

8

*For Horizontal  
machining centres!*

**TOMBSTONES**

**Cubi, Piastre e Pallets / Cubes, Plates and Pallets**

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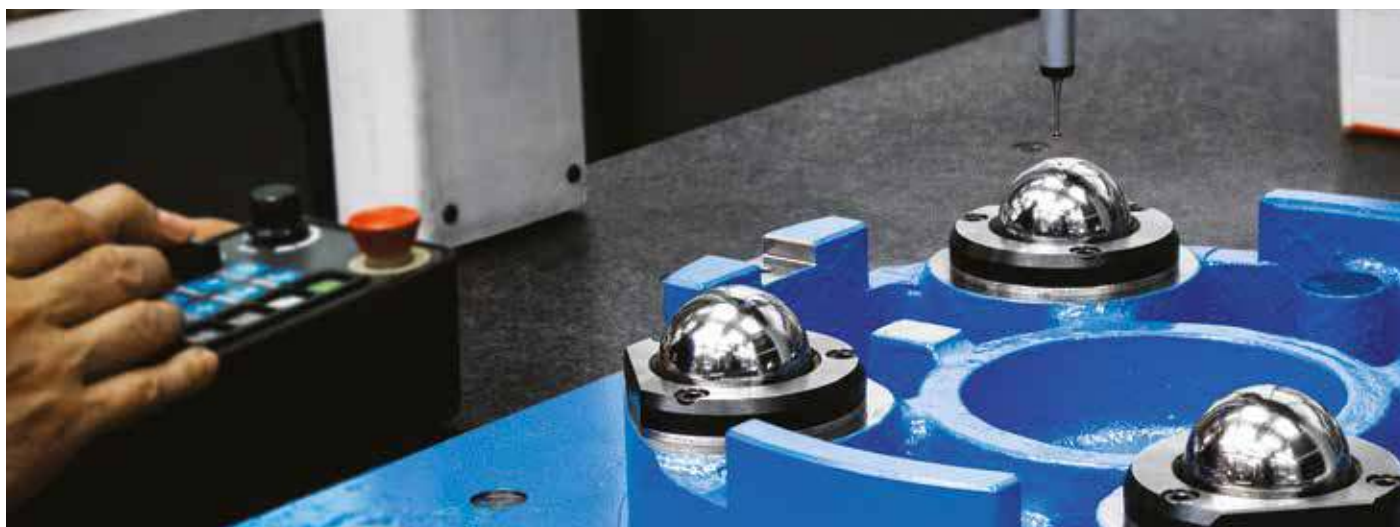
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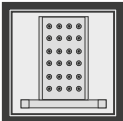
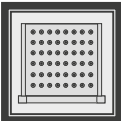
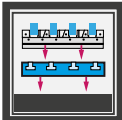
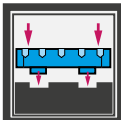
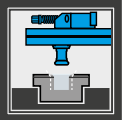
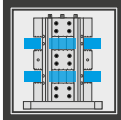
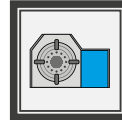
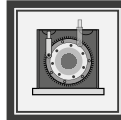
# VERIFICHE DIMENSIONALI TRAMITE MACCHINE DI MISURA

## DIMENSIONAL CHECK THROUGH MEASUREMENT MACHINES



## SIMBOLOGIA DATI TECNICI

### TECHNICAL DATA ICONS

|                                                      |  |  |                                                                                                                                                           |                                                                                                                      |                                                                                                                                              |                                                                                                                                                       |
|------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MODELLI PORTAPEZZI</b><br><b>TOMBSTONE MODELS</b> |  |  | <br>Cubi<br>Cubes                                                      | <br>Spalle<br>2 Sides tombstones | <br>Cubi a croce<br>Cross cubes                         | <br>Squadre<br>Angles                                            |
| <b>PIASTRE E PALLET</b><br><b>PLATES AND PALLET</b>  |  |  |                                                                                                                                                           |                                                                                                                      | <br>Piastre e sovratavole<br>Plates & Interfaced plates | <br>Pallet macchina<br>Machine pallet                            |
| <b>POSSIBILITÀ DI</b><br><b>POSSIBILITY OF</b>       |  |  | <br>Posizionamento &<br>cambio rapido<br>Quick change &<br>positioning | <br>Cubi-morsa<br>Vise tower     | <br>Divisore Automatico<br>Automatic dividing head      | <br>Divisore Meccanico<br>Mechanical dividing head               |
| <b>PAGINE</b><br><b>PAGES</b>                        |  |  |                                                                                                                                                           |                                                                                                                      | <br>Accessori & Ricambi<br>Accessories & Spare Parts    | <br>Istruzioni corretto utilizzo<br>Instruction for a proper use |

Portapezzi

# TOMBSTONES

**Cubi, spalle, squadre, piastre, pallets**

*Cubes, 2 sides tombstones, Angle plates, plates*



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



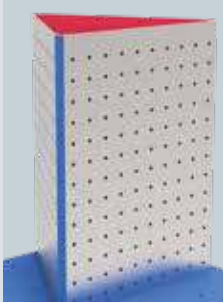
Durezza / Hardened  
**HRC 58 $\pm$ 2**

## QUALITÀ GERARDI

- 1 - FUSIONE MONOBLOCCO IN GHISA G30
- 2 - DOPPIO TRATTAMENTO TERMICO DI DISTENSIONE
- 3 - LAVORAZIONE COMPLETA DI FRESATURA E PREDISPOSIZIONE PER NOSTRO SISTEMA ZERO POINT
- 4 - DISTENSIONE NATURALE DI RIPOSO MINIMO 48 ORE
- 5 - RASCHIETTATURA BASE D'APPOGGIO PER UNA PLANARITÀ PERFETTA
- 6 - LAVORAZIONE COMPLETA DI FINITURA
- 7 - ESECUZIONE DI FORI O CAVE DI POSIZIONAMENTO E CENTRAGGIO PORTAPEZZO SULLA BASE D'APPOGGIO RASCHIETTATA
- 8 - CONTROLLO DIMENSIONALE PORTAPEZZO
- 9 - EVENTUALE RITOCOCCO TRAMITE RASCHIETTATURA PER RIPORTARE IL PORTAPEZZO NELLA PERPENDICOLARITÀ, ORTOGONALITÀ E PARALLELISMO PREVISTI
- 10 - IDENTIFICAZIONE TRAMITE NUMERO DI MATRICOLA INCISO SUL PORTAPEZZO CON ALLEGATO CERTIFICATO DI COLLAUDO

## GERARDI QUALITY

- 1 - INTEGRAL CAST IRON G30 CASTING
- 2 - DOUBLE STRESS RELIEVING HEAT TREATMENT
- 3 - COMPLETE ROUGH MILLING WORK AND PREARRANGED WORK FOR THE USE OF OUR ZERO POINT GERARDI SYSTEM
- 4 - NATURAL 48 HOURS STRESS RELIEVING
- 5 - HAND SCRAPING OF BOTTOM BASE FACE FOR A PERFECT PLANARITY
- 6 - COMPLETE MACHINE FINISHING
- 7 - BASE FACE TAILOR-MADE, TOMBSTONE CENTERED ON THE HAND SCRAPE BASE PLATE
- 8 - DIMENSIONAL CONTROL AND QUALITY CHECK
- 9 - SOME HAND-SCRAPED COULD BE MADE IN ORDER TO GET A PERFECT - PARALLELISM - ORTOGONALITY AND PERPENDICULARITY WITHIN THE QUOTED TOLERANCES.
- 10 - PART IDENTIFICATION ENGRAVED ON THE PRODUCT WITH INSPECTION SHEET INCLUDED.



### Soluzioni Speciali

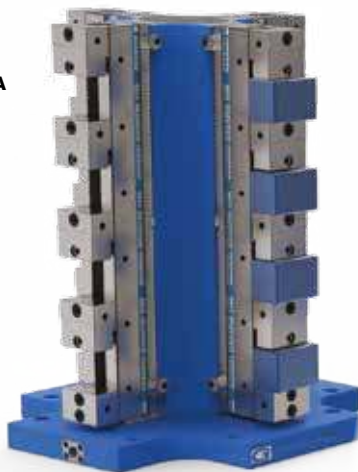
#### Specific Tombstones

Soluzioni speciali e personalizzate integrate con sistemi di bloccaggio adeguati possono essere studiate e realizzate su richiesta per sfruttare al meglio il campo di lavoro e le capacità delle macchine.

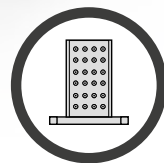
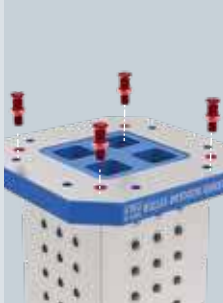
Specific or tailor-made tombstones complete with clamping systems applications could be studied and manufactured on request in order to better exploit the machines runs and capacity



Cubo a croce  
 Cross cube



Cubo a reticolo  
 Grid Cube

### Predisposizione Zero Point

#### Zero Point Ready

Predisposizione della base di appoggio di 4 fori Ø20F7 e filetto M16 con interassi precisi, pronte per l'utilizzo dei ns. Zero point, oppure per l'interfacciamento con altri pallett o piastre.

Base with 4 precision holes Ø 20F7 and bottom threads M16 with precise pitch dimensions for the use of our Zero Point or to be interfaced with other pallets or head plates

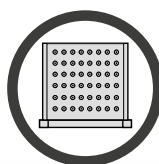
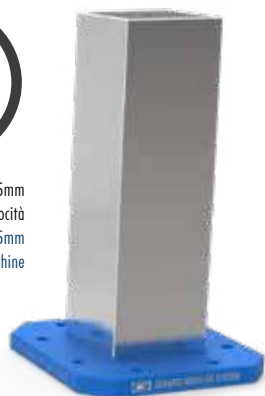
A supporto ed integrazione dei sistemi di bloccaggio la GERARDI ha progettato e via via sviluppato una gamma di portapezzi in fusioni monoblocco di ghisa G30 (con pareti spessore 43-45 mm circa e con doppio trattamento di distensione e stabilizzazione) e recentemente anche di alluminio speciale ad alta resistenza. Tali prodotti possono essere forniti nelle forme di: Cubi, Spalle, Squadre, Piastre, Mensole e speciali a richiesta. L'importanza sempre maggiore di questi prodotti deriva dallo sviluppo e diffusione di centri di lavoro orizzontali e sistemi pallettizzati che richiedono appunto tali strutture di supporto per le attrezzature o per i pezzi da lavorare stessi. I controlli vengono eseguiti con macchine tridimensionali su ogni pezzo eseguito.

To support and complete the Gerardi Modular Workholding System a more and more strategic and important role is played by all the range of modular tombstones and sub-plates. They are manufactured in the most different shapes and versions, anyway always provided in one solid cast iron cast G30 with walls about 40 mm thickness and with double stress relieving heat treatment. Recently in high resistance aluminum. The shapes available are: Cubes, Two side tombstone, Angles, Plates and subplates, Shelves and special on specific request. The greater importance of such products originates from the development and widespread of Horizontal machining centres and multipallet systems which require just such structures to support the fixtures or work-pieces. The checking is carried out piece by piece on a 3-dimensional machine.

### Cubo leggero Light Cube



Nuova serie di cubi ALLEGGERITA con pareti di spessore 20/25 mm ideali per centri di lavoro ad alta velocità  
 New cubes light series with wall reduced thickness 20/25 mm ideal for high speed machine

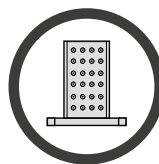
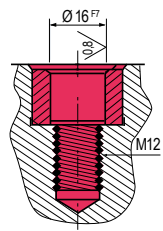
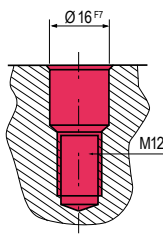


### Spalla a reticolo 2 side tombstone



Qualsiasi modifica, lavorazione o personalizzazione extra sarà eseguita previo preventivo. Per le versioni speciali pagamento 50% all'ordine. Il ns. ufficio tecnico è a Vs. disposizione per eventuali chiarimenti e consegne

Any special requirement will be quoted "Extra" for special type payment 50% on order. Our technical department is always available for any explanations or delivery time



## Per centri di lavoro orizzontali For horizontal machining centre

### DISPONIBILI IN 5 VERSIONI DIVERSE AVAILABLE IN 5 DIFFERENT FINISHING



#### Versione A - Type A

##### SGROSSATI DI FRESA - ROUGH MILLED\*

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione. Pareti spessore 43-45 mm (Sovrametallo 10 mm)  
 \*Alcuni modelli indicati non vengono sgrossati

One integral G30 cast iron casting rough milled with double stress relieving heat treatment. Wall thickness 43-45 mm (10 mm stock)  
 \*Few highlighted items are not rough milled



#### Versione B - Type B

##### BASE FINITA - BASE FINISHED

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.

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



#### Versione C - Type C

##### COMPLETAMENTE LAVORATI - COMPLETELY FINISHED

Cubo completamente finito con pareti spessore 38-40 mm circa. Tolleranza  $\pm 0,02$  mm

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



#### Versione E - Type E

##### RETICOLO INTEGRALE - GRIND CUBE

Cubo a reticolo con fori calibrati e filetti integrali nella fusione. Tolleranza  $\pm 0,02$  mm

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



#### Versione F - Type F

##### RETICOLO CON BUSSOLE - GRID CUBE WITH BUSHINGS

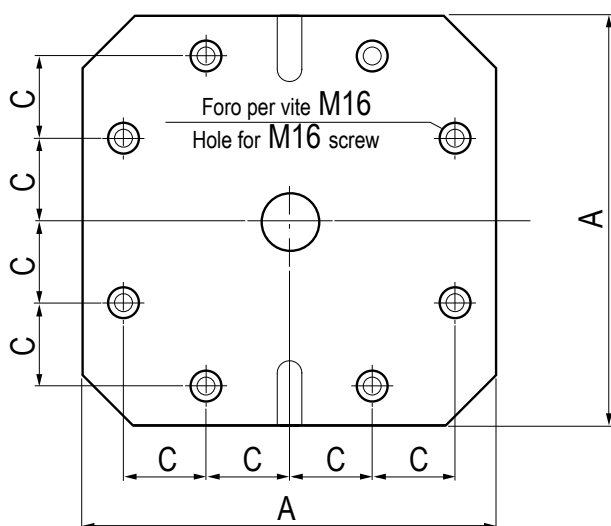
Cubo a reticolo con bussole di centraggio in acciaio temprato 100 Cr6 - DIN 179C. Filetti riportati in acciaio inox 18/8. Tolleranza  $\pm 0,02$  mm

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

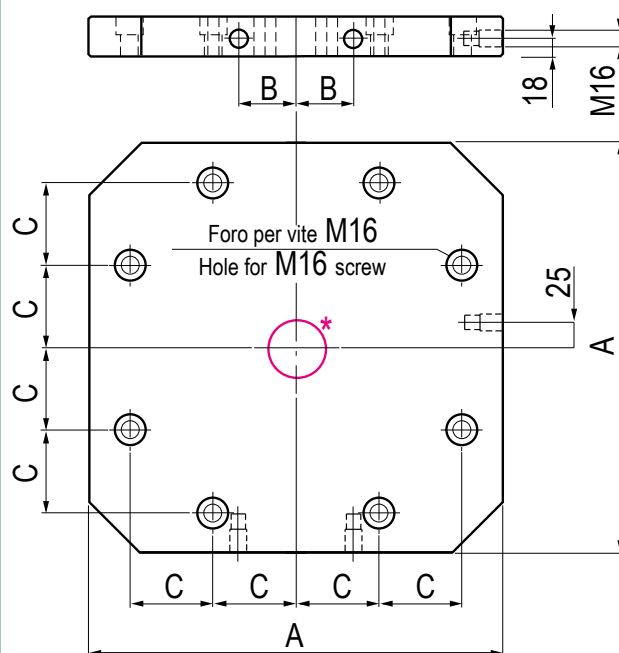
# INTERFACCIAIMENTO STANDARD STANDARD INTERFACE

**STANDARD EUROPEO**  
 EUROPEAN STANDARD

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| A | 400 | 500 | 630 | 800 |
| B | -   | -   | -   | -   |
| C | 80  | 100 | 125 | 160 |


**STANDARD GIAPPONESE** (Normativa JIS)  
 JAPANESE STANDARD (Normative JIS)

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| A | 400 | 500 | 630 | 800 |
| B | 55  | 75  | 100 | 135 |
| C | 80  | 100 | 125 | 160 |



Foro centrale (OPZIONE)\* - Central hole (OPTIONAL)\* = €105



# COME LAVORARE I PORTAPEZZI, TRAMITE ZERO POINT E STAFFE INTELLIGENTI

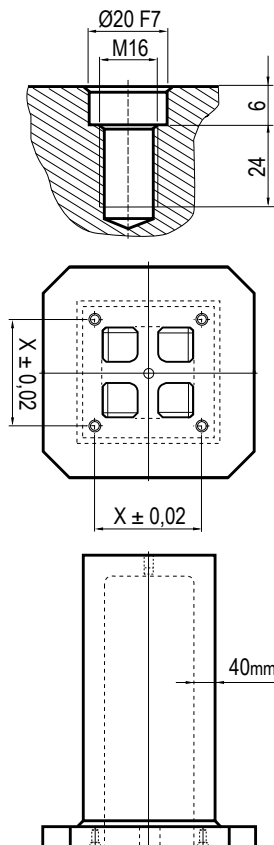
## HOW TO MACHINE TOMBSTONES WITH ZERO POINT AND INTELLIGENT CLAMPS

Tutti i ns. portapezzi (escluso la fusione grezza), sono predisposti, sulla base di appoggio con forature e filettature per l'uso dei tiranti

Zero-Point Art.11A T.2 Questo principalmente significa che tutti i ns. portapezzi possono essere velocemente fissati, posizionati e lavorati sulle 5 facce senza nessun impedimento per quanto riguarda il percorso utensili.

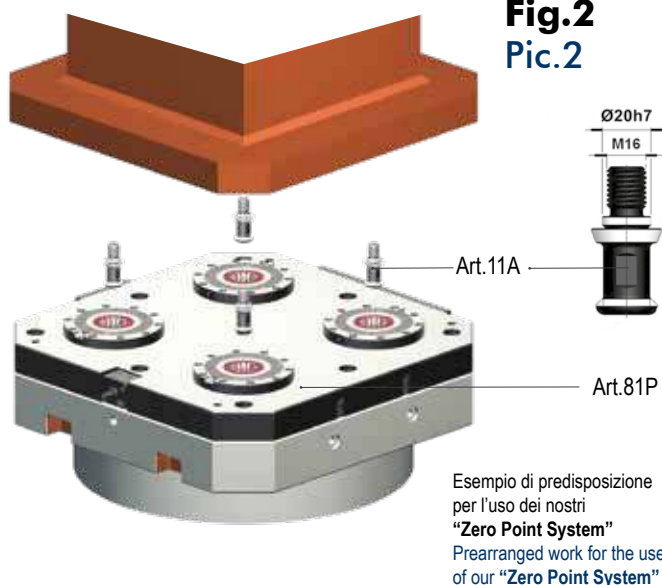
All our tombstone fixture (rough cast iron casting excluded) are pre-worked and prepared on the bottom base face for our Zero-Point pull-stud Art.11A T.2. This important feature will give you many possible application.

