

EXPIRES ON SEPTEMBER 2023



West Building  
Level 3



BOOTH: 431384



COMPLETE  
METALWORKING  
SOLUTIONS

(800) 991-4225  
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ISO Certified  
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★★★★★  
USA 2022-23

# SPECIAL OFFER

★★★★





# DOUBLE ZERO POINT

Never Stop Evolving

IDEAL FOR 5<sup>th</sup> AXIS MACHINING CENTRES

MADE IN ITALY

5 YEARS WARRANTY

REDUCTION UP TO

**26%**

# NEVER STOP EVOLVING!

A versatile Zero Point that  
can be positioned at  
different pitches!

(on a grid or dedicated plate)

Sept 12 > 17th - Chicago, U.S.A



# IMTS 2022

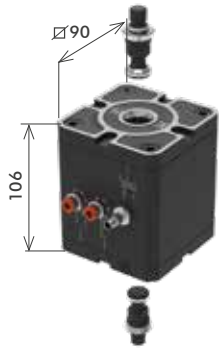
West Building Level 3  
BOOTH: 431384

**NEW**




**Standard equipment:**

- ◆ 2 Pull-stud Art.11A/10A
- ◆ Teflon cap with O-Ring Art.9



**Art.665T**


**DOUBLE**

Type	1
Code	9.66.5T100
Air Input	6 Bar
kN	4,9
 kN	12,2
Material	ACCIAIO - STEEL
Kg	5,2
LIST PRICE \$	<del>1.856</del>
SPECIAL PRICE \$	<b>1.434</b>



**Art.665T**


**DOUBLE**

Type	2
Code	9.66.5T200
Air Input	7 Bar
kN	10,7
 kN	NOT AVAILABLE
Material	ACCIAIO - STEEL
Kg	9,7
LIST PRICE \$	<del>2.428</del>
SPECIAL PRICE \$	<b>1.799</b>



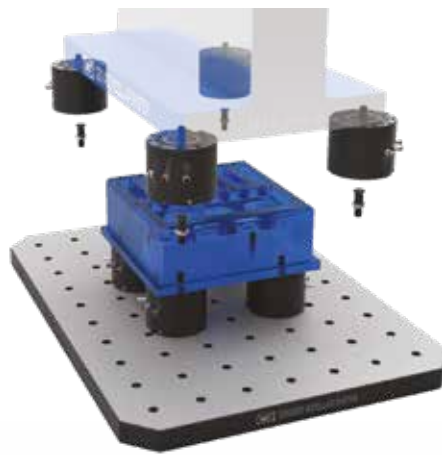
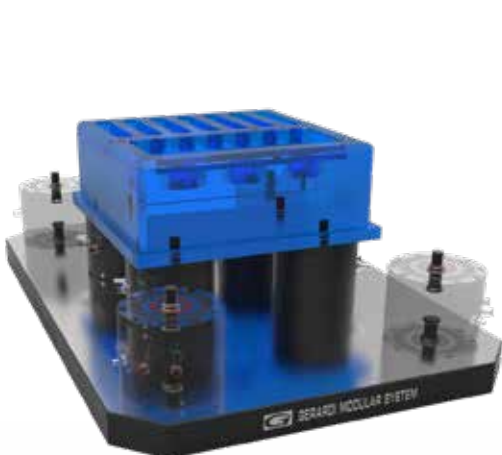
**Art.665T**

**DOUBLE**

Type	3
Code	9.66.5T300
Air Input	7 Bar
kN	14,7
 kN	41,6
Material	ACCIAIO - STEEL
Kg	18,8
LIST PRICE \$	<del>2.856</del>
SPECIAL PRICE \$	<b>2.205</b>

Clamping force 5 ÷ 40 kN / Holding force more than 60 kN / Pneumatic release 6 ÷ 14 bar / Positioning shank with axial compensation / Double pull-stud centering for Max rigidity / Air cleaning

**EXTREME VERSATILITY + QUICK SET-UP**



The DOUBLE zero point comes from the need to tighten parts and equipment of the most different shapes and sizes on the same base plate.

Possibility to change the position of the Zero Point units to clamping and positioning the equipment and workpiece of different sizes on the same base plate.

The DOUBLE Zero Point units can be positioned at different pitches through grid or dedicated plates





# STANDARD VISES

Precision modular vises series The most popular!  
**IDEAL FOR VERTICAL MACHINING CENTRES**

5 YEARS WARRANTY

REDUCTION UP TO

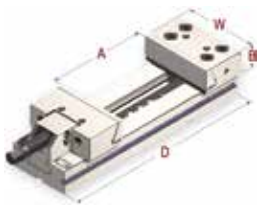
**27%**

### Technical data:

- All steel construction hardened and ground HRc 60
- Accuracy within 0,0008"
- Gang operation
- Pull down jaws
- Space saving design
- No wear (5 years warranty)
- Unlimited clamping range



STD precision modular vise with standard equipment



Vise Type W	2 (4.9 inch)	3 (5.9 inch)		4 (6.9 inch)				5 (7.9 inch)			
Max Opening A	5.9	7.9	11.8	7.9	11.8	15.7	19.7	7.9	11.8	15.7	19.7
Jaw Height B	1.58	1.97		2.36				2.60			
Base Length D	13.6	16.5	20.5	17.9	21.9	25.8	29.7	19.5	23.4	27.4	31.3
kN	25	30		30				40			
Order code	3.02.10000	3.03.20000	3.03.30000	3.04.20000	3.04.30000	3.04.40000	3.04.50000	3.05.20000	3.05.30000	3.05.40000	3.05.50000
LIST PRICE \$	<del>928</del>	<del>1.014</del>	<del>1.180</del>	<del>1.436</del>	<del>1.519</del>	<del>1.687</del>	<del>2.024</del>	<del>1.855</del>	<del>2.194</del>	<del>2.531</del>	<del>3.038</del>
SPECIAL PRICE \$	<b>699</b>	<b>749</b>	<b>899</b>	<b>1.049</b>	<b>1.149</b>	<b>1.299</b>	<b>1.599</b>	<b>1.349</b>	<b>1.599</b>	<b>1.899</b>	<b>2.399</b>

**A RANGE OF VISES FOR THE MOST VARIED AND COMPLICATE NEEDS OF ROUGH, FLAT AND ROUND WORKPIECES MACHINING**



# STANDARD FLEX VISES

Innovative comb system for quick pull-down jaw plates change!  
**IDEAL FOR VERTICAL & HORIZONTAL MACHINING CENTRES**

5 YEARS WARRANTY

REDUCTION UP TO

**26%**

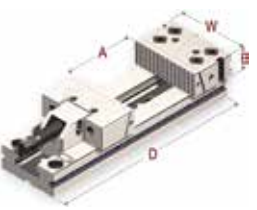
precision modular vise with solid guided movable jaw

### Technical data:

- Same as STD Art.1
- Vertical gang operation too
- Great savings in vise resetting times
- Better protection from chips
- Increased and better pull down action
- Highest repositioning accuracy
- Jaws type "A" fit standard vise bases too



