



GERARDI FOCUS

VICES AND FIXTURES FOR WORKPIECES POSITIONING AND CLAMPING



AUTOMATIC
VISE

INTERFACE
PLATE

GRIPPER

ZERO POINT
PLATE

NEW

5G Vises

Advanced technology for
5 axis machine

Magnetic Chucks

Electro-permanent system
for milling operation

TOOLING

Angle Heads

More than 700 models
available

Driven Tools

Upgrade your lathe and
boost productivity!

AUTOMATION

GripMatic Vises

The automatic & self-centering

Grippers

Pneumatic grippers: high
performance & accuracy

THE AUTOMATIC & SELF-CENTERING THE FIRST STEP TOWARDS AUTOMATION



Pneumatic double effect or hydraulic

NEW

FULLY AUTOMATIC

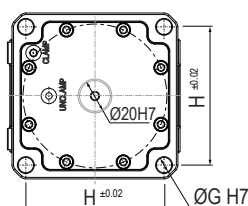
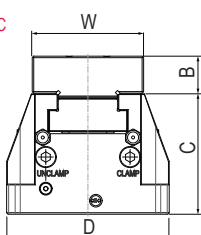
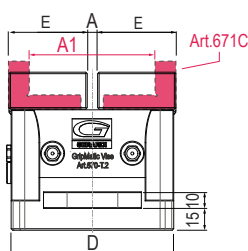
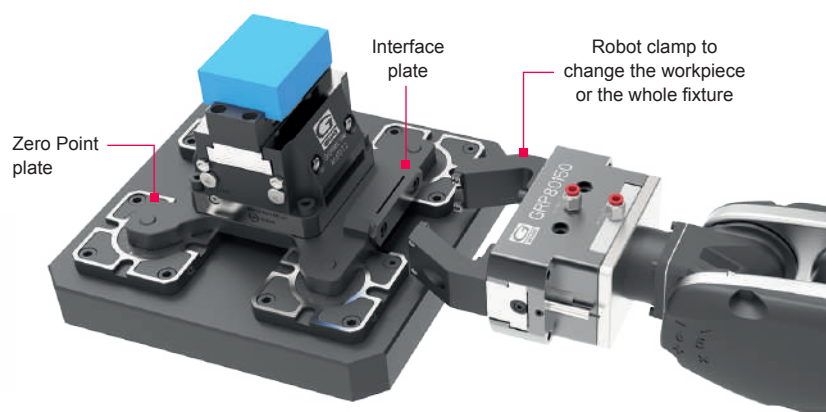
Configured for the complete handling by CNC, to automate the clamping process and increasing the productivity of your company. Unattended use possible, CNC manageable, ideal for automatic workpiece loading by robot

ZERO POINT READY

Set-up for the quick and safe positioning through an interface Zero Point plate (also automatic)

CLAMPING FORCE

Art.670	PN	ID
T.2	7 kN	19 kN
T.3	14,4 kN	37,5 kN
T.4	16,9 kN	47 kN



Thanks to the internal mold springs, Art.670 GripMatic pneumatic vise allows to obtain **better clamping parameters**, in respect to the normal functioning. This system guarantees a higher safety level as it clamps the workpiece even in case of pressure loss and so avoiding fixtures damages and workers injuries.

PNEUMATIC SELF-CENTERING VISE BASE MODULE MAX 10 BAR - ART. 670PN

		Stroke A	A1	B	C	D	E	G	H	W	Kg	Cod.
Type	2 (7 kN)	6,5	88,9	25	80	108	52	10	90	74	5,2	7.67.0PN20
	3 (14,4 kN)	9,7	130,2	30	105	166	78	12	140	99	16,1	7.67.0PN30
	4 (16,9 kN)	12.1	162	35	130	206	95	16	170	124	31,1	7.67.0PN40



HYDRAULIC SELF-CENTERING VISE BASE MODULE MAX 35 BAR * - ART. 670ID

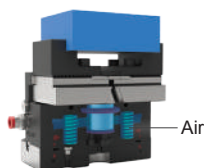
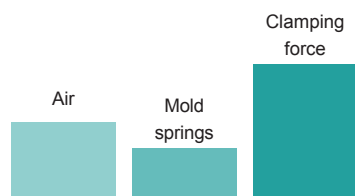
		Stroke A	A1	B	C	D	E	G	H	W	Kg	Cod.
Type	2 (19 kN)	6,5	88,9	25	80	108	52	10	90	74	5,2	7.67.01D20
	3 (37,5 kN)	9,7	130,2	30	105	166	78	12	140	99	16,1	7.67.01D30
	4 (47 kN)	12.1	162	35	130	206	95	16	170	124	31.1	7.67.01D40



* Soon available 60 or 350 BAR

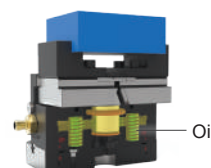
(Type 4, MAX 25 BAR)

PNEUMATIC VISE - 670PN



- Air

HYDRAULIC VISE - 670ID



Also available
60 Or 350 bar

$$-O_i$$

Pneumatic	Type 2	Type 3	Type 4
Air Pressure Input (bar)	Clamping Force (kN)	Clamping Force (kN)	Clamping Force (kN)
7	5,6	10,7	11,4
8	6,1	12,3	13,3
9	6,6	13,2	14,6
10	7	14,4	16,9



To increase the air pressure use the multiplier Art.408

Hydraulic	Type 2	Type 3	Type 4
Oil Pressure Input (bar)	Clamping Force (kN)	Clamping Force (kN)	Clamping Force (kN)
10	5,8	15	-
15	8,5	21	27
20	11,7	27	38
25	14,5	33,5	47
30	17	37,5	-

Some factors as lubrication, clamping on the machine table, frictions and more can modify above values within a $\pm 10\%$

GRIPMATIC JAWS

ART. 671A

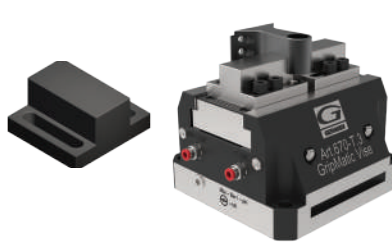
Soft machineable movable jaw



Example 1

ART. 671B

Soft machineable narrow movable jaw



Example 2

ART. 671C

Step movable jaw for width standard jaw plates



Example 3

PNEUMATIC GRIPPERS HIGH PERFORMANCE & ACCURACY

NEW

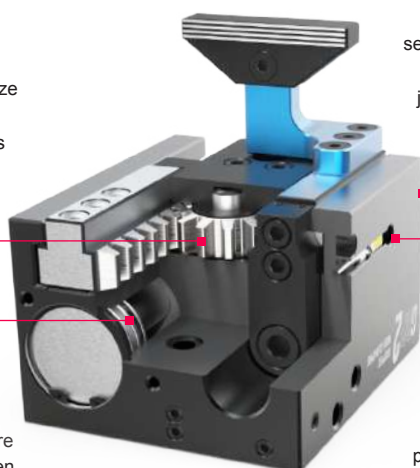
GRP2

The gripper with **double long slides** allows for a very wide jaw stroke thanks to which a wide range of parts and equipment of different shapes and sizes can be gripped

Central gear and rack structure of slides to synchronize the simultaneous movement of slides

Magnetic proximity sensors that let you know at any time whether the jaws are open or closed

The double-acting piston chambers are pneumatically driven by the same pump



Slides with arrangements for mounting any custom jaw according to production requirements

HIGH GRIPPING FORCE

High efficient boosting mechanism ensures a firm gripping when handling the workpiece

INNOVATIVE

The optimized and innovative design with reduced overall dimensions and internal components grant higher reliability, easier mounting and less maintenance

COMPACT

High tensile aluminium alloy body provides lightweight and high rigidity

HARDNESS

Anodized aluminum jaws ensure high resistance to oxidation and extreme lightness

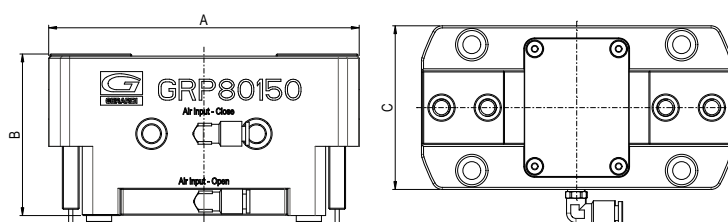
SPECIAL JAWS AVAILABLE



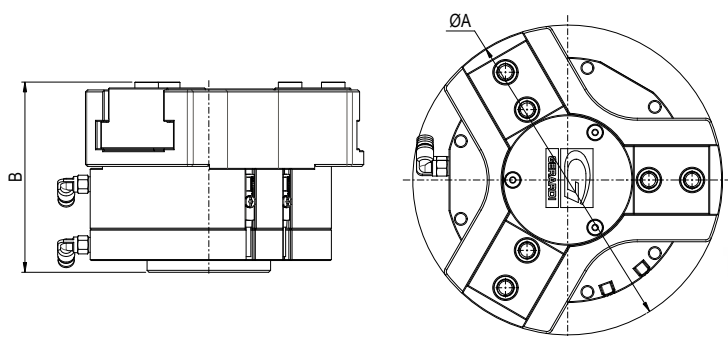
GERARDI

NEW Double-Slide Grippers

GRP 50120 GRP 80150 GRP 92240

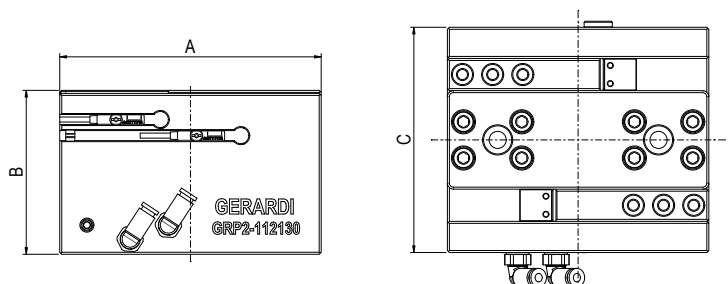


GRP 3D120 GRP 3D160 GRP 3D240



GRP 2-112130

NEW



— STD SERIES



Accuracy
±0,02mm



Hardened
HRC 58±2

THE ORIGINAL & MOST COPIED VISE IN THE WORLD!

TECHNICAL FEATURES & ADVANTAGES

- No wear: high alloyed quality resistance steel, case hardened HRC 60 $\pm$ 2,
- Quick clamping
- Modularity & versatility
- Highest accuracies $\pm$ 0,02 mm
- Rigidity & safety
- Space saving design & handy

PRISMATIC JAW

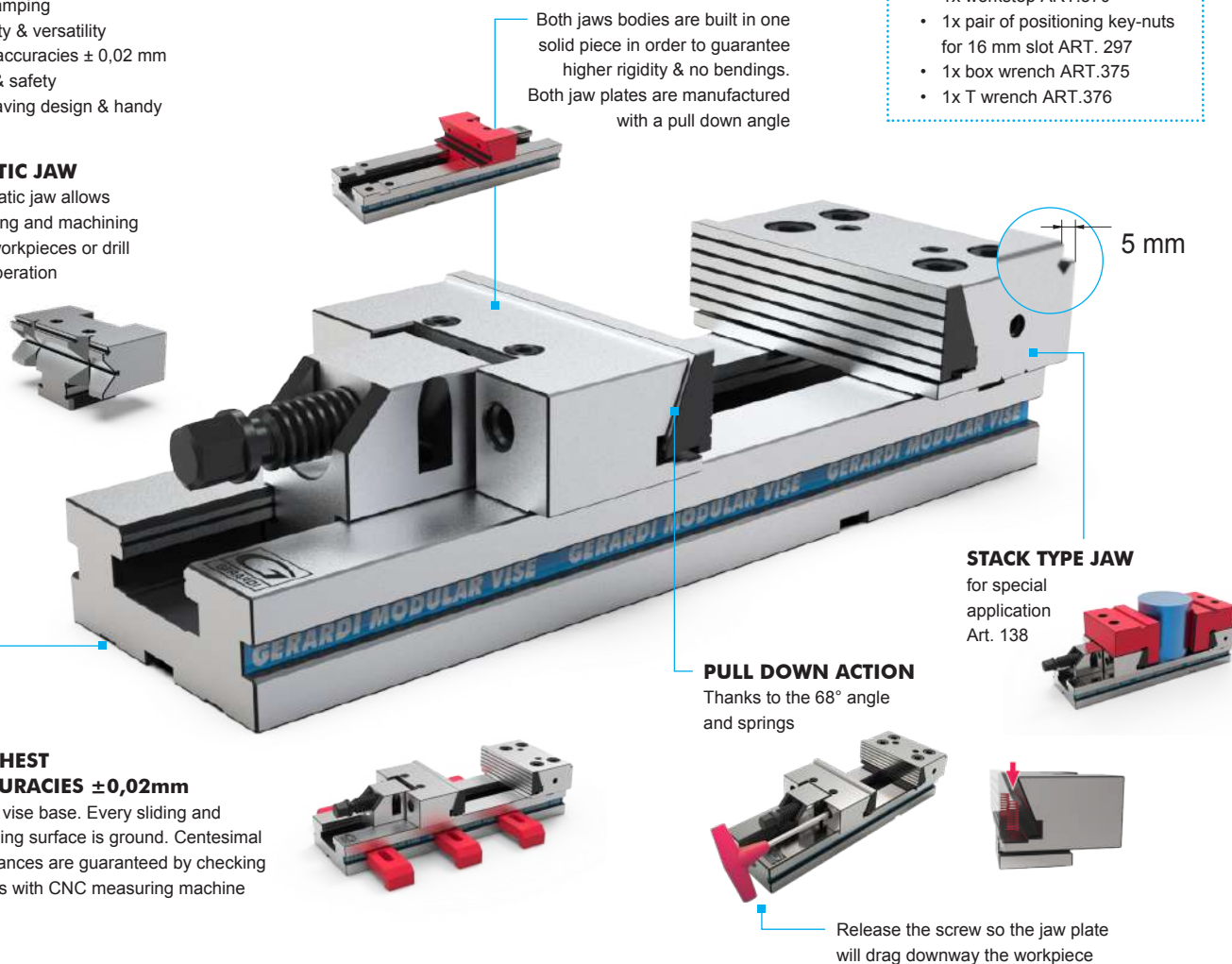
The prismatic jaw allows the clamping and machining of round workpieces or drill through operation

