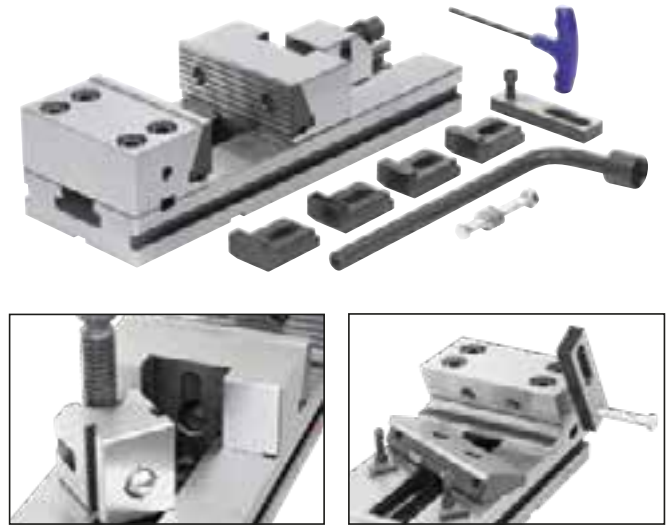
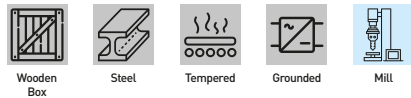
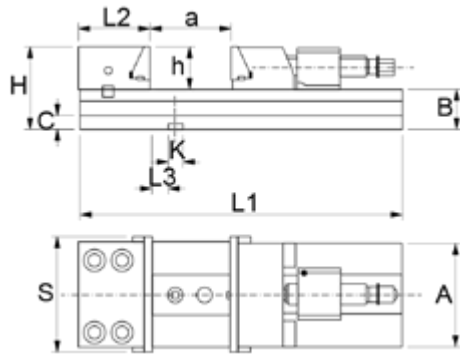




M011-

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02 mm and hardness 57-62 HRC.

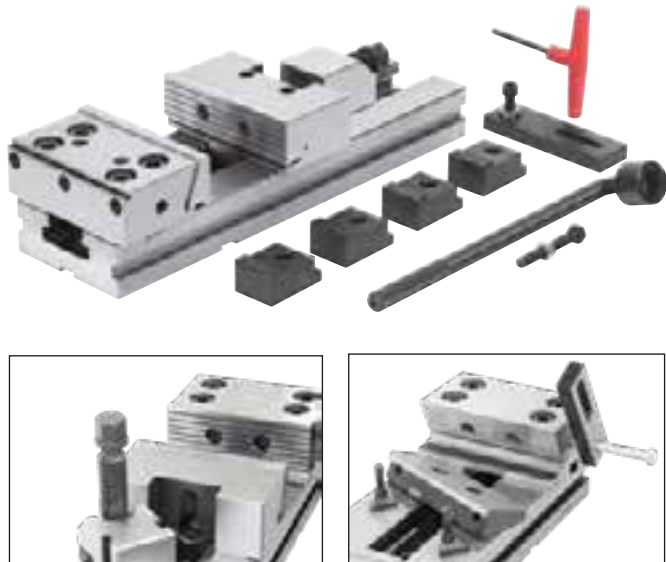
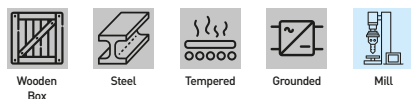
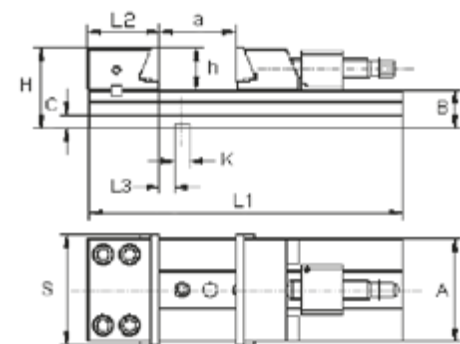


Art.	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	Kh7	a	Net weight
M011/125/150	125 x 50h mm	125 mm	125 mm	40 mm	15 mm	90 mm	350 mm	80 mm	25,6 mm	50 mm	16 mm	150 mm	19 kg
M011/150/210	150 x 60h mm	150 mm	150 mm	50 mm	20 mm	110 mm	435 mm	93 mm	25,6 mm	60 mm	16 mm	210 mm	35 kg
M011/150/300	150 x 60h mm	150 mm	150 mm	50 mm	20 mm	110 mm	525 mm	93 mm	25,6 mm	60 mm	16 mm	300 mm	35 kg

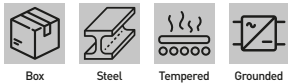
M028-

HIGH PRECISION MODULAR VICE

Suitable for jobs where precision, reliability, availability and secure locking are required. Suitable for precision milling and grinding work on both manual machines and CNC machining centers. Ground sliding surfaces. Equipped with prismatic descending jaws when tightening. With fasteners and adjustment keys. Accuracy 0.02 mm and hardness 57-62 HRC.



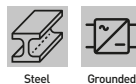
Art.	Jaw dimensions	S	A	B	C	H	L1	L2	L3	h	Kh7	a	Net weight
M028/100/100	100 x 30h mm	100 mm	75 mm	35 mm	15 mm	65 mm	270 mm	77,9 mm	25,6 mm	30 mm	16 mm	100 mm	7 kg
M028/125/150	125 x 40h mm	125 mm	95 mm	40 mm	15 mm	80 mm	345 mm	77,9 mm	25,6 mm	40 mm	16 mm	150 mm	13 kg
M028/150/200	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	420 mm	89,4 mm	25,6 mm	50 mm	16 mm	200 mm	26 kg
M028/150/300	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	520 mm	89,4 mm	25,6 mm	50 mm	16 mm	300 mm	30 kg
M028/150/400	150 x 50h mm	150 mm	125 mm	50 mm	20 mm	100 mm	620 mm	89,4 mm	25,6 mm	50 mm	16 mm	400 mm	34 kg
M028/175/200	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	455 mm	96,9 mm	25,6 mm	60 mm	16 mm	200 mm	40 kg
M028/175/300	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	555 mm	96,9 mm	25,6 mm	60 mm	16 mm	300 mm	43 kg
M028/175/400	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	655 mm	96,9 mm	25,6 mm	60 mm	16 mm	400 mm	50 kg
M028/175/500	175 x 60h mm	175 mm	145 mm	58 mm	20 mm	118 mm	755 mm	96,9 mm	25,6 mm	60 mm	16 mm	500 mm	50 kg
M028/200/300	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	595 mm	113,4 mm	25,6 mm	65 mm	16 mm	300 mm	69 kg
M028/200/400	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	695 mm	113,4 mm	25,6 mm	65 mm	16 mm	400 mm	74 kg
M028/200/500	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	795 mm	113,4 mm	25,6 mm	65 mm	16 mm	500 mm	79 kg
M028/200/600	200 x 65h mm	200 mm	170 mm	70 mm	26 mm	135 mm	895 mm	113,4 mm	25,6 mm	65 mm	16 mm	600 mm	84 kg

M011-xG
SPARE PART JAWS


Art.	Description	Jaw dimensions
M011/125GP	Prismatic jaw	125 x 40h mm
M011/125GR	Pair of striped jaws	125 x 40h mm
M011/150GP	Prismatic jaw	150 x 45h mm
M011/150GR	Pair of striped jaws	150 x 45h mm


M028-xG
SPARE PRISMATIC JAWS

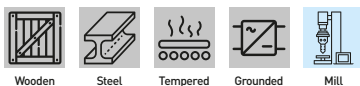

Art.	Dimensions
M028/100GP	100 x 24,5h mm
M028M029/125GP	125 x 32h mm
M028M029/150GP	150 x 40h mm
M028/175GP	175 x 43h mm
M028/200GP	200 x 53h mm

M028-xGR
SPARE RIBBED JAWS


Art.	Jaw dimensions
M028/100GR	100 x 30h mm
M028/125GR	125 x 40h mm
M028/150GR	150 x 50h mm
M028/175GR	175 x 60h mm
M028/200GR	200 x 65h mm

M061
ANGLE PRECISION VICE

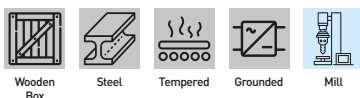
With screw closure, sine-bar with longitudinal opening. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems.



Length	235 mm
Jaw dimensions	88 x 40 h mm
Pins center distance	100 mm
Opening	120 mm
Accuracy	0,005 mm
Tilting	0° ÷ 45°
Net weight	12,5 kg


M012-
PRECISION MEASURING MILLING VICE

Quick-release. Couplings ground with high precision. Accuracy indicated on parallelism and quadrature. Ideal for grinding, EDM, milling and measuring systems.

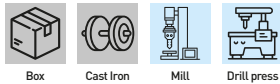
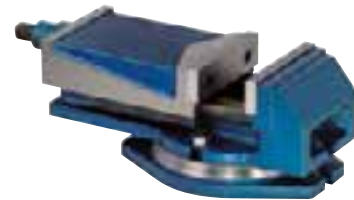


Art.	Dimensions	Opening	Jaw height	Accuracy
M012/038	38 x 105 x 45h mm	44 mm	25 mm	0,005 mm
M012/050	50 x 140 x 50h mm	65 mm	25 mm	0,005 mm
M012/080	73 x 190 x 67h mm	110 mm	35 mm	0,005 mm
M012/100	100 x 245 x 90h mm	125 mm	45 mm	0,005 mm



M023-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

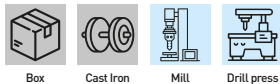
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



Art.	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M023/100	100 x 35 mm	80 mm	310 x 165 x 130h mm	215 x 165 mm	195 mm	14 mm	11 kg
M023/125	125 x 40 mm	100 mm	355 x 190 x 127h mm	215 x 165 mm	195 mm	14 mm	15 kg
M023/160	160 x 50 mm	125 mm	422 x 235 x 162h mm	300 x 235 mm	275 mm	18 mm	30 kg
M023/200	200 x 61 mm	160 mm	490 x 270 x 175h mm	360 x 280 mm	315 mm	18 mm	47 kg

M014-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

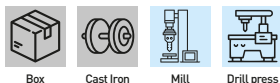
With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank.



Art.	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M014/080	80 x 30 mm	60 mm	195 x 110 x 91h mm	110 x 154 mm	130 mm	14 mm	4,5 kg
M014/100	100 x 35 mm	75 mm	242 x 129 x 106h mm	135 x 186 mm	160 mm	14 mm	9 kg
M014/125	125 x 40 mm	95 mm	285 x 166 x 126h mm	166 x 210 mm	185 mm	14 mm	14 kg
M014/160	160 x 52 mm	120 mm	390 x 218 x 166h mm	218 x 275 mm	245 mm	18 mm	28 kg
M014/200	200 x 63 mm	150 mm	440 x 239 x 183h mm	239 x 315 mm	275 mm	18 mm	40 kg

M024-
MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Uncovered vine. With crank and fixing screws.

M024/250


Art.	Jaws	Opening	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M024/136	136 x 32 mm	170 mm	375 x 162 x 123h mm	223 x 165 mm	200 mm	14 mm	14 kg
M024/160	160 x 50 mm	180 mm	402 x 182 x 142h mm	252 x 182 mm	225 mm	14 mm	23 kg
M024/200	200 x 63 mm	220 mm	470 x 234 x 172h mm	290 x 222 mm	260 mm	18 mm	33 kg
M024/250	250 x 45 mm	320 mm	612 x 280 x 186h mm	290 x 270 mm	245 mm	18 mm	50 kg

M530-
TILTING MILLING MACHINE VICE WITH 360° SWIVEL BASE

With interchangeable jaws in hardened and ground steel. Sliding parts ground. Fully covered screw. With crank and fixing screws.



Art.	Jaws	Opening	Tilting	Dimensions	Base dimensions	Slot distance	Slot	Net weight
M530/100	100 x 32 mm	90 mm	0° - 90°	325 x 180 x 150h mm	250 x 180 mm	230 mm	14 mm	15 kg
M530/125	125 x 40 mm	100 mm	0° - 90°	360 x 206 x 165h mm	290 x 226 mm	260 mm	18 mm	24 kg
M530/160	160 x 50 mm	125 mm	0° - 90°	443 x 270 x 194h mm	325 x 250 mm	300 mm	18 mm	35 kg

M017-
NEW
DRILL PRESS VICE HEAVY DUTY

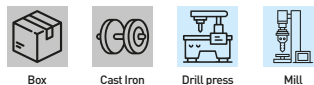
Equipped with prismatic jaws, with screw protection from dust and other residues.



Art.	Jaws	Jaw height	Opening	Base dimensions	Net weight
M017/080	80 mm	25 mm	87 mm	185 x 155 mm	4,3 Kg
M017/100	100 mm	32 mm	100 mm	230 x 200 mm	7,8 Kg

M027-
DRILL PRESS VICE

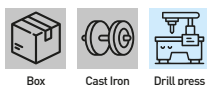
Equipped with scraped guides for greater precision and better sliding.



Art.	Jaws	Opening	Base dimensions	Net weight
M027/100	100 x 40 mm	100 mm	290 x 170 mm	8 kg
M027/140	140 x 50 mm	140 mm	375 x 230 mm	12 kg
M027/200	200 x 60 mm	200 mm	485 x 295 mm	25 kg

M016-
NEW
MACHINE VICE HORIZONTAL - VERTICAL

Equipped with a prismatic and a smooth jaw, constant overall length thanks to the screw inserted in the handle. Adjusted to 3 positions so that it can be fixed in horizontal, vertical and lateral positions.



Art.	Jaws	Jaw height	Opening	Base dimensions	Net weight
M016/075	75 mm	30 mm	70 mm	150 x 142 mm	3 Kg
M016/100	100 mm	30 mm	95 mm	175 x 160 mm	4,3 Kg

M001-
DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw. Constant overall length thanks to the screw inserted in the handle.