**Fig.1**  
**Pic.1**



\* Sulle superfici grezze  
aggiungere 5mm  
\* Add 5mm on the  
rough surfaces

**Fig.2**  
**Pic.2**

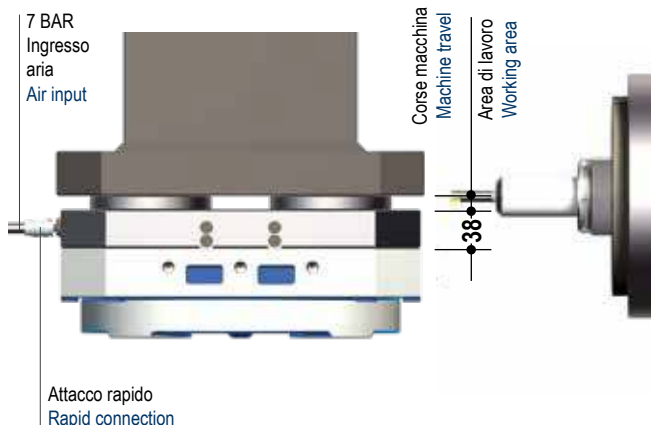


Esempio di predisposizione  
per l'uso dei nostri  
"Zero Point System"  
Prearranged work for the use  
of our "Zero Point System"

Per montaggio, posizionamento e ancoraggio istantaneo con necessità di collegamento pneumatico solo per lo sbloccaggio. Il bloccaggio è meccanico tramite molle. Con questo sistema il pallet può tranquillamente essere movimentato senza l'ausilio di collegamenti elettrici, elettronici, idraulici o pneumatici.

Quick clamping and accurate positioning set up of your tombstone through pneumatic source (only for unclamping - clamping is mechanically maintained by springs)  
With this system your pallet could easily travel without the need of electrical pneumatic or electronic connection.

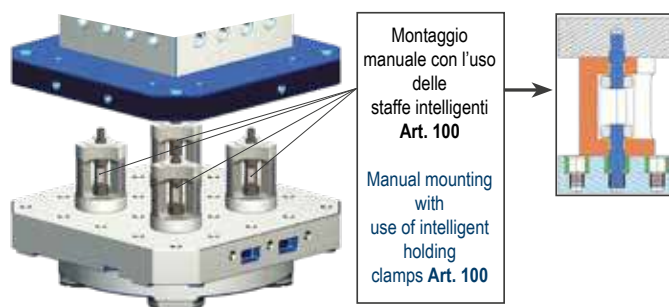
**Fig.3**  
**Pic.3**



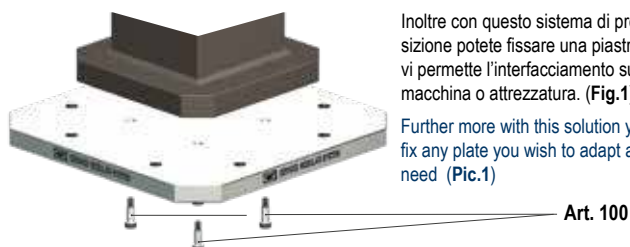
Gli "Zero Point Gerardi" sono utilizzabili anche per ottimizzare le corse del Vs. centro orizzontale sollevando il pezzo all'altezza desiderata senza l'ausilio di sovravole.

Our hydraulic or pneumatic "Zero Point Gerardi" are also used to optimize the vertical travel of your horizontal machining center without the need of extra over pallet plates.

**Fig.4**  
**Pic.4**

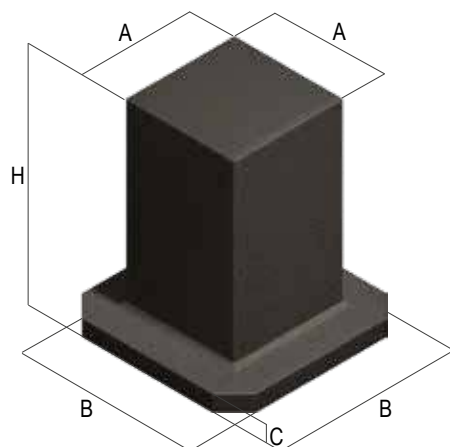


I fori di predisposizione (Fig.1- pag. 8.5) possono essere usati anche per l'utilizzo di "staffe intelligenti" Art.100 e relativi prigionieri.  
The pre-work holes (Pic.1- pag. 8.5) are also coming handy for the use of our "intelligent clamps" Art. 100



Inoltre con questo sistema di predisposizione potete fissare una piastra che vi permette l'interfacciamento sulla Vs. macchina o attrezzatura. (Fig.1)  
Further more with this solution you can fix any plate you wish to adapt as you need (Pic.1)

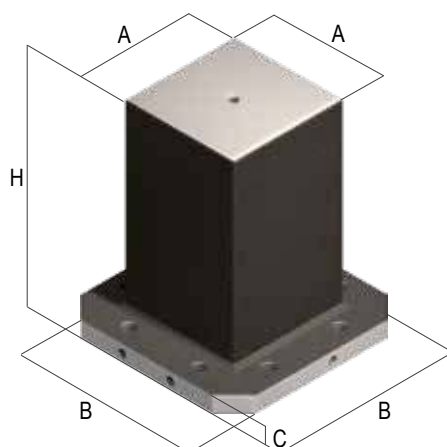
**CUBI - CUBES**
**Art. 53A**

 Sgrossati di fresa  
Rough milled

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | H    | kg   | Cod.        |
|-----|-----|----|------|------|-------------|
| 90  | 260 | 45 | 410  | 44   | 8.53.A00009 |
| 170 | 260 | 50 | 300  | 66   | 8.53.A00020 |
| 210 | 325 | 50 | 310  | 96   | 8.53.A00030 |
| 210 | 360 | 50 | 380  | 119  | 8.53.A00040 |
| 210 | 360 | 50 | 535  | 153  | 8.53.A00045 |
| 210 | 510 | 50 | 610  | 217  | 8.53.A00050 |
| 260 | 410 | 50 | 460  | 179  | 8.53.A00060 |
| 260 | 460 | 50 | 460  | 195  | 8.53.A00070 |
| 260 | 410 | 50 | 560  | 207  | 8.53.A00080 |
| 260 | 410 | 50 | 670  | 239  | 8.53.A00081 |
| 260 | 390 | 40 | 570  | 239  | 8.53.A00082 |
| 260 | 510 | 50 | 620  | 258  | 8.53.A00090 |
| 260 | 510 | 50 | 660  | 270  | 8.53.A00100 |
| 260 | 510 | 50 | 760  | 298  | 8.53.A00105 |
| 260 | 640 | 50 | 710  | 337  | 8.53.A00106 |
| 260 | 510 | 50 | 1010 | 368  | 8.53.A00107 |
| 280 | 410 | 50 | 520  | 210  | 8.53.A00110 |
| 310 | 510 | 50 | 610  | 293  | 8.53.A00111 |
| 310 | 510 | 50 | 760  | 345  | 8.53.A00113 |
| 310 | 510 | 50 | 910  | 397  | 8.53.A00115 |
| 340 | 510 | 50 | 670  | 335  | 8.53.A00120 |
| 360 | 510 | 50 | 420  | 252  | 8.53.A00140 |
| 360 | 510 | 50 | 460  | 268  | 8.53.A00150 |
| 360 | 510 | 50 | 560  | 310  | 8.53.A00160 |
| 360 | 510 | 50 | 620  | 334  | 8.53.A00170 |
| 360 | 510 | 50 | 710  | 372  | 8.53.A00171 |
| 360 | 640 | 50 | 710  | 425  | 8.53.A00172 |
| 360 | 640 | 50 | 830  | 496  | 8.53.A00180 |
| 360 | 510 | 50 | 830  | 420  | 8.53.A00181 |
| 360 | 640 | 50 | 960  | 529  | 8.53.A00185 |
| 460 | 640 | 50 | 560  | 431  | 8.53.A00190 |
| 460 | 640 | 50 | 660  | 486  | 8.53.A00200 |
| 510 | 640 | 50 | 870  | 655  | 8.53.A00211 |
| 560 | 760 | 50 | 860  | 763  | 8.53.A00220 |
| 510 | 810 | 50 | 810  | 704  | 8.53.A00230 |
| 640 | 810 | 50 | 1100 | 1623 | 8.53.A00235 |

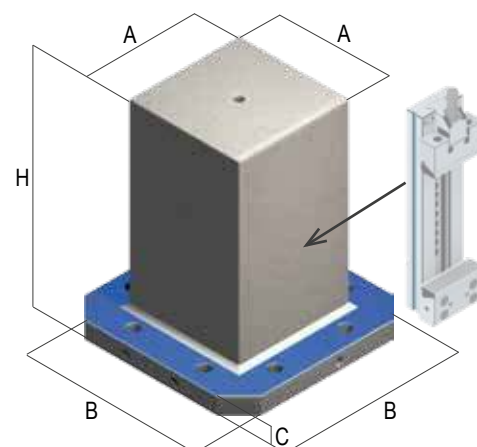
**Art. 53B**

 Base finita  
Base finished

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | H    | kg   | Cod.        |
|-----|-----|----|------|------|-------------|
| 90  | 250 | 40 | 400  | 40   | 8.53.B00009 |
| 170 | 250 | 45 | 290  | 61   | 8.53.B00020 |
| 210 | 315 | 45 | 300  | 89   | 8.53.B00030 |
| 210 | 350 | 45 | 370  | 112  | 8.53.B00040 |
| 210 | 350 | 45 | 525  | 147  | 8.53.B00045 |
| 210 | 500 | 45 | 600  | 203  | 8.53.B00050 |
| 260 | 400 | 45 | 450  | 169  | 8.53.B00060 |
| 260 | 450 | 45 | 450  | 183  | 8.53.B00070 |
| 260 | 400 | 45 | 550  | 197  | 8.53.B00080 |
| 260 | 400 | 45 | 660  | 228  | 8.53.B00081 |
| 260 | 380 | 35 | 560  | 228  | 8.53.B00082 |
| 260 | 500 | 45 | 610  | 244  | 8.53.B00090 |
| 260 | 500 | 45 | 650  | 255  | 8.53.B00100 |
| 260 | 500 | 45 | 750  | 284  | 8.53.B00105 |
| 260 | 630 | 45 | 700  | 316  | 8.53.B00106 |
| 260 | 500 | 45 | 1000 | 355  | 8.53.B00107 |
| 280 | 400 | 45 | 510  | 198  | 8.53.B00110 |
| 310 | 500 | 45 | 600  | 278  | 8.53.B00111 |
| 310 | 500 | 45 | 750  | 330  | 8.53.B00113 |
| 310 | 500 | 45 | 900  | 383  | 8.53.B00115 |
| 340 | 500 | 45 | 660  | 321  | 8.53.B00120 |
| 360 | 500 | 45 | 410  | 236  | 8.53.B00140 |
| 360 | 500 | 45 | 450  | 253  | 8.53.B00150 |
| 360 | 500 | 45 | 550  | 294  | 8.53.B00160 |
| 360 | 500 | 45 | 610  | 319  | 8.53.B00170 |
| 360 | 500 | 45 | 700  | 356  | 8.53.B00171 |
| 360 | 630 | 45 | 700  | 403  | 8.53.B00172 |
| 360 | 630 | 45 | 820  | 452  | 8.53.B00180 |
| 360 | 500 | 45 | 820  | 403  | 8.53.B00181 |
| 360 | 630 | 45 | 950  | 508  | 8.53.B00185 |
| 460 | 630 | 45 | 550  | 409  | 8.53.B00190 |
| 460 | 630 | 45 | 650  | 463  | 8.53.B00200 |
| 510 | 630 | 45 | 860  | 631  | 8.53.B00211 |
| 560 | 750 | 45 | 850  | 732  | 8.53.B00220 |
| 510 | 800 | 45 | 800  | 671  | 8.53.B00230 |
| 640 | 800 | 45 | 1050 | 1565 | 8.53.B00235 |

**Art. 53C**

 Completamente lavorati  
Completely machined

 General tolerance  $\pm 0,02$  mm

**Dimensioni - Dimensions**

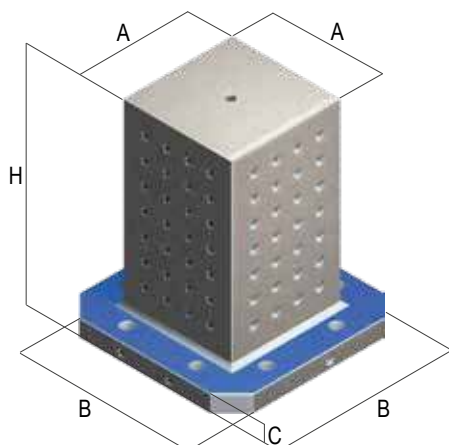
| A   | B   | C  | H    | kg   | Cod.        |
|-----|-----|----|------|------|-------------|
| 80  | 250 | 35 | 400  | 33   | 8.53.C00009 |
| 160 | 250 | 40 | 290  | 54   | 8.53.C00020 |
| 200 | 315 | 40 | 300  | 79   | 8.53.C00030 |
| 200 | 350 | 40 | 370  | 99   | 8.53.C00040 |
| 200 | 350 | 40 | 525  | 128  | 8.53.C00045 |
| 200 | 500 | 40 | 600  | 179  | 8.53.C00050 |
| 250 | 400 | 40 | 450  | 150  | 8.53.C00060 |
| 250 | 450 | 40 | 450  | 164  | 8.53.C00070 |
| 250 | 400 | 40 | 550  | 174  | 8.53.C00080 |
| 250 | 400 | 40 | 660  | 201  | 8.53.C00081 |
| 250 | 380 | 30 | 560  | 201  | 8.53.C00082 |
| 250 | 500 | 40 | 610  | 215  | 8.53.C00090 |
| 250 | 500 | 40 | 650  | 225  | 8.53.C00100 |
| 250 | 500 | 40 | 750  | 249  | 8.53.C00105 |
| 250 | 630 | 40 | 700  | 279  | 8.53.C00106 |
| 250 | 500 | 45 | 1000 | 310  | 8.53.C00107 |
| 270 | 400 | 40 | 510  | 176  | 8.53.C00110 |
| 300 | 500 | 40 | 600  | 247  | 8.53.C00111 |
| 300 | 500 | 40 | 750  | 293  | 8.53.C00113 |
| 300 | 500 | 40 | 900  | 338  | 8.53.C00115 |
| 330 | 500 | 40 | 660  | 287  | 8.53.C00120 |
| 350 | 500 | 40 | 410  | 212  | 8.53.C00140 |
| 350 | 500 | 40 | 450  | 226  | 8.53.C00150 |
| 350 | 500 | 40 | 550  | 263  | 8.53.C00160 |
| 350 | 500 | 40 | 610  | 284  | 8.53.C00170 |
| 350 | 500 | 40 | 700  | 317  | 8.53.C00171 |
| 350 | 630 | 40 | 700  | 359  | 8.53.C00172 |
| 350 | 630 | 40 | 820  | 402  | 8.53.C00180 |
| 350 | 500 | 40 | 820  | 358  | 8.53.C00181 |
| 350 | 630 | 40 | 950  | 450  | 8.53.C00185 |
| 450 | 630 | 40 | 550  | 367  | 8.53.C00190 |
| 450 | 630 | 40 | 650  | 415  | 8.53.C00200 |
| 500 | 630 | 40 | 860  | 565  | 8.53.C00211 |
| 550 | 750 | 40 | 850  | 656  | 8.53.C00220 |
| 500 | 800 | 40 | 800  | 600  | 8.53.C00230 |
| 630 | 800 | 40 | 1050 | 1556 | 8.53.C00235 |

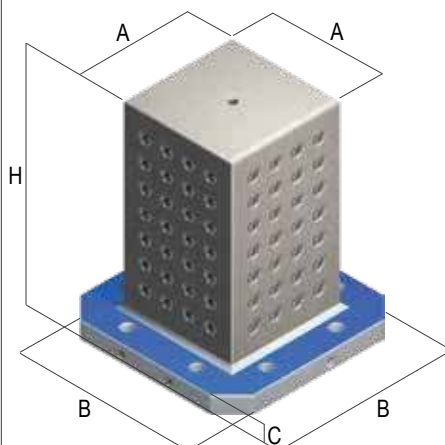
Modelli normalmente presenti a magazzino

Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica



**CUBI - CUBES**
**Art. 53E**

Reticolo integrale  
Grid cube

**Art. 53F**

Reticolo con bussole  
Grid cube with bushing


Stesse dimensioni dell'Art. 53C / Same dimensions of Art. 53C  
Peso: -5% circa rispetto Art. 53C / Weight: About -5% of Art. 53C

| Art. 53E 40 |  | Art. 53E 50 |  | Art. 53F 40 |  | Art. 53F 50 |  |
|-------------|--|-------------|--|-------------|--|-------------|--|
| Cod.        |  | Cod.        |  | Cod.        |  | Cod.        |  |
| 8.53.E40009 |  | 8.53.E00009 |  | 8.53.F40009 |  | 8.53.F00009 |  |
| 8.53.E40020 |  | 8.53.E00020 |  | 8.53.F40020 |  | 8.53.F00020 |  |
| 8.53.E40030 |  | 8.53.E00030 |  | 8.53.F40030 |  | 8.53.F00030 |  |
| 8.53.E40040 |  | 8.53.E00040 |  | 8.53.F40040 |  | 8.53.F00040 |  |
| 8.53.E40045 |  | 8.53.E00045 |  | 8.53.F40045 |  | 8.53.F00045 |  |
| 8.53.E40050 |  | 8.53.E00050 |  | 8.53.F40050 |  | 8.53.F00050 |  |
| 8.53.E40060 |  | 8.53.E00060 |  | 8.53.F40060 |  | 8.53.F00060 |  |
| 8.53.E40070 |  | 8.53.E00070 |  | 8.53.F40070 |  | 8.53.F00070 |  |
| 8.53.E40080 |  | 8.53.E00080 |  | 8.53.F40080 |  | 8.53.F00080 |  |
| 8.53.E40081 |  | 8.53.E00081 |  | 8.53.F40081 |  | 8.53.F00081 |  |
| 8.53.E40082 |  | 8.53.E00082 |  | 8.53.F40082 |  | 8.53.F00082 |  |
| 8.53.E40090 |  | 8.53.E00090 |  | 8.53.F40090 |  | 8.53.F00090 |  |
| 8.53.E40100 |  | 8.53.E00100 |  | 8.53.F40100 |  | 8.53.F00100 |  |
| 8.53.E40105 |  | 8.53.E00105 |  | 8.53.F40105 |  | 8.53.F00105 |  |
| 8.53.E40106 |  | 8.53.E00106 |  | 8.53.F40106 |  | 8.53.F00106 |  |
| 8.53.E40107 |  | 8.53.E00107 |  | 8.53.F40107 |  | 8.53.F00107 |  |
| 8.53.E40110 |  | 8.53.E00110 |  | 8.53.F40110 |  | 8.53.F00110 |  |
| 8.53.E40111 |  | 8.53.E00111 |  | 8.53.F40111 |  | 8.53.F00111 |  |
| 8.53.E40113 |  | 8.53.E00113 |  | 8.53.F40113 |  | 8.53.F00113 |  |
| 8.53.E40115 |  | 8.53.E00115 |  | 8.53.F40115 |  | 8.53.F00115 |  |
| 8.53.E40120 |  | 8.53.E00120 |  | 8.53.F40120 |  | 8.53.F00120 |  |
| 8.53.E40140 |  | 8.53.E00140 |  | 8.53.F40140 |  | 8.53.F00140 |  |
| 8.53.E40150 |  | 8.53.E00150 |  | 8.53.F40150 |  | 8.53.F00150 |  |
| 8.53.E40160 |  | 8.53.E00160 |  | 8.53.F40160 |  | 8.53.F00160 |  |
| 8.53.E40170 |  | 8.53.E00170 |  | 8.53.F40170 |  | 8.53.F00170 |  |
| 8.53.E40171 |  | 8.53.E00171 |  | 8.53.F40171 |  | 8.53.F00171 |  |
| 8.53.E40172 |  | 8.53.E00172 |  | 8.53.F40172 |  | 8.53.F00172 |  |
| 8.53.E40180 |  | 8.53.E00180 |  | 8.53.F40180 |  | 8.53.F00180 |  |
| 8.53.E40181 |  | 8.53.E00181 |  | 8.53.F40181 |  | 8.53.F00181 |  |
| 8.53.E40185 |  | 8.53.E00185 |  | 8.53.F40185 |  | 8.53.F00185 |  |
| 8.53.E40190 |  | 8.53.E00190 |  | 8.53.F40190 |  | 8.53.F00190 |  |
| 8.53.E40200 |  | 8.53.E00200 |  | 8.53.F40200 |  | 8.53.F00200 |  |
| 8.53.E40211 |  | 8.53.E00211 |  | 8.53.F40211 |  | 8.53.F00211 |  |
| 8.53.E40220 |  | 8.53.E00220 |  | 8.53.F40220 |  | 8.53.F00220 |  |
| 8.53.E40230 |  | 8.53.E00230 |  | 8.53.F40230 |  | 8.53.F00230 |  |
| 8.53.E40235 |  | 8.53.E00235 |  | 8.53.F40235 |  | 8.53.F00235 |  |