StandardFLEX precision modular vise with standard equipment

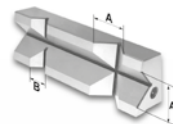


Vise Type W	2 (4.8 inch)	3 (5.7 inch)		4 (6.7 inch)				5 (7.7 inch)			
Max Opening A	5.9	7.9	11.8	7.9	11.8	15.7	19.7	7.9	11.8	15.7	19.7
Jaw Height B	1.5	1.9		2.3				2.5			
Base Length D	13.6	16.5	20.5	17.9	21.9	25.8	29.7	19.5	23.4	27.4	31.3
kN	25	30		30				40			
Order code	1.1A.20000	1.1A.32000	1.1A.33000	1.1A.42000	1.1A.43000	1.1A.44000	1.1A.45000	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000
LIST PRICE \$	<del>1.140</del>	<del>1.371</del>	<del>1.581</del>	<del>1.743</del>	<del>1.917</del>	<del>2.092</del>	<del>2.225</del>	<del>2.276</del>	<del>2.726</del>	<del>3.184</del>	<del>3.634</del>
SPECIAL PRICE \$	<b>899</b>	<b>1.049</b>	<b>1.199</b>	<b>1.299</b>	<b>1.449</b>	<b>1.599</b>	<b>1.699</b>	<b>1.699</b>	<b>2.049</b>	<b>2.399</b>	<b>2.699</b>



**Art. 230E**  
Step jaw plates  
(0.1" x 0.2")

Vise Type	2	3	4	5
Order code	4.23.0E201	4.23.0E301	4.23.0E401	4.23.0E501
LIST PRICE \$	<del>127</del>	<del>155</del>	<del>193</del>	<del>274</del>
SPECIAL PRICE \$	<b>95</b>	<b>116</b>	<b>145</b>	<b>206</b>



**Art. 230F**  
Prismatic jaw plates

Vise Type	2	3	4	5
Order code	4.23.0F201	4.23.0F301	4.23.0F401	4.23.0F501
Ø Min / Max A inch	0.4 / 0.9	0.5 / 1.5	0.6 / 1.6	0.6 / 1.7
Ø Min / Max B inch	0.3 / 0.7	0.4 / 0.9	0.4 / 0.9	0.3 / 0.9
LIST PRICE \$	<del>167</del>	<del>199</del>	<del>252</del>	<del>354</del>
SPECIAL PRICE \$	<b>125</b>	<b>149</b>	<b>189</b>	<b>266</b>



The New Range Of Vises With Quick Change Jaw Inserts. No Tools Needed



# MODULAR ELEMENTS

Precision Modular Vises Series, For an Increased Versatility

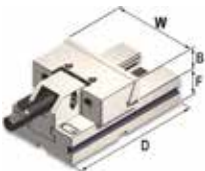
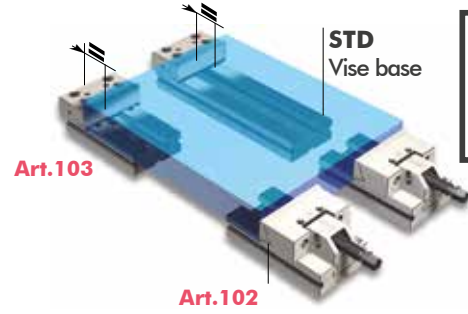
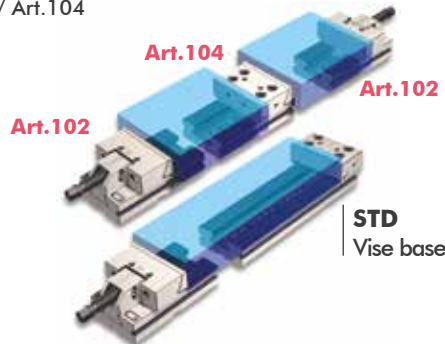
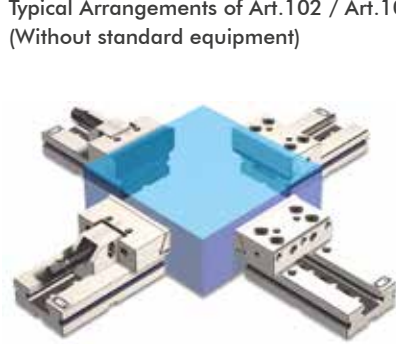
IDEAL FOR VERTICAL & HORIZONTAL MACHINING CENTRES

5 YEARS WARRANTY

REDUCTION UP TO

25%

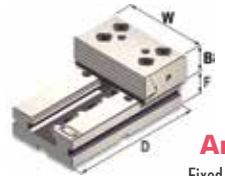
Typical Arrangements of Art.102 / Art.103 / Art.104  
(Without standard equipment)



**Art.102**

Movable jaw section and base assy

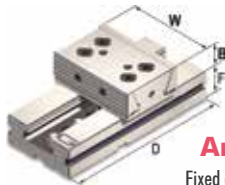
Vise Type	2	3	4	5
W inch	4.9	5.9	6.9	7.9
D inch	6.3	9.1	9.4	11.8
B inch	1.58	1.97	2.36	2.60
F inch	3.2	3.9	4.6	5.3
lb	13.9	31.3	45.9	77.2
*M	3	4	3	5
kN	25	30	30	40
*M = Holes number on the base				
Order code	2.10.22000	2.10.23000	2.10.24000	2.10.25000
LIST PRICE \$	<del>580</del>	<del>729</del>	<del>854</del>	<del>1.273</del>
SPECIAL PRICE \$	449	549	649	949



**Art.103**

Fixed jaw section and base STD

Vise Type	2	3	4	5
lb	13.9	31.3	45.9	77.2
D inch	6.3	9.1	9.4	11.8
Order code	2.10.32000	2.10.33000	2.10.34000	2.10.35000
LIST PRICE \$	<del>507</del>	<del>659</del>	<del>729</del>	<del>1.198</del>
SPECIAL PRICE \$	399	499	599	899



**Art.104**

Fixed double-jaw section and base STD

Vise Type	2	3	4	5
lb	13.2	29.3	41.5	66.2
D inch	6.3	9.1	9.4	11.8
Order code	2.10.42000	2.10.43000	2.10.44000	2.10.45000
LIST PRICE \$	<del>588</del>	<del>773</del>	<del>868</del>	<del>1.403</del>
SPECIAL PRICE \$	449	549	649	1.049

## A RANGE OF VISES WITHOUT ANY OPENING LIMIT



# XL VISES

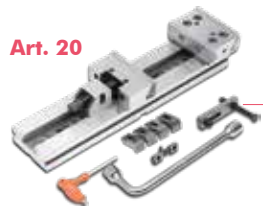
Vises with the extra large base dimension, much longer than STD vises.

