 33 and 82 serie.
They can be used as two jaw chuck in lathe machines.



Ref.	Clamps		
336598	336560	33/65	2,2
338598	336560	33/85 - 82/85	2,9
3310098	12560	33/100 - 82/100	6,0
3312598	12560	33/125 - 82/125	8,7
3315098	12560	33/150 - 82/150	9,5

PINS FOR SERIE 33

clamping rod for drilling vices for 33 and 82 serie.



Ref.		
336509	33/65	0,1
111893	Others	0,1

SET SOFT JAWS SERIE 33

Soft jaws set por drilling vices for serie 33.



Ref.		
336550	33/65	0,3
338550	33/85	0,4
3310050	33/100	0,6
3312550	33/125	0,9
3315050	33/150	1,9

NORMAL SET JAWS SERIE 33

Normal set of stepped jaws for drilling vices for serie 33.





Ref.	Step		
336514	3	33/65	0,1
338514	3	33/85	0,2
3310014	4	33/100	0,3
3312514	4,5	33/125	0,4
3315014	6	33/150	0,9



SET PRISMATIC JAWS WITH STEP SERIE 33

Prismatic stepped jaws for drilling vices for serie 33.




Ref.	Step		
336551	3	33/65	0,2
338551	3	33/85	0,4
3310051	4	33/100	0,5
3312551	4,5	33/125	0,8
3315051	6	33/150	1,7

T NUT SERIE 33

T nuts for drilling vices for 33 and 82 serie.

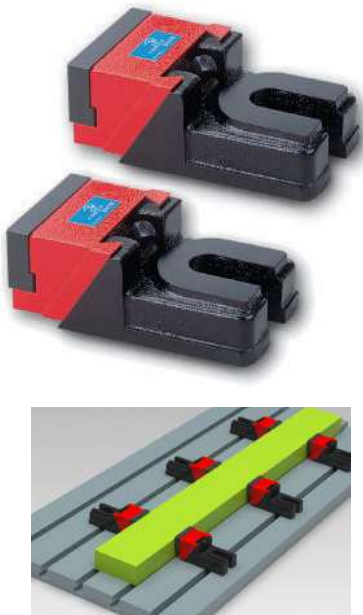


Ref.	Canal	M	
33121408	for 12-14	M8	0,1
33161808	for 16-18	M8	0,1
33121410	for 12 -14	M10	0,1
33161810	for 16 -18	M10	0,1
33161814	for 16 - 18	M14	0,1
33202214	for 20-22	M14	0,1



STANDARD VICES SERIE 34

34

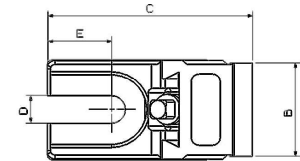
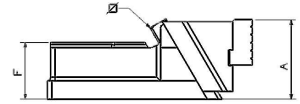


Vice for special works such as long pieces, dies and other specific clamping needs.
It is supplied in sets of 2 units plus a wrench.



Bullet points

- Lathe machine wrench for a better clamping.
- The descending effect avoids any lift up of the piece.



Ref.	A	B	C	D	E	F		
34/60	52-60	62	138	19	42	34	12	4,2
34/62	82-92	62	175	19	74	57	12	8,0
34/79	66-78	82	170	24	53	45	12	9,2
34/112	90-105	115	240	31	84	65	17	26,5

INDIVIDUAL STANDARD VICES SERIE 34

346000



Descending effect vice, supplied individually.
The vice separately does not include the wrench.



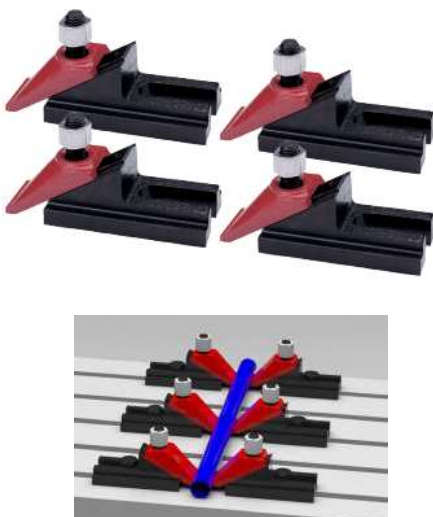
Bullet points

- Lathe machine wrench for a better clamping.
- The descending effect avoids any lift up of the piece.

Ref.	A	B	C	D	E	F		
346000	52-60	62	138	19	42	34	12	2,0
346200	82-92	62	175	19	74	57	12	3,9
347900	66-78	82	170	24	53	45	12	4,5
3411200	90-105	115	240	31	84	65	17	12,3

DOWNSLIDING VICES SERIE 35

35

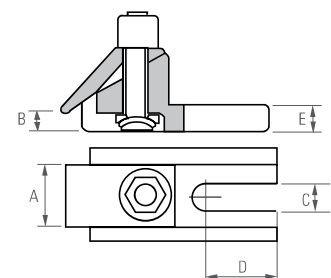


Designed vices for clamping thin or round pieces in milling or drilling machines.
Descending effect vice supplied in sets of 4 units/each.