Art.	Jaws	Opening	Base dimensions	Net weight
M001/100	100 mm	80 mm	182 x 156 mm	4 kg
M001/120	120 mm	110 mm	200 x 175 mm	5 kg
M001/150	150 mm	135 mm	230 x 195 mm	7 kg

0142-
DRILL PRESS VICE

Equipped with a prismatic jaw and a smooth jaw.



Art.	Jaws	Opening	Base dimensions	Net weight
0142/75	75 X 24 mm	55 mm	123 x 115 mm	1,5 kg
0142/100	100 x 25,5 mm	85 mm	160 x 155 mm	2,5 kg
0142/125	125 x 30 mm	100 mm	182 x 182 mm	4 kg

0698/100

TILTING VICE

Ideal for drilling with any angle of attack.



Jaws	105 x 47 mm
Opening	105 mm
Tilting	0°-15°-30°-45°-60°-75°-90°
Base	192 x 185 mm
Slot distance	160 mm
Dimensions	192 x 185 x 115h mm
Net weight	8 kg

M034/120

QUICK ACTING DRILL PRESS VICE

With prismatic jaw and swivel base.

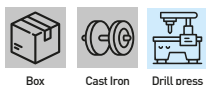


Jaws	120 x 40 mm
Opening	120 mm
Base dimensions	220 x 130 mm
Slot	14 mm
Net weight	7 kg

0188-

2 - WAY CROSS VICE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice.



Art.	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Net weight
0188/100	100 x 25 mm	90 mm	240 x 140 mm	140 mm	130 mm	110 mm	7,5 kg
0188/125	125 x 40 mm	110 mm	255 x 160 mm	150 mm	170 mm	130 mm	13 kg
0188/150	150 x 40 mm	145 mm	280 x 170 mm	160 mm	160 mm	180 mm	14,5 kg

0188-xG

2 - WAY CROSS VICE WITH SWIVEL BASE

Useful for performing precision drilling or tapping operations thanks to the longitudinal and lateral movement without removing the piece from the vice. Equipped with a swivel base.



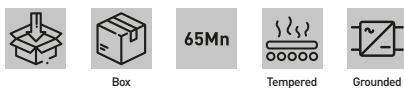
Art.	Jaws	Opening	Base dimensions	Height	Longitudinal travel	Cross travel	Slot	Net weight
0188/100G	100 X 25 mm	90 mm	210 x 150 mm	175 mm	130 mm	110 mm	18 mm	11,5 kg
0188/125G	125 X 40 mm	120 mm	230 x 175 mm	180 mm	150 mm	120 mm	20 mm	14,5 kg
0188/150G	150 X 45 mm	150 mm	235 x 195 mm	190 mm	170 mm	115 mm	20 mm	19,5 kg

0766-

NEW

MAGNETIC PARALLEL SERIES

Ground in pairs. Used as workpiece shims in a wide variety of machining operations, ensuring parallel clamping. Thanks to the magnetic coupling, clamping times are reduced.



Art.	Dimensions	Hardness	Accuracy
0766/090	90 x 2,5 x (15-22-25-30-32) mm	HRC 60	± 0,005 mm
0766/125	125 x 2,5 x (15-30-35-37-39) mm	HRC 60	± 0,005 mm
0766/150	150 x 2,5 x (25-35-40-45-47) mm	HRC 60	± 0,005 mm

P014

PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



Dimensions	150 x 10 x (14-16-18-20-22-24-26-28-30-32-35-40-45-50) mm
Hardness	HRC 60
Accuracy	± 0,005 mm

P015

PARALLEL COUPLE SET

Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



Dimensions	160 x 4 x (10-14-18-22-26-30-34-38-42) mm
Hardness	HRC 60
Accuracy	± 0,005 mm

P017

PARALLEL COUPLE SET

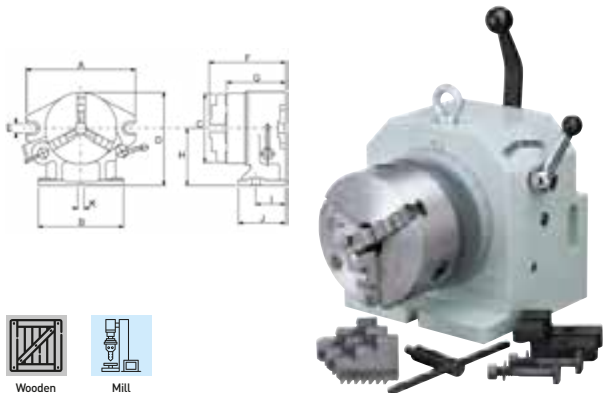
Ground in pairs. Used as part shims in wide variety of machining operations, ensuring parallel clamping.



Dimensions	150 x 8 x (14-16-20-24-30-32-36-40-44) mm
Hardness	HRC 45
Accuracy	± 0,005 mm

D023
HORIZONTAL AND VERTICAL RATCHET DIVIDING HEAD

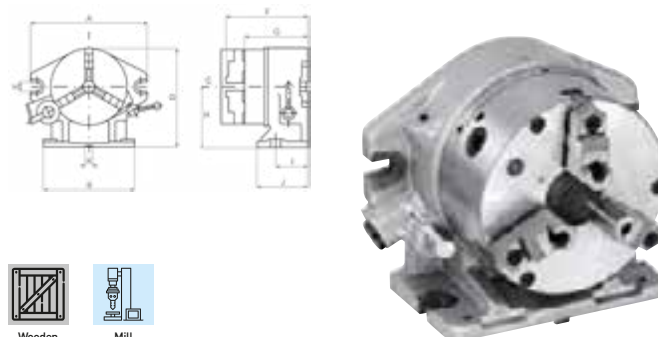
It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Complete with locking brackets.



Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	230 mm
B	230 mm
C	160 mm
D	236 mm
E	18 mm
F	320 mm
G	285 mm
H	125 mm
I	- mm
J	210 mm
K	18 mm
Hole	30 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	66,5 kg

D003
HORIZONTAL AND VERTICAL DIRECT DIVIDING HEAD

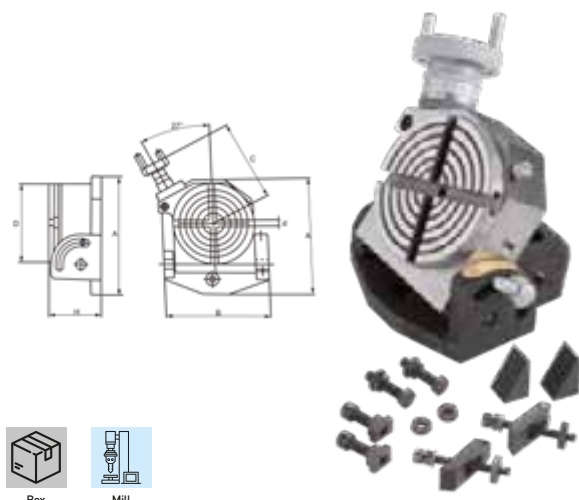
It allows you to have various types of divisions based on the type of disc mounted. Division is done automatically using the feed lever. Possibility of manual division from degree to degree 0° - 360°.



Dividing	2 - 3 - 4 - 6 - 8 - 12 - 24
A	310 mm
B	255 mm
C	210 mm
D	259,25 mm
E	18 mm
F	214 mm
G	171,5 mm
H	149,25 mm
I	80 mm
J	130 mm
K	16 mm
Hole	62 mm
Hor. max load	50 kg
Ver. max load	10 kg
Net weight	52 kg

T016/100
TILTING ROTARY TABLE

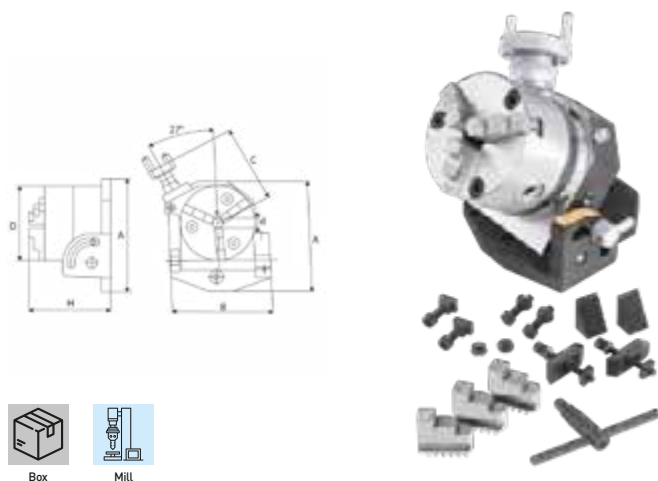
For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets.



A	143 mm
B	130 mm
C	105 mm
D	102 mm
d	18 mm
H	68 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 6.35 mm 5/16"
Horizontal height	102 mm
Net weight	5 kg

T017/100
TILTING ROTARY TABLE WITH CHUCK

For precise positioning of both rotation and inclination thanks to the graduations on the handwheel and on tilt locking lever. Complete with locking brackets.

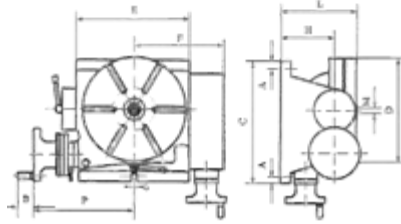
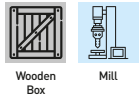


Chuck sizes	100 mm
A	143 mm
B	130 mm
C	105 mm
D	100 mm
d	20 mm
H	160 mm
Revolution	360°
Tilting table	90°
Ratio	1:36
Slots	4 x 8 mm
Horizontal height	102 mm
Net weight	11 kg

T001-

0° ÷ 90° TILTING ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears.



Art.	A	B	C	D	E	F	G	H	L	MT	Ratio	Slots	Hor. max load	Ver. max load	Net weight
T001/250	14 mm	40 mm	310 mm	250 mm	252 mm	199 mm	14 mm	140 mm	205 mm	3	1:90	6/12 N° / mm	200 kg	100 kg	78 kg
T001/320	16 mm	40 mm	380 mm	320 mm	322 mm	241 mm	18 mm	185 mm	257 mm	4	1:90	6/14 N° / mm	250 kg	125 kg	133 kg

D005-

DIVIDING PLATES FOR ROTARY TABLE

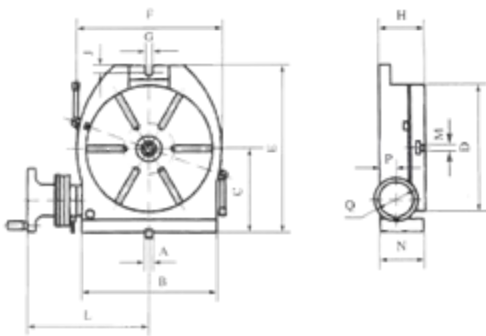
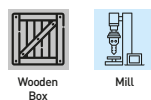


Art.	For rotary table	Ratio	Plates holes	Hole	External
D005	T001/250 - 320, T002/160 - 320	1:90	A: 34-37-38-39-41-43-44-50-52-56-6, B: 46-47-49-51-53-54-57-58-59-62-64	38 mm	130 mm
D005/400	T002/400	1:90	A: 34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-64	53 mm	170 mm
D005/500	T012/500 T012/630	1:120	A: 33-34-37-38-39-41-43-44-50-52-56-61, B: 46-47-49-51-53-54-57-58-59-62-63-64	53 mm	170 mm

T002-

HORIZONTAL AND VERTICAL ROTARY TABLE

Equipped with micrometric adjustment and oil bath gears.

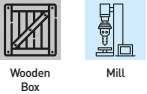


Art.	A	B	C	D	E	F	G	H	J	L	N	P	Q	MT	Ratio	Slots	Hor. max load	Ver. max load	Net weight
T002/160	12 mm	186 mm	125 mm	160 mm	242 mm	196 mm	12 mm	85 mm	12 mm	194 mm	82 mm	37 mm	125 mm	2	1:90	4/10 N° / mm	100 kg	50 kg	23 kg
T002/200	14 mm	208 mm	150 mm	200 mm	285 mm	236 mm	14 mm	100 mm	15 mm	211 mm	99 mm	48 mm	125 mm	3	1:90	4/12 N° / mm	150 kg	75 kg	30 kg
T002/250	14 mm	253 mm	170 mm	250 mm	328 mm	286 mm	14 mm	110 mm	16 mm	241 mm	106 mm	48 mm	125 mm	4	1:90	6/12 N° / mm	200 kg	100 kg	44 kg
T002/320	18 mm	321 mm	210 mm	320 mm	410 mm	360 mm	18 mm	120 mm	16 mm	273 mm	118 mm	48 mm	125 mm	4	1:90	6/14 N° / mm	250 kg	125 kg	75 kg
T002/400	18 mm	400 mm	260 mm	400 mm	525 mm	450 mm	18 mm	150 mm	16 mm	337 mm	145 mm	70 mm	160 mm	4	1:90	6/14 N° / mm	300 kg	150 kg	174 kg



C054

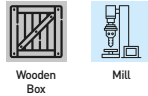
ADJUSTABLE TAILSTOCK



For rotary table	T002/160
Centers height	95 - 150 mm
Net weight	9 kg

C051

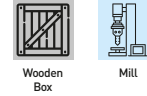
ADJUSTABLE TAILSTOCK



For rotary table	T001/250 - T002/200 - T002/250
MT	2
Centers height	140 - 180 mm
Net weight	18 kg

C052

ADJUSTABLE TAILSTOCK

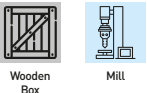
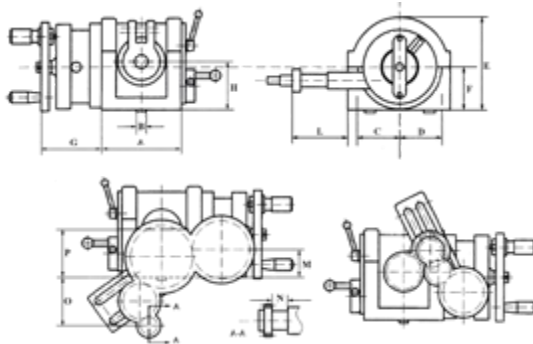


For rotary table	T002/320 - T001/320
MT	2
Centers height	180 - 224 mm
Net weight	20 kg

D004-

UNIVERSAL DIVIDING HEAD WITH TAILSTOCK, CHUCK AND DIVIDING PLATES

Equipped with hardened and ground worm screw and precision tapered roller bearings. Allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts.