Usually available immediately

**Specifiche - Specifications**
**Art. 53A**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.  
Pareti con spessore 43-45 mm  
(Sovrametallo 10 mm)

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

**Art. 53B**

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**

**Art. 53C**

Cubo completamente finito con pareti spessore 38-40 mm circa.  
Cube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa  
Set-up, mounting and alignment for each vise

**Art. 53E 40 / 50**

Cubo a reticolo con fori calibrati e filettati integrali  
Tolleranza  $\pm 0,02$  mm  
☐ Interasse reticolo 40 mm =  $\varnothing 12 / M10$   
☐ Interasse reticolo 50 mm =  $\varnothing 16 / M12$

Grid cube with calibrated holes and solid threads  
Tolerance  $\pm 0,02$  mm  
☐ Grid pitch 40 mm =  $\varnothing 12 / M10$   
☐ Grid pitch 50 mm =  $\varnothing 16 / M12$

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

**Art. 53F 40 / 50**

Cubo a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox  
Tolleranza  $\pm 0,02$  mm  
☐ Interasse reticolo 40 mm =  $\varnothing 12 / M10$   
☐ Interasse reticolo 50 mm =  $\varnothing 16 / M12$

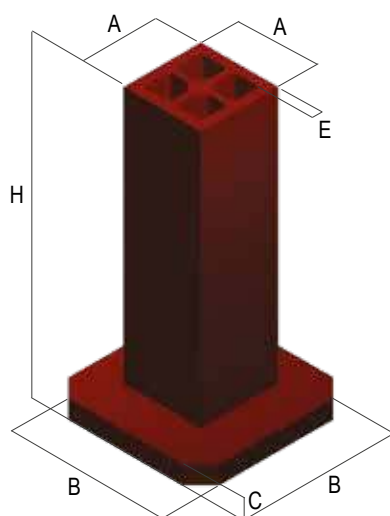
Grid cube with hardened bushing 100Cr6 and stainless steel helicoils  
Tolerance  $\pm 0,02$  mm  
☐ Grid pitch 40 mm =  $\varnothing 12 / M10$   
☐ Grid pitch 50 mm =  $\varnothing 16 / M12$

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

Disponibili in versione leggera (Pag.8.10 - 8.11)  
Available also as light version (Pag.8.10 - 8.11)

! For different finishing and materials (aluminium), ask for specific quotation

**CUBI LEGGERI - LIGHT CUBES**
**NEW**
**Art. 53A1**

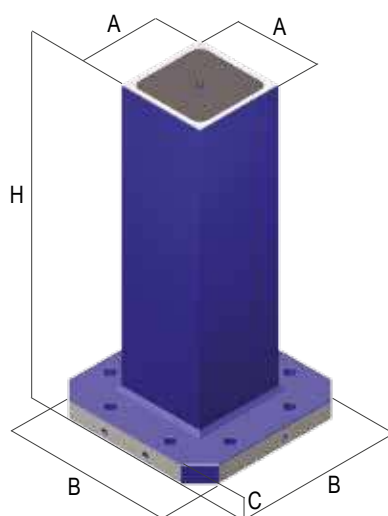
 Sgrossati di fresa  
Rough milled

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |  |
|-----|-----|----|----|-----|-----|-------------|--|
| 210 | 410 | 50 | 25 | 760 | 178 | 8.53.A10055 |  |
| 260 | 410 | 50 | 25 | 860 | 240 | 8.53.A10085 |  |
| 260 | 510 | 50 | 25 | 760 | 249 | 8.53.A10105 |  |
| 360 | 510 | 50 | 30 | 910 | 414 | 8.53.A10182 |  |
| 360 | 640 | 50 | 30 | 960 | 488 | 8.53.A10185 |  |
| 460 | 640 | 50 | 35 | 960 | 655 | 8.53.A10205 |  |

E= Spessore pareti - Wall tickness

**Art. 53B1**

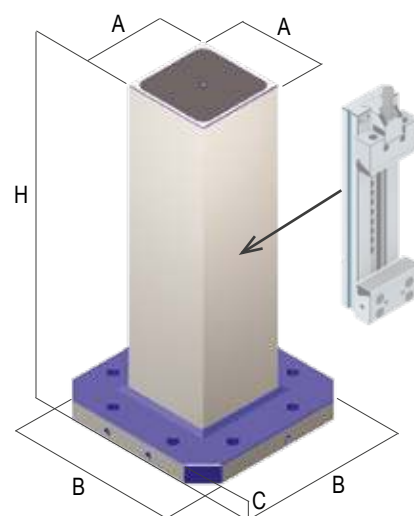
 Base finita  
Base finished

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |  |
|-----|-----|----|----|-----|-----|-------------|--|
| 210 | 400 | 45 | 25 | 750 | 167 | 8.53.B10055 |  |
| 260 | 400 | 45 | 25 | 850 | 229 | 8.53.B10085 |  |
| 260 | 500 | 45 | 25 | 750 | 234 | 8.53.B10105 |  |
| 360 | 500 | 45 | 30 | 900 | 400 | 8.53.B10182 |  |
| 360 | 630 | 45 | 30 | 950 | 468 | 8.53.B10185 |  |
| 460 | 630 | 45 | 35 | 950 | 634 | 8.53.B10205 |  |

E= Spessore pareti - Wall tickness

**Art. 53C1**

 Completamente lavorati  
Completely machined

 General tolerance  $\pm 0,02$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |  |
|-----|-----|----|----|-----|-----|-------------|--|
| 200 | 400 | 40 | 20 | 750 | 142 | 8.53.C10055 |  |
| 250 | 400 | 40 | 20 | 850 | 196 | 8.53.C10085 |  |
| 250 | 500 | 40 | 20 | 750 | 201 | 8.53.C10105 |  |
| 350 | 500 | 40 | 25 | 900 | 351 | 8.53.C10182 |  |
| 350 | 630 | 40 | 25 | 950 | 411 | 8.53.C10185 |  |
| 450 | 630 | 40 | 30 | 950 | 568 | 8.53.C10205 |  |

E= Spessore pareti - Wall tickness

**Art. 53A1**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.

**Pareti con spessore ridotto**  
(Sovrametallo 10 mm).

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.

**Wall with reduced thickness**  
(10 mm stock)

**Art. 53B1**

 Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

 Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**
**Art. 53C1**

 Cubo completamente finito con  
**pareti di spessore ridotto**

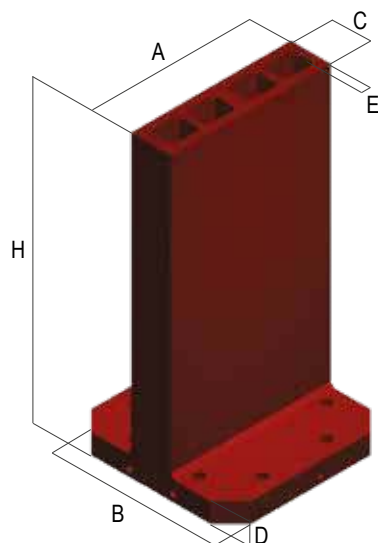
 Cube completely finished with **wall reduced thickness**

 Predisposizione, montaggio ed allineamento di ogni morsa  
Set-up, mounting and alignment for each vise

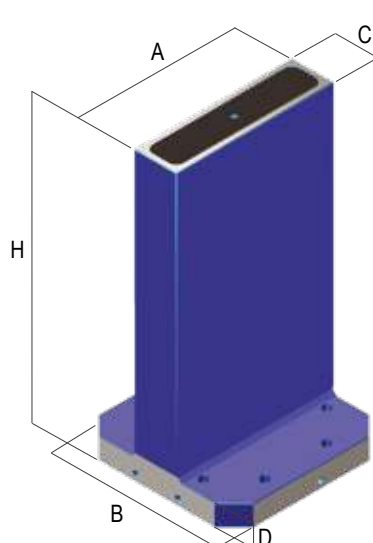
Disponibili in versione con pareti 38-40mm (Pag.8.8 - 8.9)

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

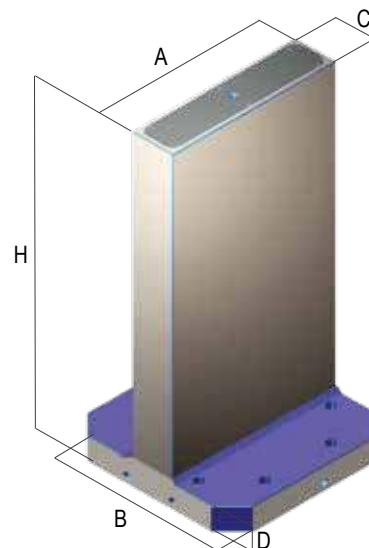
**SPALLE LEGGERE - 2 SIDES TOMBSTONES LIGHT**
**NEW**
**Art. 55A1**

 Sgrossati di fresa  
Rough milled

 General tolerance  $\pm 2$  mm

**Art. 55B1**

 Base finita  
Base finished

 General tolerance  $\pm 2$  mm

**Art. 55C1\***

 Completamente lavorati  
Completely machined

 General tolerance  $\pm 0,02$  mm

**Dimensioni - Dimensions**

| A   | B   | C   | D  | E  | H   | kg  | Cod.        |
|-----|-----|-----|----|----|-----|-----|-------------|
| 410 | 410 | 110 | 60 | 25 | 760 | 204 | 8.55.A10045 |
| 410 | 410 | 160 | 60 | 25 | 860 | 250 | 8.55.A10050 |
| 510 | 510 | 160 | 60 | 25 | 760 | 292 | 8.55.A10053 |
| 510 | 510 | 210 | 60 | 30 | 910 | 436 | 8.55.A10085 |
| 640 | 640 | 210 | 60 | 30 | 960 | 574 | 8.55.A10172 |
| 640 | 640 | 260 | 60 | 35 | 960 | 666 | 8.55.A10175 |

E= Spessore pareti - Wall tickness

**Dimensioni - Dimensions**

| A   | B   | C   | D  | E  | H   | kg  | Cod.        |
|-----|-----|-----|----|----|-----|-----|-------------|
| 400 | 400 | 110 | 55 | 25 | 750 | 193 | 8.55.B10045 |
| 400 | 400 | 160 | 55 | 25 | 850 | 239 | 8.55.B10050 |
| 500 | 500 | 160 | 55 | 25 | 750 | 277 | 8.55.B10053 |
| 500 | 500 | 210 | 55 | 30 | 900 | 402 | 8.55.B10085 |
| 630 | 630 | 210 | 55 | 30 | 950 | 553 | 8.55.B10172 |
| 630 | 630 | 260 | 55 | 35 | 950 | 645 | 8.55.B10175 |

E= Spessore pareti - Wall tickness

**Dimensioni - Dimensions**

| A   | B   | C   | D  | E  | H   | kg  | Cod.        |
|-----|-----|-----|----|----|-----|-----|-------------|
| 400 | 400 | 100 | 50 | 20 | 750 | 163 | 8.55.C10045 |
| 400 | 400 | 150 | 50 | 20 | 850 | 203 | 8.55.C10050 |
| 500 | 500 | 150 | 50 | 20 | 750 | 238 | 8.55.C10053 |
| 500 | 500 | 200 | 50 | 25 | 900 | 371 | 8.55.C10085 |
| 630 | 630 | 200 | 50 | 25 | 950 | 489 | 8.55.C10172 |
| 630 | 630 | 250 | 50 | 30 | 950 | 579 | 8.55.C10175 |

E= Spessore pareti - Wall tickness

**Specifiche - Specifications**
**Art. 55A1**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.

**Pareti con spessore ridotto**  
(Sovrametallo 10 mm).

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.

**Wall with reduced thickness**  
(10 mm stock)

**Art. 55B1**

 Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

 Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**
**Art. 55C1**

 Cubo completamente finito con  
**pareti di spessore ridotto**

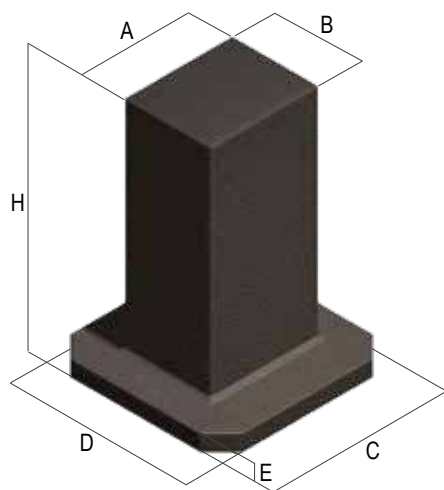
 Cube completely finished with **wall reduced thickness**

 Predisposizione, montaggio ed allineamento di ogni morsa  
Set-up, mounting and alignment for each vise

Available also as wall thickness 38-40mm (Pag.8.8 - 8.9)

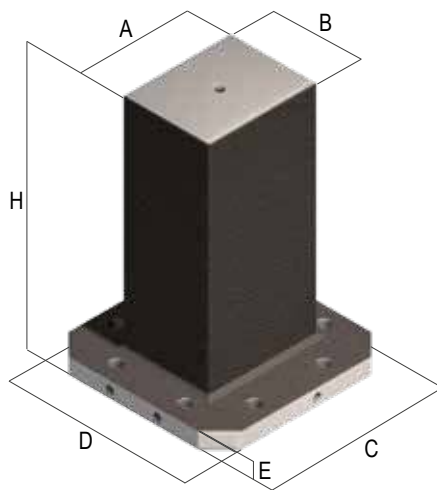
! For different finishing and materials (aluminium), ask for specific quotation



**CUBI RETTANGOLARI - RECTANGULAR CUBES**
**Art. 54A**
**Sgrossati di fresa**  
Rough milled

General tolerance  $\pm 2$  mm

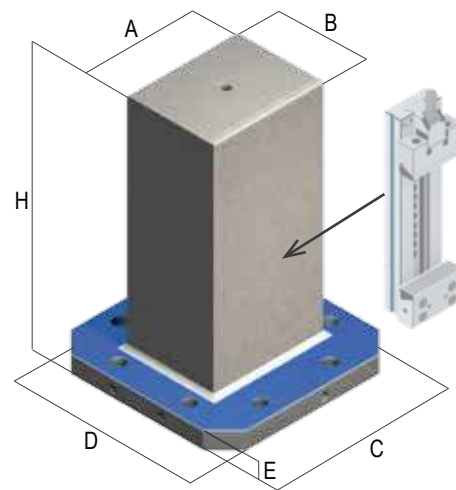
**Dimensioni - Dimensions**

| A   | B   | C   | D   | E  | H   | kg  | Cod.        |
|-----|-----|-----|-----|----|-----|-----|-------------|
| 310 | 210 | 460 | 310 | 50 | 370 | 142 | 8.54.A00010 |
| 360 | 260 | 410 | 410 | 50 | 560 | 241 | 8.54.A00040 |
| 360 | 260 | 510 | 510 | 50 | 760 | 344 | 8.54.A00070 |
| 310 | 210 | 410 | 410 | 50 | 560 | 206 | 8.54.A00080 |
| 460 | 360 | 640 | 640 | 50 | 560 | 397 | 8.54.A00100 |
| 460 | 360 | 640 | 640 | 50 | 660 | 450 | 8.54.A00110 |
| 560 | 360 | 640 | 640 | 50 | 660 | 484 | 8.54.A00120 |

**Art. 54B**
**Base finita**  
Base finished

General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A   | B   | C   | D   | E  | H   | kg  | Cod.        |
|-----|-----|-----|-----|----|-----|-----|-------------|
| 310 | 210 | 450 | 300 | 45 | 360 | 134 | 8.54.B00010 |
| 360 | 260 | 400 | 400 | 45 | 550 | 230 | 8.54.B00040 |
| 360 | 260 | 500 | 500 | 45 | 750 | 329 | 8.54.B00070 |
| 310 | 210 | 400 | 400 | 45 | 550 | 196 | 8.54.B00080 |
| 460 | 360 | 630 | 630 | 45 | 550 | 375 | 8.54.B00100 |
| 460 | 360 | 630 | 630 | 45 | 650 | 428 | 8.54.B00110 |
| 560 | 360 | 630 | 630 | 45 | 650 | 461 | 8.54.B00120 |

**Art. 54C**
**Completamente lavorati**  
Completely machined

General tolerance  $\pm 0,02$  mm

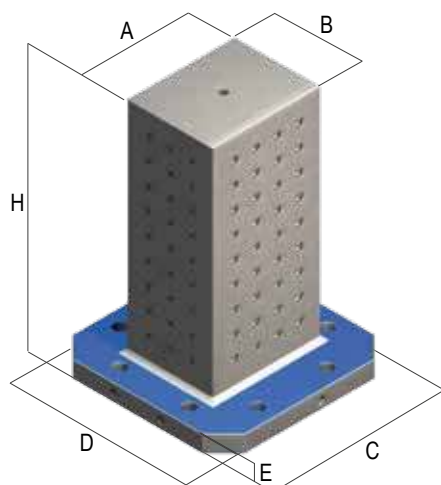
**Dimensioni - Dimensions**

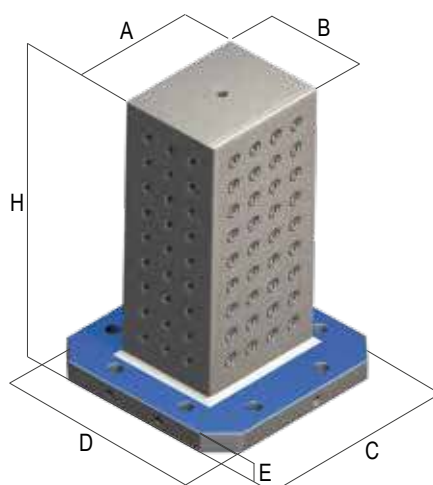
| A   | B   | C   | D   | E  | H   | kg  | Cod.        |
|-----|-----|-----|-----|----|-----|-----|-------------|
| 300 | 200 | 450 | 300 | 45 | 360 | 127 | 8.54.C00010 |
| 350 | 250 | 400 | 400 | 45 | 550 | 205 | 8.54.C00040 |
| 350 | 250 | 500 | 500 | 45 | 750 | 292 | 8.54.C00070 |
| 300 | 200 | 400 | 400 | 45 | 550 | 174 | 8.54.C00080 |
| 450 | 350 | 630 | 630 | 45 | 550 | 336 | 8.54.C00100 |
| 450 | 350 | 630 | 630 | 45 | 650 | 340 | 8.54.C00110 |
| 550 | 350 | 630 | 630 | 45 | 650 | 413 | 8.54.C00120 |