SOLID GUIDED JAWS

- Both jaws bodies are built in one solid piece in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a pull down angle

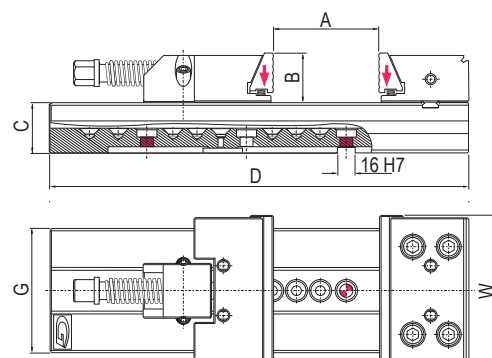
**Supplied with Gerardi Standard
Series Machine Vise:**

- 1x workstop ART.370
- 1x pair of positioning key-nuts for 16 mm slot ART. 297
- 1x box wrench ART.375
- 1x T wrench ART.376



STANDARD SERIES VISES - ART. 1

	A	W	B	C	D	G	Kg	Cod.	
Vise Size	1 (16kN)	100	100	30	35	270	75	6.8	3.01.00000
	2 (25kN)	150	125	40	40	345	95	12.9	3.02.10000
	3 (30kN)	200	150	50	50	420	125	25.5	3.03.20000
		300				520		29	3.03.30000
	4 (30kN)	200	175	60	58	455	145	37	3.04.20000
		300				555		42	3.04.30000
		400				655		47	3.04.40000
	5 (40kN)	300	200	65	70	595	170	69	3.05.30000
		400				695		74	3.05.40000
		500				795		79	3.05.50000
	6 (40kN)	600	300	80	78	935	195	135	3.06.60000
		700				1035		145	3.06.70000
800		1135				155		3.06.80000	





FIND OUT MORE

Innovative comb system for quick pull-down jaw plate changes: the most popular

XL SERIES VISES FOR THE LARGEST WORKPIECES

XL SINGLE OPENING (ART.21) + DOUBLE OPENING (ART.30) VISES

							ART. 21		ART. 30			
	A	W	B	C	D	G	Kg	Cod. 21	A1	Kg	Cod. 30	
Vise Size	1 (16kN)	290	100	30	35	460	75	10	2.21.12900	2 x 90	14.5	3.31.00600
	2 (25kN)	320	125	40	40	520	95	17	2.21.23200	2 x 100	21	3.32.10600
	3 (30kN)	360	150	50	50	580	125	32	2.21.33600	2 x 110	39	3.33.20600
		460				680		35	2.21.34600	2 x 160	43	3.33.30600
	4 (30kN)	400	175	60	58	666	145	47	2.21.44000	2 x 120	59	3.34.20600
		500				766		52	2.21.45000	2 x 170	64	3.34.30600
		600				866		56	2.21.46000	2 x 220	69	3.34.40600
	5 (40kN)	600	200	65	70	905	170	69	2.21.56000	2 x 200	102	3.35.30600
		700				1005		74	2.21.57000	2 x 250	108	3.35.40600
		800				1105		79	2.21.58000	2 x 300	114	3.35.50600
	6 (40kN)	700	300	80	78	1100	195	115	2.21.67000	2 x 260	171	3.36.40600
		800				1200		125	2.21.68000	2 x 310	179	3.36.50600
		900				1300		135	2.21.69000	2 x 360	187	3.36.60600

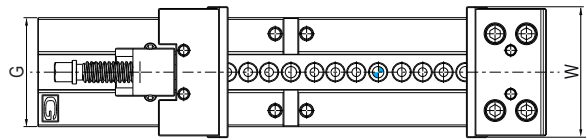
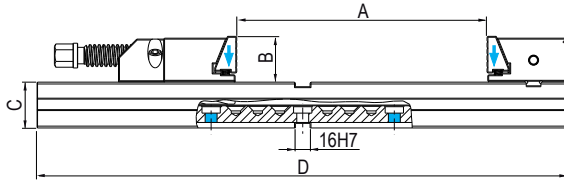


ART. 21

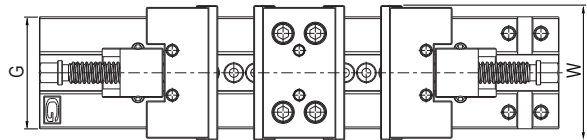
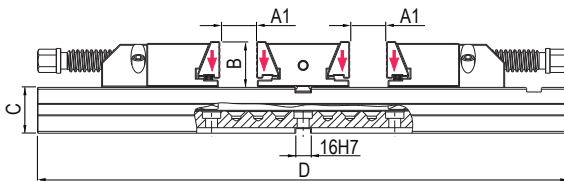


ART. 30

ART. 21



ART. 30



SPARE PARTS

JAWS (Super Narrow Width Available)

- Fixed
- Movable
- Intermediate
- Fixed with single plate
- Fixed with double plate
- Stack Type Jaws

JAWS PLATES

- Pull down
- Straight
- Quick manual change (StandardFlex Only)
- Integral GRIP
- GRIP Inserts

POSSIBILITY

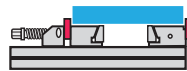
- Side mounting or gang operation
- Zero Point ready
- Vise tower
- Automatic dividing head
- Mechanical dividing head

TYPE

- Smooth
- Grooved (Standard Only)
- Serrated
- Machineable



ART.210
Solid guided movable jaws for round workpieces



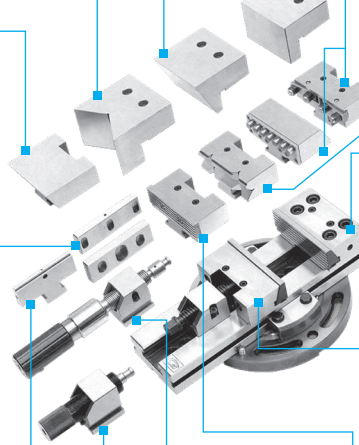
ART.132/133
Extension for movable and fixed jaws



ART.212
Intermediate movable jaws with double step



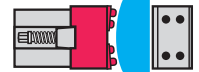
ART.131/138/150
Stack type jaws



ART.257/258/271
Spindle clamping devices

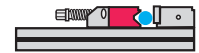
ART.190

Body guided floating movable jaw with 2 floating segments



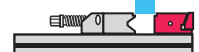
ART.217

Solid guided movable prismatic jaws (for plates & round workpieces clamping)



ART.120

The solid standard fixed jaws with 5x5 mm back steps are matchable, if turned of 180°, to the prismatic movable jaw (Art.217) to be ordered separately



ART.127

Guided movable jaws built in one solid body with a pull down angle



ART.246

Solid guided movable jaw with straight plates





FIND OUT MORE

Innovative comb system for quick pull-down jaw plate changes: the perfect mix of price+quality

XL SERIES VISES FOR THE LARGEST WORKPIECES

XL SINGLE OPENING (ART.20A) + DOUBLE OPENING (ART.30A) VISES

		A	W	B	C	D	G	ART. 20A		ART. 30A		
								Kg	Cod. 21	A1	Kg	Cod. 30
Vise Size	1 (16kN)	290	96	28	35	460	75	6.8	2.20.A1290	2 x 90	8,1	2.30.A1900
	2 (25kN)	320	121	38	40	520	95	12.9	2.20.A2320	2 x 100	15,8	2.30.A2100
	3 (30kN)	360	146	48	50	580	125	25.5	2.20.A3360	2 x 110	31,5	2.30.A3110
		460				680		29	2.20.A3460	2 x 160	35	2.30.A3160
	4 (30kN)	400	171	58	58	666	145	37	2.20.A4400	2 x 120	46,3	2.30.A4120
		500				766		42	2.20.A44500	2 x 170	51,3	2.30.A4170
		600				866		47	2.20.A4600	2 x 220	56,3	2.30.A4220
	5 (40kN)	600	196	63	70	905	170	69	2.20.A5600	2 x 200	84	2.30.A5200
		700				1005		74	2.20.A5700	2 x 250	89	2.30.A5250
		900				1205		84	2.20.A5900	2 x 350	99	2.30.A5350
	6 (40kN)	700	296	78	78	1100	195	115	2.20.A6700	2 x 260	145	2.30.A6260
		800				1200		125	2.20.A6800	2 x 310	155	2.30.A6310
		900				1300		135	2.20.A6900	2 x 360	165	2.30.A6360

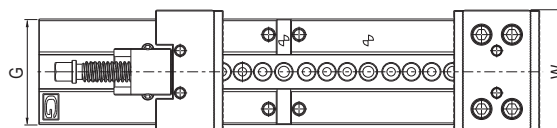
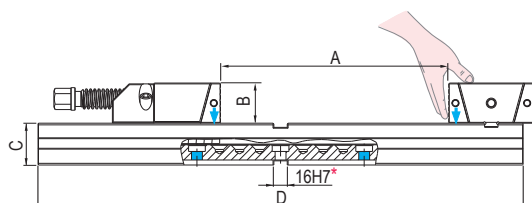


ART. 20A



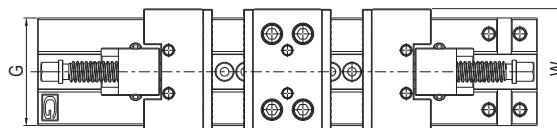
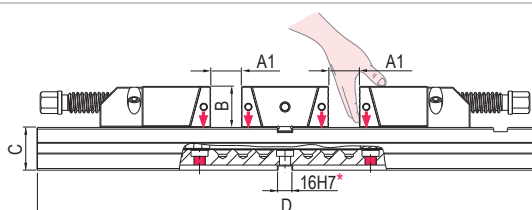
ART. 30A

ART. 20A



* Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2-3-4-5-6)
Add 1 movable jaw to turn into a double XL vise

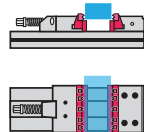
ART. 30A



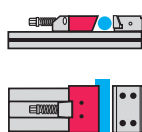
* Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2-3-4-5-6)
Remove 1 movable jaw to turn into a single XL vise

SPARE PARTS

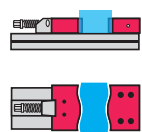
PULL DOWN JAWS PLATES INTERCHANGEABLE BY HAND



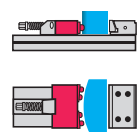
ART.242G/246G
With grip inserts with magnetic parallel. Normal & Narrow Width



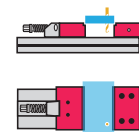
ART.210
Solid guided movable for round workpieces



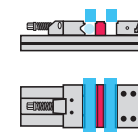
ART.160
Fixed machineable. Normal width (W3)



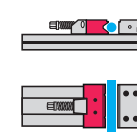
ART.192
Floating movable with two floating elements and spherical smooth points



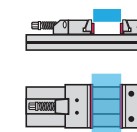
ART.200
Fixed. Normal width (W3)



ART.212
Intermediate movable (to be used with Art. 313)

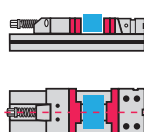


ART.217
Prismatic guided movable

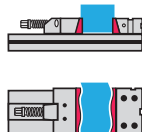


ART.313/314
Pair of guided parallels magnetic. Normal & angular

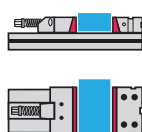
JAW PLATES COMPATIBLE ONLY WITH STDFLEX VISES



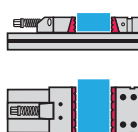
ART.230SLD
Discharged comb jaw plate



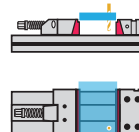
ART.230B
Soft comb interchangeable jaw plate



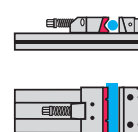
ART.230C
Smooth comb interchangeable jaw plate



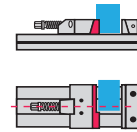
ART.230D
Serrated comb interchangeable jaw plate



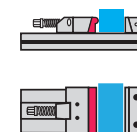
ART.230E
Step comb interchangeable jaw plate