Bullet points

- The descending effect avoids any lift up of the piece.
- Specifically designed for clamping big sizes sheets in different machines.



Ref.	A	B	C	D	E	
35/45	45	0-13	20	60	23	6,4

INDIVIDUAL SLIDING VICES

354000




Designed vices for clamping thin or round pieces in milling or drilling machines.

Bullet points

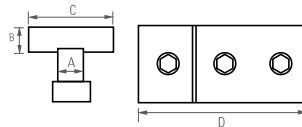
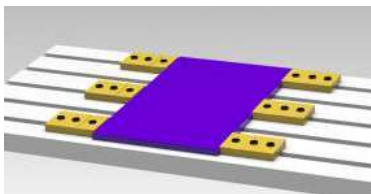
- The descending effect avoids any lift up of the piece.
- Specifically designed for clamping big sizes sheets in different machines.



Ref.	To	B	C	D	E	
354500	45	0-13	20	60	23	1,6

PLAIN VICES SERIE 36

36




Plain vice for clamping very low height pieces. Specifically designed for clamping large metal sheets in machines. Low T-support for the movable jaw holder.

Bullet points

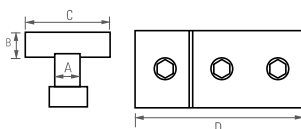
- The oscillating jaw allows to fasten very small height pieces.



Ref.	A	B	C	D	
36/60	15,5	12	60	75	2,3
36/64	17,5	15	60	105	4,0
36/65	19,5	15	60	105	4,3
36/66	21,5	15	60	105	4,6
36/78	17,5	15	80	125	8,1
36/79	19,5	15	80	125	7,2
36/80	21,5	15	80	125	7,1

INDIVIDUAL PLAIN VICES SERIE 36

366000




Plain vice for clamping very low height pieces. Specifically designed for clamping large metal sheets in machines.

Bullet points

- The oscillating jaw allows to fasten very small height pieces.



Ref.	A	B	C	D	
366000	15.5	12	60	75	0,6
366400	17.5	15	60	105	0,9
366500	19.5	15	60	105	1,0
366600	21.5	15	60	105	1,1
367800	17.5	15	80	125	1,9
367900	19.5	15	80	125	1,8
368000	21.5	15	80	125	1,8



T SLOT VICES SERIE 37

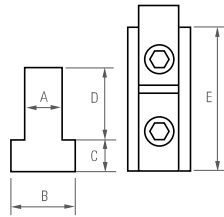
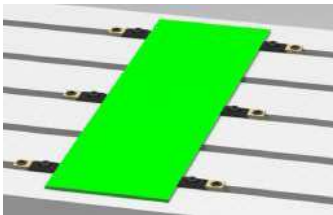
37 CANAL



Vices for clamping extremely thin parts.

Bullet points

- The jaw is practically hidden in the channel of the machine.
- The T slot vices are supplied in sets of 4 units each.



Ref.	A	B	C	D	E	⚖️
37/12	11,5	20	8	16	28	0,4
37/14	13,5	23	9	18	40	0,6
37/16	15,5	26	10	21	45	0,8
37/18	17,5	29	11	24	45	1,0
37/20	19,5	33	13	26	50	1,5
37/22	21,5	35	14	29	53	1,7

INDIVIDUAL T SLOT VICES SERIE 37

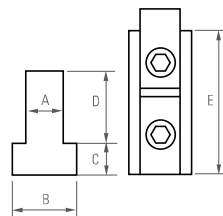
37120000



Vices for clamping extremely thin parts.

Bullet points

- The jaw is practically hidden in the channel of the machine.



Ref.	A	B	E	C	D	⚖️
371200	11,5	20	8	16	28	0,1
371400	13,5	23	9	18	40	0,1
371600	15,5	26	10	21	45	0,2
371800	17,5	29	11	24	45	0,3
372000	19,5	33	13	26	50	0,4
372200	21,5	35	14	29	53	0,4

ARCHED CLAMPS

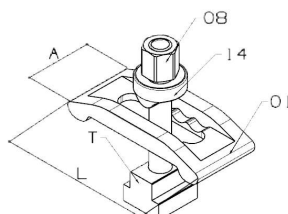
39



Suitable clamps for clamping tooling and molds.

Bullet points

- Clamp, that due to the deising of the vice body and nut-shaped washer, does not need to work in horizontal position, and can also be assembled bended.
- Its design allows the use of lifting blocks of different sizes than the piece and it is perfect for placing toolings and dies.