IDEAL FOR VERTICAL & HORIZONTAL MACHINING CENTRES

5 YEARS WARRANTY

REDUCTION UP TO

26%



**Art. 20**

XL precision modular vise with standard equipment

**Art. 370**

For Art.30 the standard equipment includes n.2 worktops

**Art. 30**  
(double clamping)



**Art. 20**  
(single clamping)

Standard alignment



Vise Type	W	2 (4.9 inch)	3 (5.9 inch)	4 (6.8 inch)				5 (7.8 inch)				
Max Opening A		12.6	14.2	18.1	15.7	19.7	23.6	27.6	19.7	23.6	27.6	31.5
Max Opening A1		3.9	4.3	6.3	4.7	6.7	8.7	10.6	5.9	7.9	9.8	11.8
Jaw Height B		1.58	1.97		2.36				2.60			
Base Length D		20.5	22.8	26.8	26.2	30.2	34.1	38	31.7	35.6	39.6	43.5
kN		25	30		30				40			
Order code Art. 20		3.22.10000	3.23.20000	3.23.30000	3.24.20000	3.24.30000	3.24.40000	3.24.50000	3.25.20000	3.25.30000	3.25.40000	3.25.50000
kg Art. 20		17	31	34	46	51	56	61	85	92	99	106
LIST PRICE \$		<del>1.413</del>	<del>1.756</del>	<del>1.946</del>	<del>2.050</del>	<del>2.253</del>	<del>2.453</del>	<del>2.661</del>	<del>3.479</del>	<del>3.881</del>	<del>4.287</del>	<del>4.690</del>
SPECIAL PRICE \$		1.049	1,299	1,499	1,599	1,699	1,899	1,999	2,599	2,999	3,499	3,999
Order code Art. 30		3.32.10600	3.33.20600	3.33.30600	3.34.20600	3.34.30600	3.34.40600	3.34.50600	3.35.20600	3.35.30600	3.35.40600	3.35.50600
kg Art. 30		20,5	38	42	58	63	68	73	95	101	107	113
LIST PRICE \$		<del>1.730</del>	<del>2.131</del>	<del>2.325</del>	<del>2.485</del>	<del>2.692</del>	<del>2.894</del>	<del>3.100</del>	<del>4.046</del>	<del>4.448</del>	<del>4.850</del>	<del>5.256</del>
SPECIAL PRICE \$		1,299	1,599	1,799	1,899	1,999	2,199	2,399	2,999	3,499	3,899	4,399



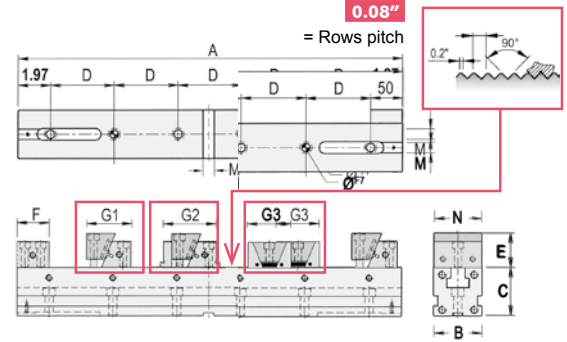
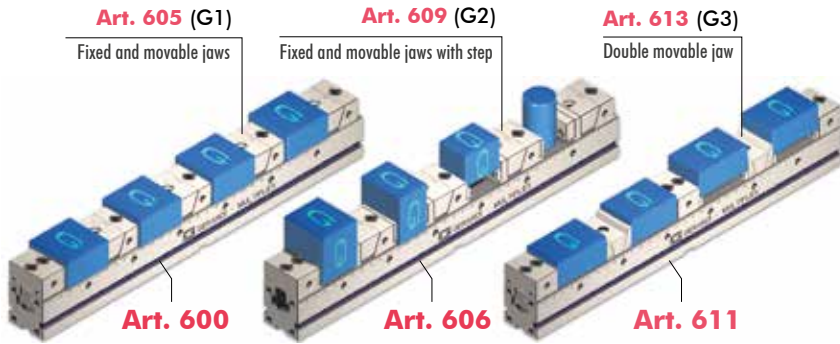
A Range Of Vises For Over Sized Workpiece Clamping



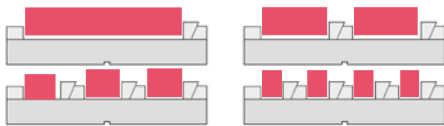
For multiple clamping from 1 to 19 workpieces of various sizes

**IDEAL FOR VERTICAL & HORIZONTAL MACHINING CENTRES**

5 YEARS WARRANTY



Vise Type	Art. 600													Art. 606				Art. 611			
	A	B	C	D <sup>-0.2</sup>	E	F	M <sup>H7</sup>	N	Ø <sup>F7</sup>	G1	kN	Order code	LIST P. S	G2	kN	Order code	LIST P. S	G3	kN	Order code	LIST P. S
<b>1</b> 1.97 inch	11.8	50	1.97	3.94	1.3/1	1.5	0.63	49	0.4	2.2/2.3	20	6.60.01300	1.483	2.6/2.7	6.60.61300	2.246	1.7/2	6.61.11300	2.246		
	15.7	50	1.97	3.94	1.3/1	1.5	0.63	49	0.4	2.2/2.3		6.60.01400	1.611	2.6/2.7	6.60.61400	2.339	1.7/2	6.61.11400	2.339		
	19.7	50	1.97	3.94	1.3/1	1.5	0.63	49	0.4	2.2/2.3		6.60.01500	1.756	2.6/2.7	6.60.61500	2.482	1.7/2	6.61.11500	2.482		
	23.6	50	1.97	3.94	1.3/1	1.5	0.63	49	0.4	2.2/2.3		6.60.01600	1.914	2.6/2.7	6.60.61600	2.640	1.7/2	6.61.11600	2.625		
	<b>NEW</b> 27.6	50	1.97	3.94	1.3/1	1.5	0.63	49	0.4	2.2/2.3		6.60.01700	2.141	2.6/2.7	6.60.61700	2.870	1.7/2	6.61.11700	2.870		
<b>2</b> 2.95 inch	15.7	75	2.95	3.94	1.6	2	0.63	74	0.63	2.8/3.0	30	6.60.02400	1.931	3.3/3.5	6.60.62400	2.796	2.0/2.3	6.61.12400	2.796		
	19.7	75	2.95	3.94	1.6	2	0.63	74	0.63	2.8/3.0		6.60.02500	2.073	3.3/3.5	6.60.62500	2.941	2.0/2.3	6.61.12500	2.941		
	23.6	75	2.95	3.94	1.6	2	0.63	74	0.63	2.8/3.0		6.60.02600	2.233	3.3/3.5	6.60.62600	3.104	2.0/2.3	6.61.12600	3.104		
	27.6	75	2.95	3.94	1.6	2	0.63	74	0.63	2.8/3.0		6.60.02700	2.391	3.3/3.5	6.60.62700	3.263	2.0/2.3	6.61.12700	3.263		
	<b>NEW</b> 31.5	75	2.95	3.94	1.6	2	0.63	74	0.63	2.8/3.0		6.60.02800	2.607	3.3/3.5	6.60.62800	3.493	2.0/2.3	6.61.12800	3.493		
<b>NEW</b> <b>3</b> 3.94 inch	27.6	100	3.94	3.94	2.4	2.8	0.63	99	0.63	3.7/3.8	40	6.60.03700	2.766	4.3/4.4	6.60.63700	3.770	3.3/3.5	6.61.12700	3.770		
	31.5	100	3.94	3.94	2.4	2.8	0.63	99	0.63	3.7/3.8		6.60.03800	2.995	4.3/4.4	6.60.63800	4.001	3.3/3.5	6.61.13800	4.001		
	35.4	100	3.94	3.94	2.4	2.8	0.63	99	0.63	3.7/3.8		6.60.03900	3.228	4.3/4.4	6.60.63900	4.232	3.3/3.5	6.61.13900	4.232		
	39.4	100	3.94	3.94	2.4	2.8	0.63	99	0.63	3.7/3.8		6.60.03100	3.538	4.3/4.4	6.60.63100	4.542	3.3/3.5	6.61.13100	4.542		



The MULTIFLEX precision modular vises are a totally new concept of modular clamping system able to maximize the machine table capacity and increase its productivity. The comb system is used even between the fixed and movable jaw, increases and improves the clamping capacity.