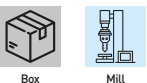
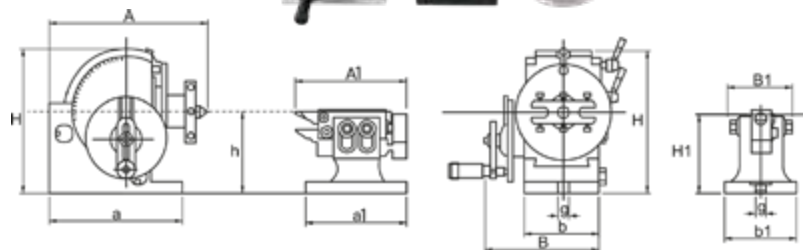


Art.	A	B	C	D	E	F	G	H	L	MT	N	P	Chuck sizes	Ratio	Capacity	Plates holes	Net weight
D004/125L	209 mm	18 mm	116 mm	98 mm	224 mm	117 mm	120 mm	125 mm	103 mm	4	34,5 mm	100 mm	Ø 160 mm	1:40	130 kg	24 - 25 - 28 - 30 - 34 - 37 - 38 - 39 - 41 - 42 - 43 - 46 - 47 - 49 - 51 - 53 - 54 - 57 - 58 - 59 - 62 - 66	119 kg
D004/160L	209 mm	18 mm	116 mm	98 mm	259 mm	152 mm	120 mm	160 mm	103 mm	4	34,5 mm	100 mm	Ø 200 mm	1:40	130 kg	24 - 25 - 28 - 30 - 34 - 37 - 38 - 39 - 41 - 42 - 43 - 46 - 47 - 49 - 51 - 53 - 54 - 57 - 58 - 59 - 62 - 66	125 kg

D006-

SEMI UNIVERSAL DIVIDING HEAD WITH TAILSTOCK AND DIVIDING PLATES

Chuck not included, equipped with hardened and ground worm screw and precision tapered roller bearings. Allows the operator to perform exactly determined angular rotations, such as are required for the divisions of a circumference into a certain number of equal parts.



Art.	A	B	H	h	a	b	G	A1	B1	H1	h1	a1	b1	Suitable chuck	g1	Hole	MT	Ratio	Head tilt left and right	Plates holes	Net weight
D006/100	193 mm	131 mm	173 mm	100 mm	166 mm	90 mm	16 mm	175 mm	87 mm	102 mm	100 mm	130 mm	82 mm	Ø 125 mm	16 mm	Ø 18 mm	2	1:40	-10° - 90°	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	16 kg
D006/128	242 mm	168 mm	220 mm	128 mm	206 mm	113 mm	16 mm	183 mm	87 mm	137 mm	128 mm	158 mm	110 mm	Ø 160 mm	16 mm	Ø 20 mm	3	1:40	-10° - 90°	15-16-17-18-19-20-21-23-27-29-31-33-37-39-41-43-47-49	30 kg

T013

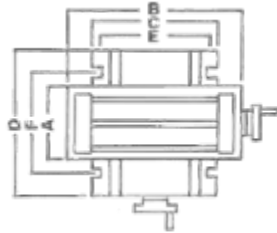
CROSS WORKING TABLE

With coolant channels. Adjustable handwheel graduation.



Wooden Box Cast Iron Mill

A	210 mm
B	730 mm
C	315 mm
D	395 mm
E	240 mm
F	300 mm
Slot	14 mm
Height	155 mm
Travels	160 x 360 mm
Reading	0,05 mm
Net weight	70 kg



T014G

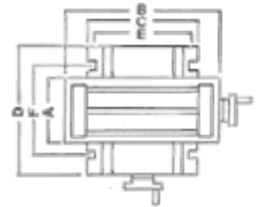
SWIVELING CROSS WORKING TABLE

Equipped with a swivel base. With coolant channels. Adjustable handwheel graduation.



Wooden Box Cast Iron Mill

A	240 mm
B	600 mm
C	280 mm
D	340 mm
E	260 mm
F	250 mm
Slot	12 mm
Height	160 mm
Travels	155 x 370 mm
Reading	0,02 mm
Net weight	60 kg



T015

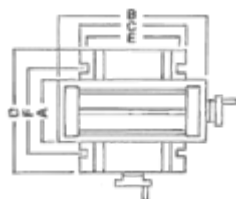
CROSS WORKING TABLE

With adjustable graduation of the handwheel. Equipped with conical gib with screw on the head and scraped guides for greater precision and better sliding.



Box Cast Iron Mill

A	100 mm
B	185 mm
C	130 mm
D	170 mm
E	104 mm
F	103 mm
Slot	10 mm
Height	100 mm
Travels	50 x 80 mm
Reading	0,01 mm
Net weight	10 kg



T015/E

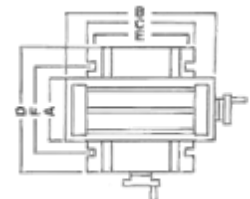
CROSS WORKING TABLE

With adjustable graduation of the handwheel.



Box Cast Iron Mill

A	100 mm
b	185 mm
C	130 mm
D	173 mm
E	102 mm
F	100 mm
Slot	10 mm
Height	104 mm
Travels	50 x 80 mm
Reading	0,01 mm
Net weight	10 kg



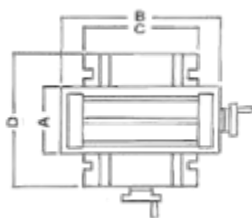


T008

CROSS WORKING TABLE



A	153 mm
B	475 mm
C	200 mm
D	270 mm
Slot	16 mm
Slot distance	75 mm
Height	130 mm
Travels	120 x 325 mm
Base locating slot	162 mm
Net weight	23 kg



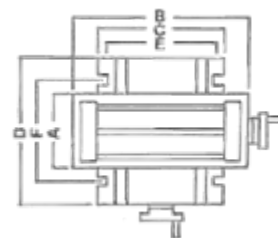
T018/350

CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements.



A	100 mm
B	350 mm
C	160 mm
D	190 mm
Height	120 mm
Slot	8 mm
Slot distance	36 mm
Travels	177 x 50 mm
Reading	0.05 mm
Overall dimensions	415 x 255 mm
Net weight	6 kg



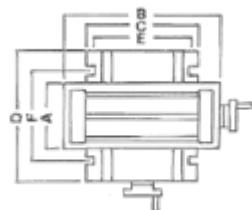
T018/330

CROSS WORKING TABLE

With fixed millimeter scale for longitudinal table movements.



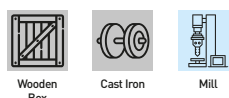
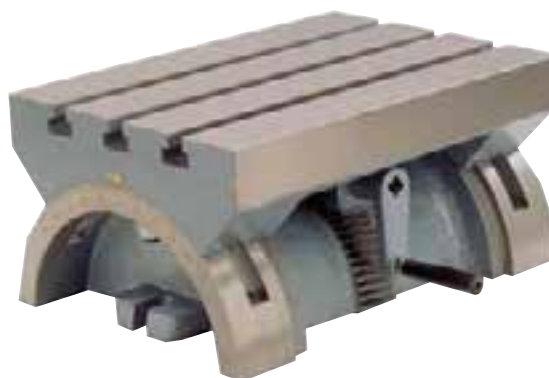
A	95 mm
B	330 mm
C	125 mm
D	145 mm
Height	82 mm
Slot	8 mm
Slot distance	36 mm
Travels	190 x 65 mm
Reading	0,05 mm
Overall dimensions	395 x 210 mm
Net weight	2,5 kg



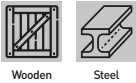
T004-

ADJUSTABLE ANGLE PLATE

With tilting regulation on both sides.



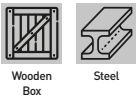
Art.	Dimensions	Slot	Tilting	Net weight
T004/250	255 x 180 x 135h mm	12 mm	± 36°	15 kg
T004/380	380 x 250 x 180h mm	16 mm	± 36°	45 kg
T004/600	610 x 305 x 253h mm	16 mm	± 36°	105 kg

P077-
PERMANENT MAGNETIC CHUCK


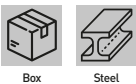
Art.	Dimensions	Magnetic force	Pole pitch	Net weight
P077/1525	250 x 150 x 60 mm	180 N/cm ²	3 + 12 mm	17 Kg
P077/1530	300 x 150 x 60 mm	180 N/cm ²	3 + 12 mm	20 Kg
P077/2040	400 x 200 x 60 mm	180 N/cm ²	3 + 12 mm	37 Kg
P077/3050	500 x 300 x 60 mm	180 N/cm ²	3 + 12 mm	65 Kg
P077/3060	600 x 300 x 60 mm	180 N/cm ²	3 + 12 mm	80 Kg


P078-
PERMANENT MAGNETIC CHUCK

With fixed polarity. It allows the machining of small and low thickness pieces due to fine pitch.



Art.	Dimensions	Magnetic force	Pole pitch	Net weight
P078/1525	250 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	16 Kg
P078/1530	300 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	17 Kg
P078/1535	350 x 150 x 48 mm	120 N/cm ²	0,5 + 1,5 mm	20 Kg
P078/1540	400 x 150 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	24 Kg
P078/1545	450 x 150 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	27 Kg
P078/2045	450 x 200 x 51 mm	120 N/cm ²	0,5 + 1,5 mm	38 Kg
P078/2050	500 x 200 x 58 mm	120 N/cm ²	0,5 + 1,5 mm	57 Kg
P078/2060	600 x 200 x 58 mm	120 N/cm ²	0,5 + 1,5 mm	55 Kg


P079-
MAGNETIC TOP WITH BREAST BAR


Art.	Dimensions	Magnetic force	Pole pitch	Tilting	Net weight
P079/1515	150 x 150 x 86 mm	120 N/cm ²	0,5 + 1,5 mm	0° - 60°	17 Kg
P079/1530	150 x 300 x 86 mm	120 N/cm ²	0,5 + 1,5 mm	0° - 60°	32 Kg


K001-
CLAMPING KIT

Consisting of: 24 tie rods, 6 T-nuts, 6 low nuts, 4 joint sleeves, 6 simple brackets, 12 stair supports, practical wall support.



Art.	Slot	Thread
K001/12	12 mm	M10
K001/14	14 mm	M12
K001/16	16 mm	M14
K001/18	18 mm	M16


K002-
CLAMPING SET

Consisting of 2 stepped supports, 2 tie rods and 2 T-head bolts and flanged nuts. To fix the elements to be milled on boards.



Art.	2 Step blocks	2 Clamp	2 Studs with Tee nuts	Slot
K002/08	25 x 25 x 42 mm	90 x 25 x 12 mm	M6 x 100 mm	8 mm
K002/10	25 x 25 x 42 mm	100 x 25 x 15 mm	M8 x 100 mm	10 mm
K002/12	25 x 25 x 42 mm	100 x 25 x 15 mm	M10 x 100 mm	12 mm
K002/14	25 x 25 x 42 mm	100 x 31 x 19 mm	M12 x 100 mm	14 mm





NEW FERVI SPINDLE RANGE

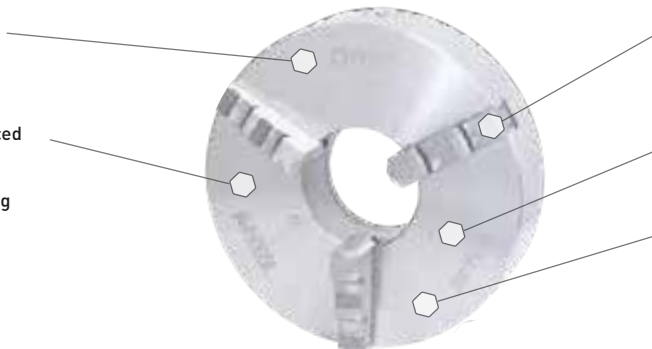


MAIN FEATURES

The new spindle line is compatible with all Fervi lathes.

Laser engraving with logo, model, and maximum RPM (revolutions per minute) number.

Single interchangeable body, balanced and well-balanced, made of heavy spheroidal cast iron with excellent rigidity, allowing for optimal gripping tolerance.



Durable jaws made of hardened, tempered, and ground steel.

Handy grease gun(s) for lubricating various parts.

The new Fervi chuck range allows for interchangeability of parts among items of the same size and with the same number of jaws.

FLANGE MOUNT

This range of spindles is designed for attachment by flange. Mechanical machining may be required to couple the spindle with the flange. They can also be applied to other mechanical parts (such as dividing tables or dividers), subject to mechanical adjustment.



INTEGRATED CAMLOCK ATTACHMENT

Camlock couplings allow faster changeover and, most importantly, prevent accidental unscrewing of the spindle. It does not require any preliminary machining for mounting on the machine.



SPINDLE SELECTION GUIDE

The choice of spindle is related to the type of machining to be performed.

3-JAW CHUCK (SELF CENTERING)



They allow solid circular or tubular, polygonal workpieces with a number of sides divisible by 3 to be clamped, centering them, by means of straight or reverse jaws.

4-JAW CHUCK (SELF-CENTERING)



They are used for fastening solid circular or tubular workpieces, with irregular or polygonal cross-section with a number of sides divisible by 4, by means of straight or reverse jaws.

INDEPENDENT JAW CHUCK



In this type of chuck, each jaw has independent movement in order to be able to clamp the workpiece with its axis off-center in the case of particular types of machining.

