

SELF-CENTERING VISES

**IDEAL FOR
5 AXIS
MACHINING
CENTRES**

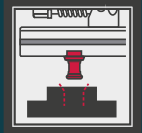
**COMPACT, RIGID
& ACCURATE**



**TOP JAW
INSERTS**

**5 AXIS
MACHINE**

**ZERO POINT
READY**



Art.650

Manual Control - Mechanical Clamping



Example 1

Example 2

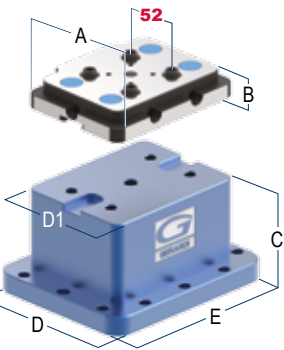
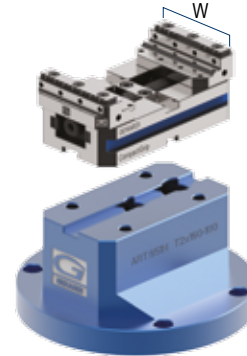
Example 3

The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name identifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which it adopts, so called "GRIP". This system includes a range of jaw inserts assembled on the top of the main jaw with the function of clamping the workpiece through sharp or duly shaped teeth according to the material type and hardness to clamp.



SELF-CENTERING VISE WITH REVERSIBLE JAWS

Vise (type) size	1			2		
	mm / inches					
Art. 650	Type 1x4,72" (120mm)					
Example 1	A	48mm / 1,89"	88mm / 3,46"	128mm / 3,04"	Art. 650	Type 2x63" (160mm)
	A1		6mm / 0,24"		Example 1	
	W		50mm / 1,97"			
	B		65mm / 2,56"			
	C		45mm / 1,77"			
	C1		53mm / 2,09"			
	C2		61mm / 2,4"			
	D		80mm / 3,15"			
	E	80 mm / 3,15"	120mm / 4,72"	160mm / 6,3"		
	F		52mm / 2,05"			
	L		12mm / 0,47"			
	L1		M8			
	kg / lb	1,8kg / 3,97lb	2,6kg / 5,73lb	3,4kg / 7,5lb		
	Code	7.65.01080	7.65.01120	7.65.01160		
	\$	884	1,020	1,156		
Art. 651H	Type 1					
	Simple Riser					
Art. 651H	Type 2					
	Simple Riser					



Art. 660
Quick change table

Art. 661H
Simple aluminum riser for quick change table

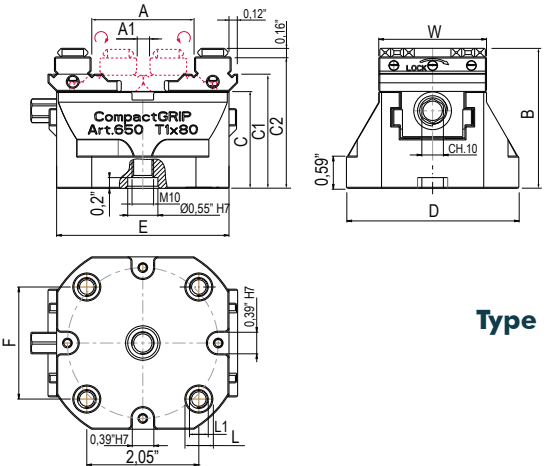
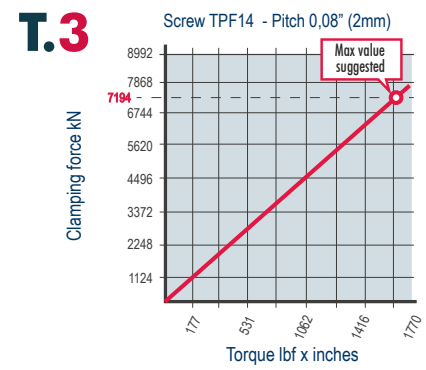
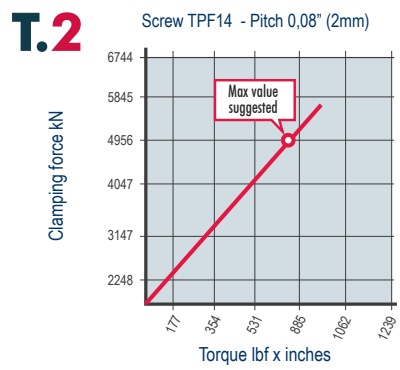
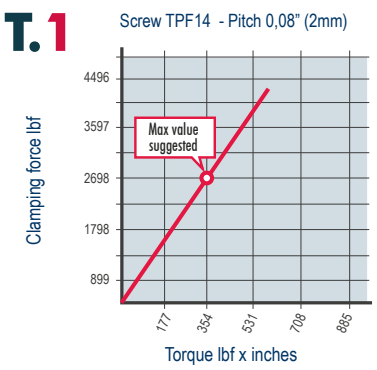
Example 2

