

SELF-CENTERING VISES

**IDEAL FOR
5 AXIS
MACHINING
CENTRES**

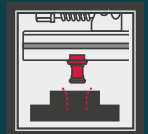
**COMPACT, RIGID
& ACCURATE**



**TOP JAW
INSERTS**

**5 AXIS
MACHINE**

**ZERO POINT
READY**



Art.650

Manual Control - Mechanical Clamping



Grip Inserts



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

Art. 650

Type **1x4,72"** (120mm)

Example 1



Art. 651H

Type **1**

Simple Riser

	1 mm / inches		
A	54mm / 2,12"	94mm / 3,70"	134mm / 5,27"
A1		6mm / 0,24"	
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. 650

Type **2x63"** (160mm)

Example 1



Art. 651H

Type **2**

Simple Riser

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

A	116mm / 4,56"
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. 660	
kg / lb	5 / 11,2lb
Code	9.66.1H100
\$	748
Art. 661H	

Art. 660

Quick change table

Art. 661H

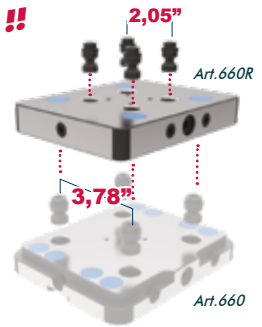
Simple aluminum riser for quick change table

Example 2

NEW ADAPTING PLATE !!
Art. 660R

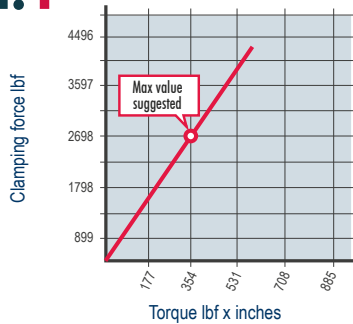
To use **T.1&2** vises on risers **T.3** and viceversa

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



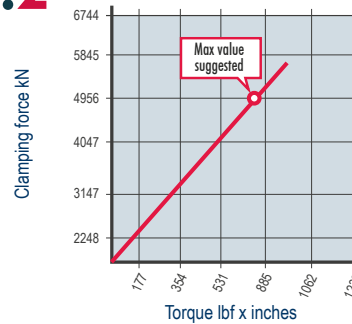
T.1

Screw TPF14 - Pitch 0,08" (2mm)



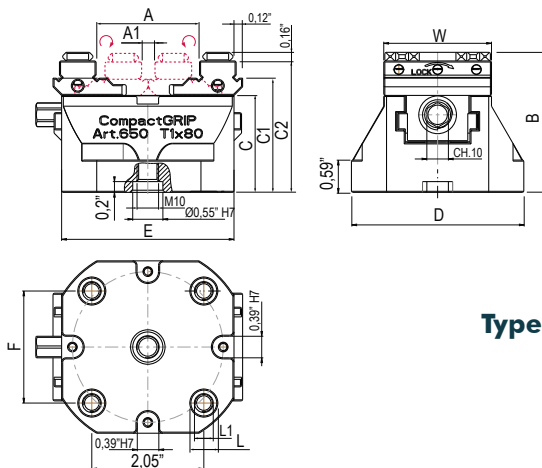
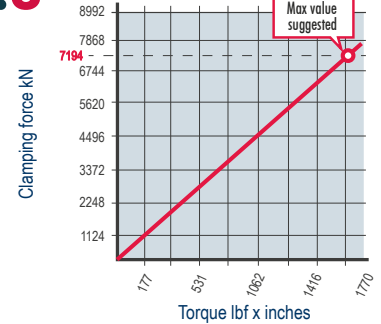
T.2

Screw TPF14 - Pitch 0,08" (2mm)