Modelli normalmente presenti a magazzino

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

**CUBI RETTANGOLARI - RECTANGULAR CUBES**
**Art. 54E**

 Reticolo integrale  
 Grid cube

**Art. 54F**

 Reticolo con bussole  
 Grid cube with bushing

 Stesse dimensioni dell'Art. 54C / Same dimensions of Art. 54C  
 Peso: -5% circa rispetto Art. 54C / Weight: About -5% of Art. 54C

| Art. 54E 40 |  | Art. 54E 50 |  | Art. 54F 40 |  | Art. 54F 50 |  |
|-------------|--|-------------|--|-------------|--|-------------|--|
| Cod.        |  | Cod.        |  | Cod.        |  | Cod.        |  |
| 8.54.E40010 |  | 8.54.E00010 |  | 8.54.F40010 |  | 8.54.F00010 |  |
| 8.54.E40040 |  | 8.54.E00040 |  | 8.54.F40040 |  | 8.54.F00040 |  |
| 8.54.E40070 |  | 8.54.E00070 |  | 8.54.F40070 |  | 8.54.F00070 |  |
| 8.54.E40080 |  | 8.54.E00080 |  | 8.54.F40080 |  | 8.54.F00080 |  |
| 8.54.E40100 |  | 8.54.E00100 |  | 8.54.F40100 |  | 8.54.F00100 |  |
| 8.54.E40110 |  | 8.54.E00110 |  | 8.54.F40110 |  | 8.54.F00110 |  |
| 8.54.E40120 |  | 8.54.E00120 |  | 8.54.F40120 |  | 8.54.F00120 |  |

Usually available immediately

**Specifiche - Specifications**
**Art. 54A**

 Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.  
 Pareti con spessore 43-45 mm  
 (Sovrametallo 10 mm)

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

**Art. 54B**

 Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

 Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**
**Art. 54C**

 Cubo completamente finito con pareti spessore 38-40 mm circa.  
 Cube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa

Set-up, mounting and alignment for each vise

**Art. 54E 40 / 50**

 Cubo rettangolare a reticolo con fori calibrati e filettati integrali - Tolleranza  $\pm 0,02$  mm

- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

 Grid rectangular cube with calibrated holes and solid threads - Tolerance  $\pm 0,02$  mm

- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

 Montaggio ed allineamento di ogni morsa  
 Mounting and alignment for each vise

**Art. 54F 40 / 50**

 Cubo rettangolare a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox  
 Tolleranza  $\pm 0,02$  mm

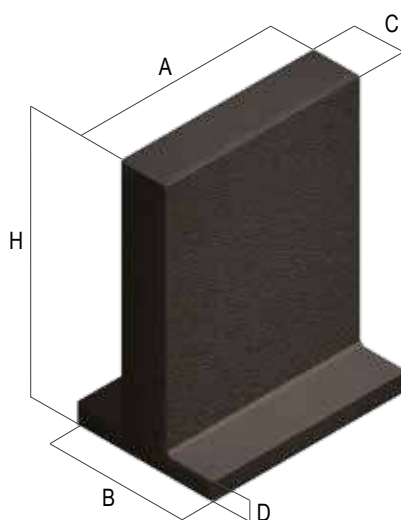
- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

 Grid rectangular cube with hardened bushing 100Cr6 and stainless steel helicoils  
 Tolerance  $\pm 0,02$  mm

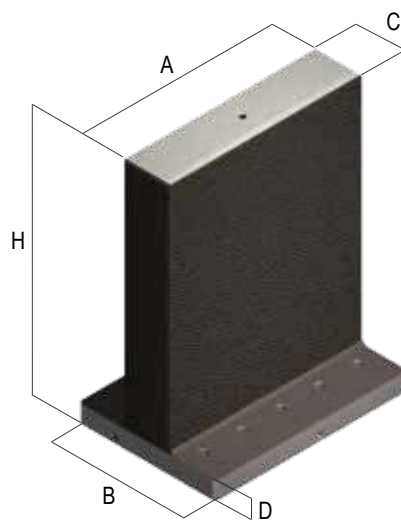
- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

 Montaggio ed allineamento di ogni morsa  
 Mounting and alignment for each vise

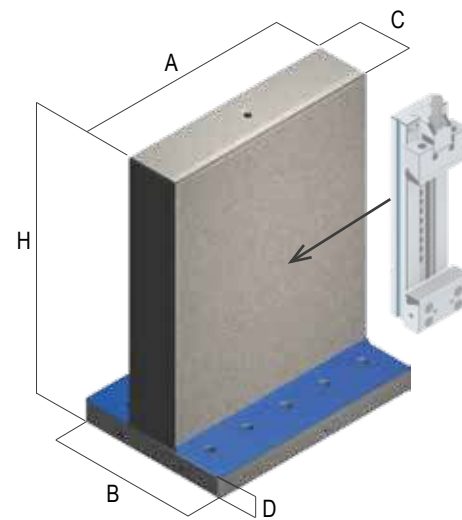
! For different finishing and materials (aluminium), ask for specific quotation

**SPALLE - 2 SIDES TOMBSTONES**
**Art. 55A**
**Sgrossati di fresa**  
Rough milled

General tolerance  $\pm 2$  mm

| Dimensioni - Dimensions |      |     |    |      |      |             |  |
|-------------------------|------|-----|----|------|------|-------------|--|
| A                       | B    | C   | D  | H    | kg   | Cod.        |  |
| 170                     | 210  | 80  | 55 | 235  | 31   | 8.55.A00010 |  |
| 360                     | 260  | 90  | 60 | 425  | 124  | 8.55.A00040 |  |
| 310                     | 450  | 160 | 60 | 310  | 124  | 8.55.A00044 |  |
| 310                     | 450  | 160 | 60 | 640  | 199  | 8.55.A00045 |  |
| 410                     | 360  | 110 | 60 | 535  | 221  | 8.55.A00050 |  |
| 410                     | 410  | 160 | 60 | 510  | 215  | 8.55.A00051 |  |
| 410                     | 410  | 160 | 55 | 670  | 262  | 8.55.A00052 |  |
| 510                     | 510  | 160 | 55 | 710  | 350  | 8.55.A00053 |  |
| 510                     | 510  | 210 | 60 | 610  | 340  | 8.55.A00054 |  |
| 510                     | 510  | 270 | 50 | 635  | 360  | 8.55.A00055 |  |
| 460                     | 360  | 110 | 60 | 535  | 241  | 8.55.A00060 |  |
| 460                     | 360  | 110 | 60 | 630  | 283  | 8.55.A00070 |  |
| 560                     | 360  | 110 | 70 | 660  | 368  | 8.55.A00080 |  |
| 510                     | 360  | 160 | 60 | 660  | 307  | 8.55.A00090 |  |
| 460                     | 360  | 160 | 60 | 620  | 289  | 8.55.A00120 |  |
| 460                     | 360  | 160 | 60 | 760  | 316  | 8.55.A00125 |  |
| 560                     | 360  | 160 | 70 | 680  | 352  | 8.55.A00150 |  |
| 560                     | 460  | 160 | 60 | 830  | 430  | 8.55.A00160 |  |
| 640                     | 460  | 160 | 60 | 830  | 486  | 8.55.A00170 |  |
| 640                     | 460  | 260 | 70 | 910  | 589  | 8.55.A00171 |  |
| 640                     | 640  | 210 | 60 | 870  | 579  | 8.55.A00172 |  |
| 640                     | 640  | 260 | 60 | 710  | 521  | 8.55.A00173 |  |
| 360                     | 460  | 160 | 70 | 660  | 250  | 8.55.A00180 |  |
| 810                     | 460  | 160 | 70 | 860  | 632  | 8.55.A00190 |  |
| 810                     | 810  | 310 | 60 | 810  | 782  | 8.55.A00191 |  |
| 810                     | 810  | 210 | 60 | 1010 | 855  | 8.55.A00192 |  |
| 1210                    | 860  | 260 | 70 | 1310 | 1572 | 8.55.A00230 |  |
| 1260                    | 1260 | 410 | 45 | 1510 | 2224 | 8.55.A00235 |  |

**Art. 55B**
**Base finita**  
Base finished

General tolerance  $\pm 2$  mm

| Dimensioni - Dimensions |      |     |    |      |      |             |  |
|-------------------------|------|-----|----|------|------|-------------|--|
| A                       | B    | C   | D  | H    | kg   | Cod.        |  |
| 160                     | 200  | 80  | 50 | 225  | 29   | 8.55.B00010 |  |
| 350                     | 250  | 90  | 55 | 415  | 114  | 8.55.B00040 |  |
| 300                     | 440  | 160 | 55 | 300  | 114  | 8.55.B00044 |  |
| 300                     | 440  | 160 | 55 | 630  | 192  | 8.55.B00045 |  |
| 400                     | 350  | 110 | 55 | 525  | 207  | 8.55.B00050 |  |
| 400                     | 400  | 160 | 55 | 500  | 199  | 8.55.B00051 |  |
| 400                     | 400  | 160 | 50 | 660  | 244  | 8.55.B00052 |  |
| 500                     | 500  | 160 | 50 | 700  | 331  | 8.55.B00053 |  |
| 500                     | 500  | 210 | 55 | 600  | 316  | 8.55.B00054 |  |
| 500                     | 500  | 270 | 45 | 625  | 336  | 8.55.B00055 |  |
| 450                     | 350  | 110 | 55 | 525  | 227  | 8.55.B00060 |  |
| 450                     | 350  | 110 | 55 | 620  | 267  | 8.55.B00070 |  |
| 550                     | 350  | 110 | 65 | 650  | 350  | 8.55.B00080 |  |
| 500                     | 350  | 160 | 55 | 650  | 289  | 8.55.B00090 |  |
| 450                     | 350  | 160 | 55 | 610  | 271  | 8.55.B00120 |  |
| 450                     | 350  | 160 | 55 | 750  | 297  | 8.55.B00125 |  |
| 550                     | 350  | 160 | 65 | 670  | 332  | 8.55.B00150 |  |
| 550                     | 450  | 160 | 55 | 820  | 406  | 8.55.B00160 |  |
| 630                     | 450  | 160 | 55 | 820  | 460  | 8.55.B00170 |  |
| 630                     | 450  | 260 | 65 | 900  | 564  | 8.55.B00171 |  |
| 630                     | 630  | 210 | 55 | 850  | 545  | 8.55.B00172 |  |
| 630                     | 630  | 260 | 55 | 700  | 485  | 8.55.B00173 |  |
| 350                     | 450  | 160 | 65 | 650  | 232  | 8.55.B00180 |  |
| 800                     | 450  | 160 | 65 | 850  | 604  | 8.55.B00190 |  |
| 800                     | 800  | 310 | 55 | 800  | 732  | 8.55.B00191 |  |
| 800                     | 800  | 210 | 55 | 1000 | 820  | 8.55.B00192 |  |
| 1200                    | 850  | 260 | 65 | 1300 | 1506 | 8.55.B00230 |  |
| 1250                    | 1250 | 410 | 40 | 1500 | -    | 8.55.A00235 |  |

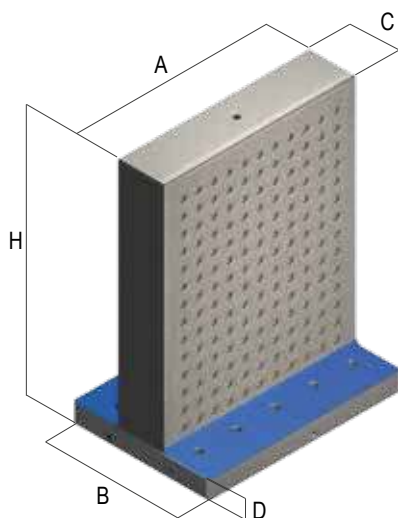
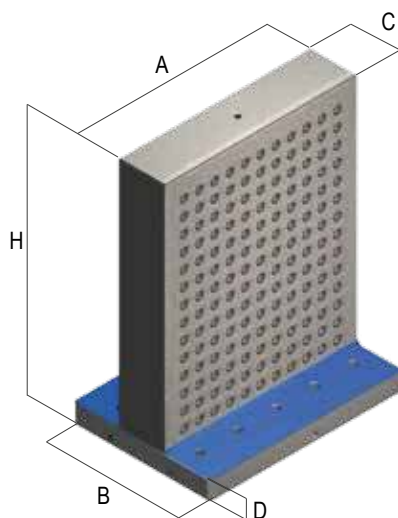
**Art. 55C**
**Completamente lavorati**  
Completely machined

General tolerance  $\pm 0,02$  mm

| Dimensioni - Dimensions |      |     |    |      |      |             |  |
|-------------------------|------|-----|----|------|------|-------------|--|
| A                       | B    | C   | D  | H    | kg   | Cod.        |  |
| 160                     | 200  | 70  | 45 | 225  | 24   | 8.55.C00010 |  |
| 350                     | 250  | 80  | 50 | 415  | 103  | 8.55.C00040 |  |
| 300                     | 440  | 150 | 50 | 300  | 109  | 8.55.C00044 |  |
| 300                     | 440  | 150 | 50 | 630  | 185  | 8.55.C00045 |  |
| 400                     | 350  | 100 | 50 | 525  | 190  | 8.55.C00050 |  |
| 400                     | 400  | 150 | 50 | 500  | 193  | 8.55.C00051 |  |
| 400                     | 400  | 150 | 45 | 660  | 222  | 8.55.C00052 |  |
| 500                     | 500  | 150 | 45 | 700  | 290  | 8.55.C00053 |  |
| 500                     | 500  | 200 | 50 | 600  | 287  | 8.55.C00054 |  |
| 500                     | 500  | 260 | 40 | 625  | 310  | 8.55.C00055 |  |
| 450                     | 350  | 100 | 50 | 525  | 208  | 8.55.C00060 |  |
| 450                     | 350  | 100 | 50 | 620  | 245  | 8.55.C00070 |  |
| 550                     | 350  | 100 | 60 | 650  | 321  | 8.55.C00080 |  |
| 500                     | 350  | 150 | 50 | 650  | 263  | 8.55.C00090 |  |
| 450                     | 350  | 150 | 50 | 610  | 250  | 8.55.C00120 |  |
| 450                     | 350  | 150 | 50 | 750  | 271  | 8.55.C00125 |  |
| 550                     | 350  | 150 | 60 | 670  | 303  | 8.55.C00150 |  |
| 550                     | 450  | 150 | 50 | 820  | 369  | 8.55.C00160 |  |
| 630                     | 450  | 150 | 50 | 820  | 418  | 8.55.C00170 |  |
| 630                     | 450  | 250 | 60 | 900  | 513  | 8.55.C00171 |  |
| 630                     | 630  | 200 | 50 | 850  | 504  | 8.55.C00172 |  |
| 630                     | 630  | 250 | 50 | 700  | 447  | 8.55.C00173 |  |
| 350                     | 450  | 150 | 60 | 650  | 213  | 8.55.C00180 |  |
| 800                     | 450  | 150 | 60 | 850  | 548  | 8.55.C00190 |  |
| 800                     | 800  | 300 | 50 | 800  | 674  | 8.55.C00191 |  |
| 800                     | 800  | 200 | 50 | 1000 | 814  | 8.55.C00192 |  |
| 1200                    | 850  | 250 | 60 | 1300 | 1374 | 8.55.C00230 |  |
| 1250                    | 1250 | 400 | 40 | 1500 | -    | 8.55.C00235 |  |

Modelli normalmente presenti a magazzino

• Non sgrassato di fresa

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

**SPALLE - 2 SIDES TOMBSTONES**
**Art. 55E**
**Reticolo integrale**  
Grid tombstone

**Art. 55F**
**Reticolo con bussole**  
Grid tombstone with bushing


Stesse dimensioni dell'Art. 55C / Same dimensions of Art. 55C  
Peso: -5% circa rispetto Art. 55C / Weight: About -5% of Art. 55C

**Specifiche - Specifications**
**Art. 55A**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.  
Pareti con spessore 43-45 mm  
(Sovrametallo 10 mm)

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

**Art. 55B**

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

Rough milled casting with base face machined and hand scraped for direct clamping on  
European or Japanese standard pallet.  
**See specifications pag. 8.6**

**Art. 55C**

Spalla completamente finita con pareti spessore 38-40 mm circa.

2 sides tombstone completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa  
**Set-up, mounting and alignment for each vise**

**Art. 55E 40 / 50**

Spalla a reticolo con fori calibrati e filettati integrali - Tolleranza  $\pm 0,02$  mm

- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

2 sides grid tombstone with calibrated holes and solid threads - Tolerance  $\pm 0,02$  mm

- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
**Mounting and alignment for each vise**

**Art. 55F 40 / 50**

Spalla a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox  
Tolleranza  $\pm 0,02$  mm

- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

2 sides grid tombstone with hardened bushing 100Cr6 and stainless steel helicoils  
Tolerance  $\pm 0,02$  mm

- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
**Mounting and alignment for each vise**

Disponibili in versione leggera (Pag.8.10 - 8.11)  
Available also as light version (Pag.8.10 - 8.11)

| Art. 55E 40 |  | Art. 55E 50 |  | Art. 55F 40 |  | Art. 55F 50 |  |
|-------------|--|-------------|--|-------------|--|-------------|--|
| Cod.        |  | Cod.        |  | Cod.        |  | Cod.        |  |
| 8.55.E40010 |  | 8.55.E00010 |  | 8.55.F40010 |  | 8.55.F00010 |  |
| 8.55.E40040 |  | 8.55.E00040 |  | 8.55.F40040 |  | 8.55.F00040 |  |
| 8.55.E40044 |  | 8.55.E00044 |  | 8.55.F40044 |  | 8.55.F00044 |  |
| 8.55E40045  |  | 8.55E00045  |  | 8.55F40045  |  | 8.55F00045  |  |
| 8.55.E40050 |  | 8.55.E00050 |  | 8.55.F40050 |  | 8.55.F00050 |  |
| 8.55.E40051 |  | 8.55.E00051 |  | 8.55.F40051 |  | 8.55.F00051 |  |
| 8.55.E40052 |  | 8.55.E00052 |  | 8.55.F40052 |  | 8.55.F00052 |  |
| 8.55.E40053 |  | 8.55.E00053 |  | 8.55.F40053 |  | 8.55.F00053 |  |
| 8.55.E40054 |  | 8.55.E00054 |  | 8.55.F40054 |  | 8.55.F00054 |  |
| 8.55.E40055 |  | 8.55.E00055 |  | 8.55.F40055 |  | 8.55.F00055 |  |
| 8.55.E40060 |  | 8.55.E00060 |  | 8.55.F40060 |  | 8.55.F00060 |  |
| 8.55.E40070 |  | 8.55.E00070 |  | 8.55.F40070 |  | 8.55.F00070 |  |
| 8.55.E40080 |  | 8.55.E00080 |  | 8.55.F40080 |  | 8.55.F00080 |  |
| 8.55.E40090 |  | 8.55.E00090 |  | 8.55.F40090 |  | 8.55.F00090 |  |
| 8.55.E40120 |  | 8.55.E00120 |  | 8.55.F40120 |  | 8.55.F00120 |  |
| 8.55.E40125 |  | 8.55.E00125 |  | 8.55.F40125 |  | 8.55.F00125 |  |
| 8.55.E40150 |  | 8.55.E00150 |  | 8.55.F40150 |  | 8.55.F00150 |  |
| 8.55.E40160 |  | 8.55.E00160 |  | 8.55.F40160 |  | 8.55.F00160 |  |
| 8.55.E40170 |  | 8.55.E00170 |  | 8.55.F40170 |  | 8.55.F00170 |  |
| 8.55.E40171 |  | 8.55.E00171 |  | 8.55.F40171 |  | 8.55.F00171 |  |
| 8.55.E40172 |  | 8.55.E00172 |  | 8.55.F40172 |  | 8.55.F00172 |  |
| 8.55.E40173 |  | 8.55.E00173 |  | 8.55.F40173 |  | 8.55.F00173 |  |
| 8.55.E40180 |  | 8.55.E00180 |  | 8.55.F40180 |  | 8.55.F00180 |  |
| 8.55.E40190 |  | 8.55.E00190 |  | 8.55.F40190 |  | 8.55.F00190 |  |
| 8.55.E40191 |  | 8.55.E00191 |  | 8.55.F40191 |  | 8.55.F00191 |  |
| 8.55.E40192 |  | 8.55.E00192 |  | 8.55.F40192 |  | 8.55.F00192 |  |
| 8.55.E40230 |  | 8.55.E00230 |  | 8.55.F40230 |  | 8.55.F00230 |  |
| 8.55.E40235 |  | 8.55.E00235 |  | 8.55.F40235 |  | 8.55.F00235 |  |