Type 1&2 Pitch: 2,05" (52mm)

A	150mm / 5,91"
B	27mm / 1,03"
C	100mm / 3,94"
D	156mm / 6,14"
D1	116mm / 4,57"
E	190mm / 7,48"
kg / lb	3kg / 6,61lb
Code	9.66.05200
\$	897
Art. 661H kg / lb	5 / 11,2lb
Code	9.66.1H100
\$	748

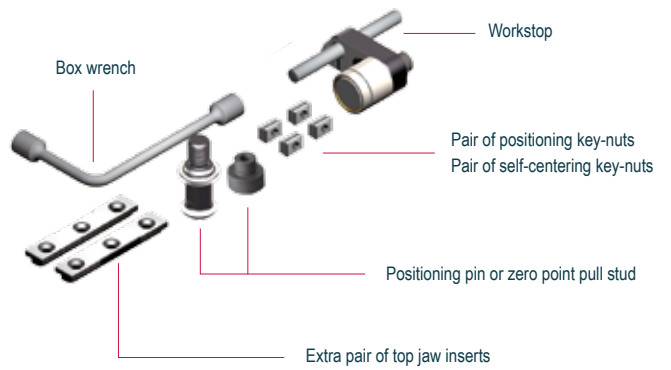
NEW ADAPTING PLATE !!

It allows to reduce the pull studs distance from 3,78" (96mm) to 2,05" (52mm)



Type 1

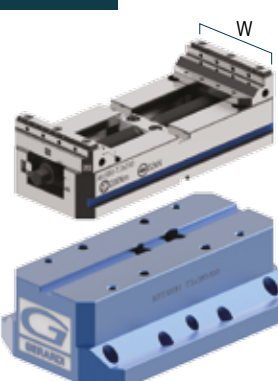
STANDARD EQUIPMENT
USE SIDE CLAMPS Art.298 Type - 1xM10 / 1xM12 / 1xM16

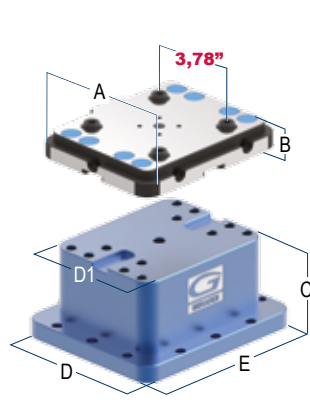
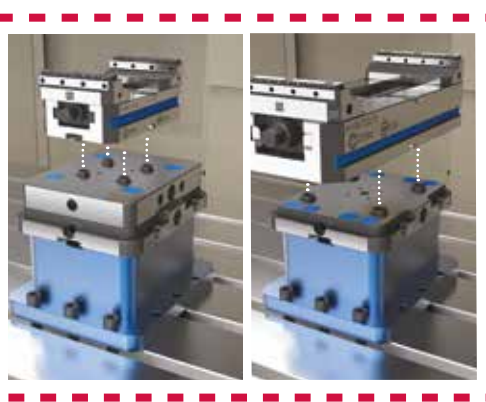