Ref.	L (Length)	A	T	⚖️
39/56	123	56	18	1,0
39/57	123	56	20	1,1
39/58	123	56	22	1,2
39/59	123	56	24	1,2
39/70	160	70	22	1,9
39/71	160	70	24	2,1
39/72	160	70	28	2,2





BENCH VICES SERIE 88

88



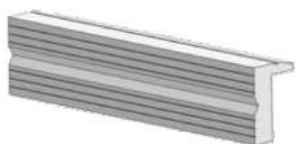
Manufactured in forged steel.
Steel hardness 45-51 HRC.
Square guide.
Tempered steel hardened jaws.
Induction tempered anvil base.



Ref.	Height	Height	Anvil	
88/100N	100	65	35x40	6,4
88/125N	125	80	53x70	11,8
88/150N	200	100	66x80	19,0

SLOTTED ALUMINIUM JAWS

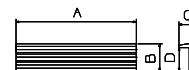
Magnetized aluminium jaws. They protect the pieces while working.



Bullet points

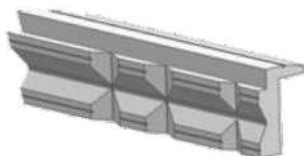
- Very easy to place.

Ref.	A	B	C	D	
8810051	102	29	20	25	0,1
8812551	128	29	20	25	0,2
8815051	153	29	20	25	0,2



PRISMATIC ALUMINIUM JAWS

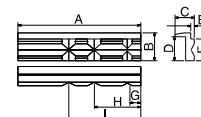
Magnetized aluminium jaws. They protect the pieces while working.



Bullet points

- Very easy to place.
- With V and stepped.

Ref.	A	B	C	D	E	F	G	H	
8810052	102	29	20	25	3	22	14	48	0,1
8812552	128	29	20	25	3	22	14	48	0,2
8815052	153	29	20	25	3	22	14	48	0,2



SPECIAL PLASTIC JAWS

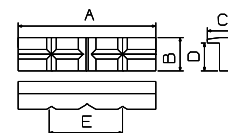
Plastic jaws. They protect the pieces while working.

Bullet points

- Very easy to place.
- With V and different positions.



Ref.	A	B	C	E	D	
8810053	100	30	25	49	25	0,1
8812553	124	30	25	49	25	0,2
8815053	148	30	25	64	25	0,2



PLASTIC JAWS

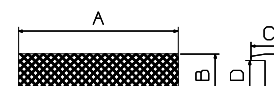
Plastic jaws. They protect the pieces while working.

Bullet points

- Very easy to place.
- Knurled surface for improving the clamping.



Ref.	A	B	C	D	
8810054	123	30	25	25	0,1
8812554	100	30	25	25	0,2
8815054	148	30	25	25	0,2

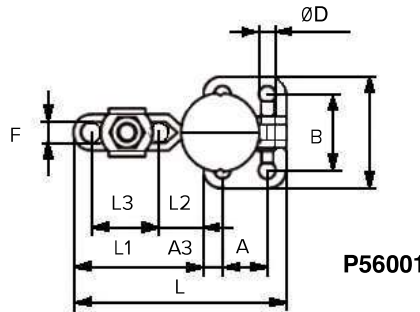




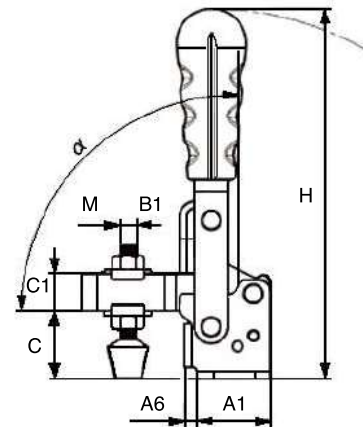
QUICK VERTICAL TOGGLE CLAMPS

P560010

Quick clamping for tooling.
The handle rotates 90 degrees.
Vertical clamping.