ART.230F
Prismatic comb interchangeable jaw plate



ART.230G
90° interchangeable comb jaw plate



ART.230H
Round comb interchangeable jaw plate

MODULAR ELEMENTS



Accuracy
 $\pm 0,02\text{mm}$



Hardened
HRC 58 ± 2

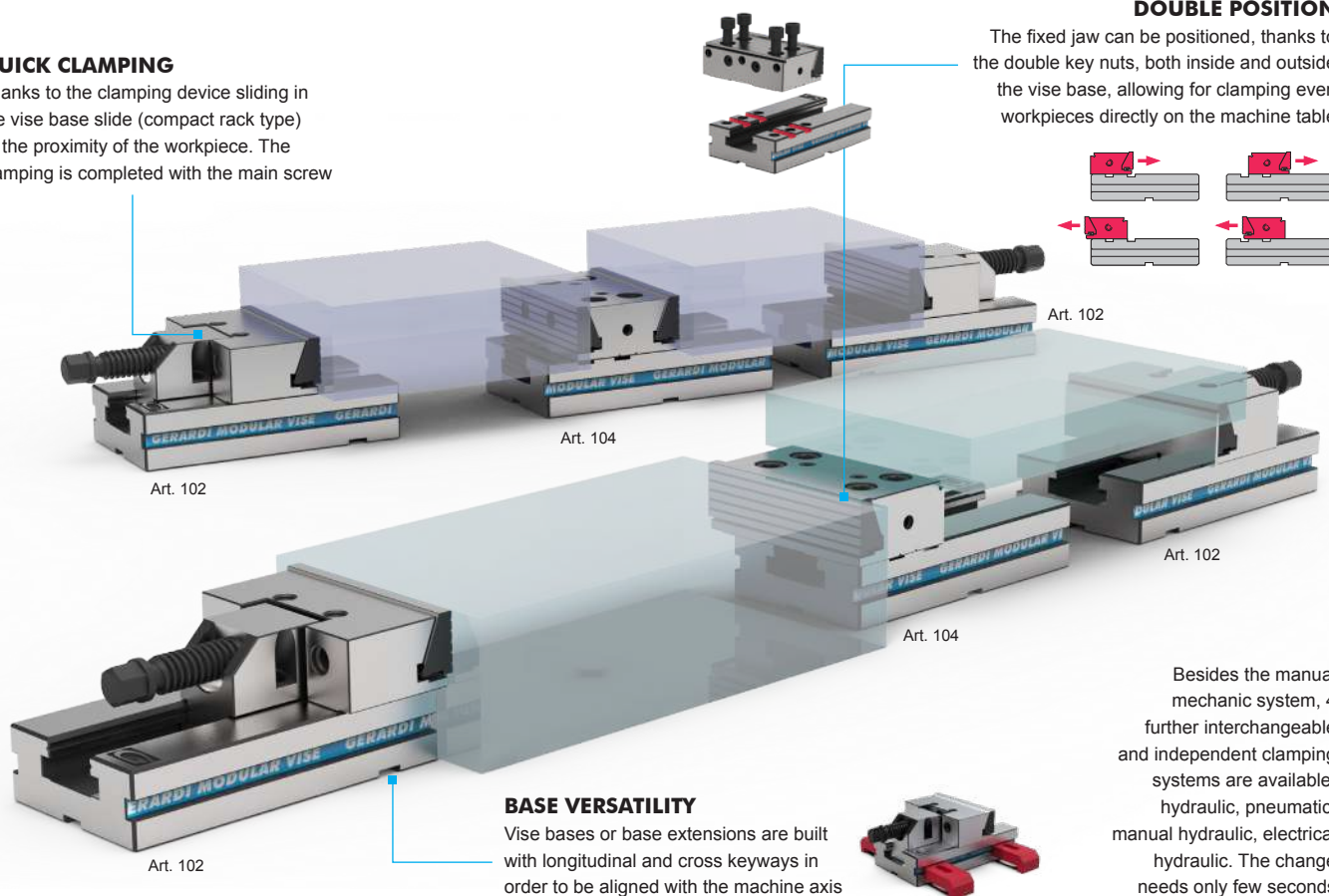
WISE SECTIONS FOR SPECIAL APPLICATIONS

QUICK CLAMPING

Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw

DOUBLE POSITION

The fixed jaw can be positioned, thanks to the double key nuts, both inside and outside the vise base, allowing for clamping even workpieces directly on the machine table

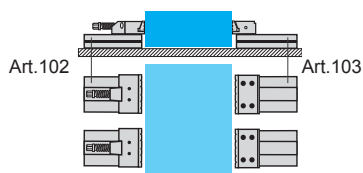


BASE VERSATILITY

Vise bases or base extensions are built with longitudinal and cross keyways in order to be aligned with the machine axis

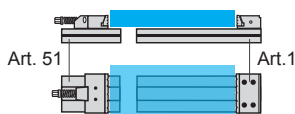
Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: hydraulic, pneumatic, manual hydraulic, electrical hydraulic. The change needs only few seconds

CLAMPING APPLICATIONS



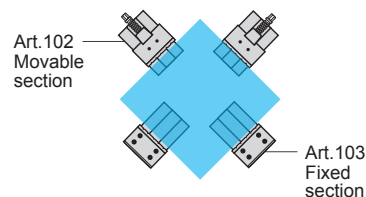
EXAMPLE #1

Huge workpieces clamped directly on the machine table



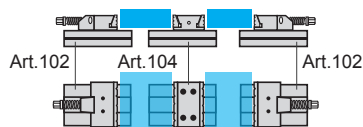
EXAMPLE #2 ART.1 + ART.51

Art.258 + Art.127 assemble them on a extension base Art.51 for long workpieces



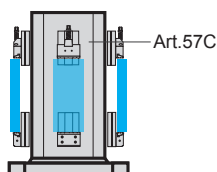
EXAMPLE #3

Medium size workpieces clamped directly on the vise sections



EXAMPLE #4

Double fixed vise section Art.104 + 2 movable vise sections Art.102



EXAMPLE #5

Modular elements assembled on cross cube type Art.57C

**CUSTOMIZED
SOLUTIONS
FOR ALL YOUR
CLAMPING
PROBLEMS**

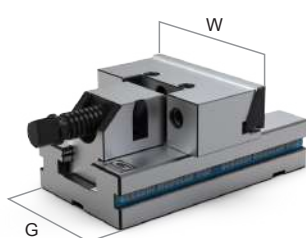
Wide range of standard elements to clamp special applications

INDEPENDENT ELEMENTS FOR SPECIAL APPLICATIONS

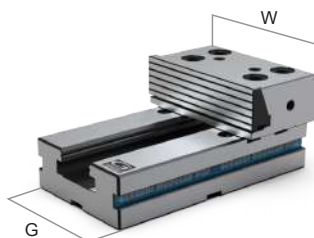
FOR MORE PRODUCT TYPES,
SEE THE GENERAL CATALOGUE



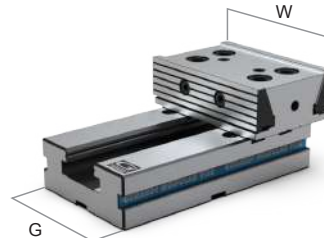
FIND OUT MORE



ART. 102



ART. 103



ART. 104

ART. 102A

ART. 103A

ART. 104A

	W	G
Vise Size 1	100	75
2	125	95
3	150	125
4	175	145
5	200	170
6	300	195

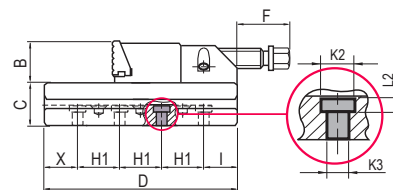
Gerardi modular elements allow perfect clamping of big workpieces which need the heaviest machining using the machine table as surface. Modular Elements are a solution for a wide range of applications and, with the many reference points available, it is a perfect complement or alternative to single or double vises.

- No Wear - 100% HRC60 Hardened Steel
- Quick Clamping
- Modularity & Versatility
- Highest Accuracies ± 0.02 mm
- Rigidity & Safety
- Space Saving Design

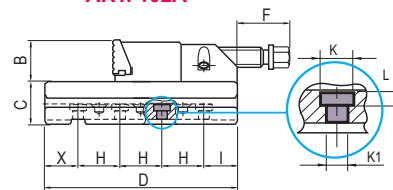
Also available in **StandardFlex** versions with quick-change jaw plates: Art.102i / Art.102Ai, Art.103i / Art.103Ai, Art.104i / Art.104Ai

MOVABLE JAW SECTION - ART.102/102A (GRID)

Vise Size							ART. 102										ART. 102A									
	B	C	D	F	Kg		H	I	K1Ø	KØ	L	X	M*	Cod. 102	H1	I	K2Ø	K3Ø	L2	X	M*	Cod. 102A				
1	30	35	140	55	3,4		40	29	6,5	10,5	4,5	31	3	2.10.21000	50	54	25	16 ^{F7}	8	36	2	2.10.2A100				
2	40	40	160	83	6,3		40	39	8,5	13,5	5,5	41	3	2.10.22000	50	39	25	16 ^{F7}	8	21	3	2.10.2A200				
3	50	50	230	82	14,2		50	40	13	19	8,5	40	4	2.10.23000	50	40	25	16 ^{F7}	10	40	4	2.10.2A300				
4	60	58	240	62	20,8		50	82,5	13	19	8,5	57,5	3	2.10.24000	50	57,5	25	16 ^{F7}	10	32,5	4	2.10.2A400				
5	65	70	300	92	35		100	50	17	26	17	50	5	2.10.25000	100	69	25	16 ^{F7}	10	31	3	2.10.2A500				
6	80	78	350	70	60		100	83	17	26	17	67	5	2.10.26000	100	83	25	16 ^{F7}	10	67	3	2.10.2A600				



ART. 102A



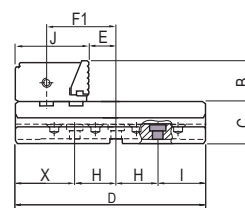
ART. 102

FIXED JAW SECTION - ART.103/103A (GRID)

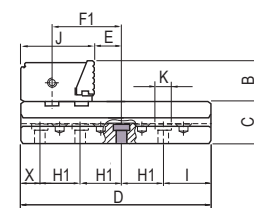
Vise Size							ART. 103							ART. 103A						
	J	E	F1	I	Kg		X	H	M*	Cod. 103	X	H1	M*	Cod. 103A						
1	77,9		76	29	3,3		31	40	3	2.10.31000	61	50	2	2.10.3A100						
2			76	49	5,8		31	40	3	2.10.32000	21	50	2	2.10.3A200						
3	89,4	33,6	84,5	57,5	12,6		72,5	50	3	2.10.33000	72,5	50	3	2.10.3A300						
4	96,9		89	61	17,8		79	50	4	2.10.34000	29	50	4	2.10.3A400						
5	113,4		100	55	29,8		45	100	5	2.10.35000	45	100	3	2.10.3A500						
6	120,4		107	95	50,5		52	100	5	2.10.36000	52	100	3	2.10.3A600						

W, G, B, C & D are as the table above

*M = Number of Holes



ART. 103



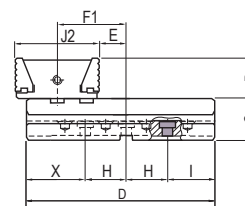
ART. 103A

DOUBLE FIXED JAW SECTION - ART.104/104A (GRID)

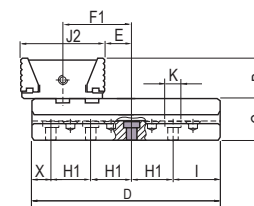
Vise Size							ART. 104				ART. 104A			
	J2	E	Kg	M*	Cod. 104		M*	Cod. 104A			M*	Cod. 104A		
1			3,4	3	2.10.41000		2	2.10.4A100						
2	84,8		6	3	2.10.42000		2	2.10.4A200						
3	101,8	33,6	13,3	3	2.10.43000		3	2.10.4A300						
4	110,8		18,8	4	2.10.44000		4	2.10.4A400						
5	132,8		30	5	2.10.45000		3	2.10.4A500						
6	146,8		52,5	5	2.10.46000		3	2.10.4A600						

W, G, B, C, D, F1, X, H & I are as the tables above

*M = Number of Holes



ART. 104



ART. 104A



MODULAR VISE TOWER IN SOLID BODY - ART.700

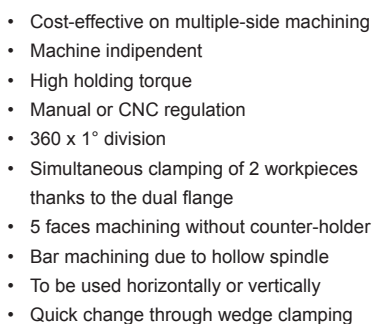
Art. 828A extra

Art. 701 Base body

Dimensions: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

VISES VERTICALLY MOUNTED N° 4 VISES ART. 1+ N° 1 ART. 450 - ART.750

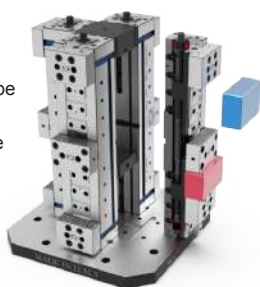
MECHANICAL DIVIDING HEAD DIVIGER 205



SPECIFIC FOR HORIZONTAL AND VERTICAL MACHINE CENTRES

THIRD HAND SERVICE

It allows the first workpiece loaded to be clamped lightly while the second workpiece is being loaded on vertical set ups