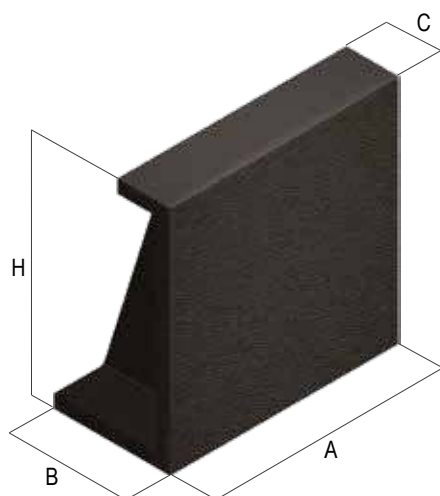
Usually available immediately

• Not rough milled

! For different finishing and materials (aluminium), ask for specific quotation



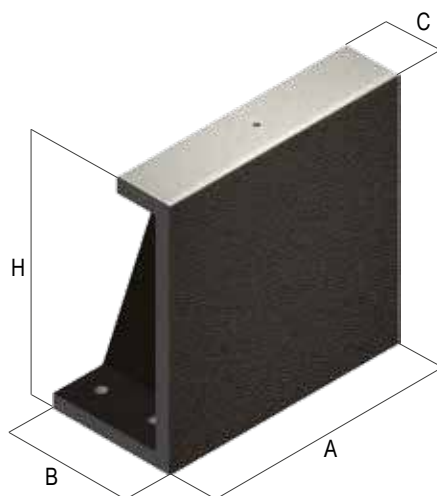
**SQUADRE - ANGLES**
**Art. 56A**

 Sgrossati di fresa  
Rough milled

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A    | B   | C   | H    | kg   | Cod.        |
|------|-----|-----|------|------|-------------|
| 360  | 160 | 45  | 260  | 50   | 8.56.A00008 |
| 310  | 230 | 105 | 310  | 66   | 8.56.A00009 |
| 360  | 240 | 105 | 370  | 87   | 8.56.A00010 |
| 410  | 290 | 105 | 410  | 114  | 8.56.A00011 |
| 210  | 360 | 40  | 710  | 120  | 8.56.A00012 |
| 410  | 340 | 155 | 520  | 167  | 8.56.A00030 |
| 510  | 350 | 155 | 510  | 188  | 8.56.A00031 |
| 460  | 340 | 155 | 470  | 161  | 8.56.A00040 |
| 460  | 340 | 155 | 620  | 197  | 8.56.A00050 |
| 640  | 445 | 155 | 640  | 304  | 8.56.A00051 |
| 510  | 240 | 105 | 370  | 117  | 8.56.A00060 |
| 560  | 440 | 205 | 820  | 342  | 8.56.A00080 |
| 660  | 340 | 155 | 670  | 285  | 8.56.A00100 |
| 210  | 310 | 55  | 710  | 102  | 8.56.A00101 |
| 810  | 340 | 155 | 570  | 302  | 8.56.A00110 |
| 810  | 535 | 205 | 810  | 491  | 8.56.A00111 |
| 810  | 440 | 205 | 810  | 450  | 8.56.A00120 |
| 1025 | 510 | 90  | 1020 | 695  | 8.56.A00130 |
| 1025 | 620 | 90  | 1225 | 775  | 8.56.A00140 |
| 1810 | 835 | 143 | 1510 | 1794 | 8.56.A00150 |

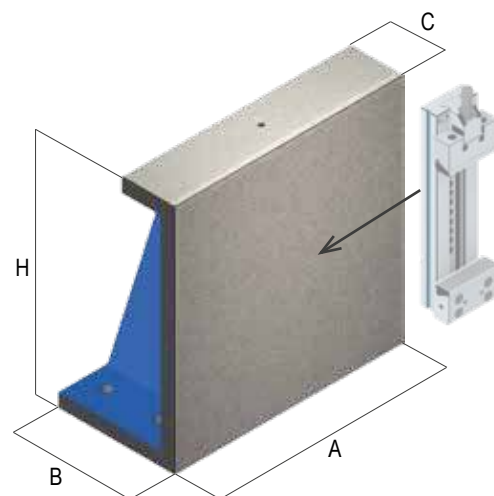
**Art. 56B**

 Base finita  
Base finished

 General tolerance  $\pm 2$  mm

**Dimensioni - Dimensions**

| A    | B   | C   | H    | kg   | Cod.        |
|------|-----|-----|------|------|-------------|
| 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 |
| 450  | 340 | 155 | 460  | 150  | 8.56.B00040 |
| 450  | 340 | 155 | 610  | 185  | 8.56.B00050 |
| 630  | 445 | 155 | 630  | 286  | 8.56.B00051 |
| 500  | 240 | 105 | 360  | 109  | 8.56.B00060 |
| 550  | 440 | 205 | 810  | 324  | 8.56.B00080 |
| 650  | 340 | 155 | 660  | 269  | 8.56.B00100 |
| 200  | 310 | 55  | 700  | 96   | 8.56.B00101 |
| 800  | 340 | 155 | 560  | 294  | 8.56.B00110 |
| 800  | 535 | 205 | 800  | 464  | 8.56.B00111 |
| 800  | 440 | 205 | 800  | 427  | 8.56.B00120 |
| 1015 | 510 | 90  | 1010 | 668  | 8.56.B00130 |
| 1015 | 620 | 90  | 1215 | 1115 | 8.56.B00140 |
| 1810 | 835 | 143 | 1500 | -    | 8.56.B00150 |

**Art. 56C**

 Completamente lavorati  
Completely machined

 General tolerance  $\pm 0,02$  mm

**Dimensioni - Dimensions**

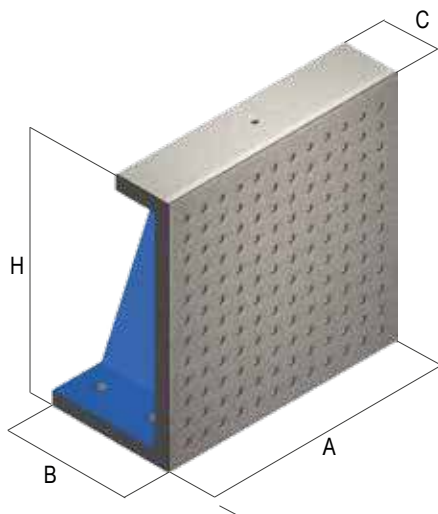
| A    | B   | C   | H    | kg  | Cod.        |
|------|-----|-----|------|-----|-------------|
| 350  | 150 | 40  | 250  | 42  | 8.56.C00008 |
| 300  | 220 | 100 | 300  | 57  | 8.56.C00009 |
| 350  | 230 | 100 | 360  | 75  | 8.56.C00010 |
| 400  | 280 | 100 | 400  | 100 | 8.56.C00011 |
| 200  | 350 | 35  | 700  | 100 | 8.56.C00012 |
| 400  | 330 | 150 | 510  | 140 | 8.56.C00030 |
| 500  | 340 | 150 | 500  | 166 | 8.56.C00031 |
| 450  | 330 | 150 | 460  | 142 | 8.56.C00040 |
| 450  | 330 | 150 | 610  | 174 | 8.56.C00050 |
| 630  | 435 | 150 | 630  | 270 | 8.56.C00051 |
| 500  | 230 | 100 | 360  | 107 | 8.56.C00060 |
| 550  | 430 | 200 | 810  | 252 | 8.56.C00080 |
| 650  | 330 | 150 | 660  | 245 | 8.56.C00100 |
| 200  | 300 | 50  | 700  | 90  | 8.56.C00101 |
| 800  | 330 | 150 | 560  | 266 | 8.56.C00110 |
| 800  | 525 | 200 | 800  | 452 | 8.56.C00111 |
| 800  | 430 | 200 | 800  | 402 | 8.56.C00120 |
| 1015 | 500 | 85  | 1010 | 629 | 8.56.C00130 |
| 1015 | 610 | 85  | 1215 | 695 | 8.56.C00140 |
| 1800 | 825 | 138 | 1500 | -   | 8.56.C00150 |

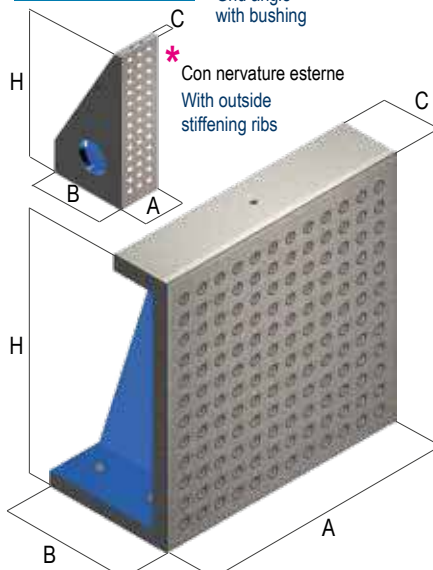
Modelli normalmente presenti a magazzino

• Non sgrassato di fresa

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

**SQUADRE - ANGLES**
**Art. 56E**

Reticolo integrale  
Grid angle

**Art. 56F**

Reticolo con bussole  
Grid angle  
with bushing


Stesse dimensioni dell'Art. 56C / Same dimensions of Art. 56C  
Peso: -5% circa rispetto Art. 56C / Weight: About -5% of Art. 56C

**Specifiche - Specifications**
**Art. 56A**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.  
Pareti con spessore 43-45 mm (Sovrametallo 10 mm)

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

**Art. 56B**

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**

**Art. 56C**

Squadra completamente finita con pareti spessore 38-40 mm circa.

Angle completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa

Set-up, mounting and alignment for each vise

**Art. 56E 40 / 50**

Squadra a reticolo con fori calibrati e filettati integrali - Tolleranza  $\pm 0,02$  mm

- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

Grid angle with calibrated holes and solid threads - Tolerance  $\pm 0,02$  mm

- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

**Art. 56F 40 / 50**

Squadra a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox  
Tolleranza  $\pm 0,02$  mm

- ☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10
- ☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

Grid angle with hardened bushing 100Cr6 and stainless steel helicoils  
Tolerance  $\pm 0,02$  mm

- ☐ Grid pitch 40 mm =  $\varnothing 12$  / M10
- ☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

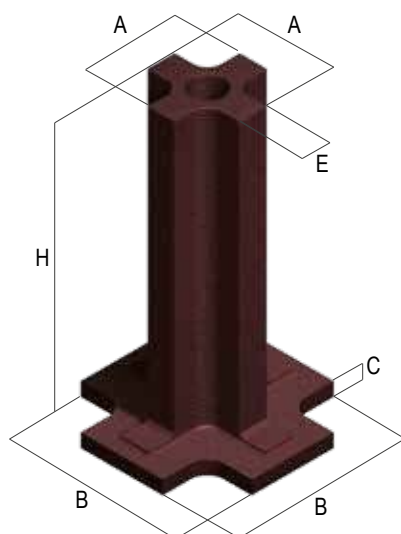
| Art. 56E 40   |  | Art. 56E 50   |  | Art. 56F 40   |  | Art. 56F 50   |  |
|---------------|--|---------------|--|---------------|--|---------------|--|
| Cod.          |  | Cod.          |  | Cod.          |  | Cod.          |  |
| 8.56.E40008   |  | 8.56.E00008   |  | 8.56.F40008   |  | 8.56.F00008   |  |
| 8.56.E40009   |  | 8.56.E00009   |  | 8.56.F40009   |  | 8.56.F00009   |  |
| 8.56.E40010   |  | 8.56.E00010   |  | 8.56.F40010   |  | 8.56.F00010   |  |
| 8.56.E40011   |  | 8.56.E00011   |  | 8.56.F40011   |  | 8.56.F00011   |  |
| * 8.56.E40012 |  | * 8.56.E00012 |  | * 8.56.F40012 |  | * 8.56.F00012 |  |
| 8.56.E40030   |  | 8.56.E00030   |  | 8.56.F40030   |  | 8.56.F00030   |  |
| 8.56.E40031   |  | 8.56.E00031   |  | 8.56.F40031   |  | 8.56.F00031   |  |
| 8.56.E40040   |  | 8.56.E00040   |  | 8.56.F40040   |  | 8.56.F00040   |  |
| 8.56.E40050   |  | 8.56.E00050   |  | 8.56.F40050   |  | 8.56.F00050   |  |
| 8.56.E40051   |  | 8.56.E00051   |  | 8.56.F40051   |  | 8.56.F00051   |  |
| 8.56.E40060   |  | 8.56.E00060   |  | 8.56.F40060   |  | 8.56.F00060   |  |
| 8.56.E40080   |  | 8.56.E00080   |  | 8.56.F40080   |  | 8.56.F00080   |  |
| 8.56.E40100   |  | 8.56.E00100   |  | 8.56.F40100   |  | 8.56.F00100   |  |
| 8.56.E40101   |  | 8.56.E00101   |  | 8.56.F40101   |  | 8.56.F00101   |  |
| 8.56.E40110   |  | 8.56.E00110   |  | 8.56.F40110   |  | 8.56.F00110   |  |
| 8.56.E40111   |  | 8.56.E00111   |  | 8.56.F40111   |  | 8.56.F00111   |  |
| 8.56.E40120   |  | 8.56.E00120   |  | 8.56.F40120   |  | 8.56.F00120   |  |
| 8.56.E40130   |  | 8.56.E00130   |  | 8.56.F40130   |  | 8.56.F00130   |  |
| 8.56.E40140   |  | 8.56.E00140   |  | 8.56.F40140   |  | 8.56.F00140   |  |
| 8.56.E40150   |  | 8.56.E00150   |  | 8.56.F40150   |  | 8.56.F00150   |  |

Usually available immediately

• Not rough milled

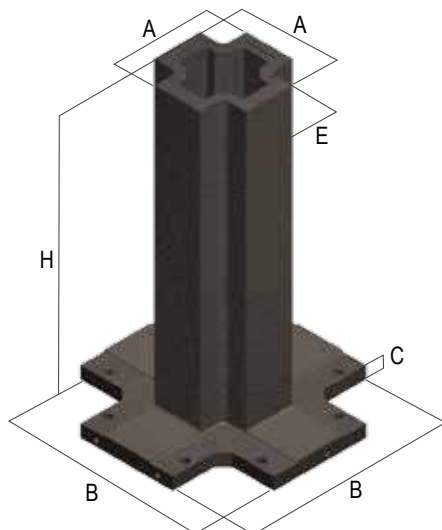
! For different finishing and materials (aluminium), ask for specific quotation

**CUBI A CROCE - CROSS CUBES**
**Art. 57A**

 Sgrossati di fresa  
 Rough milled

 General tolerance  $\pm 2$  mm

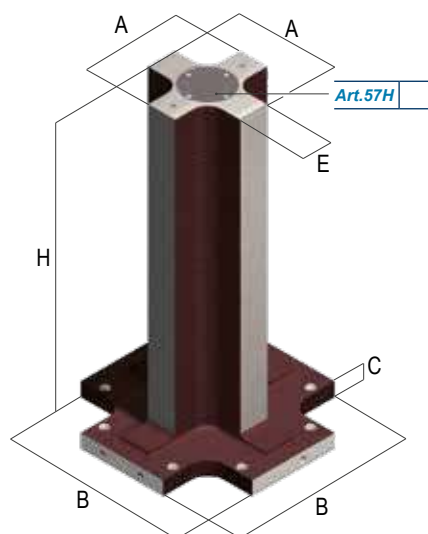
**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |
|-----|-----|----|----|-----|-----|-------------|
| 210 | 510 | 45 | 80 | 760 | 172 | 8.57.A00100 |
| 210 | 510 | 45 | 80 | 660 | 156 | 8.57.A00105 |
| 260 | 510 | 45 | 80 | 760 | 212 | 8.57.A00106 |
| 280 | 510 | 45 | 80 | 860 | 254 | 8.57.A00110 |



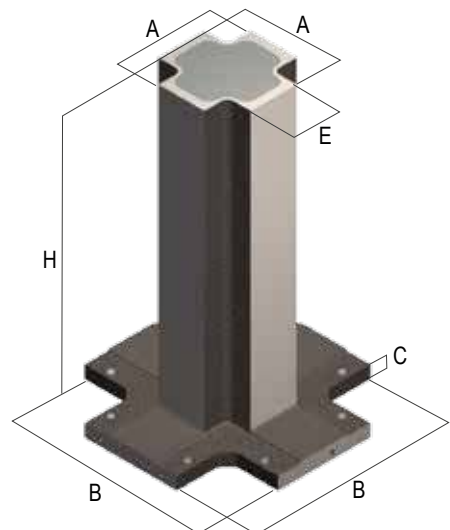
|      |      |    |     |     |      |             |
|------|------|----|-----|-----|------|-------------|
| 240  | 510  | 45 | 110 | 860 | 237  | 8.57.A00120 |
| 310  | 510  | 45 | 150 | 860 | 291  | 8.57.A00130 |
| 310  | 640  | 45 | 150 | 960 | 357  | 8.57.A00140 |
| 380  | 510  | 45 | 200 | 960 | 419  | 8.57.A00145 |
| 410  | 510  | 55 | 100 | 860 | 254  | 8.57.A00150 |
| 1010 | 1260 | 50 | 610 | 910 | 1711 | 8.57.A00250 |

**Art. 57B**

 Base finita  
 Base finished

 General tolerance  $\pm 2$  mm

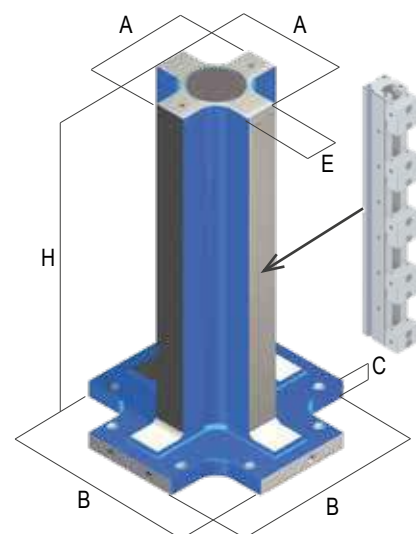
**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |
|-----|-----|----|----|-----|-----|-------------|
| 203 | 500 | 40 | 80 | 750 | 157 | 8.57.B00100 |
| 203 | 500 | 40 | 80 | 650 | 142 | 8.57.B00105 |
| 253 | 500 | 40 | 80 | 750 | 197 | 8.57.B00106 |
| 273 | 500 | 40 | 80 | 850 | 242 | 8.57.B00110 |



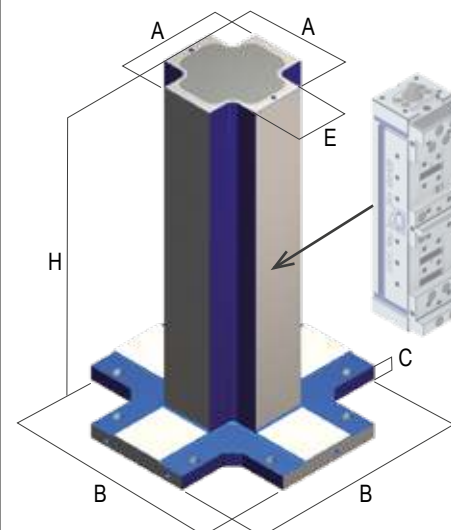
|      |      |    |     |     |      |             |
|------|------|----|-----|-----|------|-------------|
| 233  | 500  | 40 | 110 | 850 | 218  | 8.57.B00120 |
| 303  | 500  | 40 | 150 | 850 | 269  | 8.57.B00130 |
| 303  | 630  | 40 | 150 | 950 | 327  | 8.57.B00140 |
| 373  | 500  | 40 | 200 | 950 | 400  | 8.57.B00145 |
| 403  | 500  | 50 | 100 | 850 | 241  | 8.57.B00150 |
| 1010 | 1250 | 45 | 610 | 900 | 1562 | 8.57.A00250 |