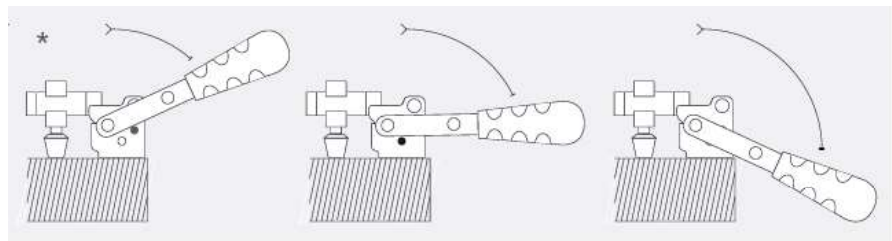


P56001



Other models

Lever travel according to pin position



*for all models except P56001

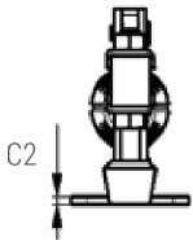
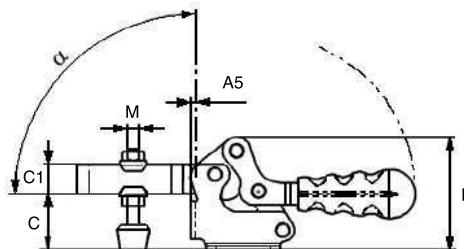
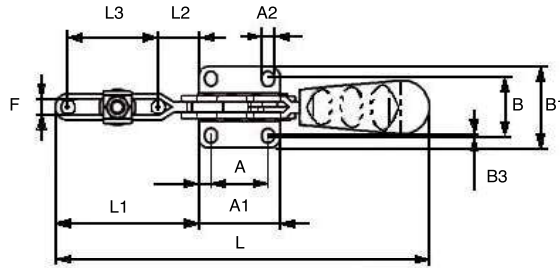
Ref.	Maximum strength	Degrees	To	A1	A3	A6	B	B1	C	C1	C2	D	F	H	L	L1	L3	
P56001	450N-45kg	67.40	16	26	5	-	23,4	33,4	19	8	2	4,4	5	77	50,4	24,4	16,4	0,1
P56002	1500N-150kg	93	12,7	27	7	-	26,9	37,9	23	11	3	5,1	6	111	70	42,9	21,5	0,2
P56003	2500N-250kg	90.40	19	35	8	5,5	32	47	32	17,5	3,2	7,1	8,9	175	90	55	28	0,4
P56004	3400N-340kg	90	32	50	9	10	45	64	42	22	4	8,3	10,6	218	143	92,8	60,5	0,8
P56005	3600N-360kg	101	32	50,8	9,5	12,2	45	64	50,8	22,5	3	8,6	13,4	224	176	125	82,5	1,1




QUICK HORIZONTAL TOGGLE CLAMPS

P560500

Quick clamping for tooling.
The handle rotates 90 degrees.
Vertical clamping.

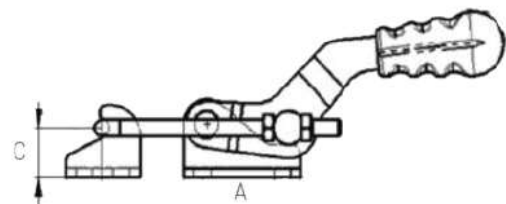
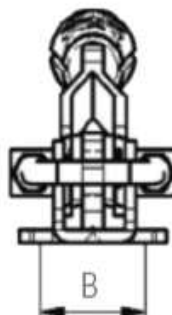



Ref.	Maximum strength	Length	Degrees	A	B	C	
P56050	380N-38kg	68	87	11,1	19	7,4	0,1
P56051	700N-70kg	105	94	13,5	19	19	0,1
P56052	900N-90kg	162	96	26	28	25	0,2
P56053	2200N-220kg	189	95	26	31	34	0,4
P56054	3400N-340kg	269	95	41,2	43	45	0,9

QUICK CLAMP HOOK

P56201

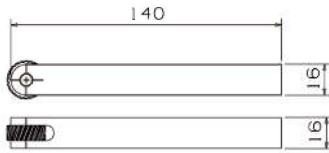
Quick clamping for tooling.
The handle rotates 90 degrees.
Vertical clamping.



Ref.	To	B	C	
P56201	19	32	14	0,3

KNURLING TOOLS M1

M1



1 mm helicoidal knurl included.

Bullet points

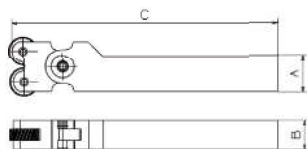
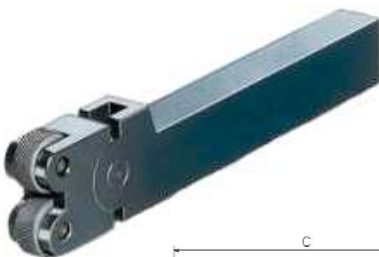
- Specifically for straight knurling on small lathe machines.
- It is possible to reach quite close to the lathe machine plate.



Ref.	A	B	C	
M1/8	16	16	140	0,4

KNURLING TOOLS M2

M2




1mm helicoidal knurl set included.

The head's turn allows to align the knurl to the working piece. Either straight or cross knurling are possible.

Bullet points

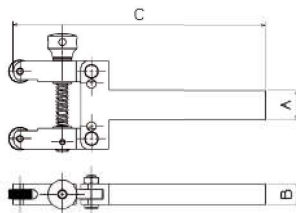
- For knurling parts where the slimness of the part allows to do it.



Ref.	A	B	C	
M2/20	25	20	185	0,8
MF2/20	19,5	20	185	0,8

KNURLING TOOLS M20

ME20



1mm helicoidal knurl set included.