HIGHEST RIGIDITY

Higher vise base in order to guarantee a better rigidity



QUICKEST VISE RESETTNG

Through ground comb system



3 VISES IN ONE

Single / Double / Self-Centering

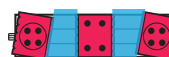


DOUBLE THREAD SPINDLE

Completely protected main spindle with left and right thread



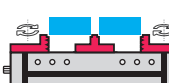
Floating Movable Jaws for irregular workpieces



Workpiece clamping on the large step

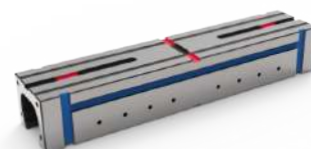


Workpiece clamping on the small step



POSITIONING KEYWAYS

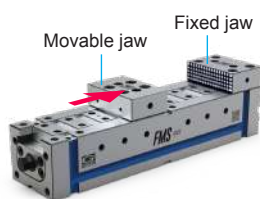
Both on the base bottom surface for horizontal positioning and on the side for vertical positioning



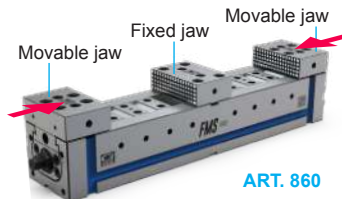
THREE VISES IN ONE



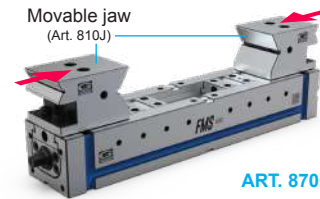
BASE BODY ART.855



SINGLE CLAMPING



DOUBLE CLAMPING



SELF-CENTERING



DISCOVER HOW
MANY WORKPIECE
CAN BE CLAMPED ON
EACH VISE TYPE



FIND OUT MORE

For multiple clamping from 1 to
16 workpieces of various sizes

THE MOST VERSATILE VISE SERIES

MULTIFLEX VISES

Multiflex Vise with Fixed & Movable jaws

	Jaw Height	Base Height	Length	Jaw Width	SPREAD mm	Cod. Art. 600	SPREAD mm	Cod. Art. 606	SPREAD* mm	Cod. Art. 611
Type 1 (20kN)	32/25	50	300	49	4 x 8	6.60.01300	3 x 19	6.60.61300	4 x 21	6.61.11300
			400		4 x 33	6.60.01400	4 x 23	6.60.61400	4 x 46	6.61.11400
			500		4 x 58	6.60.01500	4 x 48	6.60.61500	4 x 71	6.61.11500
			600		4 x 83	6.60.01600	4 x 73	6.60.61600	4 x 94	6.61.11600
			700		4 x 108	6.60.01700	4 x 97	6.60.61700	4 x 121	6.61.11700
	40	75	400	74	4 x 12	6.60.02400	3 x 31	6.60.62400	4 x 34	6.61.12400
			500		4 x 37	6.60.02500	4 x 27	6.60.62500	4 x 59	6.61.12500
			600		4 x 62	6.60.02600	4 x 52	6.60.62600	4 x 84	6.61.12600
			700		4 x 87	6.60.02700	4 x 77	6.60.62700	4 x 109	6.61.12700
			800		4 x 112	6.60.02800	4 x 102	6.60.62800	4 x 134	6.61.12800
Type 2 (30kN)	60	100	900	99	4 x 137	6.60.02900	4 x 127	6.60.62900	4 x 159	6.61.12900
			700		4 x 59	6.60.03700	4 x 44	6.60.63700	4 x 77	6.61.13700
			800		4 x 84	6.60.03800	4 x 69	6.60.63800	4 x 102	6.61.13800
			900		4 x 109	6.60.03900	4 x 94	6.60.63900	4 x 127	6.61.13900
			1000		4 x 134	6.60.03100	4 x 119	6.60.63100	4 x 152	6.61.13100



Art. 600: Hard smooth or serrated jaw



Art. 606: Step jaws



Art. 611: Double clamping jaws

MULTIFLEX TOWERS

Multiflex Tower With Fixed & Movable

	Jaw Height	Tower Base Section	Length/ Height	Jaw Width	SPREAD mm	Cod. Art. 607	SPREAD mm	Cod. Art. 602
Type 1 (20kN)	32/25	100	300	49	3 x 19	6.60.71300	4 x 8	6.60.21300
			400		4 x 23	6.60.71400	4 x 33	6.60.21400
			500		4 x 48	6.60.71500	4 x 58	6.60.21500
			600		4 x 73	6.60.71600	4 x 83	6.60.21600
			700		4 x 97	6.60.71700	4 x 108	6.60.21700
Type 2 (30kN)	40	150	400	74	3 x 28	6.60.72400	4 x 12	6.60.22400
			500		4 x 24	6.60.72500	4 x 37	6.60.22500
			600		4 x 49	6.60.72600	4 x 62	6.60.22600
			700		4 x 74	6.60.72700	4 x 87	6.60.22700
			800		4 x 99	6.60.72800	4 x 112	6.60.22800
Type 3 (40kN)	60	240	700	99	4 x 39	6.60.73700	4 x 59	6.60.23700
			800		4 x 64	6.60.73800	4 x 84	6.60.23800
			900		4 x 89	6.60.73900	4 x 109	6.60.23900
			1000		4 x 114	6.60.73100	4 x 134	6.60.23100

Art. 602:
Smooth or
serrated jaws

**Art. 828A
extra**



Art. 607:
Step jaws

**Art. 828A
extra**



JAW PLATES

	Fixed Serrated ART.604	Fixed Smooth ART.604G	Fixed Grip ART.604T	Fixed Step ART.608	Fixed Double Step ART.614T	Movable Smooth ART.605	Movable Serrated ART.605S
Vise Size 1 (49)	6.60.41000	6.60.4G100	6.60.4T100	6.60.81000	6.61.4T100	6.60.51000	6.60.5S100
2 (74)	6.60.42000	6.60.4G200	6.60.4T200	6.60.82000	6.61.4T200	6.60.52000	6.60.5S200
3 (99)	6.60.43000	6.60.4G300	6.60.4T300	6.60.83000	6.61.4T300	6.60.53000	6.60.5S300

	Movable Step ART.609	Movable Grip ART.609T	Soft ART.610B	Smooth ART.610C	Serrated ART.610D	Parallel ART.610E	Prismatic ART.610F
Vise Size 1 (49)	6.60.91000	6.60.9T100	6.61.0B100	6.61.0C100	6.61.0D100	6.61.0E100	6.61.0F100
2 (74)	6.60.92000	6.60.9T200	6.61.0B200	6.61.0C200	6.61.0D200	6.61.0E200	6.61.0F200
3 (99)	6.60.93000	6.60.9T300	6.61.0B300	6.61.0C300	6.61.0D300	6.61.0E300	6.61.0F300

MULTITASKING SERIES



COMPACT, RIGID & ACCURATE



TOP GRIP JAW INSERTS

Easy to replace and usable on both sides. A wide range available for any type of clamping

HIGHEST CLAMPING FORCE

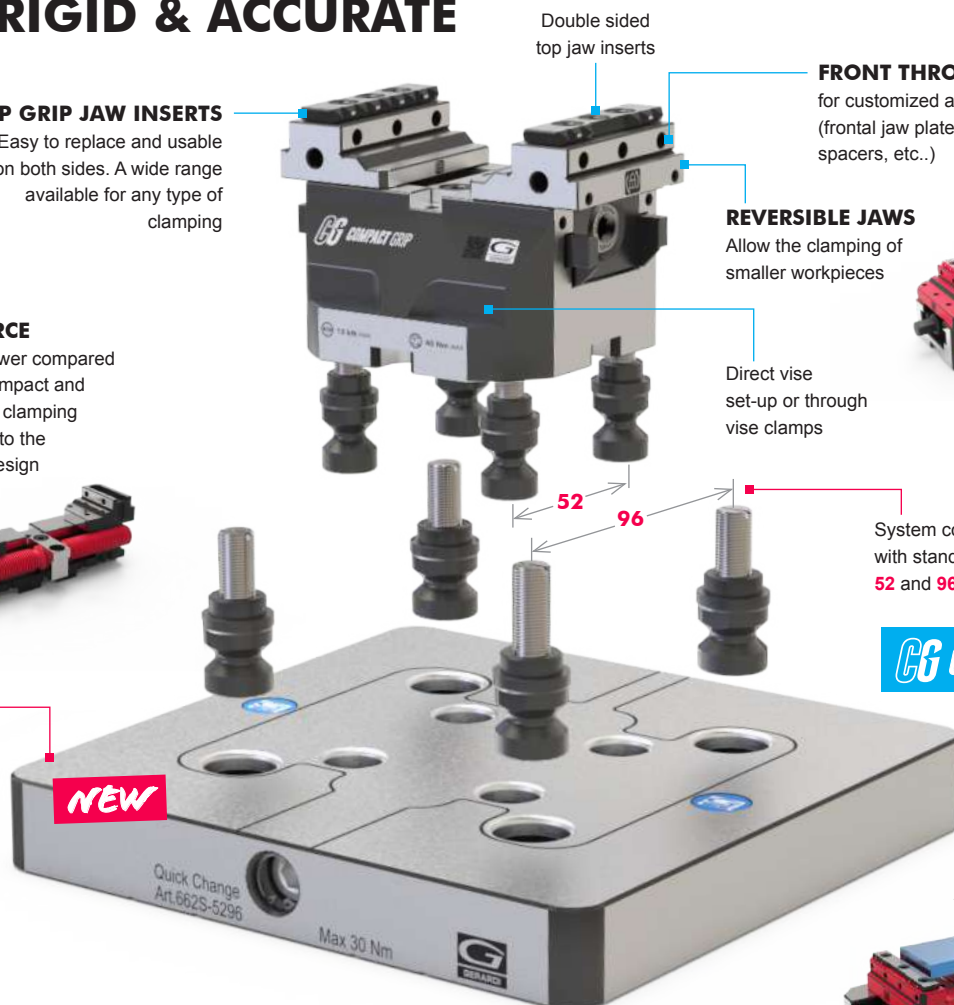
Significantly higher clamping power compared to existing vises, with a more compact and lighter design. This is due to the clamping screw design, positioned closer to the workpiece, and the integrated design of the slides and jaws



QUICK CHANGE PLATE

A mechanical system for the quick positioning and clamping of fixtures for securing workpieces that stands out for its wide range of variations, offering a solution suitable for every type of machine tool

NEW



Double sided top jaw inserts

FRONT THROUGH HOLES
for customized applications (frontal jaw plates, inserts, spacers, etc..)

REVERSIBLE JAWS
Allow the clamping of smaller workpieces

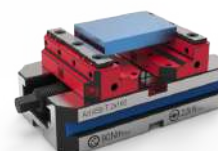
Direct vise set-up or through vise clamps



System compatible with standard pitch **52** and **96**

CG COMPACT GRIP

SELF-CENTERING
Adjustment from the top by key-nuts



MTK MULTITASKING

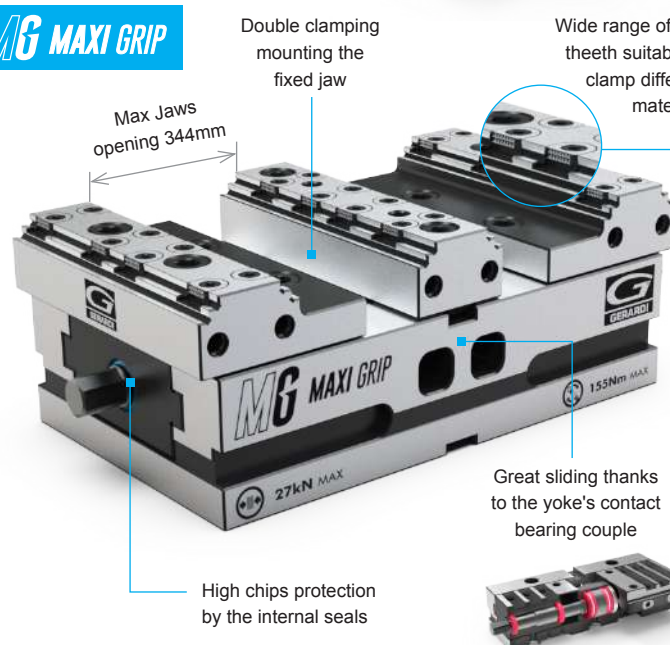


VERSATILITY

Possibility of jaws positioning, addition or remove on whatever position on the vise base teeth