BASED ON THE LATHE



CENTER HEIGHT

This parameter indicates the height between the center of the spindle and the lathe bed. The tip height determines the maximum radius that can be machined on the bench. Multiplying the value by 2 will give us the maximum diameter that can be machined on the bench.

SPINDLE BORE

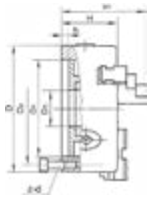
This is the diameter of the through-hole present on the lathe to be able to thread long bars to be turned by threading and clamping them between the jaws of the chuck.

SPINDLE NOSE CAMLOCK

Determined by the diameter of the lathe head flange pins or if available from machine technical data.

**M075A-****NEW****PRECISION SELF-CENTERING CHUCK 3 + 3 + 3 JAWS**

Single guide. Integral jaws, concentric clamping, equipped with: 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key and 1 series consisting of 3 solid soft jaws. Metal's rear cover for Ø250 mm, Ø320 mm and Ø400 mm chucks



Box

Wooden
Box

Cast Iron

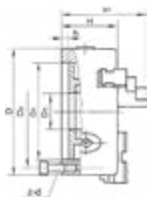


Lathe

Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M075A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,9 kg
M075A/100	72 mm	84 mm	22 mm	74,5 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,2 kg
M075A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	5 kg
M075A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,8 kg
M075A/200	165 mm	180 mm	65 mm	109 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,5 kg
M075A/250	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	25,7 kg
M075A/320	270 mm	290 mm	100 mm	143,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	47,5 kg
M075A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	71 kg

M076A-**NEW****PRECISION SELF-CENTERING CHUCK 4+4+4 JAWS**

Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key and 1 series consisting of 4 solid soft jaws.



Box

Wooden
Box

Cast Iron

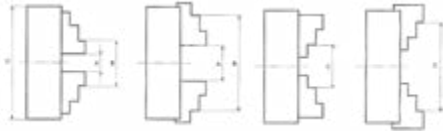
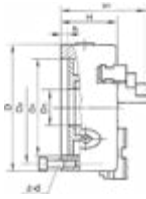


Lathe

Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M076A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	2,1 kg
M076A/100	72 mm	84 mm	22 mm	75 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	3,63 kg
M076A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4,5 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	5,9 kg
M076A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	9,7 kg
M076A/200	165 mm	180 mm	65 mm	113 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	20,3 kg
M076A/250	206 mm	226 mm	80 mm	124 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	28,3 kg
M076A/320	270 mm	290 mm	100 mm	148,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	67 kg
M076A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	94 kg

M049A-
NEW
PRECISION SELF-CENTERING 3+3 JAWS CHUCK

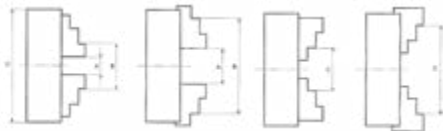
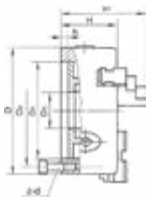
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key. Metal's rear cover for $\varnothing 250$ mm, $\varnothing 320$ mm and $\varnothing 400$ mm chucks



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M049A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,71 kg
M049A/100	72 mm	84 mm	22 mm	74,5 mm	55 mm	4 mm	3-M8	8 mm	2 - 30 mm	30 - 90 mm	30 - 80 mm	2,94 kg
M049A/125	95 mm	108 mm	30 mm	84 mm	58 mm	5 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,74 kg
M049A/160	130 mm	142 mm	45 mm	95 mm	65 mm	6 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,1 kg
M049A/200	165 mm	180 mm	65 mm	114 mm	75 mm	6,5 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	14,42 kg
M049A/250	206 mm	226 mm	80 mm	125 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	25,6 kg
M049A/320	270 mm	290 mm	100 mm	143,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	47,4 kg
M049A/400	340 mm	368 mm	145 mm	155 mm	104 mm	6 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	78 kg

M449A-
NEW
PRECISION SELF-CENTERING 4+4 JAWS CHUCK

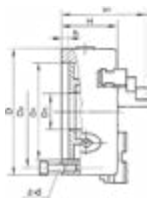
Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key. Metal back cover for size $\varnothing 250$ mm, $\varnothing 300$ mm and $\varnothing 400$ mm.



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M449A/080	55 mm	66 mm	16 mm	66 mm	50 mm	4 mm	3-M6	8 mm	2 - 22 mm	25 - 70 mm	22 - 63 mm	1,8 kg
M449A/100	72 mm	84 mm	22 mm	75 mm	55 mm	4 mm	3-M8	8 mm	2,5 - 30 mm	30 - 90 mm	30 - 80 mm	3,1 kg
M449A/125	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3-M8	10 mm	2,5 - 40 mm	38 - 125 mm	38 - 110 mm	4,9 kg
M449A/160	130 mm	142 mm	45 mm	95 mm	65 mm	5 mm	3-M8	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	8,6 kg
M449A/200	165 mm	180 mm	65 mm	113 mm	75 mm	6 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	15,3 kg
M449A/250	206 mm	226 mm	80 mm	124 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	27,2 kg
M449A/320	270 mm	290 mm	100 mm	148,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	52,3 kg
M449A/400	340 mm	368 mm	145 mm	155 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	78,1 kg

**M078A-****NEW****PRECISION SELF-CENTERING 3+3 JAWS CHUCK CAMLOCK**

Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 3 internal jaws, 1 series consisting of 3 external jaws and tightening key.



Box

Wooden
Box

Cast Iron



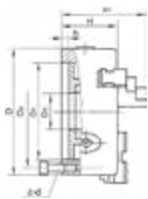
Lathe



Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M078A/160/D1-4	63,513 mm	82,6 mm	40 mm	100,5 mm	71 mm	13 mm	3-M10	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	10,6 kg
M078A/200/D1-4	63,513 mm	82,6 mm	50 mm	124 mm	86 mm	13 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	17 kg
M078A/200/D1-5	82,563 mm	104,8 mm	50 mm	124 mm	86 mm	15 mm	6-M12	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	20,1 kg
M078A/250/D1-5	82,563 mm	104,8 mm	70 mm	139 mm	95 mm	15 mm	6-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/250/D1-6	106,375 mm	133,4 mm	80 mm	142 mm	98 mm	16 mm	6-M16	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/250/D1-8	139,719 mm	171,4 mm	80 mm	142 mm	98 mm	18 mm	6-M20	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	32 kg
M078A/320/D1-6	106,375 mm	133,4 mm	102 mm	158 mm	103,5 mm	16 mm	6-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	51 kg
M078A/320/D1-8	139,719 mm	171,4 mm	102 mm	158 mm	103,5 mm	18 mm	6-M20	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	51 kg
M078A/400/D1-8	139,719 mm	171,4 mm	130 mm	173 mm	118 mm	18 mm	6-M20	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	82 kg

M079A-**NEW****PRECISION SELF-CENTERING 4+4 JAWS CHUCK CAMLOCK**

Single guide. Integral jaws, concentric clamping, equipped with 1 series consisting of 4 internal jaws, 1 series consisting of 4 external jaws and tightening key.



Box

Wooden
Box

Cast Iron



Lathe



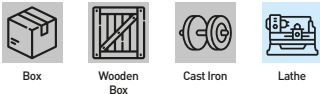
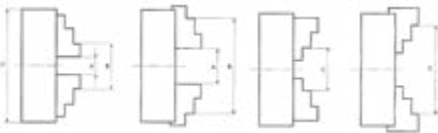
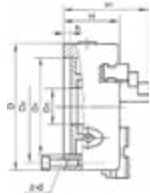
Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M079A/160/D1-4	63,513 mm	82,6 mm	40 mm	100,5 mm	71 mm	13 mm	3-M10	10 mm	3 - 55 mm	50 - 160 mm	55 - 145 mm	11 kg
M079A/200/D1-4	63,513 mm	82,6 mm	50 mm	124 mm	86 mm	13 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	19 kg
M079A/200/D1-5	82,563 mm	104,8 mm	50 mm	124 mm	86 mm	15 mm	6-M12	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	19 kg
M079A/250/D1-5	82,563 mm	104,8 mm	70 mm	139 mm	95 mm	15 mm	6-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/250/D1-6	106,375 mm	133,4 mm	80 mm	142 mm	98 mm	16 mm	6-M16	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/250/D1-8	139,719 mm	171,4 mm	80 mm	142 mm	98 mm	18 mm	6-M20	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	35 kg
M079A/320/D1-6	106,375 mm	133,4 mm	102 mm	158 mm	103,5 mm	16 mm	6-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	56 kg
M079A/320/D1-8	139,719 mm	171,4 mm	102 mm	158 mm	103,5 mm	18 mm	6-M20	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	56 kg
M079A/400/D1-8	139,719 mm	171,4 mm	130 mm	173 mm	118 mm	18 mm	6-M20	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	90 kg

M005A-

NEW

PRECISION SELF CENTERING 3 REVERSIBLE JAWS CHUCK

With single guide, single guide, equipped with 3 internal - external reversible hard jaws, clamping key and jaw-fixing screws., tightening wrench and jaw fixing screws. Plastic back cover for size Ø200 mm.



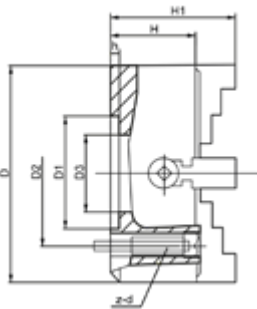
Art.	D1	D2	D3	H1	H	h	z-d	Spanner square	A - A1	B - B1	C - C1	Net weight
M005A/200	165 mm	180 mm	65 mm	122 mm	75 mm	5 mm	3-M10	12 mm	4 - 85 mm	65 - 200 mm	65 - 200 mm	14 kg
M005A/250	206 mm	226 mm	80 mm	136 mm	80 mm	5 mm	3-M12	12 mm	6 - 110 mm	80 - 250 mm	90 - 250 mm	23,4 kg
M005A/320	270 mm	290 mm	100 mm	153,5 mm	95 mm	11 mm	3-M16	13 mm	11,5 - 145 mm	95 - 320 mm	110 - 320 mm	42,4 kg
M005A/400	340 mm	368 mm	145 mm	175 mm	101,5 mm	7 mm	3-M16	14 mm	15 - 210 mm	120 - 400 mm	120 - 400 mm	71 kg
M005A/500	440 mm	465 mm	210 mm	197 mm	115 mm	7 mm	6-M16	17 mm	25 - 280 mm	150 - 500 mm	150 - 500 mm	119 kg
M005A/630	560 mm	595 mm	280 mm	218 mm	135 mm	8 mm	6-M16	19 mm	50 - 350 mm	170 - 630 mm	170 - 630 mm	208 kg

P444A-

NEW

4 JAW INDEPENDENT CHUCK

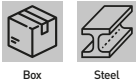
With screw control, flange connection, reversible simple guide jaws for internal and external gripping. Equipped with jaw key and fixing screws.



Art.	D	D1	D2	D3	H1	H	h	z-d	Spanner square	Net weight
P444A/125	125 mm	95 mm	108 mm	30 mm	78 mm	56 mm	6 mm	4-M8	7 mm	4,8kg
P444A/160	160 mm	65 mm	95 mm	55 mm	103 mm	75 mm	5 mm	4-M10	10 mm	10 kg
P444A/200	200 mm	80 mm	112 mm	70 mm	119 mm	80 mm	6 mm	4-M10	10 mm	14,5 kg
P444A/250	250 mm	110 mm	130 mm	100 mm	131 mm	90 mm	6 mm	4-M12	12 mm	23 kg
P444A/320	320 mm	140 mm	165 mm	115 mm	152 mm	102 mm	16 mm	4-M16	14 mm	43 kg
P444A/400	400 mm	160 mm	185 mm	125 mm	157 mm	110 mm	13 mm	4-M16	14 mm	71 kg

**M049A-xST****NEW****3 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



Art.	Chuck sizes
M049A/080ST	Ø 80 mm
M049A/100ST	Ø 100 mm
M049A/125ST	Ø 125 mm
M049A/160ST	Ø 160 mm

M049A-xGBD**NEW****3 SOFT JAWS SET**

With base in hardened steel, for self-centering chuck with simple guide.



Art.	Chuck sizes
M049A/200GBD	Ø 200 mm
M049A/250GBD	Ø 250 mm
M049A/320GBD	Ø 320 mm
M049A/400GBD	Ø 400 mm

M449A-xST**NEW****4 SOLID SOFT JAWS SET**

For self-centering chucks with simple guide.



Art.	Chuck sizes
M449A/080ST	Ø 80 mm
M449A/100ST	Ø 100 mm
M449A/125ST	Ø 125 mm
M449A/160ST	Ø 160 mm

M449A-xGBD**NEW****4 SOFT JAWS SET**

With base in hardened steel, for self-centering chuck with simple guide.



Art.	Chuck sizes
M449A/200GBD	Ø 200 mm
M449A/250GBD	Ø 250 mm
M449A/320GBD	Ø 320 mm
M449A/400GBD	Ø 400 mm

2622x**SOFT TOP JAW FOR CHUCKS**

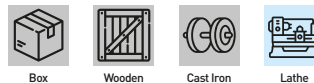
Applicable on hard jaws.



Art.	Ø	Slot distance
M075/160T	160 mm	38,1 mm
M075/200T	200 mm	44,50 mm
M075/250T	250 mm	54 mm
M075/315T	315 mm	63,5 mm
262206R	400 mm	76,2 mm
262207R	500 - 630 mm	76,2 mm

FD0x-**NEW****MOUNTING WITH STUD**

Camlock DIN 55029 to short cone with raw spindle side.