IDEAL FOR 5 AXIS MACHINING CENTRES

2		mm / inches	
A	96mm / 3,78"	136mm / 5,36"	176mm / 6,93"
A1		10mm / 0,39"	
W		88mm / 3,46"	
B		65mm / 2,56"	
C		38mm / 1,5"	
C1		51mm / 2,01"	
C2		61mm / 0,24"	
D		90mm / 3,54"	
E	120mm / 4,72"	160mm / 6,3"	200mm / 7,87"
F		52mm / 2,05"	
L		12mm / 0,47"	
L1		M8	
kg	3,6kg / 7,94lb	4,4kg / 9,7lb	5,2kg / 11,4lb
Code	7.65.02120	7.65.02160	7.65.02200

\$ 1,088 1,024 1,360 1,496

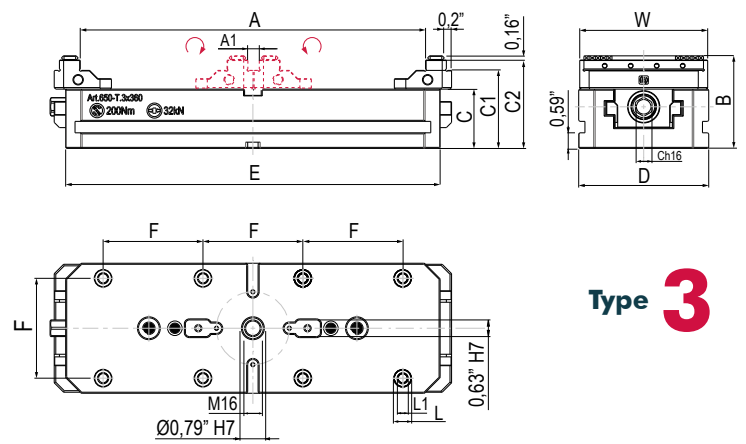
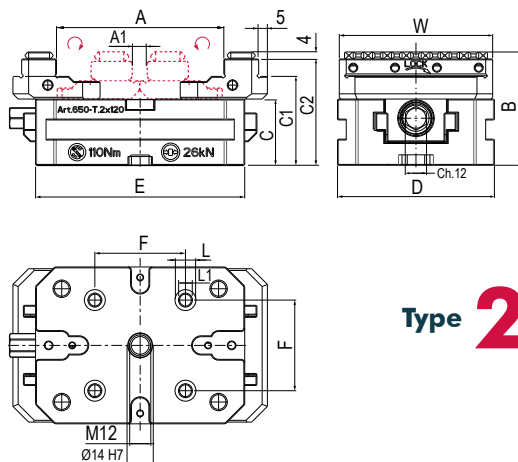
3		mm / inches	
Art. 650		Type 3x12,2" (310mm)	
		126 / 4,96"	176 / 6,93"
Example 1		226 / 8,9"	276 / 10,87"
		10 / 0,39"	326 / 12,83"
		123 / 4,84"	
		89 / 3,5"	
		57 / 2,24"	
		75 / 2,95"	
		85 / 3,35"	
		125 / 4,92"	
		160 / 6,3"	210 / 8,27"
		96 / 3,78"	260 / 10,24"
		16 / 0,63"	310 / 12,2"
		M10	360 / 14,17"
Art. 651H		9,1kg / 20,06lb	10,9kg / 24,03lb
Type 3		12,8kg / 28,22lb	14,8kg / 32,63lb
Simple Riser		7.65.03160	7.65.03210
		7.65.03260	7.65.03310
		7.65.03360	
		1,768	2,040
		2,312	2,720
		2,992	



Art. 660		Type 3 - Pitch: 3,78" (96mm)	
Quick change table		190 / 7,48"	
		27 / 1,06"	
		100 / 3,94"	
		176 / 6,93"	
		136 / 5,35"	
		210 / 8,3"	
		5,2kg / 11,46lb	
		9.66.09600	
		1,291	
Art. 661H		6,5kg / 14,37lb	
Simple aluminum riser for quick change table		9.66.1H200	
		884	

Designed for 5 axis machines, CompactGRIP series of vises allow machining operations on the 5 workpieces sides with perfect alignment in a space saving design, extremely high wear resistance, with reduced deflection.