MG MAXI GRIP



Double clamping mounting the fixed jaw

Wide range of grip theeth suitable to clamp different materials

Max Jaws opening 344mm

Great sliding thanks to the yoke's contact bearing couple

High chips protection by the internal seals



Vises for advanced applications not only on 5 axis machining centres

FOR MORE PRODUCT TYPES, SEE THE GENERAL CATALOGUE

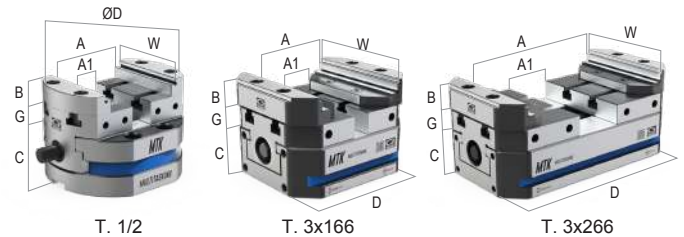


FIND OUT MORE



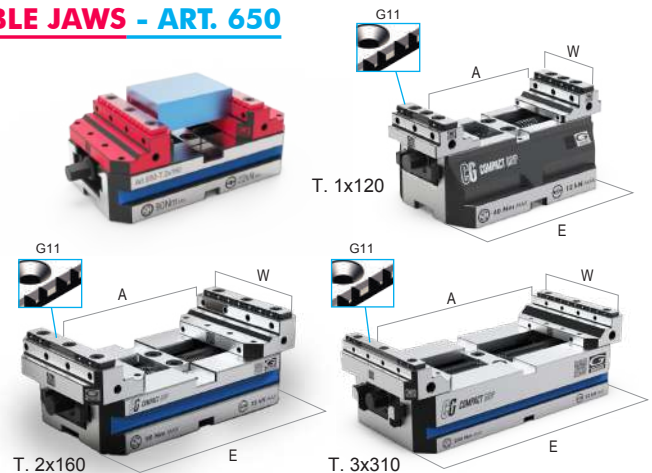
SELF-CENTERING OR ECCENTRIC VISE. MANUAL OPERATION. MECHANICAL CLAMPING - ART. 640

Type		A	Stroke A1	W	B	C	D	G	Kg	Cod.
1 (16kN)		65	20	74	15	50	Ø120	20	4,9	6.64.01000
2 (20kN)		95	40	99	20	70	Ø160	25	11	6.64.02000
3 (30kN)		108	20	138	30	58	166	25	13	7.64.03166
		208	60	138	30	58	266		20	7.64.03266



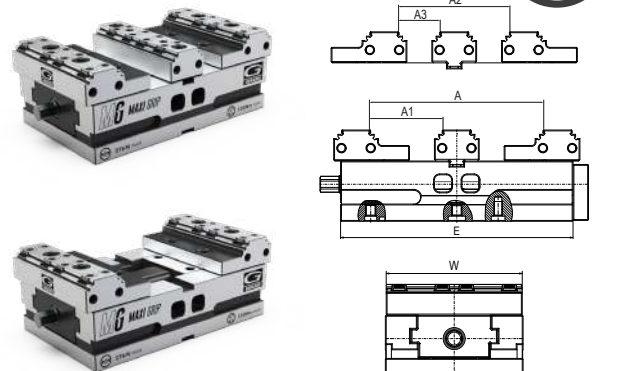
SELF-CENTERING COMPACTGRIP VISE WITH REVERSIBLE JAWS - ART. 650

Type		A	W	E	Kg	Cod.
1 (12kN)		54	50	80	1,9	7.65.01080
		94		120	2,7	7.65.01120
		134		160	3,4	7.65.01160
2 (22kN)		96	88	120	3,6	7.65.02120
		136		160	4,4	7.65.02160
		176		200	5,2	7.65.02200
		216		240	5,8	7.65.02240
3 (32kN)		133	123	160	9,1	7.65.03160
		183		210	10,9	7.65.03210
		233		260	12,8	7.65.03260
		283		310	14,8	7.65.03310
		333		360	17	7.65.03360



MAXIGRIP VISE - 3 CLAMPING IN 1 SELF-CENTERING, DOUBLE AND SINGLE - ART. 685

Type		A	A1	A2	A3	W	E	Kg	Cod.
4 x 270 (41kN)		200	83	104	35	158	270	28,5	76854270
4 x 420 (41kN)		344	155	248	107		420	40	76854420



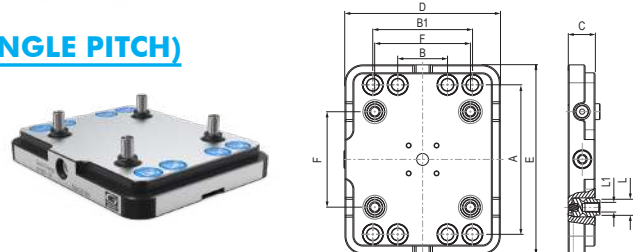
MAXIGRIP VISE ONLY SELF-CENTERING - ART. 684

Type		A	A1	A2	A3	W	E	Kg	Cod.
4 x 270 (41kN)		200	-	104	-	158	270	25	76844270
4 x 420 (41kN)		344	-	248	-		420	36	76844420



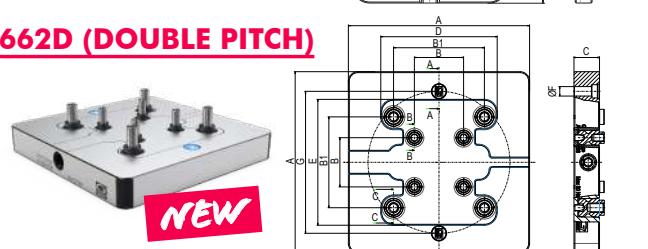
(RECTANGULAR) QUICK CHANGE PLATE - ART. 660 (SINGLE PITCH)

Type	Pitch	A	B	B1	C	D	E	F	L	L1	Kg	Cod.
1-2	52	100	50	-	27	116	150	52	Ø12 H7	M8	3	9.66.05200
3	96	150	50	100	27	156	190	96	Ø16 H7	M10	5,2	9.66.09600



(SQUARE) MACHINABLE QUICK CHANGE PLATE - ART. 662D (DOUBLE PITCH)

Type	Pitch	A	B	B1	C	D	E	F	G	Kg	Cod.
1-2-3	52/96	191,5	52	96	27	122	132	Ø10 H7	150	7,5	9662D5296



RISERS AND PYRAMIDAL SUPPORT

FOR MORE PRODUCT TYPES,
SEE THE GENERAL CATALOGUE



FIND OUT MORE



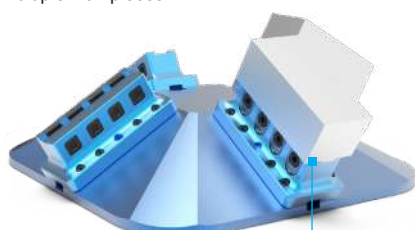
PYRAMIDAL SUPPORT

Aluminum pyramidal support, it permits the simultaneous mounting of **vises**, **plates** or **dove tail** thus increasing the working space and allowing the contemporary machining of multiple workpieces.

	Ø	Height	Cod.
Type 1	235	170	7.64.3H100
Type 2	308	135,5	7.64.3H200
Type 3	360	190,5	7.64.3H300

Standard equipment Art.643H:

- 12 x Vise holding clamps Art.298 CGR
- 1 x Eyebolt
- 1 x Centering pin
- Pair of keynuts Art.297



ART.643H
WITH DOVE TAIL



ART.643H
WITH VISES



ART.643H
WITH PLATES



KIT #1 Art. 643H + N°3 Art.650 T.1x120



Cod.

6501120-G11-643H1-60

KIT #2 Art. 643H + N°3 Art.650 T.2x200

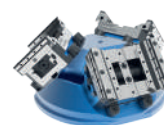


Cod.

6502200-G11-643H2-30/45

* Check the machine spindle turning

KIT #3 Art. 643H + N°3 Art.650 T.3x210



Cod.

6503210-G11-643H3-45

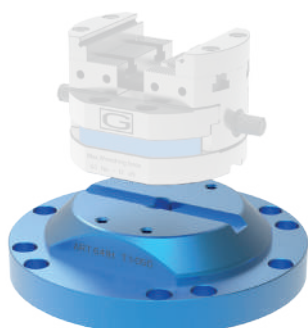
* Check the machine spindle turning

ALUMINUM RISERS

Through the elevations, by raising the vise relative to the machine base plane, it is possible to keep the force unchanged instead of raising the jaws and thus reducing the force and the accuracy. It also allows full use of the spindle strokes in the machine that might otherwise collide with the machine table. They can be used with both **vises** and **plates**.

ART.641H

For Multitasking Grip Vises Art.640 and Art.640J



Type 1-2



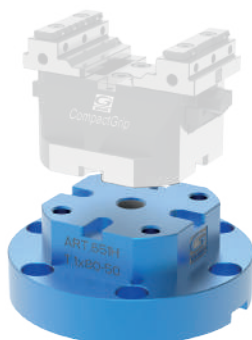
Type 3x166



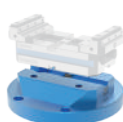
Type 3x266

ART.651H

For Compact Grip Vises Art.650 and Art.950



Type 1



Type 2



Type 3

ART.680H

For Maxi Grip Vises Art.684 and Art.685



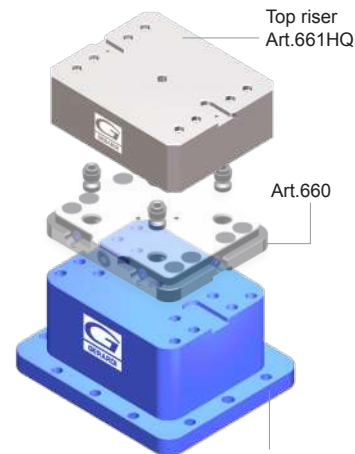
Type 4x270



Type 4x420

ART.661H AND ART.661HQ

For Quick Change Table Art.660



Top riser
Art.661HQ

Art.660

Base riser
Art.661H

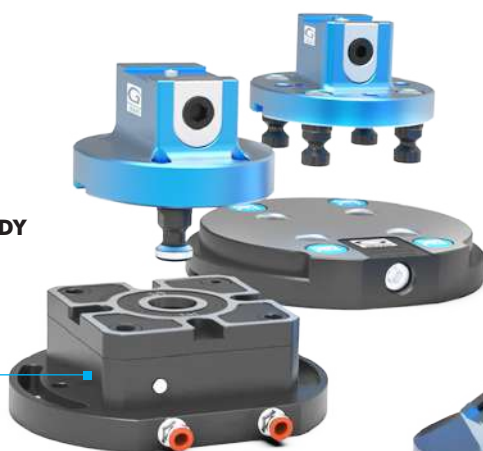


FIND OUT MORE



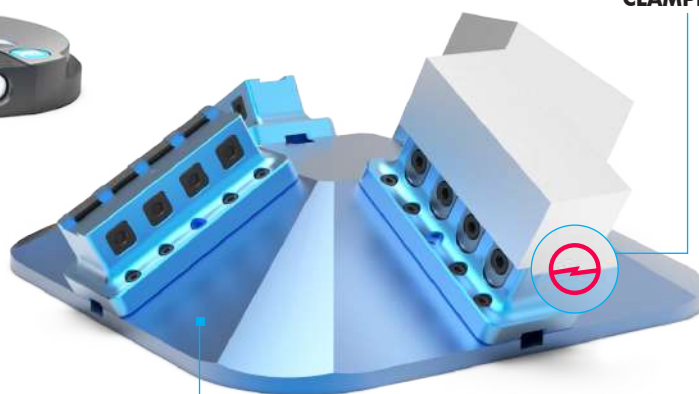
ZERO POINT AND QUICK CHANGE READY

The Dove Tail System is compatible with the widest range of Gerardi fixtures



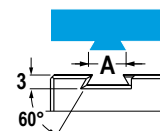
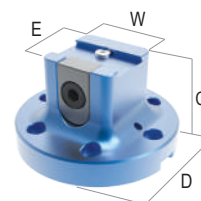
PYRAMIDAL RISER

The pyramidal riser allows the simultaneous mounting of 4 Dove tail inclined at 30° thus increasing the working space and reducing the dead times



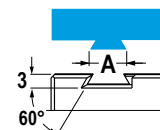
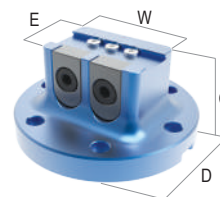
DOVE TAIL IRREVERSIBLE CLAMPING

		A'' Dove tail dimension (inch)	A Dove tail dimension	C	D	E	W	Shape	Kg	Cod.	
Type	1	0,281"	7,14	50	Ø56	20	20	○	0,3	12.690.101	
	2	0,375"	9,53			22	22	○	0,4	12.690.201	
	3	0,5"	12,7			Ø76	34	34	○	0,9	12.690.301
	4	0,75"	19,5			Ø86	40	40	○	1,1	12.690.401
	5	1,5"	38,1	70	Ø116	70	50	○	3,2	12.690.501	
	6	2,25"	57,15			88x132	88	48	□	3,6	12.690.601



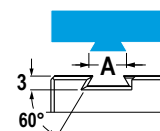
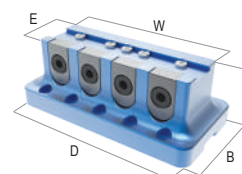
DOVE TAIL IRREVERSIBLE CLAMPING - ART. 690 (DOUBLE)