Art.	Cam lock Type	Size	Thickness	Pins
FD04/125	4"	Ø 125 mm	26 mm	Ø 15,9 mm
FD04/160	4"	Ø 160 mm	26 mm	Ø 15,9 mm
FD04/200	4"	Ø 200 mm	28 mm	Ø 15,9 mm
FD05/200	5"	Ø 200 mm	30 mm	Ø 19 mm
FD05/250	5"	Ø 250 mm	30 mm	Ø 19 mm
FD06/250	6"	Ø 250 mm	30 mm	Ø 22 mm
FD06/380	6"	Ø 400 mm	30 mm	Ø 22 mm
FD08/250	8"	Ø 250 mm	30 mm	Ø 25,4 mm
FD08/320	8"	Ø 320 mm	30 mm	Ø 25,4 mm
FD08/380	8"	Ø 400 mm	30 mm	Ø 25,4 mm
FD08/500	8"	Ø 500 mm	36 mm	Ø 25,4 mm
FD11/320	11"	Ø 320 mm	45 mm	Ø 30,0 mm
FD11/400	11"	Ø 400 mm	30 mm	Ø 30,0 mm
FD11/500	11"	Ø 500 mm	36 mm	Ø 30 mm

0563-**LATHE CHUCK KEY**

For spindles, with safety spring.



Art.	Spanner square	Dimensions
0563/08	8 mm	61 x 120 mm
0563/10	10 mm	120 x 210 mm
0563/12	12 mm	155 x 300 mm
0563/13	13 mm	120 x 300 mm
0563/14	14 mm	130 x 350 mm
0563/17	17 mm	130 x 400 mm
0563/19	19 mm	200 x 500 mm

0751/A4

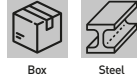
CHUCK FOR LATHE



4 jaw reversible self centering chuck	Ø 125 mm
Thread	1" - 8 TPI
Hole	Ø 22 mm

0751/P

CHUCK FOR LATHE



4 jaw independent reversible chuck	Ø 150 mm
Thread	1" - 8 TPI
Hole	Ø 22 mm

0425-

4 JAW SELF-CENTERING CHUCK

For wood lathe, Ø 125 mm.



Art.	Ø	Clamp capacity	Thread
0425/100	95 mm	Int. 32 - 45 mm - Ext. 68 - 85 mm	1" - 8 TPI
0425/125	125 mm	Int. 50 - 70 mm - Ext. 85 - 110 mm	1" - 8 TPI e M33 x 3,5

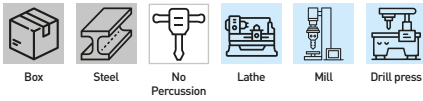




M051-

HIGH PRECISION 3 JAWS KEYLESS DRILL CHUCK

For industrial use, even in the most severe conditions of use. Sliding parts entirely hardened and ground. Spindle jaw hardness HRC58.

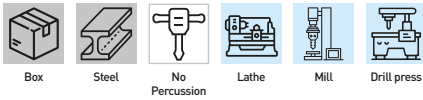


Art.	Capacity	DIN	Dimensions
M051/08	0,5 ÷ 8 mm	B 12	Ø 39 x 80 mm
M051/10	1 ÷ 10 mm	B 12	Ø 44.5 x 82 mm
M051/13	1 ÷ 13 mm	B 16	Ø 49.5 x 91 mm
M051/16	1 ÷ 16 mm	B 18	Ø 54 x 102.5 mm
M051/20	1 ÷ 20 mm	B 22	Ø 59 x 119 mm



M042-

LIGHT DUTY PROFESSIONAL SELF-TIGHTENING KEYLESS DRILL CHUCKS

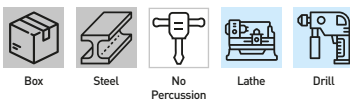


Art.	Capacity	DIN	Dimensions
M042/08	0.5 ÷ 8 mm	B12	Ø 36 x 71 mm
M042/10	1 ÷ 10 mm	B12	Ø 39 x 80 mm
M042/13	1 ÷ 13 mm	B16	Ø 41 x 87 mm
M042/16	3 ÷ 16 mm	B18	Ø 49 x 98 mm
M042/20	5 ÷ 20 mm	B22	Ø 53 x 106 mm



M052-

KEY TYPE TAPER HOLE DRILL CHUCKS



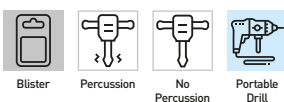
Art.	Capacity	DIN	Dimensions
M052/10	1 ÷ 10 mm	B12	Ø 43 x 57 mm
M052/13	1 ÷ 13 mm	B16	Ø 53 x 65 mm
M052/16	3 ÷ 16 mm	B18	Ø 53 x 74 mm
M052/20	5 ÷ 20 mm	B22	Ø 64 x 83 mm



M080/13

KEYLESS CHUCK WITH LOCK

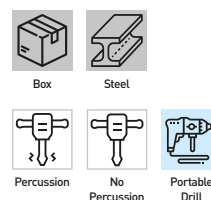
For double rotation and percussion use. Keyless quick locking with radial locking by rotating the spindle body. Body covered in synthetic material and operating parts in steel. with left fixing screw.



Capacity	Shank
2 ÷ 13 mm	1/2 20 UNF

M081-

KEY TYPE TAPER HOLE DRILL CHUCKS

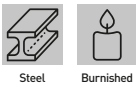


Art.	Capacity	Shank
M081/13	1÷13 mm	1/2" 20 UNF
M081/13A	1÷13 mm	3/8" 24 UNF



0711-

DRILL CHUCKS KEYS



Art.	L	A
0711/06	56 mm	5 mm
0711/10	56 mm	5 mm
0711/13	80 mm	6 mm
0711/16	90 mm	7 mm
0711/20	120 mm	8 mm

1-xB

NEW

MORSE TAPER ADAPTER

DIN 2080. Balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
1/1B40	40	1	25 mm	50 mm
1/2B40	40	2	32 mm	50 mm
1/3B40	40	3	40 mm	65 mm
1/4B40	40	4	48 mm	95 mm
1/1B50	50	1	25 mm	45 mm
1/2B50	50	2	32 mm	60 mm
1/3B50	50	3	40 mm	65 mm
1/4B50	50	4	48 mm	70 mm
1/5B50	50	5	63 mm	100 mm

1-xA

MORSE TAPER ADAPTER

DIN 69871/A, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
1/1A40	40	1	25 mm	45 mm
1/2A40	40	2	32 mm	60 mm
1/3A40	40	3	40 mm	75 mm
1/4A40	40	4	50 mm	98 mm
1/2A50	50	2	32 mm	40 mm
1/3A50	50	3	40 mm	50 mm
1/4A50	50	4	48 mm	95 mm
1/5A50	50	5	63 mm	110 mm

1-xD

MORSE TAPER ADAPTER

MAS-403 BT, balanced chuck body, with extraction slot for tools. Balancing 12.000 rpm.



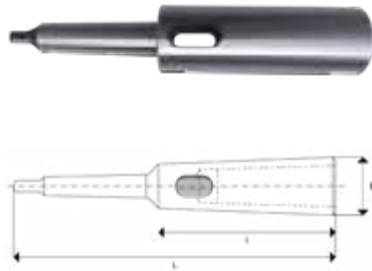
Art.	BT	MT	D	L
1/1D40	40	1	25 mm	45 mm
1/2D40	40	2	32 mm	60 mm
1/3D40	40	3	40 mm	75 mm
1/4D40	40	4	50 mm	98 mm
1/2D50	50	2	32 mm	40 mm
1/3D50	50	3	40 mm	75 mm
1/4D50	50	4	50 mm	80 mm
1/5D50	50	5	63 mm	110 mm



ST45-xL

EXTENDED MORSE TAPER ADAPTERS

For mounting tools with tapered shank vices.



Art.	MT External	MT Internal	L	l	D
ST45/2/1L	2	1	160 mm	85 mm	20 mm
ST45/2/2L	2	2	175 mm	90 mm	30 mm
ST45/2/3L	2	3	196 mm	121 mm	36 mm
ST45/3/1L	3	1	175 mm	81 mm	20 mm
ST45/3/2L	3	2	194 mm	100 mm	30 mm
ST45/3/3L	3	3	215 mm	121 mm	36 mm
ST45/3/4L	3	4	240 mm	146 mm	48 mm
ST45/4/1L	4	1	200 mm	82,5 mm	20 mm
ST45/4/2L	4	2	215 mm	97,5 mm	30 mm
ST45/4/3L	4	3	240 mm	122,5 mm	36 mm
ST45/4/4L	4	4	265 mm	147,5 mm	48 mm
ST45/4/5L	4	5	300 mm	182,5 mm	63 mm
ST45/5/1L	5	1	232 mm	82,5 mm	20 mm
ST45/5/2L	5	2	247 mm	97,5 mm	30 mm
ST45/5/3L	5	3	268 mm	118,5 mm	36 mm
ST45/5/4L	5	4	300 mm	150,5 mm	48 mm
ST45/5/5L	5	5	335 mm	185,5 mm	63 mm
ST45/5/6L	5	6	396 mm	247 mm	82 mm

A001-

PRECISION DRILL CHUCK SHANK

For spindles with taper shank.



Art.	MT	DIN
A001/2/12	2	B12
A001/2/16	2	B16
A001/2/18	2	B18
A001/3/12	3	B12
A001/3/16	3	B16
A001/3/18	3	B18
A001/3/22	3	B22
A001/4/16	4	B16
A001/4/18	4	B18
A001/4/22	4	B22

ST45-

PRECISION MORSE TAPER REDUCTION SLEEVE

For mounting tools with tapered shank vices.



Art.	MT External	MT Internal
ST45/2/1	2	1
ST45/3/1	3	1
ST45/3/2	3	2
ST45/4/1	4	1
ST45/4/2	4	2
ST45/4/3	4	3
ST45/5/3	5	3
ST45/5/4	5	4

E002-

DRIFT SLEEVES

For cone extraction.



Art.	MT
E002/12	1-2
E002/3	3
E002/4	4

3-CM

COLLET CHUCK

DIN 228/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule.

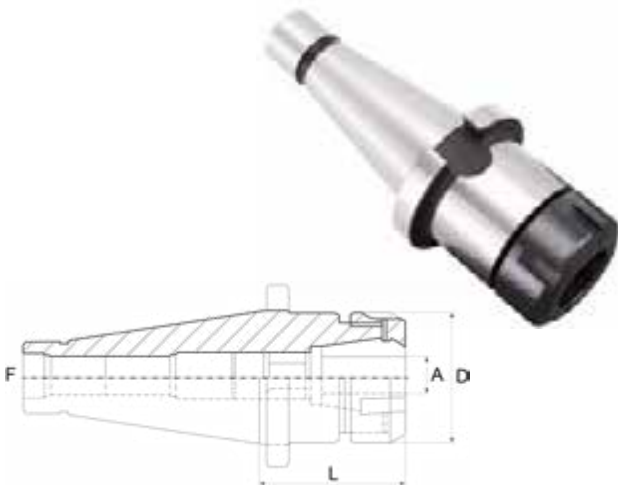


Art.	Pliers	D	L	L1	F	A
3/CM2	ER 32	50 mm	135 mm	60 mm	M 10	3 / 20 mm
3/CM3	ER 32	50 mm	146 mm	60 mm	M 12	3 / 20 mm
3/CM4	ER 32	50 mm	166 mm	58 mm	M 16	3 / 20 mm

3/B/40

COLLET CHUCK

DIN 2080, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule.



Pliers	ER 32
A	3/20 mm
D	50 mm
L	65 mm
F	M 16
Balancing rpm	2000

3A40-

COLLET CHUCK

DIN 69871/A, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.

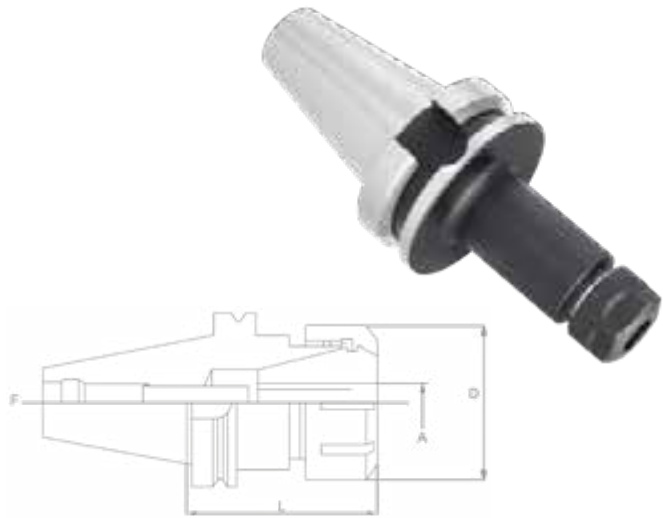


Art.	Pliers	A	D	L	F
3A40/16	ER 16	1 / 10 mm	28 mm	100 mm	M 16
3A40/20	ER 20	2 / 13 mm	34 mm	100 mm	M 16
3A40/25	ER 25	2 / 16 mm	42 mm	100 mm	M 16
3/A/40	ER 32	3/20 mm	50 mm	72 mm	M 16

3D40-

COLLET CHUCK

MAS-403 BT, for mounting tools with cylindrical shank on DIN 6499 (ER) collets. Supplied with locking ferrule. Balancing 12.000 rpm.



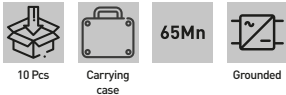
Art.	Pliers	A	D	L	F
3D40/16	ER 16	1 / 10 mm	28 mm	100 mm	M 16
3D40/20	ER 20	2 / 13 mm	34 mm	100 mm	M 16
3D40/25	ER 25	2 / 16 mm	42 mm	100 mm	M 16
3/D/40	ER 32	3/20 mm	50 mm	63 mm	M 16



PR16/10P

SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks.



Sizes \emptyset 1-2-3-4-5-6-7-8-9-10 mm

PR20/12P

SPRING COLLET SET

ER16 DIN 6499/B, usable with collet chucks.