← Typical arrangements

Each vise is supplied for 4 workpieces clamping. Standard equipment: "T" wrenches, 2 positioning key nuts and 4 workstops

**MAX OPENING ACCORDING TO NUMBER OF PIECES BE CLAMPED**

Vise Type	Jaw Width	A	Art. 600 # pieces:											Art. 606 # pieces:											Art. 611 # pieces:											
			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10	11	12		
<b>1</b> 1.97 inch	11.8	8.2	3	1.2	0.3	/	/	/	/	/	/	/	7.6	2.5	0.7	/	/	/	/	/	/	6.9	3.4	1.1	0.8	/	/	/	/	/	/	/	/			
	15.7	12.1	4.9	2.5	1.3	0.6	0.1	/	/	/	/	/	11.5	4.4	2.1	0.9	/	/	/	/	/	10.8	5.4	2.4	1.89	0.7	0.6	/	/	/	/	/	/			
	19.7	16.1	6.9	3.8	2.3	1.4	0.7	0.3	/	/	/	/	15.5	6.4	3.4	1.9	1	/	/	/	/	14.7	7.3	3.7	2.8	1.5	1.3	0.6	0.5	0.1	/	/	/			
	23.6	20	8.9	5.1	3.3	2.2	1.4	0.9	0.5	0.2	/	/	19.4	8.4	4.7	2.9	1.8	1	0.5	/	/	18.7	9.3	5	3.8	2.3	1.9	1.2	1	0.5	0.5	0.1	0.1			
	<b>NEW</b> 27.6	23.9	10.8	6.3	4.3	3	2	1.4	0.9	0.6	0.3	0.1	23.3	10.4	6	3.8	2.5	1.7	1	0.6	/	22.6	11.3	6.4	4.8	3.1	2.6	1.7	1.5	0.9	0.9	0.5	0.4			
<b>2</b> 2.95 inch	15.7	10.8	3.9	1.6	0.5	/	/	/	/	/	/	/	10.3	3.4	1.1	/	/	/	/	/	/	9.5	4.8	1.8	1.3	0.2	/	/	/	/	/	/	/			
	19.7	14.8	5.9	3	1.5	0.6	/	/	/	/	/	/	14.3	5.4	2.4	0.9	/	/	/	/	/	13.5	6.7	3.1	2.3	1	0.8	0.1	/	/	/	/	/			
	23.6	18.7	7.9	4.3	2.4	1.4	0.6	0.1	/	/	/	/	18.2	7.4	3.7	1.9	0.9	/	/	/	/	17.4	8.7	4.4	3.3	1.8	1.5	0.7	0.6	0	/	/	/			
	27.6	22.6	9.8	5.6	3.4	2.2	1.3	0.7	0.2	/	/	/	22.1	9.3	5	2.9	1.7	0.8	/	/	/	21.3	10.7	5.7	4.3	2.6	2.1	1.2	1.1	0.5	0.4	/	/			
	<b>NEW</b> 31.5	26.6	11.8	6.9	4.4	3	2	1.3	0.7	0.3	/	/	26.1	11.3	6.4	3.9	2.4	1.5	0.7	/	/	25.3	12.6	7	5.3	3.3	2.8	1.8	1.6	0.9	0.8	0.4	0.4			
<b>NEW</b> <b>3</b> 3.94 inch	27.6	20.9	8.5	4.4	2.3	1.1	0.3	/	/	/	/	/	20.4	8	3.8	1.7	0.5	/	/	/	/	18.5	9.3	4.1	3	1.2	1	/	/	/	/	/	/			
	31.5	24.9	10.5	5.7	3.3	1.9	0.9	0.2	/	/	/	/	24.3	9.9	5.1	2.7	1.3	/	/	/	/	22.4	11.2	5.4	4	2	1.6	0.5	0.4	/	/	/	/			
	35.4	28.8	12.5	7	4.3	2.7	1.5	0.8	0.2	/	/	/	28.2	11.9	6.4	3.7	2.1	1	/	/	/	26.4	13.2	6.7	5	2.8	2.2	1	0.9	0.1	/	/	/			
	39.4	32.8	14.4	8.3	5.3	3.5	2.2	1.3	0.7	0.2	/	/	32.2	13.9	7.7	4.7	2.9	1.7	0.7	/	/	30.3	11.2	8	6	3.5	2.9	1.6	1.4	0.6	/	/	/			



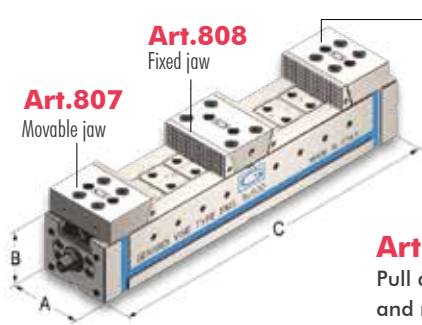
**Art. 605**  
Fixed and movable jaws with comb system



**Art. 609**  
Fixed and movable jaws with step



**Art. 613**  
Double movable jaw



**Art.807**  
Movable jaw

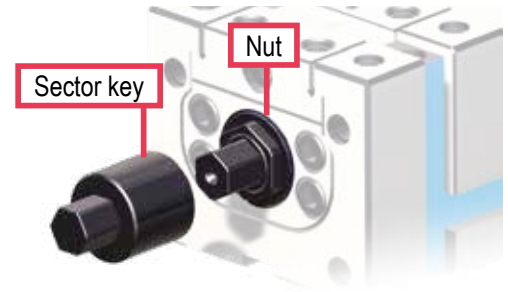
**Art.855**  
Base Module

**Art. 865**

Pull down jaws with comb system for quickest and most accurate resetting (Hand jaw plates change)

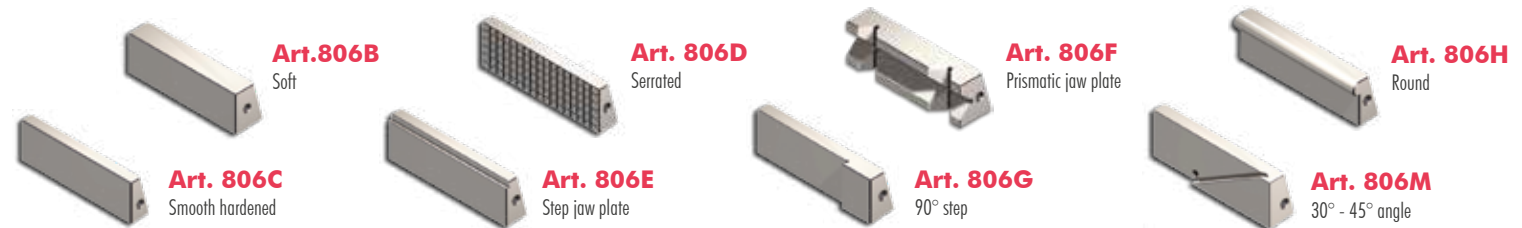
Vise Type	MAX Opening	A	B	B	kN	Order code	LIST PRICE \$
3x400	2 x 3.1	3.7	3.5	15.7	30	5.86.53400	3.640
3x500	2 x 3.8	4.9	3.9	19.7	30	5.86.53500	3.373
4x600	2 x 4.5	5.7	4.7	23.6	30	5.86.54600	4.365

Vise resetting from self-centering to double clamping and viceversa is very quick and easy with a pin hexagon bushing supplied with the standard equipment  
Single clamping is always available in both self-centering and double configuration.  
Possible clamping 2 workpieces of different dimensions with ease too.