	A"	A	C	D	E	W	Shape	Kg	Cod.
	Dove tail dimension (inch)	Dove tail dimension							
Type	1	0,281"	-	-	-	-	-	-	-
	2	0,375"	-	-	-	-	-	-	-
	3	0,5"	50	Ø98	34	60		1,4	12.690.302
	4	0,75"		19,5	Ø104		40		1,6
	5	1,5"	70	110	70	90		4,4	12.690.502
	6	2,25"		57,15	110x128		88		5,3

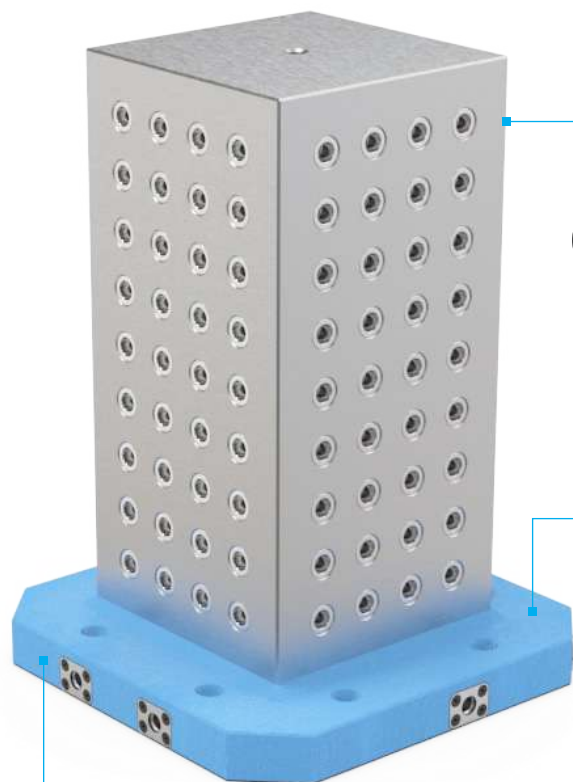


DOVE TAIL IRREVERSIBLE CLAMPING - ART. 690 (MULTIPLE)

		A" Dove tail dimension (inch)	A Dove tail dimension	B	C	D	E	W	Shape	Kg	Cod.
Type	1	0,281"	7,14	-	-	-	-	-	-	-	-
	2	0,375"	9,53	-	-	-	-	-	-	-	-
	3	0,5"	12,7	64	50	140	34	120		2,1	12.690.304
	4	0,75"	19,5	70			40			2,4	12.690.404
	5	1,5"	38,1	110	70	190	70		7,9	12.690.504	
	6	2,25"	57.15	128			88		9,6	12.690.604	



TOMBSTONE, PLATES & MACHINE PALLETS



DIFFERENT SHAPES

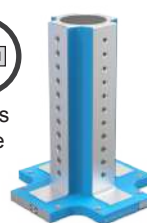
We offer cubes, two-side tombstones, angles, plates, subplates, shelves, and custom designs. These products are essential for horizontal machining centers and multipallet systems, which require sturdy structures for fixtures or workpieces



Grid
Cube



Cross
cube

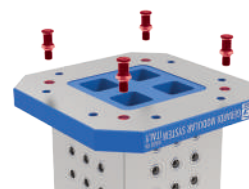


Grid
angle with
bushing



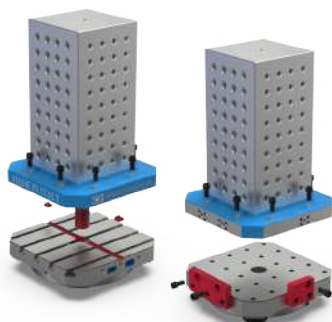
ZERO POINT READY

Base with 4 precision Ø 20F7 holes and M16 bottom threads for Zero Point use or compatibility with other pallets/head plates



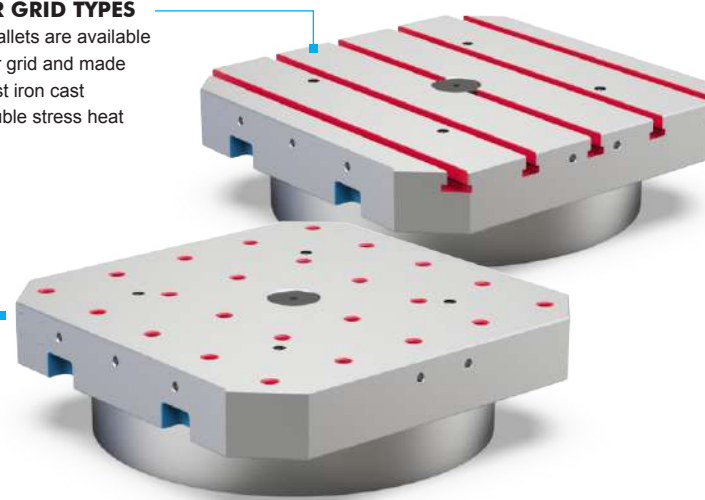
EUROPEAN & JAPANESE

Rough casting with machined for pallets according to European or Japanese standards



T-SLOT OR GRID TYPES

All Gerardi pallets are available with caves or grid and made with solid cast iron cast G30 with double stress heat treatment



SPECIAL TOMBSTONES

Tailor-made tombstones with clamping systems, designed and produced on request to optimize machine performance and capacity



THE BEST PALLET FOR YOUR HORIZONTAL MACHINING CENTRE

Solid cast iron cast G30 with double stress relieving heat treatment. Highest accuracy



DOOSAN



DMGMORI



MANDELLI



MAKINO



MAZAK



OKUMA



KIWA

For horizontal machining centre

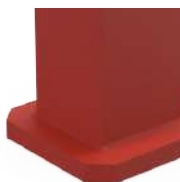
FOR MORE PRODUCT TYPES,
SEE THE GENERAL CATALOGUE



FIND OUT MORE



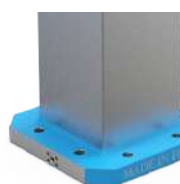
CUBES AVAILABLE IN 5 DIFFERENT FINISHING



TYPE A CAST IRON CASTING

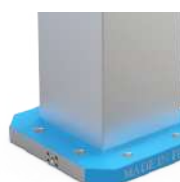
One integral G30 cast iron casting rough milled with doubles stress relieving heat treatment. Wall thickness 43-45 mm (10 mm stock)

*Few highlighted items are not rough milled



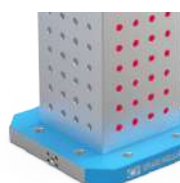
TYPE B BASE FINISHED

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.



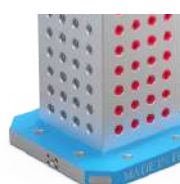
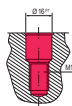
TYPE C COMPLETELY FINISHED

Cube completely finished with wall thickness roughly 38-40 mm. Tolerance $\pm 0,02$ mm



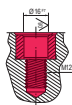
TYPE E GRID CUBE

Integral cube with calibrated holes and solid threads in the casting itself. Tolerance $\pm 0,02$ mm



TYPE F GRID CUBE WITH BUSHINGS

Integral cube with centering bushings in special hardened alloy steel 100Cr6 - DIN 179C. Inserted threads are in 18/8 stainless steel. Tolerance $\pm 0,02$ mm

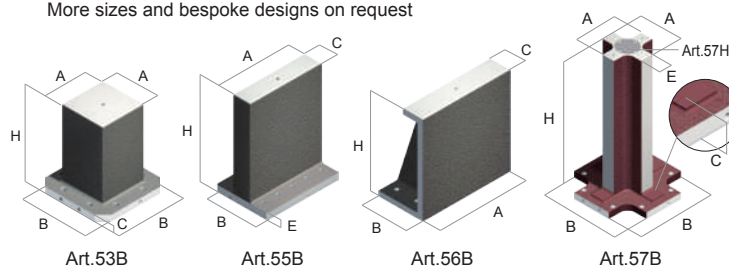


For illustrative purposes, are shown dimensions and codes of four cubes of different shapes but with the same type of finishing (B):

General tolerance $+12 / -5$ mm = light version

Art.	A	B	C	E	H	Kg	Cod.
53B Cubes	210	400	45	25	750	167	8.53.B10055
	260	400	45	25	850	229	8.53.B10085
	280	400	45	-	510	198	8.53.B00110
	260	500	45	25	750	234	8.53.B10105
	360	500	45	-	700	356	8.53.B00171
	360	630	45	30	950	468	8.53.B10185
	460	630	45	-	550	409	8.53.B00190
	460	630	45	-	650	463	8.53.B00200
	460	630	45	35	950	634	8.53.B10205
	410	400	160	55	500	199	8.55.B00051
55B 2 Sides Tombstones	410	400	160	50	660	244	8.55.B00052
	410	400	160	55	850	239	8.55.B10050
	510	500	160	50	700	331	8.55.B00053
	510	500	210	55	600	316	8.55.B00054
	510	500	210	55	900	402	8.55.B10085
	560	450	160	55	820	406	8.55.B00160
	640	450	160	55	820	460	8.55.B00170
	640	450	260	65	900	564	8.55.B00171
	640	630	210	55	850	545	8.55.B00172
	640	630	210	55	950	553	8.55.B10172
56B Angle	640	630	260	55	700	485	8.55.B00173
	360	450	160	65	650	232	8.55.B00180
	810	450	160	65	850	604	8.55.B00190
	350	160	45	-	250	46	8.56.B00008
	300	230	105	-	300	61	8.56.B00009
	350	240	105	-	360	80	8.56.B00010
	400	290	105	-	400	106	8.56.B00011
	200	350	35	-	700	104	8.56.B00012
	400	340	155	-	510	148	8.56.B00030
	500	350	155	-	500	176	8.56.B00031
57B Cross Cube	450	340	155	-	460	150	8.56.B00040
	450	340	155	-	610	185	8.56.B00050
	210	500	50	80	750	157	8.57.B00100
	210	500	50	80	650	142	8.57.B00105
	260	500	50	80	750	197	8.57.B00106
	280	500	50	80	850	242	8.57.B00110
	240	500	50	110	850	218	8.57.B00120
	310	500	50	150	850	269	8.57.B00130
	310	630	50	150	950	327	8.57.B00140
	380	500	50	200	950	400	8.57.B00145
	410	500	55	100	855	241	8.57.B00150

More sizes and bespoke designs on request



BASES AVAILABLE IN 5 DIFFERENT FINISHING



TYPE C
Smooth pallet base plate.
Two faces ground



TYPE E
Grid type with solid calibrated
holes and threads



TYPE F
Grid type with hardened
bushings 100Cr6 and inox
steel elicoils



TYPE G
With H7 T-slots



TYPE H
With parallel slots

Available in different shapes: square base plates, rectangular base plates, rounded base plates



PREMIUM



Accuracy
 $\pm 0,005\text{mm}$

NEW

HIGH-QUALITY STAINLESS STEEL

AISI 440C Stainless Steel provides superior corrosion resistance and durability for longer system life

WORKPIECE PRESENCE SYSTEM

Specially designed circuit allows to connect a pressure switch and get a signal when the part is in place

OPEN/CLOSE SENSORS

Proximity sensors are able to detect the position of the piston thus allowing to always know if the zero point is open or closed

AUTOMATIC CLEANING

Automatic chip cleaning system by using a retractable plug

REINFORCED PULL STUD

Larger, stronger pull stud for increased durability. More contact points with additional spheres allow for better clamping

STANDARD

PRODUCTION OPTIMIZATION (95% SET-UP SAVING TIME)



VERTICAL CNC

The Zero Point becomes the interface of all your fixtures and also your workpieces



HORIZONTAL CNC

The Zero Point is also a way to upgrade your existing fixtures



5TH AXIS CNC

Also on 5th axis machines the same applications are of course possible



SOLID ELASTIC COLLETS

The multiple Zero Point system allows, thanks to the solid integral elastic collet, a lateral translation, that solves problems of centre distances and variations caused by the temperature



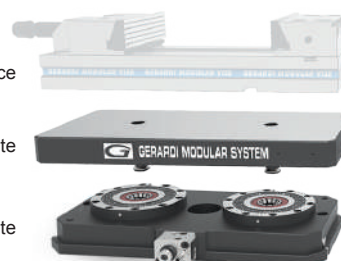
CLAMPING FORCE INCREASE

The Double Effect allows to get clamping results much higher than the normal thanks to the non return valve. When it is operated the air add a pneumatic clamping power which increases the normal clamping through springs

Fixture or Workpiece

Interface plate

Zero Point head plate



ZERO POINT SYSTEM

		Type	Art.	Description	kN	BAR	Kg	Cod.
NEW	Built-in mounting standard optional	2	9665P	Ermetic	from 10 to 17kN	7	7,6	9.66.5P2000
NEW	Built-in mounting standard optional (automation ready)	2	9665PS	Ermetic	from 10 to 17kN	7	7,6	9.66.5PS200
	Built-in mounting for multiple applications	1	665	Ermetic	up to 12,5 kN	6	1,5	9.66.51000
		2		Classic	up to 15 kN	7 ÷ 14	2,7	9.66.52000
		3		Ermetic	up to 42 kN	7	5,8	9.66.53000
	Flange mounting for multiple applications	1	664	Ermetic	up to 12,5 kN	6	3,2	9.66.41000
		2		Classic	up to 15 kN	7 ÷ 14	5,7	9.66.42000
		3		Ermetic	up to 42 kN	7	11,2	9.66.43000
	Built-in mounting for single applications	1	665S	Ermetic	up to 12,5 kN	6	1,5	9.66.5S100
		2			up to 26 kN	6	2,5	9.66.5S200
		3			up to 42 kN	7	5,8	9.66.5S300
	Flange mounting for single applications	1	664S	Ermetic	up to 12,5 kN	6	3,2	9.66.4S100
		2			up to 26 kN	6	6,5	9.66.4S200
		3			up to 42 kN	7	6,5	9.66.4S300