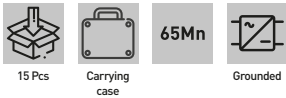


Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13 mm

PR25/15P

SPRING COLLET SET

ER25 DIN 6499/B, usable with collet chucks.

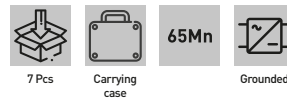


Sizes \emptyset 2-3-4-5-6-7-8-9-10-11-12-13-14-15-16 mm

P032/7P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.

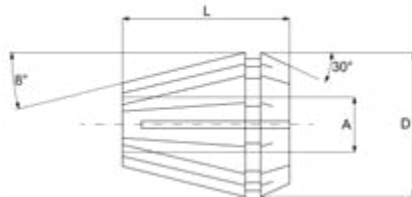


Sizes 4-6-8-10-12-16-20 mm

P032-

SPRING COLLET

ER32 DIN 6499/B, usable with collet chucks.



Art.	Capacity A	D	L
P032/03	2-3 mm	33 mm	40 mm
P032/04	3-4 mm	33 mm	40 mm
P032/05	4-5 mm	33 mm	40 mm
P032/06	5-6 mm	33 mm	40 mm
P032/07	6-7 mm	33 mm	40 mm
P032/08	7-8 mm	33 mm	40 mm
P032/09	8-9 mm	33 mm	40 mm
P032/10	9-10 mm	33 mm	40 mm
P032/11	10-11 mm	33 mm	40 mm
P032/12	11-12 mm	33 mm	40 mm
P032/13	12-13 mm	33 mm	40 mm
P032/14	13-14 mm	33 mm	40 mm
P032/15	14-15 mm	33 mm	40 mm
P032/16	15-16 mm	33 mm	40 mm
P032/17	16-17 mm	33 mm	40 mm
P032/18	17-18 mm	33 mm	40 mm
P032/19	18-19 mm	33 mm	40 mm
P032/20	19-20 mm	33 mm	40 mm

P032/18P

SPRING COLLET SET

ER32 DIN 6499/B, usable with collet chucks.



Sizes 3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20 mm

G0x

SPARE RING

ER DIN 6499.



Art.	Plier
G016	ER16
G020	ER20
G025	ER25
G032	ER32



CHERx

LOCK RING DRIVING KEY

ER DIN 6499.



Art.
CHER25
CHER32



16-CM
TAPER SHANK SHELL END MILL ADAPTER

DIN 228/A for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key.



Art.	d - h6	MT	F	H
16/CM3	16 mm	3	M 12	40 mm
16/CM4	16 mm	4	M 16	55 mm
22/CM3	22 mm	3	M 12	50 mm
22/CM4	22 mm	4	M 16	55 mm
27/CM3	27 mm	3	M 12	50 mm
27/CM4	27 mm	4	M 16	55 mm

16Ax
ARBOR FOR MILLING CUTTERS

DIN 69871/A, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 12.000 rpm.



Art.	ISO	d-h6	L	L1	Balancing rpm
16A40	40	16 mm	27 mm	35 mm	12000
22A40	40	22 mm	31 mm	41 mm	12000
27A40	40	27 mm	33 mm	41 mm	12000
32A40	40	32 mm	38 mm	45 mm	12000
16A50	50	16 mm	27 mm	35 mm	12000
22A50	50	22 mm	31 mm	35 mm	12000
27A50	50	27 mm	33 mm	35 mm	12000
32A50	50	32 mm	38 mm	40 mm	12000
40A50	50	40 mm	41 mm	40 mm	12000

16-B
ARBOR FOR MILLING CUTTERS

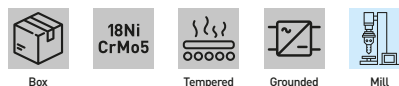
DIN 2080, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 2.000 rpm.



Art.	ISO	d - h6	L	L1
16/B40	40	16 mm	27 mm	35 mm
22/B40	40	22 mm	31 mm	39 mm
27/B40	40	27 mm	33 mm	40 mm
32/B40	40	32 mm	38 mm	40 mm
16/B50	50	16 mm	27 mm	35 mm
22/B50	50	22 mm	31 mm	35 mm
27/B50	50	27 mm	33 mm	35 mm
32/B50	50	32 mm	38 mm	40 mm
40/B50	50	40 mm	41 mm	40 mm

16-D
ARBOR FOR MILLING CUTTER

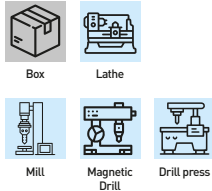
MAS-403 BT, balanced chuck body, for cylindrical end mills according to DIN 481, for milling cutters with longitudinal groove DIN 1880 and for insert milling cutters DIN 1830. Supplied with cross screw, drive ring and key. Balancing 12.000 rpm.



Art.	BT	d - h6	L	L1
16/D40	40	16 mm	27 mm	35 mm
22/D40	40	22 mm	31 mm	35 mm
27/D40	40	27 mm	33 mm	35 mm
32/D40	40	32 mm	38 mm	40 mm
16/D50	50	16 mm	27 mm	35 mm
22/D50	50	22 mm	31 mm	35 mm
27/D50	50	27 mm	33 mm	35 mm
32/D50	50	32 mm	38 mm	40 mm
40/D50	50	40 mm	41 mm	40 mm

**M004-****HOLE CUTTER SHANK WITH COOLANT SYSTEM AND WELDON SHANK**

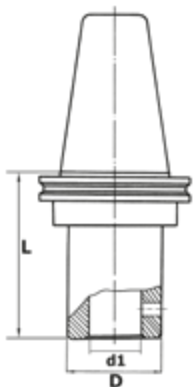
With system for the lubrication of the cutter from the inside during drilling.



Art.	MT	Total length	Female junction
M004/2	2	170,5 mm	Weldon 19,05 mm
M004/3	3	190,5 mm	Weldon 19,05 mm

4-**WELDON SHANK TOOL HOLDER**

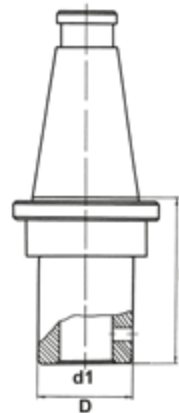
DIN 69871/A, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 12.000 rpm.



Art.	ISO	d1 - h6	D	L
4/06A40	40	6 mm	25 mm	60 mm
4/08A40	40	8 mm	28 mm	60 mm
4/10A40	40	10 mm	35 mm	50 mm
4/12A40	40	12 mm	42 mm	60 mm
4/14A40	40	14 mm	42 mm	70 mm
4/16A40	40	16 mm	48 mm	70 mm
4/18A40	40	18 mm	48 mm	70 mm
4/20A40	40	20 mm	52 mm	63 mm
4/25A40	40	25 mm	40 mm	100 mm
4/32A40	40	32 mm	72 mm	100 mm
4/06A50	50	6 mm	25 mm	65 mm
4/08A50	50	8 mm	28 mm	65 mm
4/10A50	50	10 mm	35 mm	70 mm
4/12A50	50	12 mm	42 mm	75 mm
4/14A50	50	14 mm	42 mm	75 mm
4/16A50	50	16 mm	48 mm	80 mm
4/18A50	50	18 mm	48 mm	80 mm
4/20A50	50	20 mm	52 mm	80 mm
4/25A50	50	25 mm	65 mm	100 mm
4/32A50	50	32 mm	72 mm	105 mm
4/40A50	50	40 mm	80 mm	120 mm

4-xB**WELDON SHANK TOOL HOLDER**

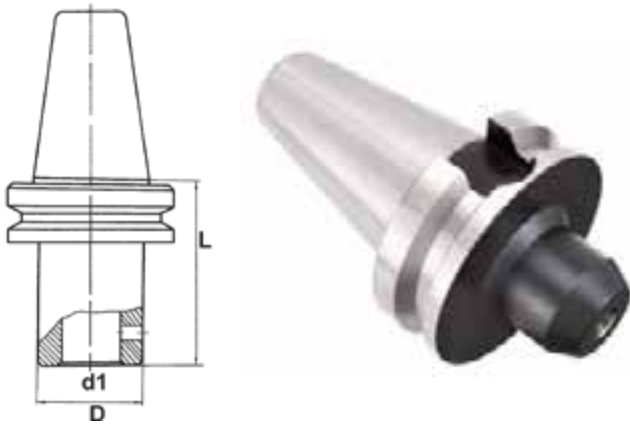
DIN 2080, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 2.000 rpm.



Art.	ISO	d1 - h6	D	L
4/06B40	40	6 mm	25 mm	50 mm
4/08B40	40	8 mm	28 mm	50 mm
4/10B40	40	10 mm	35 mm	50 mm
4/12B40	40	12 mm	42 mm	50 mm
4/16B40	40	16 mm	48 mm	63 mm
4/18B40	40	18 mm	48 mm	50 mm
4/20B40	40	20 mm	52 mm	63 mm
4/25B40	40	25 mm	65 mm	100 mm
4/32B40	40	32 mm	72 mm	80 mm
4/06B50	50	6 mm	25 mm	50 mm
4/08B50	50	8 mm	28 mm	50 mm
4/10B50	50	10 mm	35 mm	50 mm
4/12B50	50	12 mm	42 mm	50 mm
4/16B50	50	16 mm	48 mm	50 mm
4/20B50	50	20 mm	52 mm	63 mm
4/25B50	50	25 mm	65 mm	80 mm
4/32B50	50	32 mm	72 mm	80 mm
4/40B50	50	40 mm	90 mm	90 mm

4-xD
WELDON SHANK TOOL HOLDER

MAS-403 BT, balanced chuck body, for milling cutters (Weldon) according to DIN 1835 B and DIN 6535 HB. Supplied with tightening screw. Balancing 12.000 rpm.



Art.	BT	d1 - h6	D	L
4/06D40	40	6 mm	25 mm	60 mm
4/08D40	40	8 mm	28 mm	60 mm
4/10D40	40	10 mm	35 mm	60 mm
4/12D40	40	12 mm	42 mm	70 mm
4/14D40	40	14 mm	42 mm	70 mm
4/16D40	40	16 mm	48 mm	70 mm
4/18D40	40	18 mm	48 mm	70 mm
4/20D40	40	20 mm	52 mm	75 mm
4/25D40	40	25 mm	63 mm	100 mm
4/32D40	40	32 mm	72 mm	100 mm
4/06D50	50	6 mm	25 mm	65 mm
4/08D50	50	8 mm	28 mm	65 mm
4/10D50	50	10 mm	35 mm	70 mm
4/12D50	50	12 mm	42 mm	75 mm
4/14D50	50	14 mm	42 mm	75 mm
4/16D50	50	16 mm	48 mm	80 mm
4/18D50	50	18 mm	48 mm	80 mm
4/20D50	50	20 mm	52 mm	80 mm
4/25D50	50	25 mm	65 mm	100 mm
4/32D50	50	32 mm	72 mm	105 mm
4/40D50	50	40 mm	80 mm	120 mm

2-xA
MORSE TAPER ADAPTER WITH THREAD

DIN 69871/A, balanced chuck body. Balancing 12.000 rpm.



Art.	ISO	MT	D	L
2/1A40	40	1	25 mm	45 mm
2/2A40	40	2	32 mm	60 mm
2/3A40	40	3	40 mm	75 mm
2/4A40	40	4	50 mm	98 mm
2/2A50	50	2	32 mm	40 mm
2/3A50	50	3	40 mm	50 mm
2/4A50	50	4	50 mm	80 mm
2/5A50	50	5	63 mm	110 mm

2-xB
MORSE TAPER ADAPTER WITH THREAD

DIN 2080, balanced chuck body. Balancing 2.000 rpm.



Art.	ISO	MT	D	L
2/1B40	40	1	25 mm	15 mm
2/2B40	40	2	32 mm	30 mm
2/3B40	40	3	40 mm	64 mm
2/4B40	40	4	50 mm	94 mm
2/2B50	50	2	32 mm	20 mm
2/3B50	50	3	40 mm	30 mm
2/4B50	50	4	50 mm	65 mm
2/5B50	50	5	63 mm	105 mm

**2-xD****MORSE TAPER ADAPTER WITH THREAD**

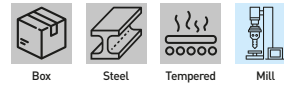
MAS-403 BT, balanced chuck body. Balancing 12.000 rpm.



Art.	BT	MT	D	L
2/1D40	40	1	25 mm	45 mm
2/2D40	40	2	32 mm	60 mm
2/3D40	40	3	40 mm	75 mm
2/4D40	40	4	50 mm	98 mm
2/2D50	50	2	32 mm	40 mm
2/3D50	50	3	40 mm	75 mm
2/4D50	50	4	50 mm	80 mm
2/5D50	50	5	63 mm	110 mm

TIPAx**TIP**

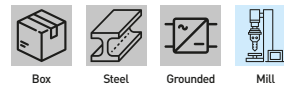
DIN 69871/A.



Art.	ISO
TIPA40	40
TIPA50	50

**TIPDx****TIP**

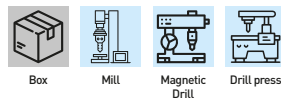
MAS-403 BT.



Art.	ISO
TIPD40	40
TIPD50	50

**M059-****REVERSIBLE TAPPING CHUCK WITH ADJUSTABLE CLUTCH**

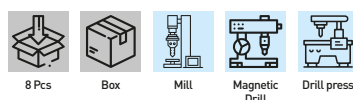
The adjustable safety device with friction reduces the possibility of breaking the male during the execution of the thread. Built-in rotation inverter, immediately active when the feed device is changed. Adjustable clutch in 4 positions. Equipped with 2 flexible pliers and keys for use.