T.3

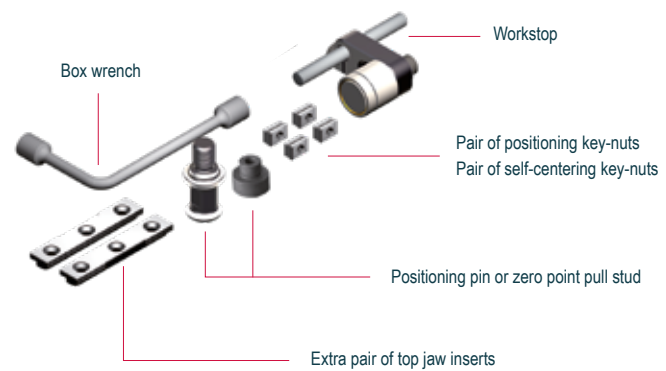
Screw TPF14 - Pitch 0,08" (2mm)



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"	216mm / 8,50"
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"	240mm / 9,45"
F		52mm / 2,05"		
L		12mm / 0,47"		
L1		M8		
kg	3,6kg / 7,94lb	4,4kg / 9,7lb	5,2kg / 11,4lb	5,8kg / 12,79lb
Code	7.65.02120	7.65.02160	7.65.02200	7.65.02240
	\$ 1,088	1,024	1,360	1,496

Art. 650



Type 3x12,2" (310mm)

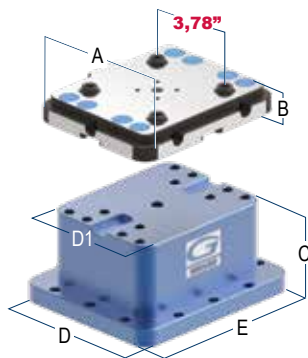
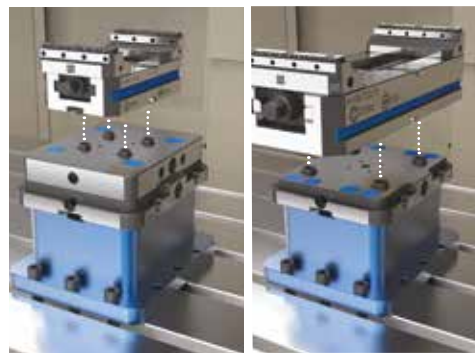
Example 1

Art. 651H

Type 3

Simple Riser

	3 mm / inches				
	133 / 5,23"	183 / 7,20"	233 / 9,17"	283 / 11,14"	333 / 13,11"
			10 / 0,39"		
			123 / 4,84"		
			89 / 3,5"		
			57 / 2,24"		
			75 / 2,95"		
			85 / 3,35"		
			125 / 4,92"		
	160 / 6,3"	210 / 8,27"	260 / 10,24"	310 / 12,2"	360 / 14,17"
			96 / 3,78"		
			16 / 0,63"		
			M10		
	9,1kg / 20,06lb	10,9kg / 24,03lb	12,8kg / 28,22lb	14,8kg / 32,63lb	17kg / 37,48lb
	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

Quick change table

Art. 661H

Simple aluminum riser for quick change table

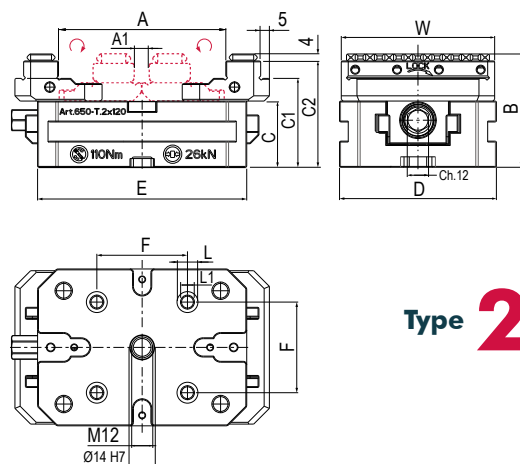
Example 2

Type 3 - Pitch: 3,78" (96mm)