**Art. 57C**

 Completamente lavorati  
 Completely machined

 General tolerance  $\pm 0,02$  mm

**Dimensioni - Dimensions**

| A   | B   | C  | E  | H   | kg  | Cod.        |
|-----|-----|----|----|-----|-----|-------------|
| 200 | 500 | 40 | 80 | 750 | 154 | 8.57.C00100 |
| 200 | 500 | 40 | 80 | 650 | 140 | 8.57.C00105 |
| 250 | 500 | 40 | 80 | 750 | 194 | 8.57.C00106 |
| 270 | 500 | 40 | 80 | 850 | 240 | 8.57.C00110 |



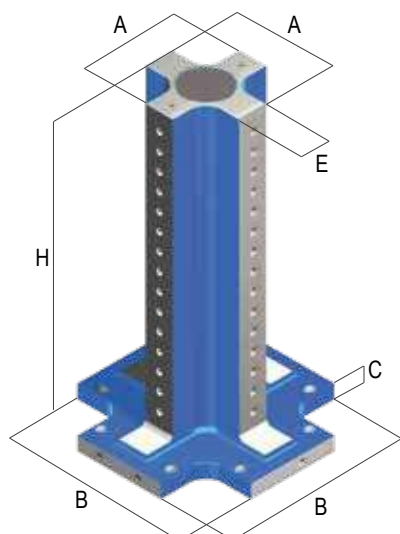
|      |      |    |     |     |      |             |
|------|------|----|-----|-----|------|-------------|
| 230  | 500  | 40 | 110 | 850 | 214  | 8.57.C00120 |
| 300  | 500  | 40 | 150 | 850 | 264  | 8.57.C00130 |
| 300  | 630  | 40 | 150 | 950 | 322  | 8.57.C00140 |
| 370  | 500  | 40 | 200 | 950 | 397  | 8.57.C00145 |
| 400  | 500  | 50 | 100 | 850 | 239  | 8.57.C00150 |
| 1000 | 1250 | 40 | 600 | 900 | 1554 | 8.57.A00250 |

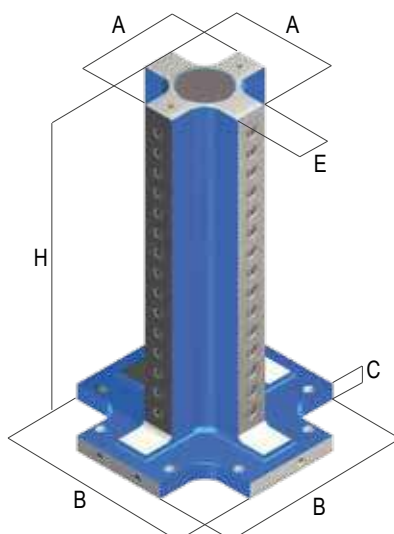
Modelli normalmente presenti a magazzino

• Non sgrassato di fresa

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

**CUBI A CROCE - CROSS CUBES**
**Art. 57E**

Reticolo integrale  
Grid cube

**Art. 57F**

Reticolo con bussole  
Grid cube with bushing


Stesse dimensioni dell'Art. 57C / Same dimensions of Art. 57C  
Peso: -5% circa rispetto Art. 57C / Weight: About -5% of Art. 57C

**Specifiche - Specifications**
**Art. 57A**

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.  
Pareti con spessore 43-45 mm  
(Sovrametallo 10 mm)

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

**Art. 57B**

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.  
**Vedi specifiche a pag. 8.6**

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.  
**See specifications pag. 8.6**

**Art. 57C**

Cubo a croce completamente finito con pareti spessore 38-40 mm circa.  
Crosscube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa  
Set-up, mounting and alignment for each vise

**Art. 57E 40 / 50**

Cubo a croce a reticolo con fori calibrati e filettati integrali - Tolleranza  $\pm 0,02$  mm  
☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10  
☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

Cross cube with calibrated holes and solid threads - Tolerance  $\pm 0,02$  mm  
☐ Grid pitch 40 mm =  $\varnothing 12$  / M10  
☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

**Art. 57F 40 / 50**

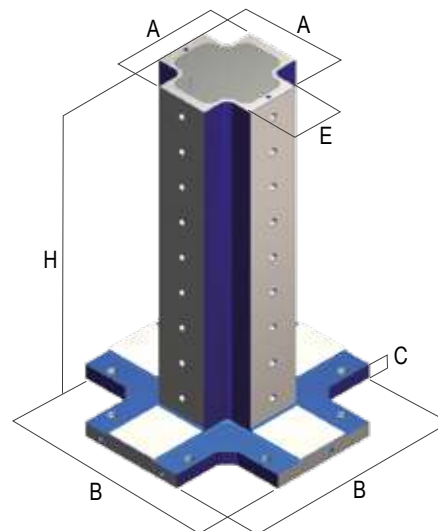
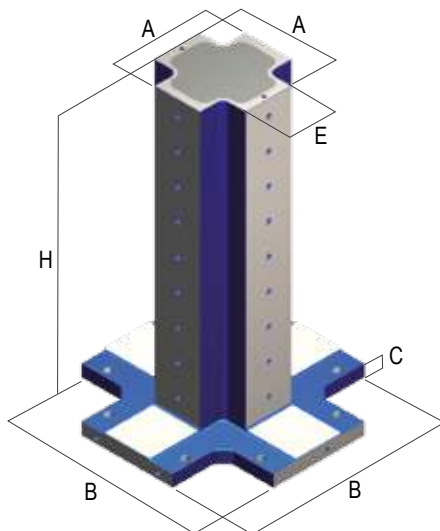
Cubo a croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox  
Tolleranza  $\pm 0,02$  mm  
☐ Interasse reticolo 40 mm =  $\varnothing 12$  / M10  
☐ Interasse reticolo 50 mm =  $\varnothing 16$  / M12

Grid cross cube with hardened bushing 100Cr6 and stainless steel helicoils  
Tolerance  $\pm 0,02$  mm  
☐ Grid pitch 40 mm =  $\varnothing 12$  / M10  
☐ Grid pitch 50 mm =  $\varnothing 16$  / M12

Montaggio ed allineamento di ogni morsa  
Mounting and alignment for each vise

| Art. 57E 40 |  | Art. 57E 50 |  |
|-------------|--|-------------|--|
| Cod.        |  | Cod.        |  |
| 8.57.E40100 |  | 8.57.E00100 |  |
| 8.57.E40105 |  | 8.57.E00105 |  |
| 8.57.E40106 |  | 8.57.E00106 |  |
| 8.57.E40110 |  | 8.57.E00110 |  |

| Art. 57F 40 |  | Art. 57F 50 |  |
|-------------|--|-------------|--|
| Cod.        |  | Cod.        |  |
| 8.57.F40100 |  | 8.57.F00100 |  |
| 8.57.F40105 |  | 8.57.F00105 |  |
| 8.57.F40106 |  | 8.57.F00106 |  |
| 8.57.F40110 |  | 8.57.F00110 |  |



|             |  |             |  |
|-------------|--|-------------|--|
| 8.57.E40120 |  | 8.57.E00120 |  |
| 8.57.E40130 |  | 8.57.E00130 |  |
| 8.57.E40140 |  | 8.57.E00140 |  |
| 8.57.E40145 |  | 8.57.E00145 |  |
| 8.57.E40150 |  | 8.57.E00150 |  |
| -           |  | 8.57.E00250 |  |

|             |  |             |  |
|-------------|--|-------------|--|
| 8.57.F40120 |  | 8.57.F00120 |  |
| 8.57.F40130 |  | 8.57.F00130 |  |
| 8.57.F40140 |  | 8.57.F00140 |  |
| 8.57.F40145 |  | 8.57.F00145 |  |
| 8.57.F40150 |  | 8.57.F00150 |  |
| -           |  | 8.57.E00250 |  |

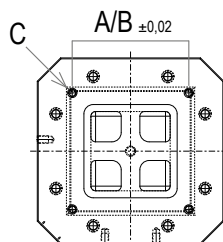
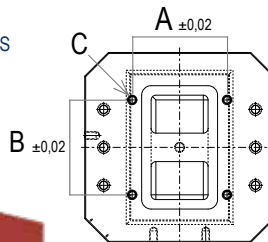
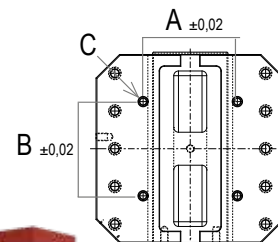
Usually available immediately

• Not rough milled

! For different finishing and materials (aluminium), ask for specific quotation



# INTERFACCIAMENTO CUBI CON SISTEMA ZERO POINT INTERFACE CUBES WITH ZERO POINT SYSTEM

**CUBI**  
**CUBES**

**CUBI RETTANGOLARI**  
**RECTANGULAR CUBES**

**SPALLE**  
**2 SIDES**  
**TOMBSTONES**

**Dimensioni - Dimensions**

| Codice Code | X       | A   | B   | Tirante Pull-stud |
|-------------|---------|-----|-----|-------------------|
| 8.53.X00009 | B C E F | 150 | 150 | T2                |
| 8.53.X00020 | B C E F | 150 | 150 | T2                |
| 8.53.X00030 | B C E F | 250 | 250 | T2                |
| 8.53.X00040 | B C E F | 250 | 250 | T2                |
| 8.53.X00045 | B C E F | 200 | 200 | T2                |
| 8.53.X00050 | B C E F | 250 | 250 | T2                |
| 8.53.X10055 | B C E F | 200 | 200 | T2                |
| 8.53.X00060 | B C E F | 200 | 200 | T2                |
| 8.53.X00070 | B C E F | 250 | 250 | T2                |
| 8.53.X00080 | B C E F | 250 | 250 | T2                |
| 8.53.X00081 | B C E F | 250 | 250 | T2                |
| 8.53.X00082 | B C E F | 250 | 250 | T2                |
| 8.53.X10085 | B C E F | 250 | 250 | T2                |
| 8.53.X00090 | B C E F | 300 | 300 | T2                |
| 8.53.X00100 | B C E F | 250 | 250 | T2                |
| 8.53.X00105 | B C E F | 250 | 250 | T2                |
| 8.53.X10105 | B C E F | 250 | 250 | T2                |
| 8.53.X00106 | B C E F | 250 | 250 | T2                |
| 8.53.X00107 | B C E F | 250 | 250 | T2                |
| 8.53.X00110 | B C E F | 250 | 250 | T2                |
| 8.53.X00111 | B C E F | 250 | 250 | T2                |
| 8.53.X00113 | B C E F | 300 | 300 | T2                |
| 8.53.X00115 | B C E F | 250 | 250 | T2                |
| 8.53.X00120 | B C E F | 300 | 300 | T2                |
| 8.53.X00140 | B C E F | 300 | 300 | T2                |
| 8.53.X00150 | B C E F | 300 | 300 | T2                |
| 8.53.X00160 | B C E F | 300 | 300 | T2                |
| 8.53.X00170 | B C E F | 300 | 300 | T2                |
| 8.53.X00171 | B C E F | 300 | 300 | T2                |
| 8.53.X00172 | B C E F | 300 | 300 | T2                |
| 8.53.X00180 | B C E F | 300 | 300 | T2                |
| 8.53.X00181 | B C E F | 300 | 300 | T2                |
| 8.53.X10182 | B C E F | 200 | 400 | T2                |
| 8.53.X00185 | B C E F | 300 | 300 | T2                |
| 8.53.X10185 | B C E F | 200 | 400 | T2                |
| 8.53.X00190 | B C E F | 200 | 200 | T2                |
| 8.53.X00200 | B C E F | 200 | 200 | T2                |
| 8.53.X10205 | B C E F | 200 | 500 | T2                |
| 8.53.X00211 | B C E F | 500 | 500 | T2                |
| 8.53.X00220 | B C E F | 500 | 500 | T2                |
| 8.53.X00230 | B C E F | 600 | 600 | T2                |
| 8.53.X00235 | B C E F | 600 | 600 | T2                |

**Dimensioni - Dimensions**

| Codice Code | X       | A   | B   | Tirante Pull-stud |
|-------------|---------|-----|-----|-------------------|
| 8.54.X00010 | B C E F | 200 | 200 | T2                |
| 8.54.X00040 | B C E F | 250 | 250 | T2                |
| 8.54.X00070 | B C E F | 200 | 200 | T2                |
| 8.54.X00080 | B C E F | 200 | 200 | T2                |
| 8.54.X00100 | B C E F | 200 | 400 | T2                |
| 8.54.X00110 | B C E F | 400 | 400 | T2                |
| 8.54.X00120 | B C E F | 400 | 400 | T2                |

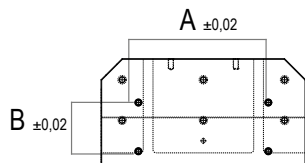
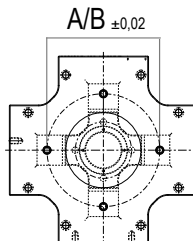
**Dimensioni - Dimensions**

| Codice Code | X       | A   | B   | Tirante Pull-stud |
|-------------|---------|-----|-----|-------------------|
| 8.55.X00010 | B C E F | 150 | -   | T2                |
| 8.55.X00040 | B C E F | 150 | 150 | T2                |
| 8.55.X00044 | B C E F | 150 | 200 | T2                |
| 8.55.X00045 | B C E F | 150 | 200 | T2                |
| 8.55.X10045 | B C E F | 200 | 200 | T2                |
| 8.55.X00050 | B C E F | 150 | 200 | T2                |
| 8.55.X10050 | B C E F | 300 | 300 | T2                |
| 8.55.X00051 | B C E F | 200 | 200 | T2                |
| 8.55.X00052 | B C E F | 250 | 200 | T2                |
| 8.55.X00053 | B C E F | 250 | 250 | T2                |
| 8.55.X10053 | B C E F | 200 | 300 | T2                |
| 8.55.X00054 | B C E F | 300 | 300 | T2                |
| 8.55.X00055 | B C E F | 300 | 300 | T2                |
| 8.55.X00060 | B C E F | 200 | 250 | T2                |
| 8.55.X00070 | B C E F | 200 | 250 | T2                |
| 8.55.X00080 | B C E F | 200 | 300 | T2                |
| 8.55.X10085 | B C E F | 200 | 300 | T2                |
| 8.55.X00090 | B C E F | 200 | 300 | T2                |
| 8.55.X00120 | B C E F | 200 | 250 | T2                |
| 8.55.X00125 | B C E F | 200 | 250 | T2                |
| 8.55.X00150 | B C E F | 200 | 300 | T2                |
| 8.55.X00160 | B C E F | 200 | 300 | T2                |
| 8.55.X00170 | B C E F | 200 | 400 | T2                |
| 8.55.X00171 | B C E F | 300 | 300 | T2                |
| 8.55.X00172 | B C E F | 300 | 300 | T2                |
| 8.55.X10172 | B C E F | 300 | 300 | T2                |
| 8.55.X00173 | B C E F | 300 | 300 | T2                |
| 8.55.X10175 | B C E F | 300 | 300 | T2                |
| 8.55.X00180 | B C E F | 200 | 250 | T2                |
| 8.55.X00190 | B C E F | 300 | 200 | T2                |
| 8.55.X00191 | B C E F | 300 | 300 | T2                |
| 8.55.X00192 | B C E F | 300 | 300 | T2                |
| 8.55.X00230 | B C E F | 300 | 500 | T2                |
| 8.55.X00235 | B C E F | 300 | 500 | T2                |

Modelli leggeri - Light versions

**X:** Interfacciamento Zero-Point valido per tutte le versioni di cubi portapezzi

# INTERFACCIAMENTO CUBI CON SISTEMA ZERO POINT INTERFACE CUBES WITH ZERO POINT SYSTEM

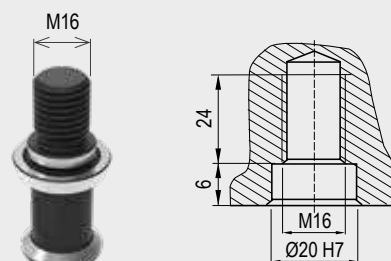
 SQUADRE  
 ANGLES

 CUBI A CROCE  
 CROSS CUBES

**Art. 81X**

 Piastra speciale con  
 Zero-Point disposti a  
 croce.  
 (sempre a richiesta)

 Special plate with Zero  
 Point cross mounted  
 (always on request)

**Tiranti Zero point - Zero point pull-studs**

## TIRANTI TIPO 2 (T2) PULL-STUD TYPE 2 (T2)

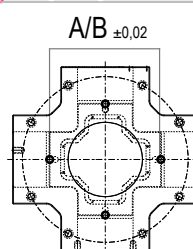
 Perno tirante di centraggio. Filetto maschio  
 Centering pull-stud. Male thread

 Vedi pag. 9.40 - 9.42  
 See pages 9.40 - 9.42

### Dimensioni - Dimensions

| Codice<br>Code | X       | A   | B   | Tirante<br>Pull-stud |
|----------------|---------|-----|-----|----------------------|
| 8.56.X00008    | B C E F | 200 | -   | T2                   |
| 8.56.X00009    | B C E F | 200 | -   | T2                   |
| 8.56.X00010    | B C E F | 200 | -   | T2                   |
| 8.56.X00011    | B C E F | 200 | 200 | T2                   |
| 8.56.X00012    | B C E F | 200 | -   | T2                   |
| 8.56.X00030    | B C E F | 200 | 300 | T2                   |
| 8.56.X00031    | B C E F | 200 | 300 | T2                   |
| 8.56.X00040    | B C E F | 200 | 300 | T2                   |
| 8.56.X00050    | B C E F | 200 | 300 | T2                   |
| 8.56.X00051    | B C E F | 150 | 400 | T2                   |
| 8.56.X00060    | B C E F | 150 | 400 | T2                   |
| 8.56.X00080    | B C E F | 200 | 400 | T2                   |
| 8.56.X00100    | B C E F | 200 | 400 | T2                   |
| 8.56.X00101    | B C E F | 200 | -   | T2                   |
| 8.56.X00110    | B C E F | 200 | 400 | T2                   |
| 8.56.X00111    | B C E F | 200 | 400 | T2                   |
| 8.56.X00120    | B C E F | 200 | 400 | T2                   |
| 8.56.X00130    | B C E F | 300 | 500 | T2                   |
| 8.56.X00140    | B C E F | 300 | 500 | T2                   |
| 8.56.X00150    | B C E F | 300 | 500 | T2                   |

### Dimensioni - Dimensions

| Codice<br>Code | X       | A   | B   | Tirante<br>Pull-stud |
|----------------|---------|-----|-----|----------------------|
| 8.57.X00100    | B C E F | 300 | 300 | T2                   |
| 8.57.X00105    | B C E F | 300 | 300 | T2                   |
| 8.57.X00106    | B C E F | 300 | 300 | T2                   |
| 8.57.X00110    | B C E F | 300 | 300 | T2                   |

 CUBI A CROCE  
 CROSS CUBES

**Art. 81X**

 Piastra speciale con  
 Zero-Point disposti a  
 croce.  
 (sempre a richiesta)

 Special plate with Zero  
 Point cross mounted  
 (always on request)

|             |         |     |     |    |
|-------------|---------|-----|-----|----|
| 8.57.X00120 | B C E F | 300 | 300 | T2 |
| 8.57.X00130 | B C E F | 300 | 300 | T2 |
| 8.57.X00140 | B C E F | 300 | 300 | T2 |
| 8.57.X00145 | B C E F | 300 | 300 | T2 |
| 8.57.X00150 | B C E F | 300 | 300 | T2 |
| 8.57.X00250 | B C E F | 700 | 700 | T2 |

### Versioni disponibili X - Available versions X



#### Versione B Type B

**BASE FINITA - BASE FINISHED**

 Fusione sgrossata con base lavorata  
 e raschiata per pallet a norme  
 Europee o Giapponesi.