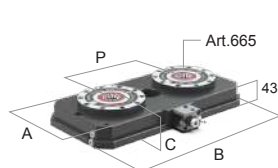


ZERO POINT BASE PLATES

**ART.80P**

Square Plates , Built-In Mounting

Type	kN	Material	A	C	P
1	up to 12,5 kN	Steel or Aluminum	400, 500, 630, 800	50	200, 250, 300, 350, 400, 450, 500, 550, 600
2	up to 15 kN	Steel or Aluminum	400, 500, 630, 800	58	250, 250, 300, 400
3	up to 42 kN	Steel or Aluminum	500, 630, 800	70	200, 250, 300, 350, 400, 450, 500, 550



ART.81 P

Rectangular Plates , Built-In Mounting

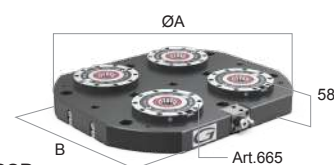
Type	kN	Material	A	B	C	P
1	up to 12,5 kN	Steel or Aluminum	160	350, 400, 450	55	200, 250, 300
2	up to 15 kN	Steel or Aluminum	200	400, 500, 600	58	200, 250, 300
3	up to 42 kN	Steel or Aluminum	250	500, 600, 700	70	250, 300, 400

Available
for 2, 4
or 6 Zero
Points



ART.72P

Rounded Plates , Flange Mounting



ART.82P

Rounded Plates , Built-In Mounting

Type	kN	Material	ØA	B	N°ZP
2	up to 15 kN	Steel or Aluminum	280,		
			500,		
			420,	380,	1,
			630,	400,	4,
			700,	500,	6,
			790,	560,	8
			1000, 900	630	

DOUBLE ZERO POINT

Type	Art.	kN	Material	Kg	Cod.
1	665T	up to 12,5 kN	Steel	5,2	9.66.5T100
2		up to 15 kN		9,7	9.66.5T200
3		up to 42 kN		18,8	9.66.5T300





FIND OUT MORE



ELECTRO-PERMANENT SYSTEM FOR MILLING OPERATIONS

MAGNETIC CHUCK

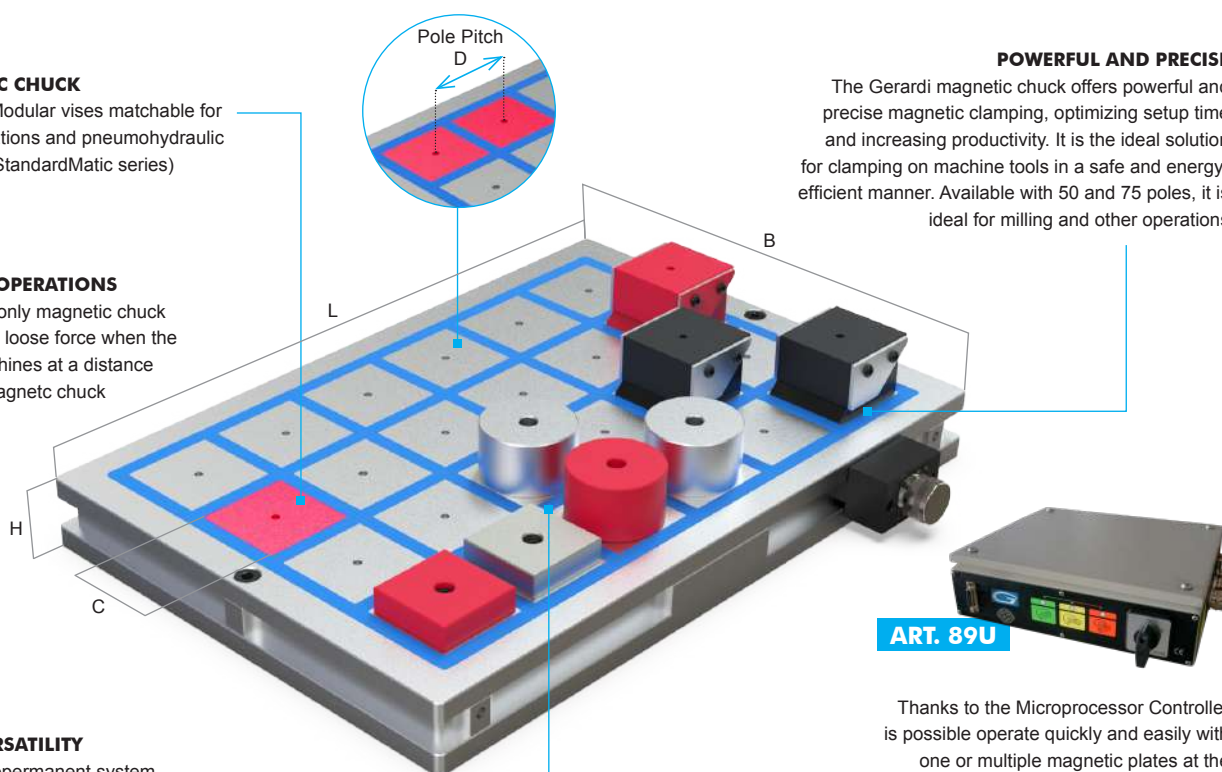
Precision Modular vises matchable for gang operations and pneumohydraulic clamping (StandardMatic series)

MILLING OPERATIONS

This is the only magnetic chuck that will not loose force when the part is machines at a distance from the magnetic chuck

MORE VERSATILITY

The Electropermanent system easily adapts to pieces of various geometries and complexities



POWERFUL AND PRECISE

The Gerardi magnetic chuck offers powerful and precise magnetic clamping, optimizing setup time and increasing productivity. It is the ideal solution for clamping on machine tools in a safe and energy-efficient manner. Available with 50 and 75 poles, it is ideal for milling and other operations

ART. 89U

Thanks to the Microprocessor Controller is possible operate quickly and easily with one or multiple magnetic plates at the same time

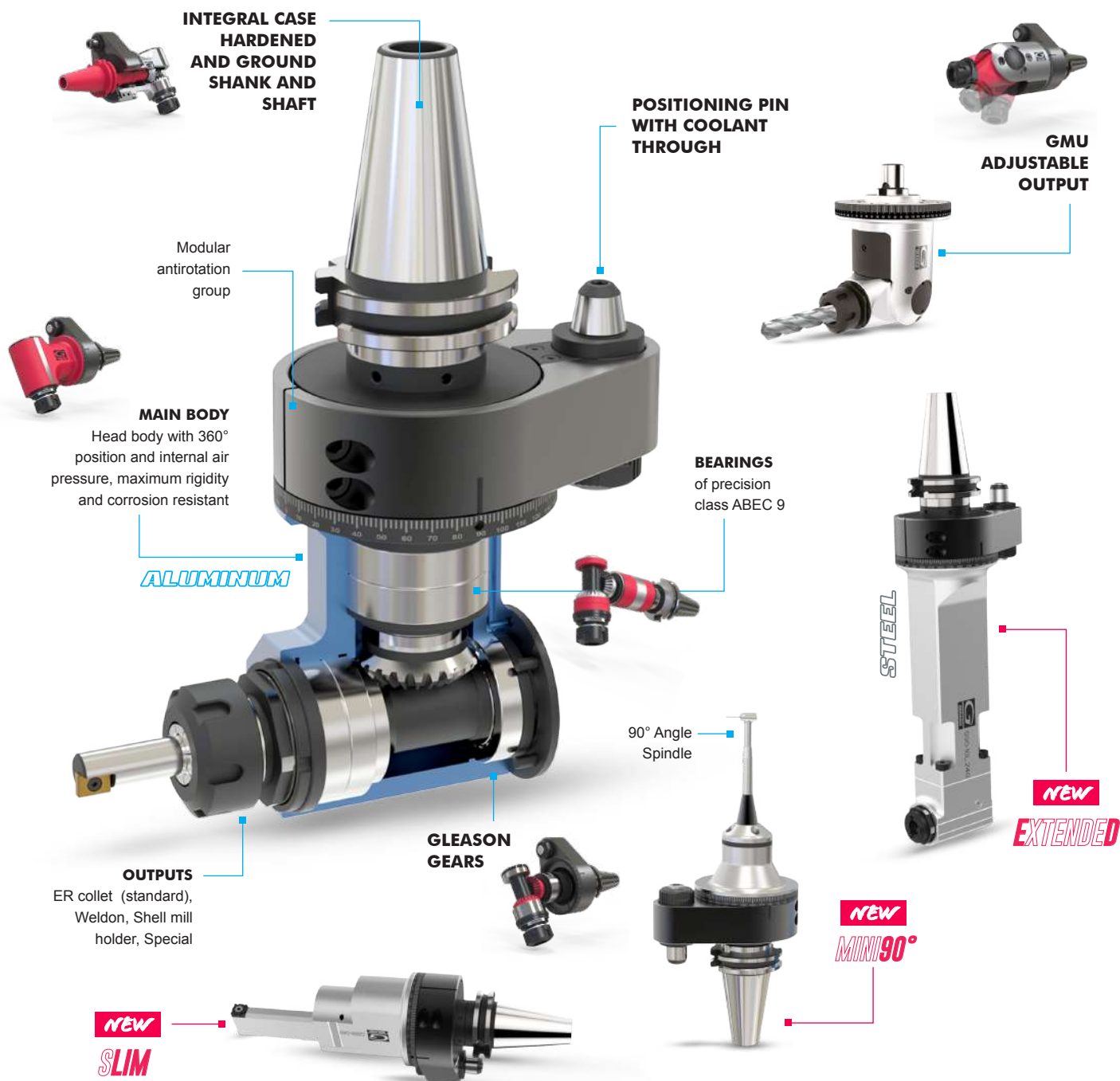
ELECTRO-PERMANENT CHUCK POLE 50 (MAX PERFORMANCE AT 16MM HEIGHT) - ART.89P-50

B	C	D	H	L	Kg	n° Poles	Prot Kg	Cod. Art. 89P (50) For CAST IRON/STEEL Fe370 or C40	Cod. Art. 89R (50) For ALLOY STEEL as 38NiCrMo5 or 16MnCr5
325				370	42	20	8000	89P5323720	89R5323720
360				360	57	25	10.000	89P5363625	89R5363625
370				635	90	40	16.000	89P5376340	89R5376340
360	50	60	55		108	50	20.000	89P5367950	89R5367950
445				790	150	60	24.000	89P5447960	89R5447960
					170	80	32.000	89P5587980	89R5587980
580				940	200	96	38.400	89P5589496	89R5589496

ELECTRO-PERMANENT CHUCK POLE 75 (MAX PERFORMANCE AT 25MM HEIGHT) - ART.89P-75

B	C	D	H	L	Kg	n° Poles	Prot Kg	Cod. Art. 89P (75) For CAST IRON/STEEL Fe370 or C40	Cod. Art. 89R (75) For ALLOY STEEL as 38NiCrMo5 or 16MnCr5
				601	110	24	21.690	89P7416024	89R7416024
415				815	150	32	28.800	89P7418132	89R7418132
				1.029	188			89P7411040	89R7411040
				815	181	40	36.000	89P7508140	89R7508140
503	75	88	60	1.029	228	50	45.000	89P7501050	89R7501050
				601	157	36	32.400	89P7596036	89R7596036
591				815	212	48	43.200	89P7598148	89R7598148
				1.029	267	60	54.000	89P7591060	89R7591060

CLASSIC LINE: INTEGRAL SYSTEM



ATC SERIES (AUTOMATIC TOOL CHANGE)

This range of heads is designed to be used on machining centres and can be automatically transferred from the tool magazine to the machine spindle and back. The main input shaft is integral with the drive taper to ensure maximum rigidity.

MTC SERIES (MANUAL TOOL CHANGE)

This is a range of heads for traditional machine tools with flange attachment. The modular system makes it possible to extend the length of the body by adding a spacer.