Spindle for making pressure over the knurling. Either straight or cross knurling are possible.

Bullet points

- For knurling parts where the slimness does not allow pushing with the knurl.



Ref.	A	B	C	
ME20/50	25	18	210	1,1



HSS KNURLS


MA

HSS 8% Co knurls.
Supplied in sets of 2 units.
Diameter of the knurls 20mm and diameter of the hole of the knurl 6mm.



Bullet points

- It can knurl steel up to 125kg/mm².

Ref.	Knurl type	Knurl width	Pitch	
0,6	Straight	8	0,6	0,1
1,00	Straight	8	1	0,1
1,25	Straight	8	1,25	0,1
1,50	Straight	8	1,5	0,1
1,75	Straight	8	1,75	0,1
0,6H	Helicoidals set	8	0,6	0,1
0,6R	Straights set	8	0,6	0,1
1H	Helicoidals set	8	1	0,1
1R	Straights set	8	1	0,1
1,25H	Helicoidals set	8	1,25	0,1
1,25R	Straights set	8	1,25	0,1
1,50H	Helicoidals set	8	1,5	0,1
1,50R	Straights set	8	1,5	0,1
1,75H	Helicoidals set	8	1,75	0,1
1,75R	Straights set	8	1,75	0,1

TOOL HOLDERS SERIE 400


400

Toolholders with blades and hard metal chip included.

Bullet points

- It is very easy to sharpen the blade.



Ref.	A	B	C	Blade	
410	22	24	160	10x8x45	0,8
412	28	32	180	12x10x55	1,6

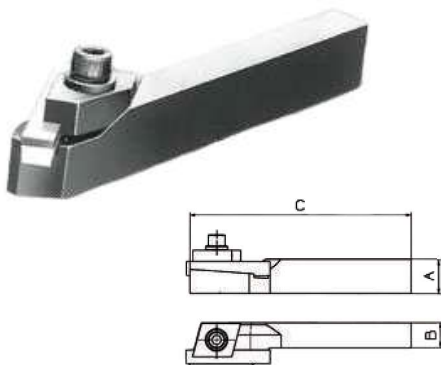
TOOL HOLDERS SERIE 500


500

Toolholders for rolling and countereng.
Angled blade position.
Angle of incidence 4 degrees.
Blades not included.

Bullet points

- There is no need to do "an exit" to the blade.



Ref.	A	B	C	Blade	
508D	20	14	125	6-8	0,3
508I	20	14	125	6-8	0,3
510D	24	18	155	8-10	0,6
510I	24	18	155	8-10	0,6
512D	30	24	180	10-12	1,1
512I	30	24	180	10-12	1,1

TOOL HOLDERS SERIE 600

600

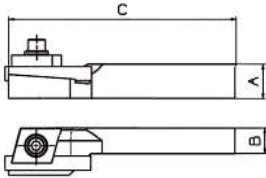



Toolholders for rolling and counterering.
Straight blade position.
Angle of incidence 4 degrees.
Blades not included.



Bullet points

- There is no need to do "an exit" to the blade.



Ref.	A	B	C	Blade	
608D	19	13,5	126	6-8	0,3
608I	19	13,5	126	6-8	0,3
610D	24	18	155	8-10	0,6
610I	24	18	155	8-10	0,6
612D	30	24	180	10-12	1,2
612I	30	24	180	10-12	1,2

CUT OFF TOOL HOLDER SERIE 700

700

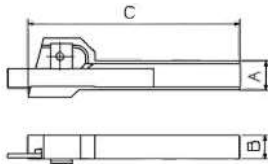



Toolholder with cutting blade.
Allows great use of the blade.
Blades not included.



Bullet points

- Straight attack for rigid lathe machines.



Ref.	A	B	C	Blade	
701T	19,5	15	153	2,5x15-2x13	0,4
702T	26	13	153	2,5x15-2x13	0,4
703T	35	16	178	3,5x19-4x22	1,0

INTERNAL TOOL HOLDERS

800M

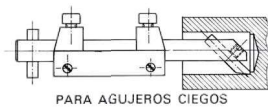



Equipped with two HSS high-speed steel blades.
For blind holes, through and thread.



Bullet points

- Inside boring.



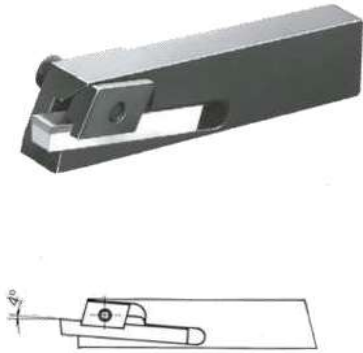
Ref.	A diameter	B	Blade diameter	
809M	9	115	4	0,3
815M	15	170	8	0,6
818M	18	220	8	1,1
822M	22	260	10	1,8
826M	26	285	10	2,5
830M	30	330	12	3,5



TOOL HOLDERS SERIE 900


900

Toolholders for turning and facing.
Blades not included.