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


#### Versione C Type C

**COMPLETAMENTE LAVORATI  
 COMPLETELY FINISHED**

 Cubo completamente finito con pareti  
 spessore 38-40 mm circa.  
 Tolleranza ± 0,02 mm

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


#### Versione E Type E

**RETICOLO INTEGRALE - GRIND CUBE**

 Cubo a reticolo con fori calibrati e filetti  
 integrali nella fusione.  
 Tolleranza ± 0,02 mm

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


#### Versione F Type F

**COMPLETAMENTE LAVORATI  
 COMPLETELY FINISHED**

 Cubo a reticolo con bussole di centraggio  
 in acciaio temprato 100 Cr6 DIN 179C.  
 Filetti riportati in acciaio inox 18/8.  
 Tolleranza 0,02 mm

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

**X:** Zero-Point interfaced available for all types of tombstones

# SISTEMA MODULARE MULTIPLO

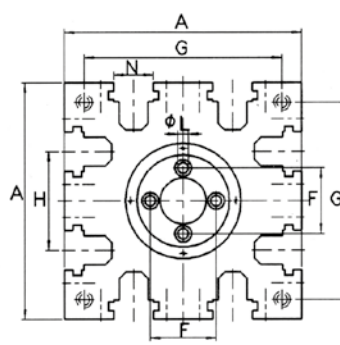
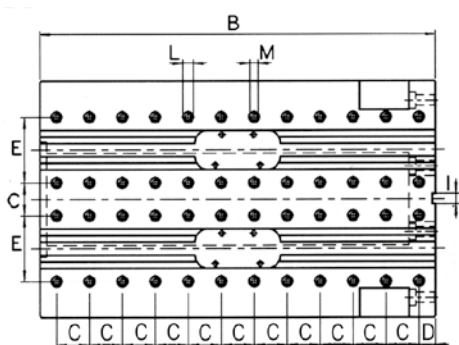
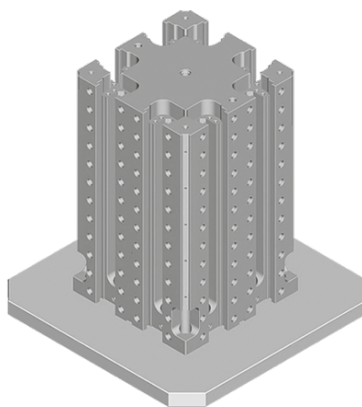
## MULTI-MODULAR SYSTEM

### Dimensioni - Dimensions (mm)

#### Art. 840

Cubo a reticolo - Corpo base  
 In ghisa G600

Grid cube - Base body  
 In cast iron G600



> Non sgrossato di fresa - Not rough milled

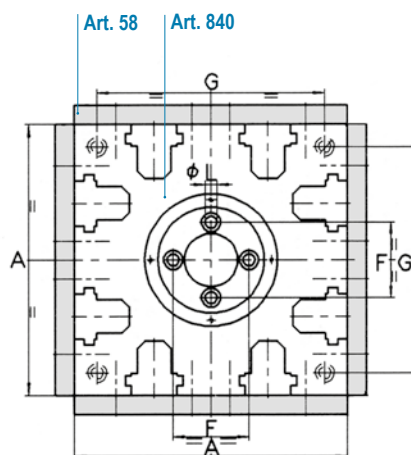
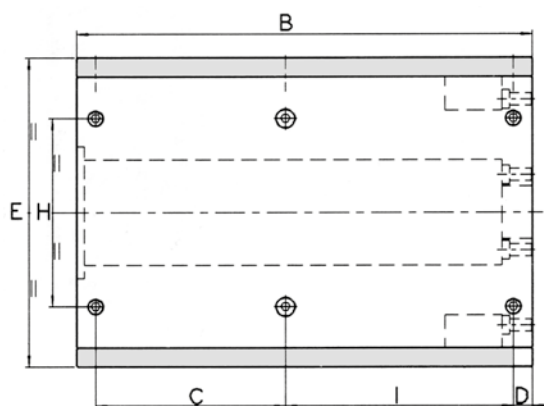
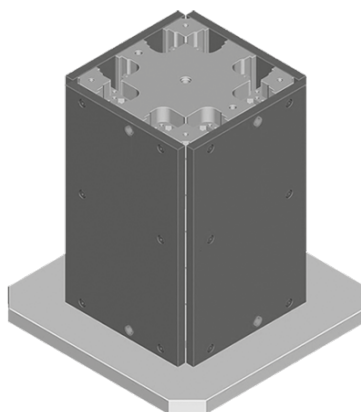
|                    |            |
|--------------------|------------|
| A $\pm 0,02$       | 360        |
| B                  | 600        |
| C $\pm 0,02$       | 50         |
| D $\pm 0,02$       | 25         |
| E $\pm 0,02$       | 100        |
| F $\pm 0,02$       | 100        |
| G $\pm 0,02$       | 300        |
| H                  | 150        |
| I $H7$             | 16         |
| L $F7$             | 16         |
| M                  | M12        |
| N $\pm 0,02$       | 41         |
| Ghisa kg Cast iron | 335        |
| Cod.               | 5.84.03600 |

### Dimensioni - Dimensions (mm)

#### Art. 841

Cubo con piastre riportate

Cube with modular plates



|                    |            |
|--------------------|------------|
| A $\pm 0,02$       | 360        |
| B                  | 600        |
| C $\pm 0,02$       | 250        |
| D $\pm 0,02$       | 25         |
| E $\pm 0,02$       | 410        |
| F $\pm 0,02$       | 100        |
| G $\pm 0,02$       | 300        |
| H                  | 250        |
| I $H7$             | 300        |
| L $F7$             | 16         |
| M                  | M12        |
| N $\pm 0,02$       | 41         |
| Ghisa kg Cast iron | 508        |
| Cod.               | 5.84.13600 |

Ogni cubo è completo di 4 piastre riportate (Art. 58) e 2 coppie di tasselli di posizionamento.

Each cube is supplied with 4 modular plate (Art. 58) and 2 pair of key nuts.

# SISTEMA MODULARE MULTIPLO

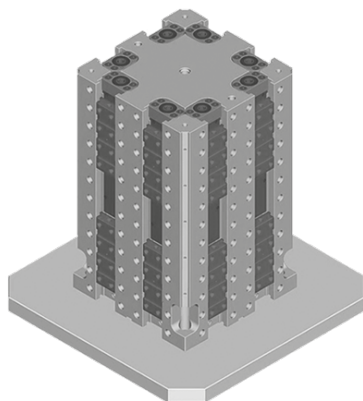
## MULTI-MODULAR SYSTEM

### Dimensioni - Dimensions (mm)

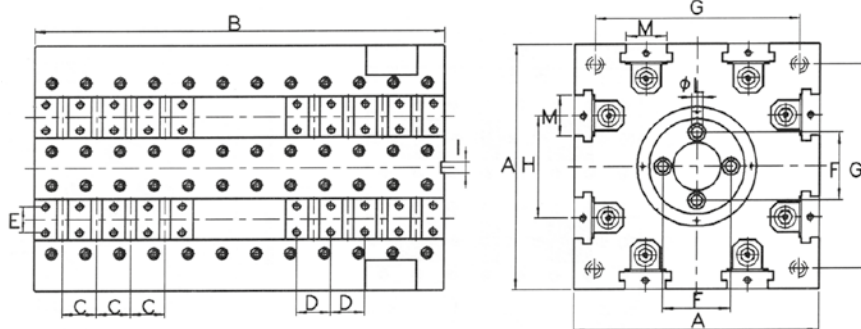
#### Art. 842

Cubo con morse FMS senza ganasce  
per il bloccaggio di 16 pezzi

Cube with FMS vises without jaws for 16  
pcs clamping



| Art.        | Pag. |
|-------------|------|
| <b>822</b>  | 5.53 |
| <b>829A</b> | 5.52 |
| <b>830</b>  | 8.22 |
| <b>850B</b> | 5.61 |
| <b>850C</b> |      |



|                    |            |
|--------------------|------------|
| A $\pm 0,02$       | 360        |
| B                  | 600        |
| C $\pm 0,02$       | 50         |
| D $\pm 0,02$       | 50         |
| E $\pm 0,02$       | 38         |
| F $\pm 0,02$       | 100        |
| G $\pm 0,02$       | 300        |
| H                  | 150        |
| I $H7$             | 16         |
| L $F7$             | 16         |
| M                  | 61         |
| N $\pm 0,02$       | -          |
| Ghisa kg Cast iron | 406        |
| Cod.               | 5.84.23600 |

Ogni cubo è fornito di 8 set completi di tutti i particolari interni di una morsa FMS (pag. 5-21) e di 2 coppie di tasselli di posizionamento

Each cube is supplied of 8 sets of all FMS vise components (pag. 5-21) and 2 pair of key nuts.

#### Art. 842A

Una slitta completa (Art. 822 + Art. 829 + Art. 830)  
One complete slide (Art. 822 + Art. 829 + Art. 830)

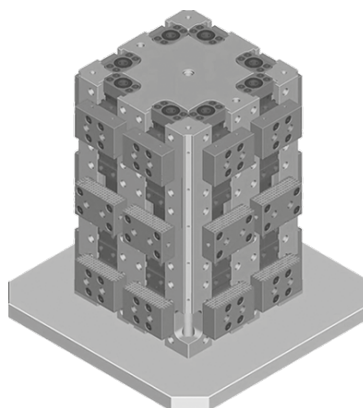
Cod. 5.84.2A360

### Dimensioni - Dimensions (mm)

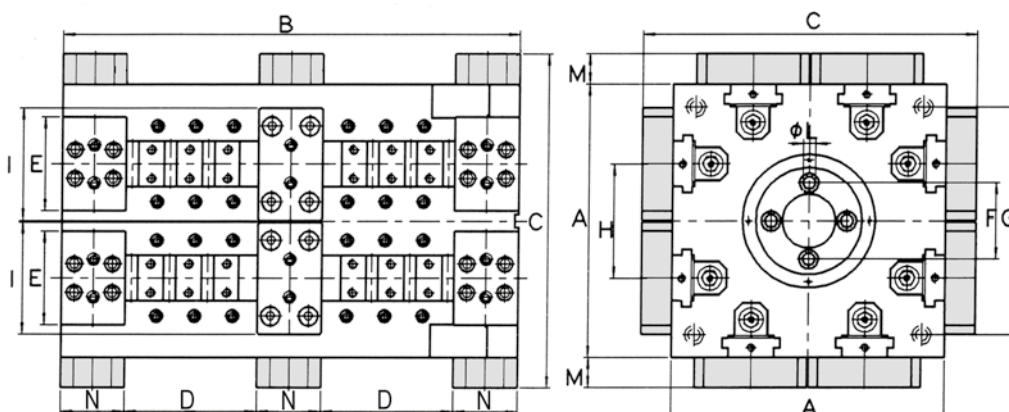
#### Art. 843

Cubo con morse FMS completo di ganasce standard per il bloccaggio di 16 pezzi. (Vedi dettagli a pag. 8.23)

Cube with FMS vises and standard jaws for 16 pcs clamping.  
(See details pag. 8.23)



| Art.        | Page |
|-------------|------|
| <b>810</b>  | 5.56 |
| <b>822</b>  | 5.53 |
| <b>829A</b> | 5.52 |
| <b>830</b>  | 8.22 |
| <b>845</b>  | 8.24 |
| <b>850B</b> | 5.61 |
| <b>850C</b> |      |



|                    |            |
|--------------------|------------|
| A $\pm 0,02$       | 360        |
| B                  | 600        |
| C $\pm 0,02$       | 440        |
| D $\pm 0,02$       | 174        |
| E $\pm 0,02$       | 124        |
| F $\pm 0,02$       | 100        |
| G $\pm 0,02$       | 300        |
| H                  | 150        |
| I $H7$             | 148        |
| L $F7$             | 16         |
| M                  | 40         |
| N $\pm 0,02$       | 84         |
| Ghisa kg Cast iron | 454        |
| Cod.               | 5.84.33600 |

Ogni cubo è completo di 8 ganasce fisse (Art.845) e 16 ganasce mobili (Art. 810), 1 chiave a pipa, tasselli di posizionamento e 16 arresti laterali.

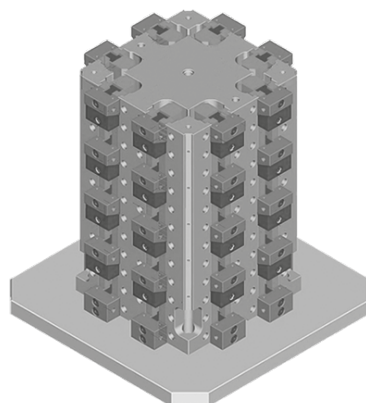
Each cube is supplied of 8 fixed jaw (Art. 845) and 16 movable jaw (Art. 810), 1 box wrench, one pair of key nuts and 16 workstop.



**Dimensioni - Dimensions (mm)**
**Art. 844**

Cubo con morse Multiflex  
per il bloccaggio  
di 32 pezzi e oltre

Cube with Multiflex vises  
for clamping 32 pcs.  
and over


**Art. Page**

**840** 8.22

**604** 6.32

**605** 6.33

A  $\pm 0,02$  360

B 600

C  $\pm 0,02$  75

D  $\pm 0,02$  50

E  $\pm 0,02$  70 / 75

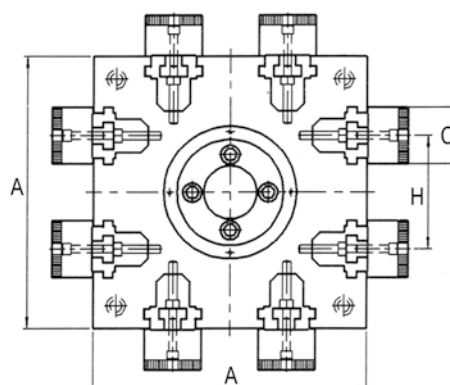
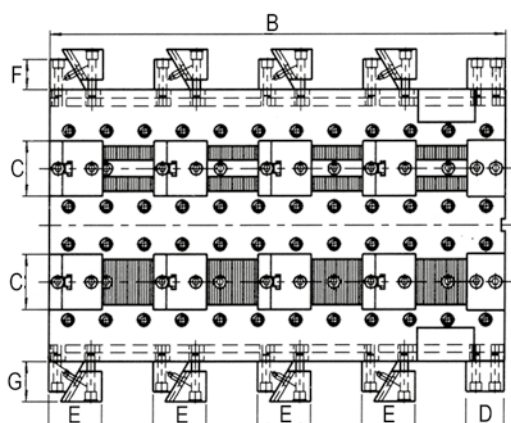
F  $\pm 0,02$  40

G  $\pm 0,02$  40 / 33

H 150

Ghisa / Cast iron kg 476

Cod. 5.84.43600



Ogni cubo è completo di 8 ganasce fisse  
e 32 ganasce fisse-mobili, 1 chiave a  
"T", tasselli di posizionamento e 32 arresti  
lateral.

Each cube is supplied of 8 fixed jaw and  
32 fixed-movable jaw, 1 "T" wrench, one  
pair of key nuts and 32 workshop.

**Art. 844A**

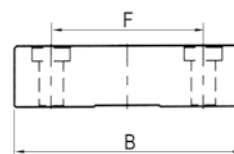
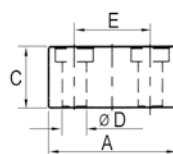
Una slitta completa (**Art. 846 + Art. 604 + Art. 605**)

One complete slide (**Art. 846 + Art. 604 + Art. 605**)

Cod. 5.84.4A360

**ACCESSORI - ACCESSORIES**
**Dimensioni - Dimensions (mm)**
**Art. 845**

Ganascia fissa per cubo morse FMS (**Art. 843**)  
Fixed jaw for FMS vise cube (**Art. 843**)



A  $\pm 0,02$  84

B 148

C  $\pm 0,02$  140

D  $F7$  16

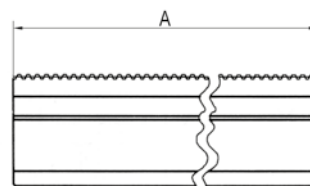
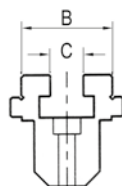
E 50

F 100

Cod. 5.84.53600

**Art. 846**

Guida integrale per cubo MULTIFLEX  
Solid guide for MULTIFLEX cube

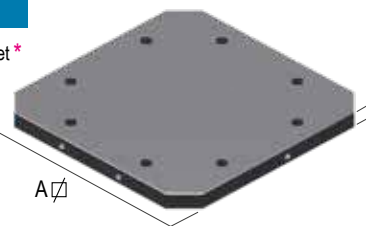
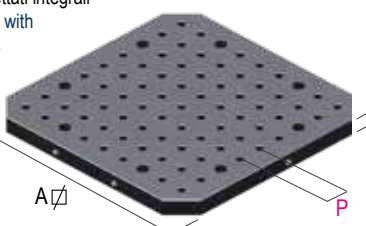
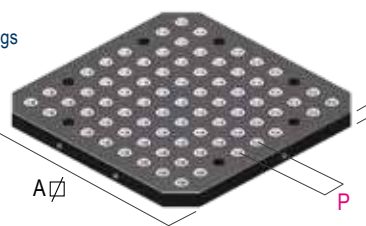
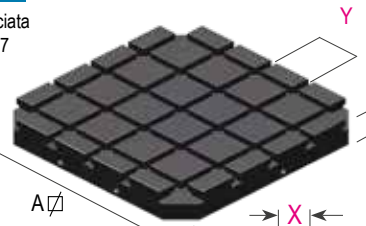
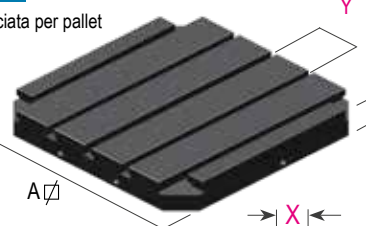