ALL ATC ANGLE HEADS CAN BE SUPPLIED AS MTC

More than 1000 types available with
the best price / quality ratio

INTEGRAL SHANK & SHAFT

FOR MORE PRODUCT TYPES,
SEE THE GENERAL CATALOGUE



FIND OUT MORE



ATC SERIES (AUTOMATIC TOOL CHANGE)

	Model	Coolant (options)	Type	Rotation	Output	Body Length	L* Body Length	Ø min**	Rpm	Nm	
MINI 90° Allow machinings in spaces impossible to reach	NEW GM90-3 300S		1		K252	155,9	-	16	15.000	1	
	GM90-3 300		1		CHC	115	-	25	15.000/11.250	1	
	GM90-3 200		1		CHS	124,1	-	38	15.000/10.000	4	
	GM90-3 100		1		CH8	134,1	-	51	15.000/5.620	4	
SLIM	GS90-3XS	-	1		GS90-3XS	180	-	37	10.000	2.3	
EXTENDED Length increased for in-depth machinings	G90-10L.240		1		ER 16	240	-	88	6.000	10	
	G90-16L.270		1		ER 25	270	-	126	4.000	24	
	G90-20L.332		2		ER 32	332	-	164	4.000	40	
	G90-30L.287		3		ER 40	287	-	193	4.000	100	
OFFSET Offset output	GR90-5		1		P6 SCHAUBLIN	132	-	38	8.000	9	
	GR90-10		1		ER 16	122	-	66	4.000	20	
	GR90-16		1		ER 25	132	-	82	4.000	20	
	GR90-20		4		ISO/CAT/BT40	162	-	148	4.000	140	
DOUBLE Double output	G90-16 2U		1		ER 25	82	152	167	4.000	24	
	G90-20 2U	-	2		ER 32	92	172	212	4.000	40	
	G90-30 2U		3		ER 40	107	177	246	4.000	100	
LIGHT Ideal for milling, drilling and tapping at ±90°	GL90-7		0		ER 11	107	-	65	10.000	5	
	GL90-10		0		ER 16	87	-	88	10.000	10	
	GL90-16		1		ER 25	82	-	129	8.000	24	
	GTU-10	-	0		ER 16	87	-	134	6.000	10	
STD 90° 90° machining	G90-5		1		ER 8	110	-	53	10.000	4	
	GM90-5		1		ER 8	110	-	53	10.000	4	
	G90-7		1		ER 11	102	147	68	10.000	5	
	G90-10		1		ER 16	82	157	88	10.000	10	
	G90-16		1		ER 25	82	152	130	8.000	24	
	G90-20		2		ER 32	92	172	164	4.000	40	
	G90-30		3		ER 40	107	177	192	4.000	100	
	G90-S40		4		ISO40/CAT/BT40	110	170	192	4.000	140	
ADJUSTABLE With adjustable angle from 0° to 90°	GMU-13		0		ER 20	67	130	120	4.000	6	
	GMU-16	-	1		ER 25	82	-	142	4.000	18	
	GMU-20		2		ER 32	92	-	165	4.000	32	

MTC SERIES (MANUAL TOOL CHANGE)

ALL ATC ANGLE HEADS CAN BE SUPPLIED AS MTC

	Model	Coolant (options)	Type	Rotation	Output	Body Length	L* Body Length	Ø min**	Rpm	Nm	
XL For large machine tools and milling machines. Ideal for heavy duty cutting	G90-S40		4		ISO/CAT/BT40	110	170	192	4.000	140	
	G90-S40 XL		5		ISO/CAT/BT40	250	-	205	4.000	140	
	G90-S40 XL xx		5		ISO/CAT/BT40	400,500, 600,700	-	202	4.000	140	
	G90-S50		6		ISO/CAT/BT50	300	-	305	3.000	400	
	G90-S50 XL xx		6		ISO/CAT/BT50	400,500, 600,700, 800	-	297	3.000	400	

* Also available "L" series with the longer body



** Ø Min bore for internal machining. Excluding cutting tool

Direction of rotation opposite to the machine spindle



Direction of rotation same as machine spindle



Internal coolant feed through the tool options:
- 10bar through rotating distributor
- From 30 to 70bar through machine spindle

EVOLUTION LINE: MODULAR ANGLE HEADS & SPINDLE SPEEDERS

MODULAR SHANK

Case hardened and ground



MODULARITY

One head for many machines



Slim Angle heads ideal for micromachining



BEARINGS

Angular contact preloaded ball bearings of precision class ABEC 9



POSITIONING PIN



ANGULAR HEAD BODY

Treated steel head body with 360° positions, maximum rigidity and corrosion resistant



GLEASON SPIRAL BEVEL GEARS

Maximum performance and minimum vibration



NEW GSP



OUTPUTS

ER collet (standard), Weldon, Shell mill holder, Special



FMU ADJUSTABLE
Fully adjustable output $\pm 90^\circ$



POSITIONING PIN
automatic release and internal coolant through the pin

SPINDLE SPEEDERS BODY

Heat-treated steel body, speed increase up to 1÷8 through two planetary gears with amazingly low noise levels



INTERCHANGEABLE DRIVE TAPERS



FIND OUT MORE

NEW

GSP

OFFSET

DOUBLE***LIGHT***

SLIM
Micromachining

STD 90°



COOLANT

OFF-SET

DOUBLE

LIGHT

SLIM

STD90°

STD90°

FMU

COOLANT



31

DRIVEN TOOLS FOR CNC LATHES & VDI TURRETS STATIC TOOLS FOR VDI & BMT TURRETS

VDI TOOLHOLDERS

It consists of a serrated shaft that is inserted into an opening on the face of the turret. The driven tool is locked in position by a mating part with teeth located inside the turret. Tightening the locking screw with an Allen wrench secures the toolholder, preventing its rotation with a pin on the turret. Unlike BMT driven tools, VDI types can be mounted on either the outer circumference or the face of the turret, depending on the machine's configuration.

THE BMT, OR "BASE MOUNTED TURRET"

The BMT toolholder is securely fastened to the turret face with 4 socket head cap screws and locked in place using locating keys on the turret face. Unlike VDI models, there is no need to align the motorized toolholder, and its simple design makes it the best choice for quick replacement.



External Coolant
standard

ANTI-CORROSION TREATMENT

Static toolholders are produced with certified top quality steel and are subjected to an anti-corrosion treatment

BORING BAR SLEEVES

Used on all types of lathe. They can be supplied with screw and slot, with collar, extended or reduced.

GLEASON SPIRAL BEVEL GEARS

With completely ground involute form

BALL BEARINGS

Preloaded angular contact ball bearings precision and long life lubrication

AVAILABLE OUTPUTS



TAPPING

All driven tools can be equipped with axially compensated collets ET-1. They allow the tap an axial compensation from 7 to 13 mm in order to compensate any feed error and the inversion of the rotation of direction

MAIN BODY TREATED

Corrosion resistant steel body





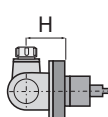
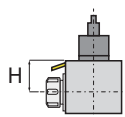
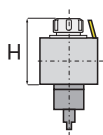
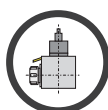
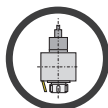
UPGRADE YOUR LATHE AND BOOST PRODUCTIVITY!

The tables above show some models from the BMT Standard range for example purposes

BMT

COMPATIBLE WITH DOOSAN / HARDINGE / SAMSUNG /
HWACHEON / HYUNDAI WIA / VICTOR / HAAS / SPINNER.
BMT 65 ALSO COMPATIBLE WITH HAAS LATHES !

Type	BMT	Cod.	ER	H Max	Nm*	Rpm
Axial	45	99.DS.A03	25	57,2	35	8000
Axial	45	99.DS.A04	25	57,2	35	8000
Axial	55	99.DS.A01	25	57,2	40	8000
Axial	55	99.DS.A02	25	57,2	40	8000
Axial	65 HAAS READY!	99.DS.A41	32	72,5	70	6000
Axial	65 HAAS READY!	99.DS.A42	32	72,5	70	6000
Axial	75	99.DS.A34	40	90,2	100	6000
Axial	75	99.DS.A35	40	90,2	100	6000
Radial	45	99.DS.A07C	25	65	35	8000
Radial	45	99.DS.A08C	25	65	35	8000
Radial	55	99.DS.A11C	25	70	40	8000

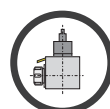


* The torque value, expressed in Nm, is the maximum allowed. Prolonged use at this value can damage the driven tool; for longer life and less wear, it is recommended to keep it below this limit.

BMT

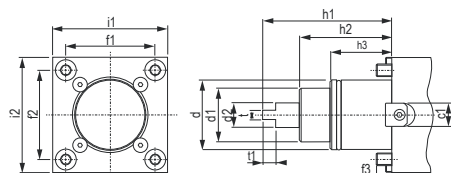
COMPATIBLE WITH DOOSAN / HARDINGE / SAMSUNG /
HWACHEON / HYUNDAI WIA / VICTOR / HAAS / SPINNER.
BMT 65 ALSO COMPATIBLE WITH HAAS LATHES !

Type	BMT	Cod.	ER	H Max	Nm*	Rpm
Radial	55	99.DS.A12C	25	70	40	8000
Radial	65 HAAS READY!	99.DS.A51C	32	72	70	6000
Radial	65 HAAS READY!	99.DS.A52C	32	72	70	6000
Radial	65 HAAS READY!	99.DS.A73C	32	100	70	6000
Radial	65 HAAS READY!	99.DS.A74C	32	100	70	6000
Radial	75	99.DS.A38C	40	60	100	6000
Radial	75	99.DS.A39C	40	60	100	6000
Adj ±90°	45	99.DS.A16	20	65	15	8000
Adj ±90°	45	99.DS.A17	20	65	15	8000
Adj ±90°	55	99.DS.A23	20	65	15	8000
Adj ±90°	55	99.DS.A66	20	65	15	8000
Adj ±90°	65 HAAS READY!	99.DS.A64	25	75	25	6000
Adj ±90°	65 HAAS READY!	99.DS.A65	25	75	25	6000
Adj ±90°	75	99.DS.A47	25	75	25	6000
Adj ±90°	75	99.DS.A48	25	75	25	6000



Both direction of rotation to machine spindle available
Direction of rotation same as machine spindle
Direction of rotation opposite to machine spindle
Int. Coolant

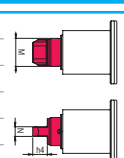
BMT ATTACHMENT WITH STANDARD TENON



Code example with Bigger Tenon: 99.DS.A03T

BMT	c1	Ød	Ød1	Ød2	f1	f2	f3	h1	h2	h3	i1	i2	t	t2	h4	N	ØM
45	15	45	35	14	58	58	10	84	60	40	75	75	6	8,5	-	-	-
55	15	55	40	16	64	64	14	104	75	30	85	85	8	8,5	9,5	8	29
65	18	65	45	18	70	73	15	112	83	32	94	94	10	14	15	10	29
75	25	75	55	23	90	90	15	110	80	43	112	112	14	15	-	-	-
85	25	85	65	33,5	100	100	18	140	100	43	125	125	16	20	-	-	-

Driven tools with bigger
tenon available on request



ESTORE GERARDI

WHICH IS YOUR MACHINE MODEL? WE BET IT IS ON OUR ESTORE!

- What brand and model of lathe are you looking for ?
DOOSAN / HARDINGE / GOODWAY / DMG MORI / MIYANO ecc...
- Which kind of turret has your lathe?
VDI / BMT55 / BMT65 ecc...

Check out our estore, with two simple questions you will find all the Driven Tools suitable for the lathe you have !





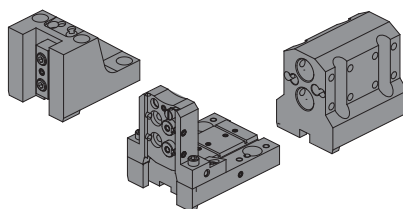
FIND OUT MORE



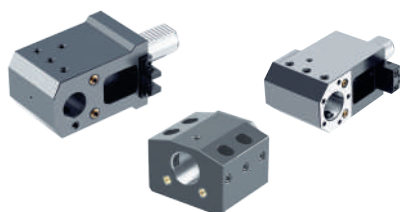
MAXIMUM PRECISION BOTH FOR TURNING, DRILLING AND BORING!



VDI

**BIGLIA**

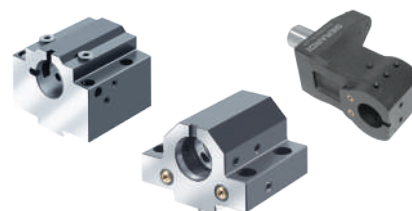
BMT STANDARD



DMG MORI



HAAS



MAZAK



NAKAMURA



OKUMA



TSUGAMI

QUICK CHANGE ADAPTORS

HIGH TORQUE MODULAR QUICK CHANGE ADAPTORS

They are a modular toolholder system for the fitting of toolholders in a spindle unit with ER collets (DIN6499) outputs. All Adaptors are suitable for external and internal coolant supply and keep the presetting already done.



External thread



Internal thread

**REDUCED SET-UP TIME
AND POSSIBILITY
OF OFFLINE TOOL
PRESETTING !**



WE DESIGN, MANUFACTURE & DISTRIBUTE WORLDWIDE

DESIGNING

We design and develop innovative solutions for clamping, workholding and fixture such as precision vises, angle heads and driven tools

MANUFACTURING

Machines, tools, CAD/CAM and a great Team contribute to the realization of even very complex components and ensure excellent machining results

WORLDWIDE DISTRIBUTION

The distribution of our products is supported by an extensive network of wholesalers and agents that promote and service our range of products worldwide

CUSTOMER CARE

An extraordinary point of our strength is our huge spare parts stock, maintenance and repair service with free phone assistance of our technical Team before & after sales

**ANGLE HEADS
CLASSIC LINE**

**PRECISION
MODULAR
VISES**

TOMBSTONES



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