**Standard equipment:**

- N.1 box wrench Art.375 • N.2 workshop Art.370
- N.1 pair of precision positioning key-nuts Art.297



**THE WORKHOLDING SYSTEM WITH THE LARGEST RANGE OF APPLICATIONS AVAILABLE IN THE WORLD**

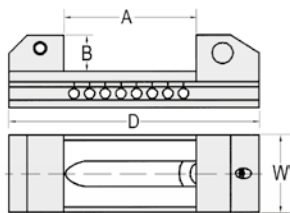


**Art. 666**

Highest precision vise series "OK" with standard equipment

**THE FIXED JAW AND THE VISE BASE IS MADE OUT OF ONE PIECE !!**

All case hardened and hardened HRC 60. Squareness and parallelism: 0,0001" / 4". For checking and control, for E.D.M. machine and for milling



Vise Type	0	1	2	3	4	5	6	7	8
Jaw Width inch <b>W</b>	1.2	2.4	3	3.9	4.9	4.9	4.9	4.9	6.3
Max Opening inch <b>A</b>	1.1	3.1	3.9	4.7	6.3	7.1	7.9	10.2	7.9
Jaw Height inch <b>B</b>	0.6	1.1	1.6	1.8	2	2	2	2	2.5
Vise Length inch <b>D</b>	3	6.9	8.7	10.2	13	13.8	14.6	16.9	16.1
<b>lb</b>	0.61	6.21	12.83	23.68	42.88	44.27	45.78	58.91	83.79
<b>kN</b>	-	-	160	160	180	180	180	180	200
Order code	3.66.60000	3.66.61000	3.66.62000	3.66.63000	3.66.64000	3.66.65000	3.66.66000	3.66.67000	3.66.68000
<b>kN</b>	-	-	160	160	180	180	180	180	200
LIST PRICE \$	<del>238</del>	<del>479</del>	<del>568</del>	<del>808</del>	<del>1.152</del>	<del>1.261</del>	<del>1.375</del>	<del>1.876</del>	<del>2.310</del>
<b>SPECIAL PRICE \$</b>	<b>199</b>	<b>399</b>	<b>449</b>	<b>649</b>	<b>899</b>	<b>999</b>	<b>1,099</b>	<b>1,499</b>	<b>1,799</b>





# MULTITASKING VISES

Self centering and eccentric vises.

IDEAL FOR 5<sup>th</sup> AXIS MACHINING CENTRES

5 YEARS WARRANTY

REDUCTION UP TO

32%

## Technical data:

- Jaw adjustment in steps of 0.08" (Multiaxis self-centering)
- Precision hardened (HRC60) and ground steel construction
- Gripping accuracy within 0,0006"
- Solid, rigid construction for minimum deflection
- Series of interchangeable jaws available

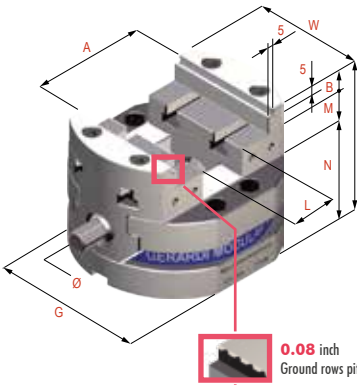


**Art.640**  
Type 3x166



**Art.640** Type 2

**Art. 645B** Machineable soft jaws



Vise type	1	2	3 (3x166)	3 (3x266)
Jaw width inch W	2.9	3.9	5.4	5.4
Max opening inch A	2.9	4.1	4.2	8.1
Jaw height inch B	0.6	0.8	1.1	1.1
Soft jaw height inch B1	1	1.2	1.9	1.9
inch Ø	4.7	6.3	-	-
Slides opening inch L	0.8	1.6	0.8	2.3
Slides height inch M	0.8	1	0.9	0.9
Base body height inch N	2	2.8	2.2	2.2
Base body width inch G	4.7	6.3	6.5	10.4
Vise total height O	3.3	4.5	4.4	4.4
ib	10.8	24.3	28.6	44
kN	16	20	30	30
Code	6.64.01000	6.64.02000	7.64.03166	7.64.03266
LIST PRICE \$	2.290	2.817	3.277	3.433
SPECIAL PRICE \$	1,549	2,049	2,299	2,399

Vise type	1	2	3
Code	6.64.5B100	6.64.5B200	7.64.5B300
LIST PRICE \$	125	148	195
SPECIAL PRICE \$	94	111	149

Available also: smooth, soft, prismatic or grip jaws



**Art. 645T** Grip Jaws

Vise type	1	2	3
Code	6.64.5T100	6.64.5T200	7.64.5T300
LIST PRICE \$	157	178	225
SPECIAL PRICE \$	118	134	169



# COMPACTGRIP VISES

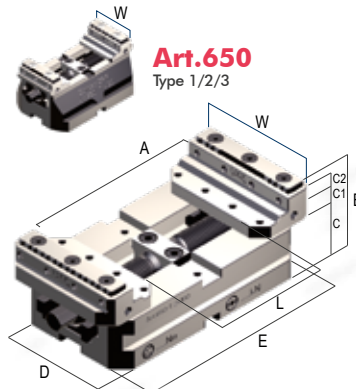
Self centering vises with reversible jaws.

IDEAL FOR 5<sup>th</sup> AXIS MACHINING CENTRES

5 YEARS WARRANTY



MADE IN ITALY



**Art.650**  
Type 1/2/3

Vise type	1 (12Kn)			2 (22Kn)			3 (32Kn)					
Jaw width inch W	1.96			3.46			4.84					
Max opening inch A	1.89	3.46	5.04	3.78	5.36	6.93	8.50	4.96	6.93	8.9	10.87	12.83
Vise total height B	2.56			2.56			3.5					
Base body height inch C	1.77			1.5			2.24					
Slides height inch C1	2.09			2.01			2.95					
Jaw height inch C2	2.4			2.4			3.35					
Base body inch D	3.15			3.54			4.92					
Base Length E	3.15	4.72	6.3	4.72	6.3	7.87	9.45	6.3	8.27	10.24	12.2	14.17
Slides opening inch L	0.47			0.47			0.63					
lbs	3.9	5.73	7.5	7.94	9.7	11.4	12.79	20.06	24.03	28.22	32.63	37.48
Code	7.65.01080	7.65.01120	7.65.01160	7.65.02120	7.65.02160	7.65.02200	7.65.02400	7.65.03160	7.65.03210	7.65.03260	7.65.03310	7.65.03360
LIST PRICE \$	958	1.105	1.252	1.177	1.324	1.471	1.618	1.912	2.206	2.502	2.943	3.237