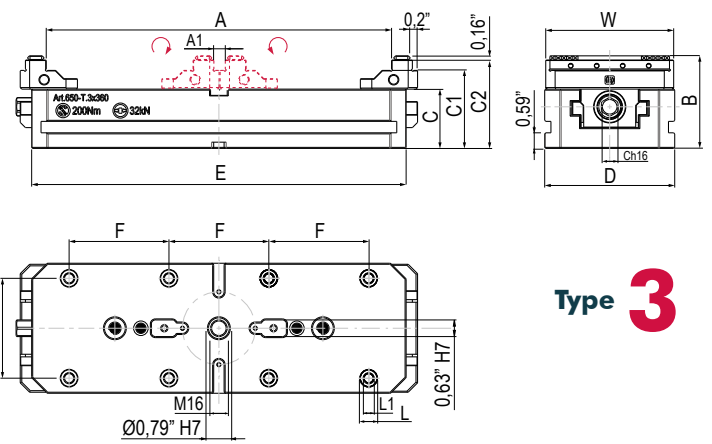
	156 / 6,14"
	27 / 1,06"
	100 / 3,94"
	176 / 6,93"
	136 / 5,35"
	210 / 8,3"
	5,2kg / 11,46lb
	9.66.09600
	1,291
	6,5kg / 14,37lb
	9.66.1H200
	884

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..)



Type 2



Type 3

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

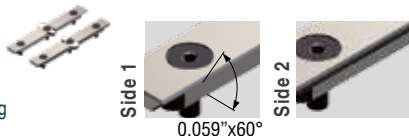
SMOOTH + ROUGH
Soft material clamping and final machining



Type	1	2	3
Code	7.65.0S100	7.65.0S200	7.65.0S300
\$	94	94	94

Art. 650R

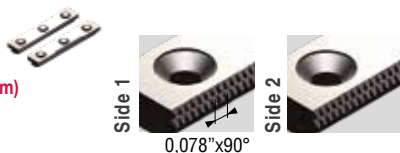
DOVE TAIL
Best workpiece clamping



Code	7.65.0R100	7.65.0R200	7.65.0R300
\$	71	71	71

Art. 650T G01

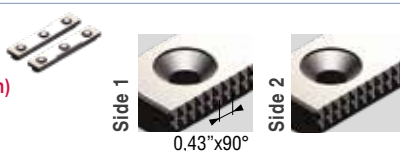
GRIP - Pitch 0,059" (1,5mm)
For standard workpieces hardness clamping



Code	7.65.0T100/G01	7.65.0T200/G01	7.65.0T300/G01
\$	94	94	94

Art. 650T G02

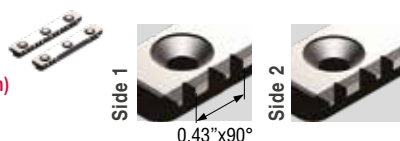
GRIP - Pitch 0,078" (2mm)
For hardened workpieces clamping



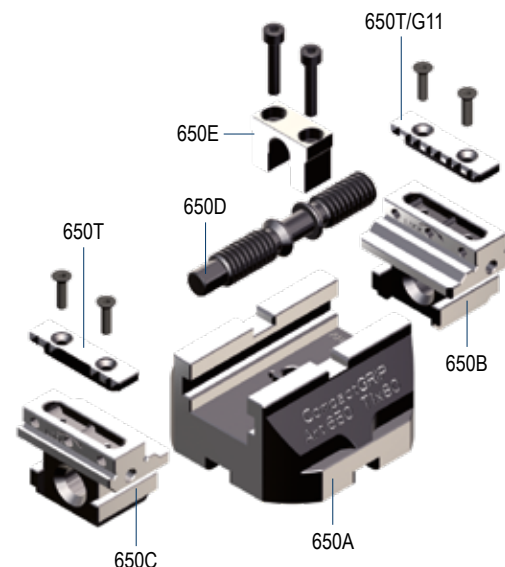
Code	7.65.0T100/G02	7.65.0T200/G02	7.65.0T300/G02
\$	94	94	94

Art. 650T G11

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



Code	7.65.0T100/G11	7.65.0T200/G11	7.65.0T300/G11
\$	94	94	94



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