Bullet points

- There is no need to wedge while looking for the center. Just take out the blades.

Ref.	A	B	C	Blade	
906RD	25	14	130	6-8	0,3
906RI	25	14	130	6-8	0,3
908RD	32	18	155	8-10	0,6
908RI	32	18	155	8-10	0,6
910RD	38	22	250	10-12	1,5
910RI	38	22	250	10-12	1,5

CUT OFF SERIE CC


CCN1

Toolholders for turning and facing.
Blades not included.



Bullet points

- There is no need to do "an exit" to the blade.

Ref.	A	B	C	Blade	
CCN1	17,5	16	158	2,5x15-2x13	0,6

SERIE L10

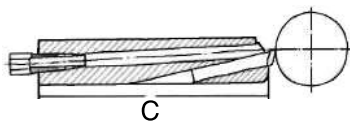
L10


For lathe and filing machine.
The clamping of the blade is very safe.
Blades not included.



Bullet points

- There is no need to wedge while looking for the center. Just take out the blades.



Ref.	A	B	C	Blade	
L10	18	34	175	10	0,8

CYLINDER AND FILING TOOL HOLDERS

L3000




Specific tool holder for lathes.
Blades are not included.



Bullet points

- It can work either clockwise or anticlockwise.
- I can rough down and finish at the same time.

Ref.	A	B	C	Blade	
L300	12	24	195	8	0,9
L500	20	28	210	10	1,3

TURNING AND FACING TOOL HOLDERS

TN




Lathe toolholder with steel chip breaker.
Blades are not included.



Bullet points

- The blade does not need an exit.
- There is no need to wedge while looking for the center.

Ref.	A	B	C	Blade	
TN1	19	16	195	8	0,5
TN2	24	18	200	10	1,0
TN3	26	29	235	12	2,1

TOOL HOLDERS SERIE WN

WN20




Toolholder for rolling with wide chip breaker.
Blades are not included.



Bullet points

- There is no need to do "an exit" to the blade.

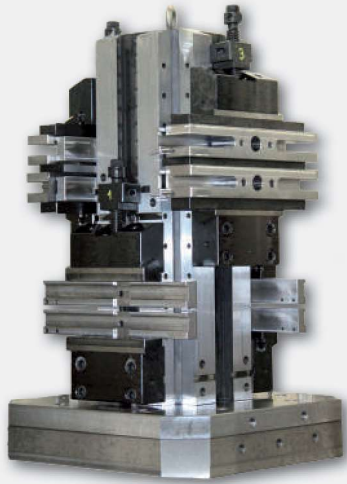
Ref.	A	B	C	Blade	
WN2	24	18	200	10	1,1
WN3	26	29	235	12	2,1

We have a catalog of machine vices

Machine Vices and Milling Heads

- Integrated clamping vice towers
 - Descending machine vices
 - Guides machine vices
- Machine vices for large pieces
 - 5 axis machine vices
 - Vices for cubes
- Grinding machine vices
 - Internal milling heads





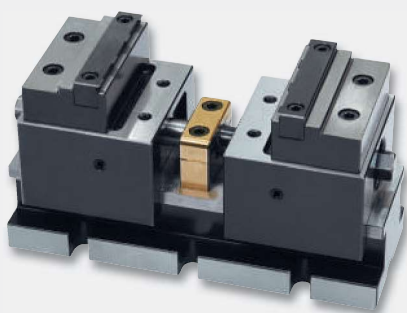
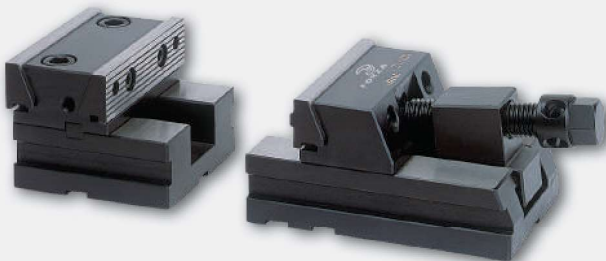
Tombstones

- A specific and inexpensive tooling that allows you to leave it stopped when you are not manufacturing parts and assemble it in minutes when needed.
- We manufacture towers of machine vices to the size you need.
- We look for specific tooling (cheaper), we avoid universal tooling (much more expensive).
- We have incredibly reduced lead times and prices to manufacture custom tooling. We carry out the tooling study completely free of charge. We include the sending of the designs in 3D files.