**Art.650S**  
Smooth + Rough



**Art.650T G01**  
Grip (pitch 0.06 inch)



**Art.650T G02**  
Grip (pitch 0.07 inch)

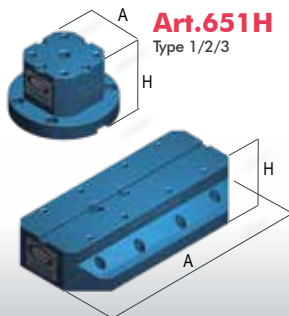


**Art.650T G11**  
Grip (pitch 0.43 inch)



**Art.650R**  
Dove Tail

## SIMPLE RISERS: Aluminum risers for Compact Grip vises Art.650



**Art.651H**  
Type 1/2/3

H	Vise type	1			2			3					
50	Base Length A	03.15	04.72	06.3	4.72	6.3	7.87	9.44	6.3	8.26	10.23	12.2	14.17
	Code	7.65.1H108/50	7.65.1H112/50	7.65.1H116/50	7.65.1H212/50	7.65.1H216/50	7.65.1H220/50	7.65.1H224/50	7.65.1H316/50	7.65.1H321/50	7.65.1H326/50	7.65.1H331/50	7.65.1H336/50
	LIST PRICE \$	508	605	722	722	722	722	895	839	839	1.289	1.337	1.546
75	Code	7.65.1H108/75	7.65.1H112/75	7.65.1H116/75	7.65.1H212/75	7.65.1H216/75	7.65.1H220/75	7.65.1H224/75	7.65.1H316/75	7.65.1H321/75	7.65.1H326/75	7.65.1H331/75	7.65.1H336/75
	LIST PRICE \$	522	634	763	763	763	763	952	893	893	1.362	1.411	1.634
	Code	7.65.1H108/100	7.65.1H112/100	7.65.1H116/100	7.65.1H212/100	7.65.1H216/100	7.65.1H220/100	7.65.1H224/100	7.65.1H316/100	7.65.1H321/100	7.65.1H326/100	7.65.1H331/100	7.65.1H336/100
100	LIST PRICE \$	538	664	805	805	805	805	1.011	946	946	1.439	1.487	1.723



A Range Of Vises For The Most Advanced 5 Axis Machine Applications



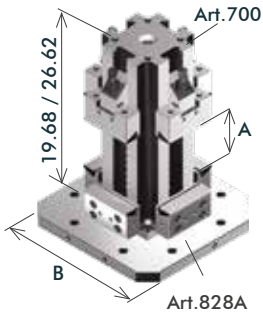


# WISE TOWERS

Integral cubes with base plate. Our Tech. Dept. can design for you the best solution  
**IDEAL FOR HORIZONTAL MACHINING CENTRES**

5 YEARS WARRANTY

These items are available in Italy vessel shipment included  
 EX WORKS CHICAGO



**Art. 700 + 828A** Solid vise-cube with head plate  
 STD series with custom made base plate

Vise Type	3			
Max opening A	10.62	10.62	14.56	14.56
Base Length B	19.68	26.62	19.68	26.62
Code	3.70.02803	3.70.02803	3.70.03803	3.70.03803
LIST PRICE \$	6,215	6,837	6,800	7,422

**FMS\* Art. 863C**

Solid double station vise tower with custom made base plate



**MULTIFLEX Art. 602**

Solid multiclamping vise tower with custom made base plate



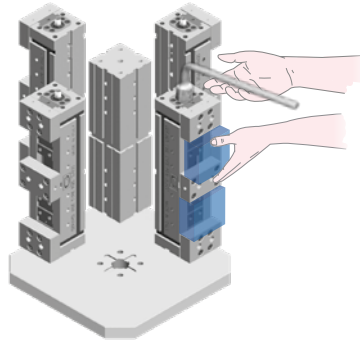
Vise mounting alternatives on completely machined and interfaced tombstones

**\* THIRD HAND SERVICE for VERTICAL WORKPIECES PRELOAD**

When vises are vertically assembled it is allowed to load the first workpiece clamped lightly while the second workpiece is being loaded

**FMS\* Art. 866**

Vises cross mounted



**Vises assembled vertical way**

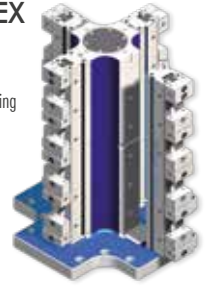
**STD Art. 750**

Vises + Central column



**MULTIFLEX Art. 57**

Cross cube with 4 Art. 600 multiclamping vises



# ZERO POINT

Set up times reduced of 90%  
**IDEAL FOR VERTICAL, HORIZONTAL & 5<sup>th</sup> AXIS MACHINING CENTRES**

5 YEARS WARRANTY

REDUCTION UP TO

**36%**



Standard equipment:

- ◆ 1 Pull-stud Art. 11A/10A
- ◆ Teflon cap with O-Ring Art. 9

MADE IN ITALY

**QUICKEST RETURN ON YOUR INVESTMENT**

- Quickest set up, practically immediate
- Pre-set workpieces offline
- Greatest reduction in scraps (if re-work is need you can put back on the machine within microns)
- Typically Zero Point used in 3 machining centres creates as much capacity as 1 new VMC (for about 15% of the cost)

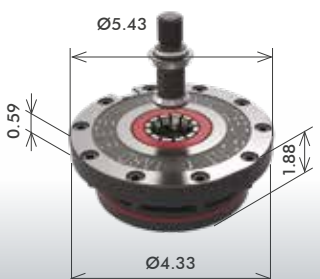


**Art. 664** Type 2  
**MOUNTING WITH FLANGE**

Standard 10kN

Options 18kN by increased springs

Code. 9.66.42000  
 LIST PRICE: ~~\$1,172~~  
**SPECIAL PRICE \$799**

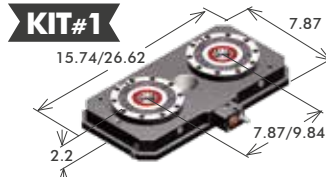


**Art. 665** Type 2  
**BUILT-IN MOUNTING**

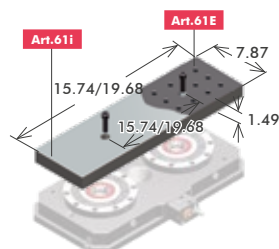
Standard 10kN

Options 18kN by increased springs

Code. 9.66.52000  
 LIST PRICE: ~~\$1,076~~  
**SPECIAL PRICE \$649**



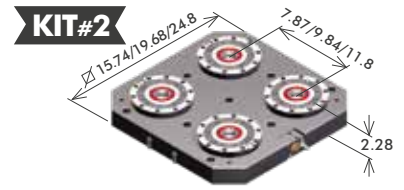
Art. 81P with Art. 665 (2pcs)	BASE PLATE 7.87x15.74	7.87x19.68
LIST PRICE \$	3,360	3,444



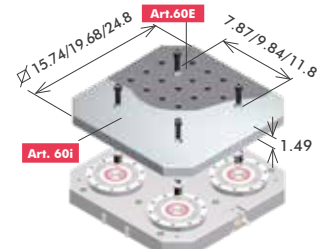
Art. 61i with Art. 10A (2pcs)	SMOOTH	
LIST PRICE \$	1,120	1,204

Art. 61E with Art. 10A (2pcs)	INTEGRAL GRID	
LIST PRICE \$	1,372	1,512

Pneumatic Zero Point base plates kits + smooth and grid interface plates



Art. 80P with Art. 665 (4pcs)	BASE PLATE 15.74x15.74	19.68x19.68	24.8x24.8
LIST PRICE \$	6,020	6,300	6,902



Art. 60i with Art. 10A (4pcs)	SMOOTH		
LIST PRICE \$	1,372	1,652	2,072

Art. 60E with Art. 10A (4pcs)	INTEGRAL GRID		
LIST PRICE \$	1,820	2,380	3,738

Classic Line with integral shank and shaft made in 1 solid piece

IDEAL FOR VERTICAL & HORIZONTAL MACHINING CENTRES

MADE IN ITALY

The new **Classic line** of Gerardi angle heads has been designed from a technical base derived from 40 years experience of solving thousands of production problems, finding optimum solutions and always guaranteeing the highest product quality. 53 standard angle head types are now offered, designed, built and distributed in more than 50 countries the world over by Gerardi S.p.A., and available with a range of options to complete their application and performance potentials. The Compact design, along with mentioned specifications, allows: highest performances, high speeds, long tool life.