Art.	Tapping range	Dimensions w/o MT	MT	DIN
M059/07	M 2 - 7	Ø 55 x 130h mm	2	B16
M059/12	M 5 - 12	Ø 75 x 162h mm	3	B16
M059/20	M 8 - 20	Ø 91 x 204h mm	4	B22

**M060-****TAPPING CHUCK**

Thanks to the compensation, the possibility of breaking the male during the threading operation is significantly reduced. Possibility of adjusting the intensity of the compensation. Equipped with 6 sockets with Ø 19 mm connection. Sockets per square: N°1 3.5x2.7 mm - N°1 4.5x3.4 mm - N°2 6x4.9 mm - N°1 8x6.2 mm - N°1 10x8 mm - N°1 9x7 mm.

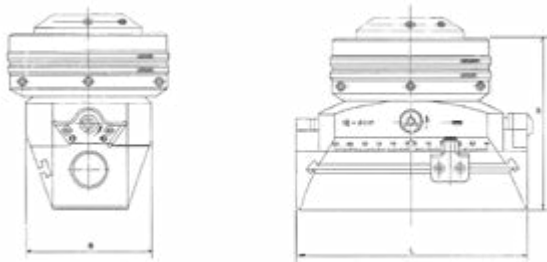
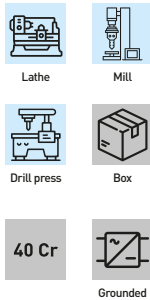


Art.	Tapping range	Arbor length with and without holder	MT
M060/2	M 3 - 12	213 - 175 - Ø 46 mm	2
M060/3	M 3 - 12	228 - 190 - Ø 46 mm	3
M060/4	M 3 - 12	253 - 215 - Ø 46 mm	4



T021-
AUTOMATIC PRECISION BORING HEAD

To slightly correct the axiality and diameter of the holes. It can work automatically and manually.



Art.
T021/030
T021/030CM3
T021/050
T021/100
T021/100/50

	T021/030 T021/030CM3	T021/050	T021/100 T021/100/50
Max facing and boring \varnothing	150 mm	350 mm	450 mm
Max stroke of slide	± 15 mm	± 25 mm	± 50 mm
Fine feed per graduation	0,005 mm	0,005 mm	0,005 mm
Manual feed per revolution	2 mm	3 mm	3 mm
Self acting feed per revolution	0,02-0,04-0,06 0,08-0,10-0,12 mm	0,03-0,06-0,09 0,12-0,15-0,18 mm	0,03-0,06-0,09 0,12-0,15-0,18 mm
\varnothing of tool post holes in head	18 mm	22 mm	22 mm
Max \varnothing of head	90 mm	120 mm	168 mm
Height of head without shank - (H)	87,5 mm	118 mm	118 mm
Weight of head without shank	2,9 kg	6,1 kg	7,8 kg
Length of sliding block	75 mm	105 mm	160 mm
Width of sliding block	70 mm	90 mm	90 mm
Collets hole	4 - 8 - 12 mm	8 - 10 - 12 - 14 mm	8 - 10 - 12 - 14 mm
Accessories	1 - 2 - 6	1 - 2 - 3 - 4 - 5	1 - 2 - 3 - 4 - 5
Extension hole for tool holder	$\varnothing 6$ mm	$\varnothing 10$ mm	$\varnothing 10$ mm

T010-
PRECISION BORING HEAD

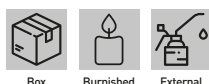
Tool kit not included, to slightly correct the axiality and diameter of the holes.



Art.	Boring head body	Shank	Tools	Max offset	A
T010/5003	$\varnothing 50$ mm	MT3-DIN228A	$\varnothing 12$ mm	15 mm	75 mm
T010/5004	$\varnothing 50$ mm	MT4-DIN228A	$\varnothing 12$ mm	15 mm	75 mm
T010/5040	$\varnothing 50$ mm	ISO 40-DIN2080	$\varnothing 12$ mm	15 mm	81 mm
T010/7540	$\varnothing 75$ mm	ISO 40-DIN2080	$\varnothing 18$ mm	25 mm	99 mm

B001-
SOLID BORING BAR SET FOR PRECISION BORING HEADS

For the various boring operations.



Art.	Suitable	Spindle	Length	Screw	Insert (not included)
B001/12	T010/50	12 \varnothing mm	60 mm	KV250	TCMT110204N
B001/18	T010/75	18 \varnothing mm	99 mm	KV250	TCMT110204N

S007-

CHUCK HOLDER TILTABLE

DIN 2080, DIN 69871/A and MAS BT-TC, it allows the orientation of the tool holders on the vertical and horizontal axes to facilitate the assembly of the tools. The cone of the tool holders is protected by two suitably positioned O-rings. Steel cone, operating levers in thermoplastic material, base to be fixed to the workbench with 4 screws.



Art.	Dimensions	Base	Taper
S007/30	230 x h150 mm	Ø 150 mm	ISO 30 DIN 2080 - SK30 DIN 69871 - BT30 - CAT30 - HSK50A - CAPTO C5
S007/40	235 x h155 mm	Ø 150 mm	ISO 40 DIN 2080 - SK40 DIN 69871 - BT40 - CAT40 - HSK63A - CAPTO C6
S007/50	265 x h200 mm	Ø 180 mm	ISO 50 DIN 2080 - SK50 DIN 69871 - BT50 - CAT50 - HSK100A - CAPTO C10

S014-

CHUCK HOLDER

Equipped with vertical and horizontal position. Base with 4 fixing holes to fix it to the workbench.



Art.	Chuck sizes
S014/40BT	BT 40 ISO 40
S014/40DIN	DIN 69871.40 ISO 40
S014/50BT	BT 50 ISO 50
S014/50DIN	DIN 69871.50 ISO 50

P450A

NEW

TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 20 cone holders.



Dimensions	1080 x 656 x 830h mm
Taper	ISO 50

P440A

NEW

TOOL ROLLING CABINET KIT

Equipped with slotted walls with the insertion of bush holder frames, carrying handle. Supplied in assembly kit with 28 cone holders.



Dimensions	1080 x 656 x 830h mm
Taper	ISO 40

P350A

NEW

TABLE TOOL RACK KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 15 cone holders.



Dimensions	620 x 453 x 350h mm
Taper	ISO 50

P340A

NEW

TABLE TOOL RACK KIT

Frame that can be positioned on the workbench or on the cabinets, designed for the insertion of tool holder bushings on three rows. Supplied in assembly kit with 21 cone holders.



Dimensions	620 x 453 x 350h mm
Taper	ISO 40

PC50A

NEW

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 5 cone holders.



Box

Dimensions	620 x 140 x 90h mm
Taper	ISO 50

PC40A

NEW

TOOL HOLDER SHELF

Equipped with handles for handling. Supplied with 7 cone holders.



Box

Dimensions	620 x 145 x 65h mm
Taper	ISO 40

PC50A/R

NEW

TOOL HOLDER SET

Pin fixing.



10 Pcs



Box

Plastic

Dimensions	140 x 105 mm
Taper	ISO 50

PC40A/R

NEW

SET OF 10 CONE HOLDER BUSHINGS

Pin fixing.



10 Pcs



Box

Plastic

Dimensions	140 x 80 mm
Taper	ISO 40

P4ACS

NEW

COUPLE OF SUPPORTS

For tool rolling cabinet.

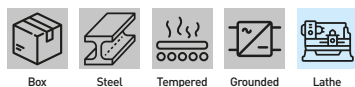


Steel



**C046-****ROTARY LIVE CENTER**

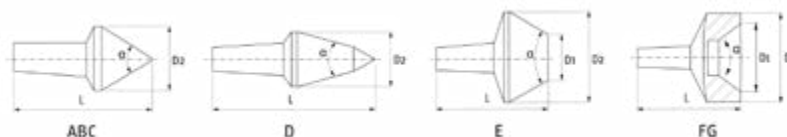
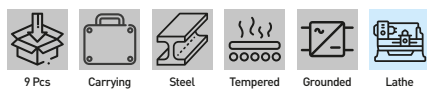
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining.



Art.	MT	Center	Body	Length	rpm max	Maximum capacity
C046/2	2	60° - max Ø21mm	Ø 45 mm	152 mm	2500 g/min	50 kg
C046/3	3	60° - max Ø27 mm	Ø 53 mm	180 mm	2500 g/min	75 kg
C046/4	4	60° - max Ø29 mm	Ø 63 mm	218 mm	2000 g/min	150 kg
C046/5	5	60° - max Ø37 mm	Ø 80 mm	276 mm	2000 g/min	200 kg

C050-**PRECISION LIVE CENTER SET**

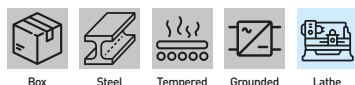
Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining. Complete with 7 interchangeable inserts and extractor for the inserts.



Art.	MT	A	B	C	D	E	F	G
C050/2	2	L2 39 mm - D2-D3 16 mm - α 60° mm	L2 35,5 mm - D2-D3 16 mm - α 75° mm	L2 33 mm - D2-D3 16 mm - α 90° mm	L2 46 mm - D2-D3 16 mm - α 60° mm	L2 40 mm - D2-D3 25 mm / 10 mm - α 60° mm	L2 36 mm - D2-D3 16 mm / 10 mm - α 60° mm	L2 39 mm - D2-D3 20 mm / 16 mm - α 60° mm
C050/3	3	L2 48 mm - D2-D3 20 mm - α 60° mm	L2 43,5 mm - D2-D3 20 mm - α 75° mm	L2 40,5 mm - D2-D3 20 mm - α 90° mm	L2 56 mm - D2-D3 18 mm - α 60° mm	L2 50 mm - D2-D3 35 mm / 15 mm - α 60° mm	L2 42 mm - D2-D3 22 mm / 18 mm - α 60° mm	L2 48 mm - D2-D3 35 mm / 30 mm - α 60° mm
C050/4	4	L2 61,5 mm - D2-D3 28 mm - α 60° mm	L2 55,5 mm - D2-D3 28 mm - α 75° mm	L2 51,5 mm - D2-D3 28 mm - α 90° mm	L2 73 mm - D2-D3 26 mm - α 60° mm	L2 61,5 mm - D2-D3 55 mm / 30 mm - α 60° mm	L2 55 mm - D2-D3 40 mm / 35 mm - α 60° mm	L2 60 mm - D2-D3 55 mm / 48 mm - α 60° mm

C055-**TUBE ROTARY LIVE CENTER**

For turning and grinding of pipes and hollow bodies.



Art.	MT	Ø	Length	rpm max	Maximum capacity
C055/3	3	60° - 30 ÷ 100 mm	170 mm	2500 g/min	200 kg
C055/4	4	60° - 40 ÷ 160 mm	230 mm	1600 g/min	350 kg
C055/5	5	60° - 66 ÷ 200 mm	290 mm	1500 g/min	350 kg

C053-**CARBIDE TIPPED DEAD CENTER**

Mainly used in lathes with the aim of stabilizing long and thin pieces, more subject to bending or uncontrolled oscillation caused by the forces generated during machining.



Art.	MT	Carbide center max	Length
C053/2	2	60° - max Ø 8 mm	100 mm
C053/3	3	60° - max Ø 11 mm	125 mm
C053/4	4	60° - max Ø 13 mm	160 mm
C053/5	5	60° - max Ø 17 mm	200 mm

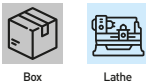
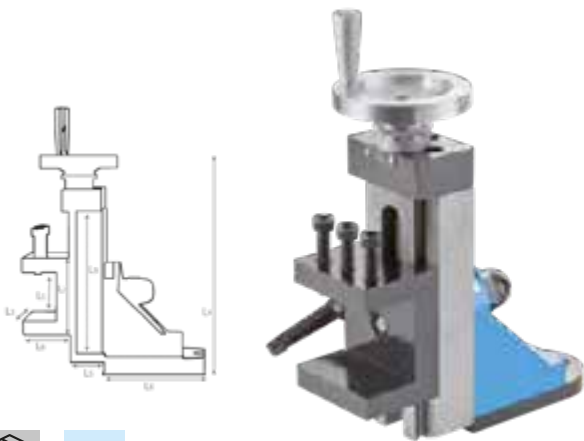
HOW TO CHOOSE YOUR TOOL POST

LATHE CENTERS HEIGHT	TOOL POST TYPE
90 mm	A0
120 mm	A1
140 mm	A
150 - 200 mm	E
200 - 250 mm	B
250 - 350 mm	C

0688

LATHE MILL TABLE UNIVERSAL DEVICE

It allows you to perform a surface machining on the clamped piece with the use of the lathe spindle as a tool holder. Fixing by mechanical adaptation to the machine in which it is to be applied.



L1	52 mm
L2	80 mm
L3	65 mm
L4	220 mm
L5	37 mm
L6	110 mm
L8	46 mm
L9	150 mm

T00x

QUICK CHANGE TOOL POST

With hardened and ground tooling. By acting on an eccentric pin, the tool holder is locked on the tooling of the body. It allows reproducibility of 40 possible angular positions of the tool holder. This accuracy is maintained even after countless tool changes. Consisting of: 1 tool holder turret, 3 flat seat tool holders, 1 prismatic seat tool holder.

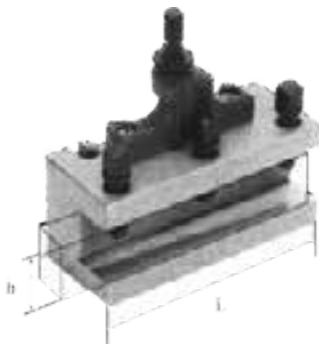


Art.	R max	S max	P	H	X min
T00A	100 mm	54 mm	48 mm	16 mm	30 mm
T00B	150 mm	75 mm	71 mm	25 mm	37 mm
T00C	202 mm	105 mm	102 mm	32 mm	47 mm
T00E	125 mm	68 mm	60 mm	20 mm	35 mm

T00x-D

FLAT TYPE TOOL HOLDERS

Type D equipped with screw for height adjustment and 3 clamping screws.