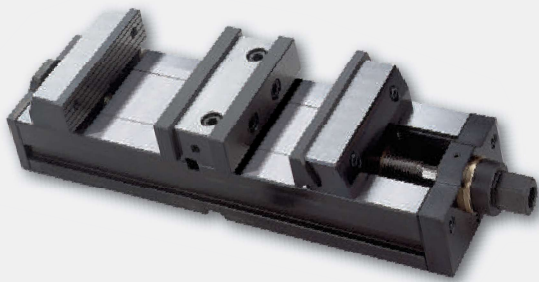
Descending machine vices

- Different series depending on the required precision:
- Series 30, Guided, oscillating, Vices for cubes, split vices, self-centering, double vices and vices for making squares.
 - Manufactured in hardened steel. F155.
 - Interchangeable locks: mechanical, hydraulic, torque multipliers and oil pneumatic.
 - Jaw width from 100 to 300 mm.
 - Vices openings from 100 to 600 mm.
 - Main accessories: extensions, lifting blocks, clamps, key nuts, work stops, swivel base, parallel, prismatic jaws, soft. jaws, etc.



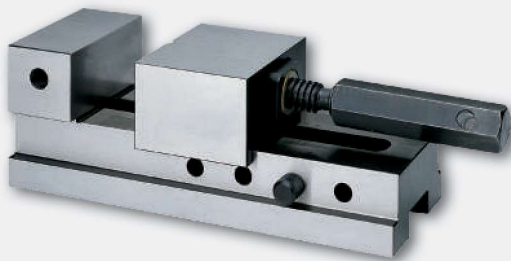
5 axes machine vices

- Latest generation of vices for this type of machines.
- Carriages with two anchoring positions to the jaw holder.
 - Reversible jaw holder.
 - Spindles with trapezoidal thread.
- Reversible jaws: Flat on one side and indented on the other side.
 - Made of hardened steel. F155.



Double position vices

- Double vices transformable into self-centering vices.
 - Double vices with two spindles.
 - Aluminum machined jaw holders.
- Lower positioning spindle for greater jaw capacity.



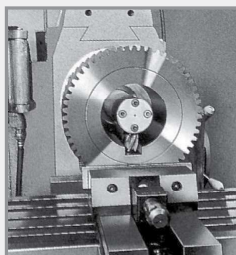
Grinding machine vices

- High precision grinding machine vices with high precision on any of their faces.
 - Sinus and multi-angular vices.
- We also have conventional vices for milling machines, threading machines and other machines.



Milling heads

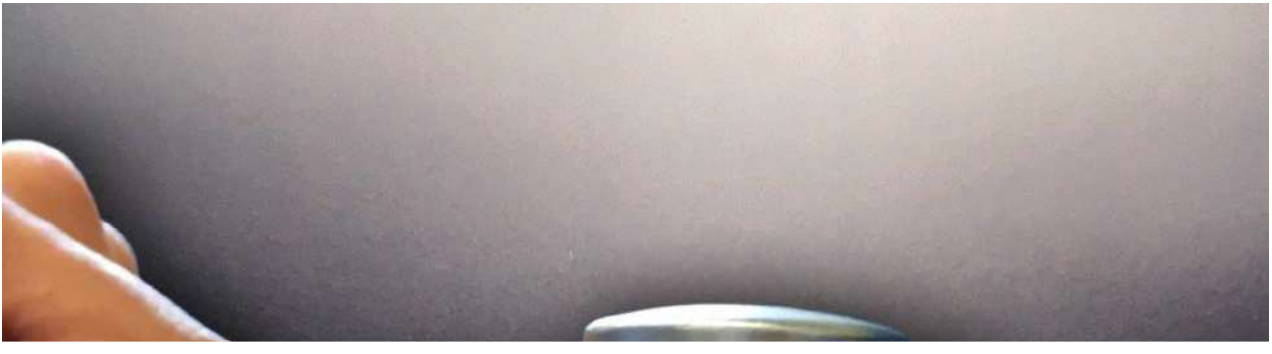
- Internal milling head.
 - For milling works inside parts.
- It replaces broaching and mortising works.
 - 5 different sizes.
- Milling head extensions.
- Suitable for working with milling cutters, keyways and threaded cutters.



50 years of experience in
the manufacture of machine
vices and milling heads.

Consult our catalog at

www.forza.es



FORZA

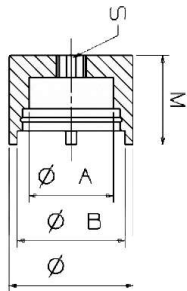
SHORT SPANNERS **96100C**


Wrenches designed to remove crenellated Km nuts without damaging them.



Bullet points

- They practically have the same diameter as the nuts.