**MAIN FEATURES:**



**GEARS**

Gleason ground spiral bevel gears maximum performances and minimum vibration



Modular antirotation group

**BEARINGS**

Angular contact preloaded ball bearings of precision class ABEC 9



**STOP-BLOCK**

with case hardened bushing and gasket



Integral case hardened & ground shank and shaft and made in 1 piece.

**series DOUB2E**

Positioning pin with automatic release

Output:  
- ER collet  
- Weldon  
- Shell mill holder  
- Special

Precision lapped surfaces for accurate alignment

**series LIGHT**



Standard 10BAR coolant through the pin (Optional: coolant feed through the tool)



Treated steel head body with 360° position and internal air pressure, maximum rigidity and corrosion resistant. Minimum thermal expansion



Main shaft is one solid piece with the drive input taper, case hardened and ground, to ensure maximum rigidity

Graduated ring

**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.



Internal thread



External thread

**REDUCE SET-UP TIME and ALLOW OFFLINE TOOL PRESETTING !**

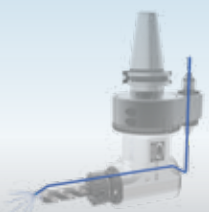
**ATC SERIES**

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 orientation ring and the arrester arm, which carries the arrester pin, can both be rotated through 360°.

**MTC SERIES**

This is a range of heads for traditional machine tools with flange attachment. The T-slot on the universal flange facilitates positioning the head 360° around its vertical axis. The modular system makes it possible to extend the length of the body by adding a spacer. The extension spacer, drive tapers and universal flange are modular and therefore interchangeable among all the heads of similar size.

**ANGLE HEADS COOLANT TYPES:**



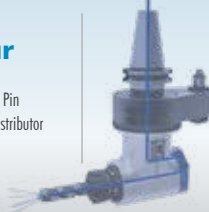
**10bar**

- » Positioning Pin
- » Pin Tool



**10bar**

- » Positioning Pin
- » Rotating Distributor
- » Tool



**up to 70bar**

- » Positioning Pin
- » Rotating Distributor
- » Tool



**10bar**

- » Positioning Pin
- » ReCool Nut
- » Tool



## Mazak

**SMART QTS1**  
QUICK TURN SMART QTS 100M / 200M  
QT COMPACT 100M - 200M - 300M



Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
99.MZ.A03	32	Max 2.76"	531	6000	<del>2.602</del>	<b>1.899</b>
99.MZ.A06	32	Max 2.76"	531	6000	<del>3.149</del>	<b>2.499</b>



99.MZ.A09	32	3.15	531	6000	<del>3.559</del>	<b>2.699</b>
99.MZ.A10	32	3.15	531	6000	<del>3.834</del>	<b>3.099</b>

Direction of rotation opposite to machine spindle

## Mazak QTN2

QUICK TURN NEXUS QTN 200/250  
SUPER QUADREX TURN SQT 15/18 - 200/250



Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
99.MZ.A58	32	4.57÷4.72	708	6000	<del>3.286</del>	<b>1.899</b>
99.MZ.A59	32	4.57÷4.72	708	6000	<del>3.917</del>	<b>2.599</b>

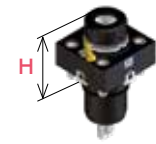


99.MZ.A65	32	5.12	708	6000	<del>3.559</del>	<b>1.999</b>
99.MZ.A66	32	5.12	708	6000	<del>3.834</del>	<b>2.399</b>

Direction of rotation opposite to machine spindle

## BMT

45 - 55 - 65 - 75



BMT	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
45	99.DS.A03	25	Max 2.25	310	8000	<del>1.361</del>	<b>999</b>
	99.DS.A04	25	Max 2.25	310	8000	<del>1.554</del>	<b>1.149</b>
55	99.DS.A01	25	Max 2.25	354	8000	<del>1.798</del>	<b>1.349</b>
	99.DS.A02	25	Max 2.25	354	8000	<del>1.638</del>	<b>1.249</b>
65	99.DS.A41	32	Max 2.85	620	6000	<del>1.680</del>	<b>1.249</b>
	99.DS.A42	32	Max 2.85	620	6000	<del>1.932</del>	<b>1.449</b>
75	99.DS.A34	40	Max 3.55	885	6000	<del>1.974</del>	<b>1.499</b>
	99.DS.A35	40	Max 3.55	885	6000	<del>2.268</del>	<b>1.699</b>

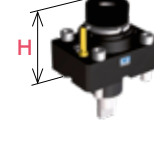


45	99.DS.A07	25	2.56	310	8000	<del>2.403</del>	<b>1.799</b>
	99.DS.A08	25	2.56	310	8000	<del>2.890</del>	<b>2.199</b>
55	99.DS.A11	25	2.76	354	8000	<del>2.688</del>	<b>1.999</b>
	99.DS.A12	25	2.76	354	8000	<del>3.176</del>	<b>2.399</b>
65	99.DS.A51	32	2.83	620	6000	<del>2.823</del>	<b>2.149</b>
	99.DS.A52	32	2.83	620	6000	<del>3.344</del>	<b>2.499</b>
75	99.DS.A38	40	2.36	885	6000	<del>4.368</del>	<b>3.299</b>
	99.DS.A39	40	2.36	885	6000	<del>5.242</del>	<b>3.949</b>

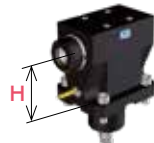
Both direction of rotation to machine spindle available

## Dmg Mori

NLX 1500 - 2000 - 2500 - 3000 16 Stations



Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
99.MS.G59	32	3.39÷3.54	531	10000	<del>1.647</del>	<b>1.249</b>
99.MS.G60	32	3.39÷3.54	531	10000	<del>2.436</del>	<b>1.849</b>
99.MS.G62	40	3.39÷3.54	531	10000	<del>1.647</del>	<b>1.249</b>
99.MS.G63	40	3.48÷3.62	531	10000	<del>2.436</del>	<b>1.849</b>



Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
99.MS.A72	32	Max 3.54	531	10000	<del>3.528</del>	<b>2.649</b>
99.MS.A73	32	Max 3.54	531	10000	<del>3.948</del>	<b>2.999</b>
99.MS.A76	40	3.54	531	10000	<del>3.528</del>	<b>2.649</b>
99.MS.A77	40	3.54	531	10000	<del>3.948</del>	<b>2.999</b>