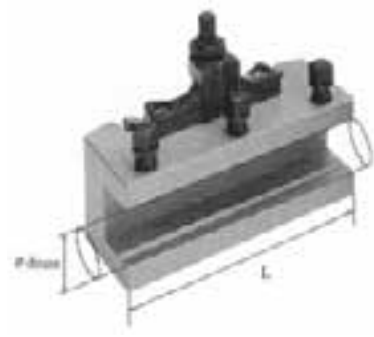


Art.	L	h
T00A/D	80 mm	16 mm
T00B/D	120 mm	25 mm
T00C/D	150 mm	32 mm
T00E/D	100 mm	20 mm

T00x-B

PRISMATIC TYPE TOOL HOLDERS

Type B equipped with screw for height adjustment and 3 clamping screws.



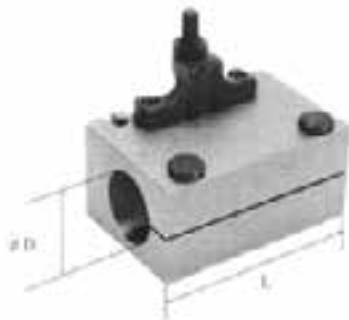
Art.	L	d max
T00A/B	80 mm	20 mm
T00B/B	130 mm	32 mm
T00C/B	160 mm	32 mm
T00E/B	100 mm	30 mm



T00x-S

TOOL HOLDERS FOR SOCKET

Type S, suitable for housing Morse taper bushes cod. C40142, and for the direct housing of turning bars. Equipped with adjustment screw and 2 locking screws.



Art.	L	D
T00A/S	80 mm	30 mm
T00B/S	120 mm	40 mm
T00C/S	150 mm	40 mm
T00E/S	100 mm	30 mm

T0Ax

QUICK CHANGE TOOL POST

For quick tool changes thanks to the lock / unlock lever. Composed of: - 1 tool post - 4 flat type tool holders.



Art.	Length	Width	Working height	Hole	Tool height
T0AA	57 mm	64 mm	56 mm	14,4 mm	14 mm
T0AB	95 mm	85 mm	76 mm	19,9 mm	20 mm
T0AC	100 mm	100 mm	92 mm	22,22 mm	25 mm
T0AE	76,5 mm	76,5 mm	90 mm	16,5 mm	20 mm

T00Ax

QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin. Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.

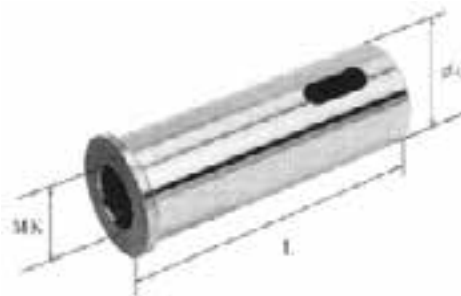


Art.	Length	Width	Height	Hole	Tool height
T00A0	60 mm	50 mm	30 mm	10 mm	12 mm
T00A0L	60 mm	50 mm	40 mm	10 mm	12 mm
T00A1R	68 mm	68 mm	47 mm	10 mm	19 mm

T00x-LC

REDUCTION SLEEVE

For housing tools with MT attachment.



Art.	L	d	MT
T00AE/LCM1	80 mm	30 mm	1
T00AE/LCM2	95 mm	30 mm	2
T00BC/LCM2	105 mm	36 mm	2
T00BC/LCM3	120 mm	40 mm	3
T00BC/L 4	150 mm	40 mm	4

T0Ax-D

FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws.



Art.	Length	Width	Height	Tool height
T0AA/D	76 mm	25,5 mm	38 mm	14 mm
T0AB/D	108 mm	35 mm	54 mm	20 mm
T0AC/D	125 mm	40 mm	63 mm	25 mm
T0AE/D	89 mm	29 mm	45 mm	20 mm

T00Ax-PP

FLAT TYPE TOOL HOLDERS

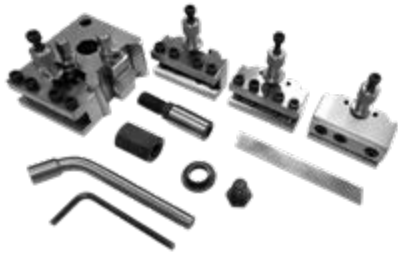
Quick change with flat seat equipped with screw for height adjustment and 2 tightening screws.



Art.	Length	Width	Height	Tool height
T00A0/PP	50 mm	22 mm	24 mm	12 mm
T00A1R/PP	66 mm	27 mm	46 mm	19 mm

T00A1
QUICK CHANGE TOOL POST

For quick tool changes thanks to the locking / unlocking pin. Composition of the set: - 1 tool holder turret - 3 tool holders with flat seat.



Box



Lathe

Length	57 mm
Width	57 mm
Height	37 mm
Hole	16 mm
Tool height	14 mm

T00A1/LR
NEW
BLADE TOOL

For cutting operations. For T00A1/PL blade holder.


**HSS
M2**


Cut



Lathe

Length	101,6 mm
Height	12,7 mm
Thickness	2,38 mm

T00A1/SP
NEW
TOOL HOLDER PRISMATIC SEAT

Quick-change. Equipped with height adjustment screw and 4 clamping screws.



Box



Lathe

Length	58 mm
Width	28,5 mm
Height	25 mm
Tool height	12 mm

T00A1/PP
FLAT TYPE TOOL HOLDERS

Quick change with flat seat equipped with screw for height adjustment and 4 tightening screws.



Box



Lathe

Length	58 mm
Width	28,5 mm
Height	25 mm
Tool height	12 mm

T00A1/PL
NEW
BLADE TOOL HOLDER

Quick-change. Equipped with height adjustment screw and 3 blade clamping screws.



Box



Lathe

Length	58 mm
Width	30,5 mm
Height	25 mm
Tool height	13 mm





M038

CROSS FEED MOTOR

For X axis, horizontal motor position, table with feed through adjustable potentiometer for displacements and button for rapid movements, moreover the rotation of the motor is both clockwise and anticlockwise.



Round speed	0 ÷ 200 rpm
Torque	5,1 Nm
Motor	230 V 50 Hz 0,1 kW
Net weight	6 kg



P018-

COOLING SYSTEM FOR MACHINES

To allow refrigeration on machines such as lathes, column drills, cutters not equipped with a system.



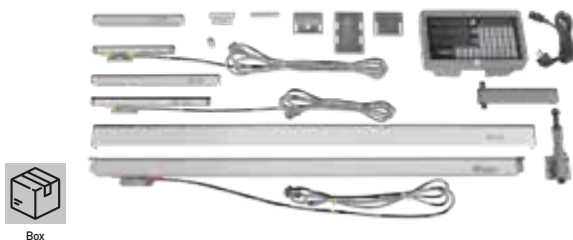
Art.	Power	Tank capacity	Pump capacity
P018/230V	230V - 50Hz - 40W	10 l	22 l/min
P018/400V	400V - 50Hz - 40W	10 l	22 l/min



T999/3A

LATHE DISPLAY KIT

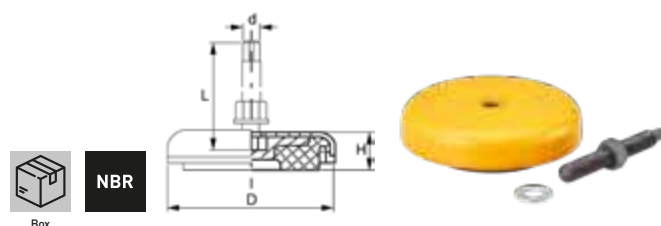
Equipped with 3-axis display, measuring lines and connection cables.



Straight jaws Cross slide 335 mm | Long. turret 235 mm | Long. slide 1170 mm

0715-

ANTI-VIBRATION MOUNTINGS



Art.	D	d	L	H	Capacity
0715/0080	40 mm	M5	40 mm	15 mm	80 Kg
0715/0400	80 mm	M10	95 mm	25 mm	400 Kg
0715/1100	120 mm	M12	125 mm	33 mm	1100 Kg
0715/2000	160 mm	M16	145 mm	35 mm	2000 Kg

T200

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 6 mm and connection of 1/4". completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n. 20 segments, n.1 nozzle: hole Ø1,5 mm, n.1 nozzle: hole Ø3 mm, n.1 nozzle: hole Ø7 mm, n.1 fitting: 1/8", n.1 fitting: 1/4" and n.1 plain nozzle.

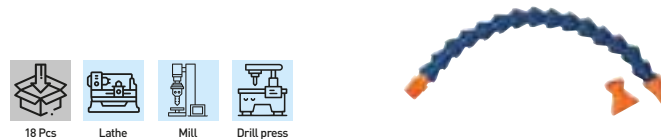


Total length	330 mm
Hose diameter	6 mm - 1/4"

T201

COOLING HOSE

Suitable for liquids and air, resistant to vibrations, internal diameter of 12 mm and connection of 1/2". Completely hermetic, constant internal diameter in any position, unalterable to normal chemicals. Composed of: n.12 segments n.1 nozzle - hole: Ø6 mm, n.1 nozzle - hole: Ø9.5 mm, n.1 nozzle - hole: Ø12.5 mm, n.1 fitting 1/2", n.1 fitting 3/8", n.1 plain nozzle.



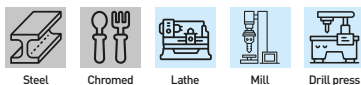
Total length	320 mm
Hose diameter	12 mm - 1/2"


T202
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquid and air mounting and unalterable to normal chemical agents, internal diameter of 6 mm and 1/4" connection. Consisting of: 1 hose clamp, 1 Y fitting, 2 fittings: 1/8", n.2 fittings: 1/4", n.1 tap with 1/4" fitting, n.1 tap with hose connection, n.6 nozzles (2pcs 1/16", 2pcs 1/8" and 2pcs 1/4"), 3 spatula nozzles, 2 spatula nozzles with holes, 3 90° nozzles, 1 90° nozzle with holes, 6 pipes l=150 mm consisting of 10 segments the one.



Hose diameter 6 mm - 1/4"

T338-
CHROMED METAL JOINTED TUBE FOR REFRIGERATING LIQUIDS


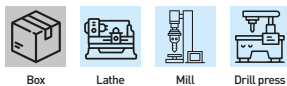
Art.	Total length	Thread
T338/500	500 mm	3/8"
T338/600	600 mm	3/8"

Tx
LATHE CHUCK SAFETY GUARD STEEL FRAME WITH LEXAN SCREEN


Art.	Dimensions
T400	Ø 400 x 200 mm
T500	Ø 500 x 220 mm
T600	Ø 600 x 280 mm

P100/250
MACHINE TOOL SAFETY GUARD

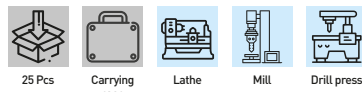
With safety microswitch, adjustable height.



Spindle	400 mm
Shield	150x250 H x L mm

T203
NEW
ARTICULATED MODULAR HOSE SET FOR REFRIGERANT LIQUIDS

Suitable for liquids and air and unalterable to normal chemical agents, internal diameter of 12 mm and 1/2" connection. Composed of: no.1 hose assembly pliers, no.1 Y-connector, no.2 fittings: 1/2", no.2 fittings: 3/8", no.1 tap with hose connection, no.1 tap with 1/2" connection, no.1 1/2" articulated connection, no.6 nozzles (2pcs with Ø6 mm hole, 2pcs with Ø9.5 mm hole and 2pcs with Ø12.5 mm hole), no.3 90° nozzles, no.3 90° nozzles with holes, no.6 pipes l=160 mm composed of 7 segments each.



Hose diameter 12 mm - 1/2"

S100
BENCH GRINDER SAFETY GUARD WITH LEXAN SCREEN

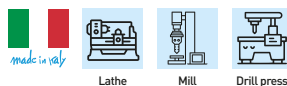

Dimensions 110 x 120 mm

Mx
UNIVERSAL SUPPORT UNIT FOR LATHE WITH CHUCK SAFETY GUARD WITH MICROSWITCH


Art.	Spindle	Length
M400	ø 30 mm	350 mm
M500	ø 30 mm	400 mm
M600	ø 30 mm	450 mm

P101-
MACHINE TOOL SAFETY GUARD

Adjustable and tilting height, lexan screen, safety microswitch.



Art.	Spindle	Shield
P101/300	400L mm	150 x 350 H x L mm
P101/350	500L mm	150 x 400 H x L mm
P101/400	600L mm	200 x 500 H x L mm



0531A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



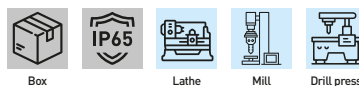
Power	24 V 13 W AC/DC
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	110 mm
Diameter	125 mm
Joints	1



0532A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	24 V 13 W AC/DC
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	890 mm
Diameter	125 mm
Joints	3



0532A/230V

LED LIGHT MACHINE OPERATION LAMP

Articulated, with transformer.



Power	230 V 50 Hz 13 W
Luminous flux	1800 lm
Color temperature	6500 K
LED number	9
Height	900 mm
Diameter	125 mm
Joints	3



0371

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	24V 10W
Luminous flux	1200 lm
Color temperature	6500 K
Joint height	110 mm
Diameter	110 mm
Joints	1



0537A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	24V 7W
Luminous flux	700 lm
Color temperature	6500 K
LED number	7
Height	100 mm
Diameter	90 mm
Joints	1



0538A

LED LIGHT MACHINE OPERATION LAMP

Articulated, without transformer.



Power	24V 7W
Luminous flux	700 lm
Color temperature	6500 K
LED number	7
Height	650 mm
Diameter	90 mm
Joints	3



0536

MACHINE TOOL OPERATION LAMP

Flexible, with transformer and magnetic base.



Height max	620 mm
With transformer	230 V / 12 V 25 W



0536A

LED LIGHT MACHINE OPERATION LAMP

Flexible, with transformer and magnetic base.



Power	230V / 5W
Height	600 mm
Diameter	60 mm
Joints	1
Intensity	500 lm - 6400 K