Ref.	KM	ØA	ØB	ØC	M	Square Drive	
961011	1	12	18	22	30	Hex18	0,1
961021	2	12	21	25	35	Hex20	0,1
961031	3	18	25	28	40	1/2"	0,1
961041	4	18	28,5	34	40	1/2"	0,2
961051	5	24	34,5	40	40	1/2"	0,2
961061	6	31	42	47	40	1/2"	0,3
961071	7	36	49	54	40	1/2"	0,4
961081	8	42	54	60	40	1/2"	0,4
961091	9	47	58	67	40	1/2"	0,6
961101	10	52	65	72	40	1/2"	0,6
961111	11	57	70,5	77	50	3/4"	0,8
961121	12	62	76	82	50	3/4"	0,9
961131	13	67	80	87	50	3/4"	1,3
961141	14	74	86	94	50	3/4"	1,5
961151	15	80	89	102	80	1"	2,5
961161	16	87	98	109	80	1"	2,8
961171	17	92	104	114	80	1"	3,0
961181	18	102	114	124	80	1"	3,5
961191	19	107	119	129	80	1"	3,8
961201	20	112	121	136	80	1"	4,2
961211	21	122	133	146	80	1"	4,7
961231	23	132	141	156	80	1"	5,4
961241	24	137	146	161	80	1"	5,7
961301	30	177	186	201	90	1"	9,5

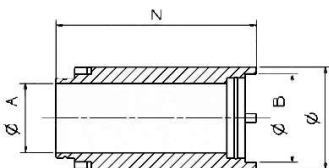
EXTENSION FOR SPANNERS **96100P**


KM removal wrench extension for enlarge the wrench length.



Bullet points

- They practically have the same diameter as the nut.
- It allows extracting in deep and lack of space applications thanks to an extension..



Ref.	KM	ØA	ØB	ØC	N	
961042	4	18	28,5	34	100	0,4
961052	5	24	35	40	100	0,5
961062	6	31	42	47	100	0,7
961072	7	36	49	54	100	0,9
961082	8	52	54	60	100	1,1
961092	9	47	58	67	110	1,3
961102	10	52	65	72	110	1,4
961112	11	57	70,5	77	110	1,6
961122	12	62	76	82	110	1,7
961132	13	67	80	87	120	2,0
961142	14	74	86	94	120	2,2



COMPLETE SPANNERS

96101

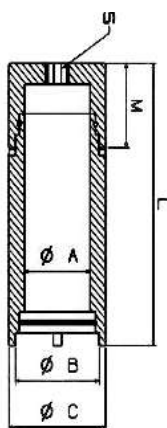


Wrenches designed to remove crenellated Km nuts without damaging them. It includes the short length removal wrench and the extension.



Bullet points

- They practically have the same diameter as the nut.
- It allows extracting in deep and lack of space applications thanks to the length of the extension..



Ref.	KM	ØA	ØB	ØC	L	M	N	Square Drive	⚖️
96104	4	18	28,5	34	124	40	100	1/2"	0,6
96105	5	24	34,5	40	124	40	100	1/2"	0,8
96106	6	31	41,5	47	134	40	100	1/2"	1,0
96107	7	36	48,5	54	134	40	100	1/2"	1,2
96108	8	42	53,5	60	134	40	100	1/2"	1,5
96109	9	47	58	67	144	40	110	1/2"	1,9
96110	10	52	65	72	144	40	40	1/2"	2,1
96111	11	57	70,5	77	144	50	110	3/4"	2,5
96112	12	62	76	82	144	50	110	3/4"	2,6
96113	13	67	80	87	153	50	120	3/4"	3,3
96114	14	74	86	94	153	50	120	3/4"	3,6

KM LOCK NUTS REMOVAL WRENCH EXHIBITOR

96700



Showroom metal display.

Bullet points

- They practically have the same diameter as the nut.
- It allows extracting in deep and lack of space applications thanks to an extension.



Ref.	Short spanner	Spanner and extension	Suitcase	⚖️
96700A	961081, 961091 and 961101	96104, 96105, 96106 and 96107	-	6,0
96700M	961081, 961091 and 961101	96104, 96105, 96106 and 96107	96800	29,0

DO YOU KNOW HOW TO USE KM NUT REMOVAL WRENCHES?








96800 SHORT KM SPANNER SET

96800



Cases with a complete range of KM lock nut removal wrenches. High quality plastic case.

Bullet points

- They practically have the same diameter as the nut.



Ref.	Contains	⚖️
96800	KM4 to KM10	3,0

96801 COMPLETE KM SPANNER SET

96801



Case with a complete range of KM lock nut removal wrenches. High quality plastic case.

Bullet points

- They practically have the same diameter as the nut.
- It allows extracting in deep and lack of space applications thanks to the length of the extension.



Ref.	Contains	⚖️
96801	KM4 to KM7 completes	4,0

96802 COMPLETE KM SPANNER SET

96802



Case with a complete range of KM lock nut removal wrenches. High quality plastic case.

Bullet points

- They practically have the same diameter as the nut.
- It allows extracting in deep and lack of space applications thanks to the length of the extension.



Ref.	Contains	⚖️
96802	KM4 to KM10 completes	5,0