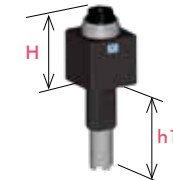
Both direction of rotation to machine spindle available

## Haas

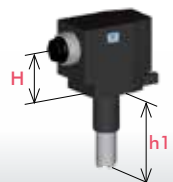
VDI 40



Interchangeable couplings for the different HAAS turret



Code	ER	H"	h1"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
99.HA.590082	32	2.95	4.63	558	6000	<del>1.246</del>	<b>949</b>
99.HA.590082B	32	2.95	4.63	558	6000	<del>1.554</del>	<b>1.199</b>
99.HA.590083	32	2.95	4.13	558	6000	<del>1.246</del>	<b>949</b>
99.HA.590083B	32	2.95	4.13	558	6000	<del>1.554</del>	<b>1.199</b>
99.HA.596352	32	2.95	5.13	558	6000	<del>1.246</del>	<b>949</b>
99.HA.596352B	32	2.95	5.13	558	6000	<del>1.554</del>	<b>1.199</b>



99.HA.590084	32	2.95	4.63	558	6000	<del>2.338</del>	<b>1.749</b>
99.HA.590084B	32	2.95	4.63	558	6000	<del>2.954</del>	<b>2.249</b>
99.HA.590085	32	2.95	4.13	558	6000	<del>2.338</del>	<b>1.749</b>
99.HA.590085B	32	2.95	4.13	558	6000	<del>2.954</del>	<b>2.249</b>
99.HA.596353	32	2.95	5.13	558	6000	<del>2.338</del>	<b>1.749</b>
99.HA.596353B	32	2.95	5.13	558	6000	<del>2.954</del>	<b>2.249</b>

Direction of rotation same as machine spindle

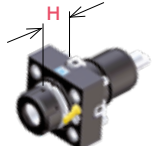
## Nakamura

BMT44

WT100 - TW1

BMT55

SUPER NTJ-NTJX / NTM 3 / TMC 18 / TW10 / SC150-250 / WT150-250 / WTW 150 / WTS 150 / WT100



BMT	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
44	99.NK.A40	25	Max 2.25	354	6000	<del>1.248</del>	<b>949</b>
	99.NK.A43	25	Max 2.25	354	6000	<del>1.426</del>	<b>1.099</b>
55	99.NK.A03	32	2.70÷2.84	558	6000	<del>1.309</del>	<b>999</b>
	99.NK.A04	32	2.70÷2.84	558	6000	<del>2.018</del>	<b>1.549</b>



44	99.NK.A50	25	2.36	354	6000	<del>2.111</del>	<b>1.599</b>
	99.NK.A53	25	2.36	354	6000	<del>2.649</del>	<b>1.999</b>
55	99.NK.A13	32	2.17	558	6000	<del>2.464</del>	<b>1.849</b>
	99.NK.A14	32	2.17	558	6000	<del>3.323</del>	<b>2.499</b>





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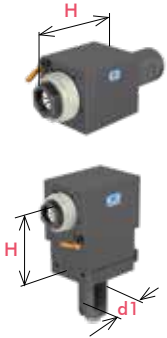
80 BAR

Miyano

Ø45: ABX 51/64 TH2/TH3 - BNE 34/42 - BNJ 42/51

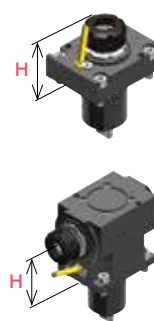
Ø54: ABX 51/64 THY - ABX 51/64 SY

80 BAR



d1	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
30	99.ST.8003	25	2.60	283	6000	<del>1,210</del>	<b>899</b>
	99.ST.8011	25	2.60	283	6000	<del>1,562</del>	<b>1,199</b>
40	99.ST.8005	32	3.74	558	6000	<del>1,512</del>	<b>1,149</b>
	99.ST.8013	32	3.74	558	6000	<del>1,977</del>	<b>1,499</b>
30	99.ST.8030	25	2.17	283	6000	<del>2,540</del>	<b>1,899</b>
	99.ST.8038	25	2.17	283	6000	<del>2,923</del>	<b>2,199</b>
40	99.ST.8033	32	3.94	558	6000	<del>3,214</del>	<b>2,399</b>
	99.ST.8041	32	3.94	558	6000	<del>3,690</del>	<b>2,799</b>

Direction of rotation opposite to machine spindle



Ø	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
45	99.MYA02	25	2.12÷2.27	310	6000	<del>1,125</del>	<b>849</b>
	99.MYA03	25	2.12÷2.27	310	6000	<del>1,349</del>	<b>999</b>
54	99.MYA09	32	2.98÷3.13	531	6000	<del>1,309</del>	<b>999</b>
	99.MYA10	32	2.98÷3.13	531	6000	<del>1,503</del>	<b>1,149</b>
45	99.MYA05	25	2.56	310	6000	<del>1,987</del>	<b>1,499</b>
	99.MYA06	25	2.56	310	6000	<del>2,387</del>	<b>1,799</b>
54	99.MYA11	32	2.95	531	6000	<del>2,464</del>	<b>1,849</b>
	99.MYA12	32	2.95	531	6000	<del>2,911</del>	<b>2,199</b>

Direction of rotation opposite to machine spindle

Okuma

BMT60: SPACE TURN LB 200EX/ LB 2500EX/ LB3000EX / GENOS SERIES L300-MW / MULTUS U3000/ U40007 / LU3000EX M / MY

80 BAR

80 BAR



BMT	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
60	99.OK.A80	32	Max 3.11	531	6000	<del>2,225</del>	<b>1,699</b>
	99.OK.A81	32	Max 3.11	531	6000	<del>2,824</del>	<b>2,149</b>

Direction of rotation opposite to machine spindle



BMT	Code	ER	H"	lbf inch	Rpm	LIST PRICE \$	SPECIAL PRICE \$
60	99.OK.A82	32	2.76	531	6000	<del>4,021</del>	<b>2,999</b>
	99.OK.A83	32	2.76	531	6000	<del>4,791</del>	<b>3,599</b>

Direction of rotation opposite to machine spindle



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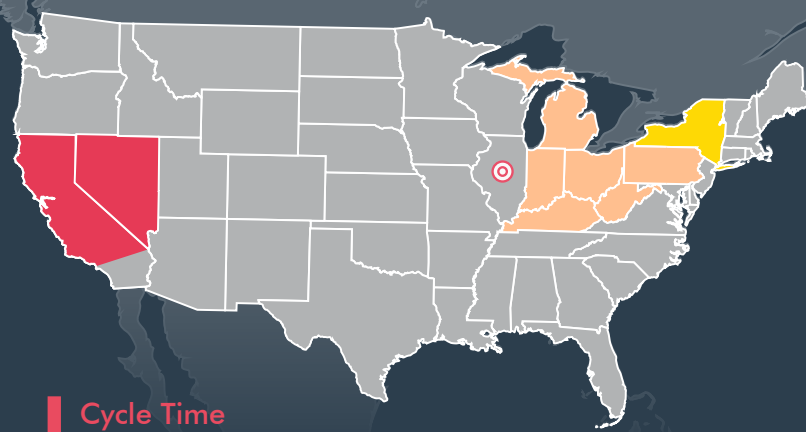
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