No Wear HRC 58 ±2 / Quick clamping operation / Modularity & Versatility / Rigidity & safety thanks to the solid jaws / Space saving design & handy / Highest accuracies ±0,001" (0,02 mm) / Direct vise set-up or through vise clamps / Solid and rigid construction and maximum clamping ratio to the total length / Self-centering vise for clamping parts on outside or inside (by reversing jaw plates) / Double sided top jaw inserts with full work piece contact on one side and partial on the other / Front through holes for customized applications (plates, points, etc..)



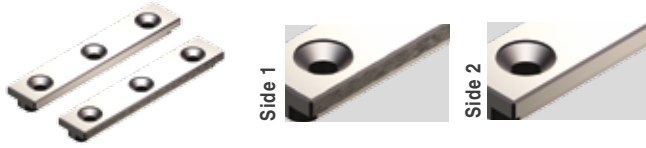
WIDE RANGE OF TOP JAW INSERTS FOR VISES Art.650

Double sided top jaw inserts with full work piece contact on one side and partial on the other

Pair of top jaw inserts

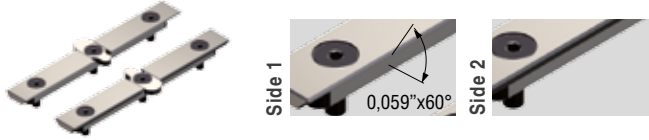
Art. 650S

SMOOTH + ROUGH
Soft material clamping and final machining



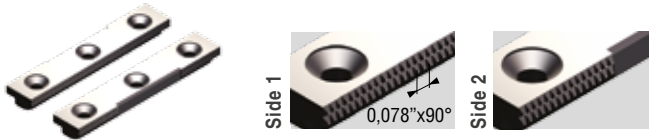
Art. 650R

DOVE TAIL
Best workpiece clamping



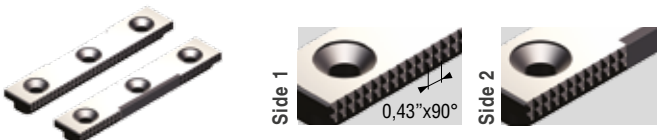
Art. 650T G01

GRIP - Pitch 0,059" (1,5mm)
For standard workpieces hardness clamping



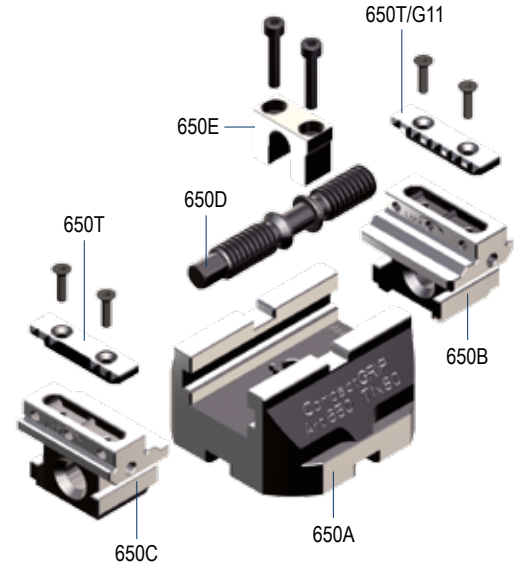
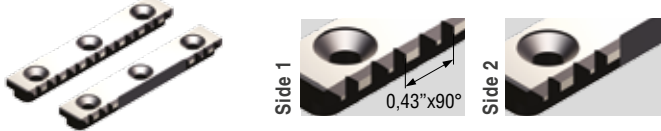
Art. 650T G02

GRIP - Pitch 0,078" (2mm)
For hardened workpieces clamping



Art. 650T G11

GRIP - Pitch 0,43" (11mm)
For soft material clamping



Compatibility

Max compatibility with the most popular pallet change systems.



Risers

By the Compact risers it's possible machining areas usually hard to reach.



Versatility

Versatility also thanks to the reversible jaws and to the 4 base positions option (90°)



Clamping Power

Much higher clamping power than the existing vises thanks to the clamping screw design