A  $\pm 0,02$  600

B  $\pm 0,02$  61

C  $\pm 0,02$  22

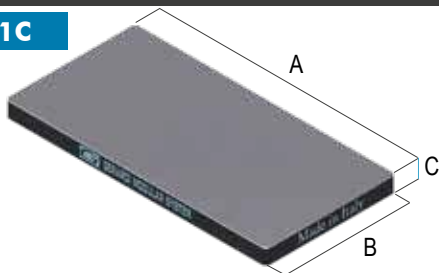
Cod. 5.84.63600

| SOVRATAVOLE QUADRATE / SQUARE BASE PLATES                                                                                                                                                                                    |  |  |  | ACCIAIO - STEEL METAL Fe420                                                                                                                                                                   |    |     | ALLUMINIO / ALUMINUM AL5083 |                             |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|-----------------------------|-----------------------------|--------------|
| Dimensioni - Dimensions (mm)                                                                                                                                                                                                 |  |  |  | A                                                                                                                                                                                             | C  | Kg  | Cod.                        |                             |              |
| <b>Art. 60C</b>                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             |                             |              |
| Piastra base per pallet*<br>liscia interfacciata.<br>Piani rettificati<br>Tailor made<br>smooth pallet*<br>base plate.<br>Two faces ground                                                                                   |  |  |  |                                                                                                              |    |     |                             |                             |              |
|                                                                                                                                                                                                                              |  |  |  | 400                                                                                                                                                                                           | 38 | 45  | 8.60.C40404S                | 16                          | 8.60.C40404A |
|                                                                                                                                                                                                                              |  |  |  | 500                                                                                                                                                                                           | 38 | 70  | 8.60.C50504S                | 25                          | 8.60.C50504A |
|                                                                                                                                                                                                                              |  |  |  | 630                                                                                                                                                                                           | 38 | 115 | 8.60.C63634S                | 41                          | 8.60.C63634A |
|                                                                                                                                                                                                                              |  |  |  | 800                                                                                                                                                                                           | 38 | 180 | 8.60.C80804S                | 65                          | 8.60.C80804A |
| <b>Art. 60E</b>                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             |                             |              |
| Piastra base a reticolo<br>interfacciata per pallet<br>con fori calibrati e filettati integrali<br>Tailor made grid type with<br>solid calibrated holes<br>and threads                                                       |  |  |  |                                                                                                              |    |     |                             |                             |              |
|                                                                                                                                                                                                                              |  |  |  | A                                                                                                                                                                                             | C  | Kg  | Cod.                        | P = 40                      | P = 50       |
|                                                                                                                                                                                                                              |  |  |  | 400                                                                                                                                                                                           | 48 | 55  | 8.60.E40400S                | 20                          | 8.60.E40400A |
|                                                                                                                                                                                                                              |  |  |  | 500                                                                                                                                                                                           | 48 | 85  | 8.60.E50500S                | 31                          | 8.60.E50500A |
|                                                                                                                                                                                                                              |  |  |  | 630                                                                                                                                                                                           | 48 | 135 | 8.60.E63630S                | 49                          | 8.60.E63630A |
|                                                                                                                                                                                                                              |  |  |  | 800                                                                                                                                                                                           | 48 | 240 | 8.60.E80800S                | 86                          | 8.60.E80800A |
| P = Passo 40 o 50mm Pitch 40 or 50mm                                                                                                                                                                                         |  |  |  | Tolleranza ± 0,02 mm, □ Interasse reticolo 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12<br>Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12 |    |     |                             |                             |              |
| <b>Art. 60F</b>                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             |                             |              |
| Piastra base a reticolo interfacciata<br>per pallet con bussole di centraggio<br>temprate 100Cr6 e filetti riportati in acciaio inox<br>Tailor made grid type<br>with hardened bushings<br>100Cr6 and<br>inox steel elicoils |  |  |  |                                                                                                            |    |     |                             |                             |              |
|                                                                                                                                                                                                                              |  |  |  | A                                                                                                                                                                                             | C  | Kg  | Cod.                        | P = 40                      | P = 50       |
|                                                                                                                                                                                                                              |  |  |  | 400                                                                                                                                                                                           | 48 | 55  | 8.60.F40400S                | 20                          | 8.60.F40400A |
|                                                                                                                                                                                                                              |  |  |  | 500                                                                                                                                                                                           | 48 | 85  | 8.60.F50500S                | 31                          | 8.60.F50500A |
|                                                                                                                                                                                                                              |  |  |  | 630                                                                                                                                                                                           | 48 | 135 | 8.60.F63630S                | 49                          | 8.60.F63630A |
|                                                                                                                                                                                                                              |  |  |  | 800                                                                                                                                                                                           | 48 | 240 | 8.60.F80800S                | 86                          | 8.60.F80800A |
| P = Passo 40 o 50mm / Pitch 40 or 50mm                                                                                                                                                                                       |  |  |  | Tolleranza ± 0,02 mm, □ Interasse reticolo 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12<br>Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12 |    |     |                             |                             |              |
| <b>Art. 60G</b>                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             |                             |              |
| Piastra base interfacciata<br>per pallet con cave H7<br>Tailor made<br>with H7 T-slots                                                                                                                                       |  |  |  |                                                                                                            |    |     |                             |                             |              |
| In caso di ordine specificare le quote X e Y<br>Order must include X and Y dimensions                                                                                                                                        |  |  |  | A                                                                                                                                                                                             | C  | X   | Y                           | ACCIAIO - STEEL METAL Fe420 |              |
|                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             | Kg                          | Cod.         |
|                                                                                                                                                                                                                              |  |  |  | 400                                                                                                                                                                                           | 73 | 16  | 100                         | 75                          | 8.60.G40400S |
|                                                                                                                                                                                                                              |  |  |  | 500                                                                                                                                                                                           | 73 | 16  | 100                         | 110                         | 8.60.G50500S |
|                                                                                                                                                                                                                              |  |  |  | 630                                                                                                                                                                                           | 73 | 16  | 100                         | 200                         | 8.60.G63630S |
|                                                                                                                                                                                                                              |  |  |  | 800                                                                                                                                                                                           | 73 | 16  | 100                         | 285                         | 8.60.G80800S |
| <b>Art. 60H</b>                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             |                             |              |
| Piastra base interfacciata per pallet<br>con cave parallele<br>Tailor made with<br>parallel slots                                                                                                                            |  |  |  |                                                                                                            |    |     |                             |                             |              |
| In caso di ordine specificare le quote X e Y<br>Order must include X and Y dimensions                                                                                                                                        |  |  |  | A                                                                                                                                                                                             | C  | X   | Y                           | ACCIAIO - STEEL METAL Fe420 |              |
|                                                                                                                                                                                                                              |  |  |  |                                                                                                                                                                                               |    |     |                             | Kg                          | Cod.         |
|                                                                                                                                                                                                                              |  |  |  | 400                                                                                                                                                                                           | 73 | 16  | 100                         | 80                          | 8.60.H40400S |
|                                                                                                                                                                                                                              |  |  |  | 500                                                                                                                                                                                           | 73 | 16  | 100                         | 115                         | 8.60.H50500S |
|                                                                                                                                                                                                                              |  |  |  | 630                                                                                                                                                                                           | 73 | 16  | 100                         | 205                         | 8.60.H63630S |
|                                                                                                                                                                                                                              |  |  |  | 800                                                                                                                                                                                           | 73 | 16  | 100                         | 290                         | 8.60.H80800S |

! Per lavorazioni o materiali diversi (ghisa), richiedere quotazione specifica  
 For different finishing and materials (cast iron), ask for specific quotation

**SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE**
**Dimensioni - Dimensions (mm)**
**Art. 61C**

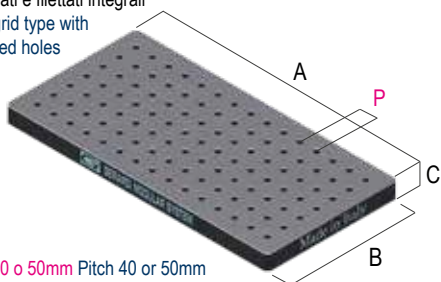
Piastra base liscia interfacciata. Piani rettificati Smooth base plate. Faces ground



|      |     |    | <b>ACCIAIO - STEEL METAL Fe420</b> |              |  | <b>ALLUMINIO / ALUMINUM AL5083</b> |              |  |
|------|-----|----|------------------------------------|--------------|--|------------------------------------|--------------|--|
| A    | B   | C  | Kg                                 | Cod.         |  | Kg                                 | Cod.         |  |
| 600  | 400 | 38 | 71                                 | 8.61.C40600S |  | 26                                 | 8.61.C40600A |  |
| 600  | 500 | 38 | 89                                 | 8.61.C50600S |  | 32                                 | 8.61.C50600A |  |
| 800  | 400 | 38 | 95                                 | 8.61.C40800S |  | 34                                 | 8.61.C40800A |  |
| 900  | 450 | 38 | 120                                | 8.61.C45900S |  | 43                                 | 8.61.C45900A |  |
| 1000 | 500 | 38 | 149                                | 8.61.C50100S |  | 54                                 | 8.61.C50100A |  |

**Art. 61E**

Piastra base a reticolo interfacciata per pallet con fori calibrati e filettati integrali Tailor made grid type with solid calibrated holes and threads



P = Passo 40 o 50mm Pitch 40 or 50mm

| A    | B   | C  | Kg  | Cod.         | P = 50 | Kg | Cod.         | P = 50 |
|------|-----|----|-----|--------------|--------|----|--------------|--------|
| 600  | 400 | 38 | 90  | 8.61.E40600S |        | 32 | 8.61.E40600A |        |
| 600  | 500 | 38 | 112 | 8.61.E50600S |        | 40 | 8.61.E50600A |        |
| 800  | 400 | 38 | 119 | 8.61.E40800S |        | 43 | 8.61.E40800A |        |
| 900  | 450 | 38 | 150 | 8.61.E45900S |        | 54 | 8.61.E45900A |        |
| 1000 | 500 | 38 | 188 | 8.61.E50100S |        | 68 | 8.61.E50100A |        |

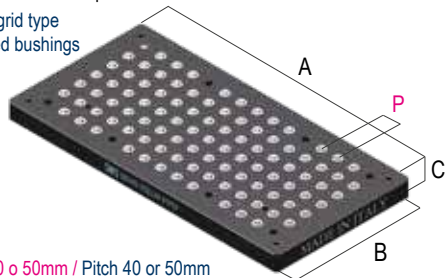
Tolleranza  $\pm 0,02$  mm,  $\square$  Interasse reticolo 40mm =  $\emptyset 12$  / M10 -  $\square$  Interasse reticolo 50mm =  $\emptyset 16$  / M12

Tolerance  $\pm 0,02$  mm,  $\square$  Grid pitch 40mm =  $\emptyset 12$  / M10 -  $\square$  Grid pitch 50mm =  $\emptyset 16$  / M12

**Art. 61F**

Piastra base a reticolo interfacciata per pallet con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox

Tailor made grid type with hardened bushings 100Cr6 and inox steel elicoils



P = Passo 40 o 50mm / Pitch 40 or 50mm

| A    | B   | C  | Kg  | Cod.         | P = 50 | Kg | Cod.         | P = 50 |
|------|-----|----|-----|--------------|--------|----|--------------|--------|
| 600  | 400 | 38 | 87  | 8.61.F40600S |        | 32 | 8.61.F40600A |        |
| 600  | 500 | 38 | 109 | 8.61.F50600S |        | 40 | 8.61.F50600A |        |
| 800  | 400 | 38 | 117 | 8.61.F40800S |        | 43 | 8.61.F40800A |        |
| 900  | 450 | 38 | 147 | 8.61.F45900S |        | 54 | 8.61.F45900A |        |
| 1000 | 500 | 38 | 185 | 8.61.F50100S |        | 68 | 8.61.F50100A |        |

Tolleranza  $\pm 0,02$  mm,  $\square$  Interasse reticolo 40mm =  $\emptyset 12$  / M10 -  $\square$  Interasse reticolo 50mm =  $\emptyset 16$  / M12

Tolerance  $\pm 0,02$  mm,  $\square$  Grid pitch 40mm =  $\emptyset 12$  / M10 -  $\square$  Grid pitch 50mm =  $\emptyset 16$  / M12

**Art. 61G**

Piastra base interfacciata per pallet con cave H7 Tailor made with H7 T-slots



In caso di ordine specificare le quote X e Y Order must include X and Y dimensions

| <b>ACCIAIO - STEEL METAL Fe420</b> |     |    |    |     |              |
|------------------------------------|-----|----|----|-----|--------------|
| A                                  | B   | C  | X  | Kg  | Cod.         |
| 600                                | 400 | 73 | 16 | 117 | 8.61.G40600S |
| 600                                | 500 | 73 | 16 | 150 | 8.61.G50600S |
| 800                                | 400 | 73 | 16 | 160 | 8.61.G40800S |
| 900                                | 450 | 73 | 16 | 207 | 8.61.G45900S |
| 1000                               | 500 | 73 | 16 | 232 | 8.61.G50100S |

**Art. 61H**

Piastra base interfacciata per pallet con cave parallele Tailor made with parallel slots



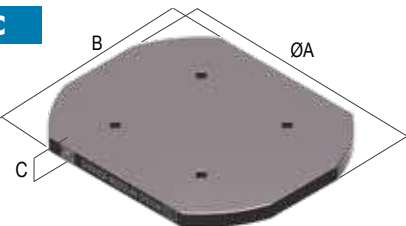
In caso di ordine specificare le quote X e Y Order must include X and Y dimensions

| <b>ACCIAIO - STEEL METAL Fe420</b> |     |    |    |     |              |
|------------------------------------|-----|----|----|-----|--------------|
| A                                  | B   | C  | X  | Kg  | Cod.         |
| 600                                | 400 | 73 | 16 | 122 | 8.61.H40600S |
| 600                                | 500 | 73 | 16 | 155 | 8.61.H50600S |
| 800                                | 400 | 73 | 16 | 165 | 8.61.H40800S |
| 900                                | 450 | 73 | 16 | 212 | 8.61.H45900S |
| 1000                               | 500 | 73 | 16 | 237 | 8.61.H50100S |

! Per lavorazioni o materiali diversi (ghisa), richiedere quotazione specifica For different finishing and materials (cast iron), ask for specific quotation

**SOVRATAVOLA TONDA / ROUNDED BASE**
**Dimensioni - Dimensions (mm)**
**Art. 62C**

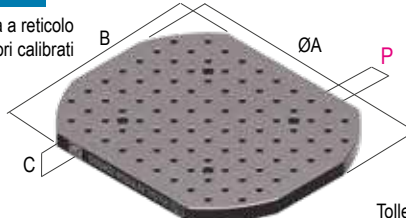
Piastra base tonda liscia interfacciata. Piani rettificati  
Rounded smooth base plate. Faces ground



|     |     |    | <b>ACCIAIO - STEEL METAL Fe420</b> |             |  | <b>ALLUMINIO / ALUMINUM AL5083</b> |             |  |
|-----|-----|----|------------------------------------|-------------|--|------------------------------------|-------------|--|
| ØA  | B   | C  | Kg                                 | Cod.        |  | Kg                                 | Cod.        |  |
| 400 | 320 | 38 | 37                                 | 8.62.C4032S |  | 13                                 | 8.62.C4032A |  |
| 500 | 400 | 38 | 58                                 | 8.62.C5040S |  | 21                                 | 8.62.C5040A |  |
| 630 | 500 | 38 | 93                                 | 8.62.C6350S |  | 33                                 | 8.62.C6350A |  |
| 800 | 630 | 38 | -                                  | 8.62.C8063S |  | -                                  | 8.62.C8063A |  |

**Art. 62E**

Piastra base tonda a reticolo interfacciata con fori calibrati e filettati integrali  
Rounded base plate with solid calibrated holes and threads

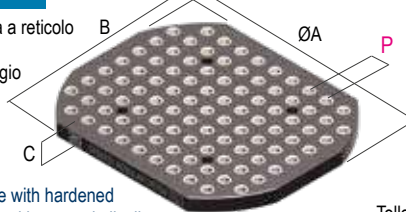


| ØA  | B   | C  | Kg  | Cod.        | P = 50 | Kg | Cod.        | P = 50 |
|-----|-----|----|-----|-------------|--------|----|-------------|--------|
| 400 | 320 | 38 | 37  | 8.62.E4032S |        | 13 | 8.62.E4032A |        |
| 500 | 400 | 38 | 58  | 8.62.E5040S |        | 21 | 8.62.E5040A |        |
| 630 | 500 | 38 | 93  | 8.62.E6350S |        | 33 | 8.62.E6350A |        |
| 800 | 630 | 38 | 150 | 8.62.E8063S |        | -  | 8.62.E8063A |        |

Tolleranza  $\pm 0,02$  mm, □ Interasse reticolo 50mm = Ø 16 / M12 Tolerance  $\pm 0,02$  mm, □ Grid pitch 50mm = Ø 16 / M12

**Art. 62F**

Piastra base tonda a reticolo interfacciata con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox  
Grid type pallet rounded base plate with hardened bushings 100Cr6 and inox steel elicoils

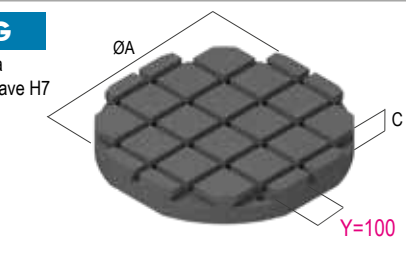
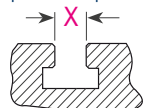


| ØA  | B   | C  | Kg | Cod.        | P = 50 | Kg | Cod.        | P = 50 |
|-----|-----|----|----|-------------|--------|----|-------------|--------|
| 400 | 320 | 38 | -  | 8.62.F4032S |        | -  | 8.61.F4032A |        |
| 500 | 400 | 38 | -  | 8.62.F5040S |        | -  | 8.62.F5040A |        |
| 630 | 500 | 38 | -  | 8.62.F6350S |        | -  | 8.62.F6350A |        |
| 800 | 630 | 38 | -  | 8.62.F8063S |        | -  | 8.62.F8063A |        |

Tolleranza  $\pm 0,02$  mm, □ Interasse reticolo 50mm = Ø 16 / M12 Tolerance  $\pm 0,02$  mm, □ Grid pitch 50mm = Ø 16 / M12

**Art. 62G**

Piastra base tonda interfacciata con cave H7  
H7 T-slots round pallet base plate

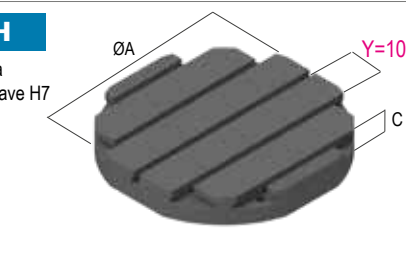
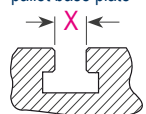


|     |    |    | <b>ACCIAIO - STEEL METAL Fe420</b> |  |  |
|-----|----|----|------------------------------------|--|--|
| ØA  | C  | Kg | Cod.                               |  |  |
| 400 | 73 | -  | 8.62.G4032S                        |  |  |
| 500 | 73 | -  | 8.62.G5040S                        |  |  |
| 630 | 73 | -  | 8.62.G6350S                        |  |  |
| 800 | 73 | -  | 8.62.G8063S                        |  |  |

In caso di ordine specificare le quote X e Y - Order must include X and Y dimensions

**Art. 62H**

Piastra base tonda interfacciata con cave H7  
H7 T-slots round pallet base plate



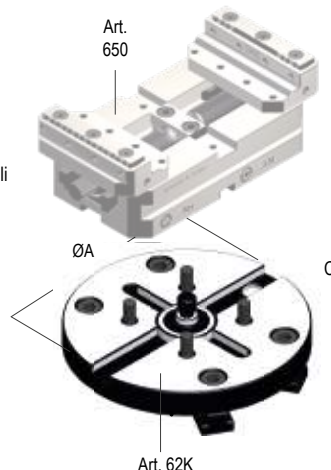
|     |    |    | <b>ACCIAIO - STEEL METAL Fe420</b> |  |  |
|-----|----|----|------------------------------------|--|--|
| ØA  | C  | Kg | Cod.                               |  |  |
| 400 | 73 | -  | 8.62.H4032S                        |  |  |
| 500 | 73 | -  | 8.62.H5040S                        |  |  |
| 630 | 73 | -  | 8.62.H6350S                        |  |  |
| 800 | 73 | -  | 8.62.H8063S                        |  |  |

In caso di ordine specificare le quote X e Y - Order must include X and Y dimensions

**KIT PIASTRE DI INTERFACCIA TONDE PER TAVOLE ROTANTI**  
**INTERFACED PLATES KIT FOR ROTARY TABLE**
**NEW 2021**
**Art. 62K\***

Kit piastra base tonda interfacciata per tavole rotanti, con cave H7 disponibili per i più importanti costruttori di macchine utensili

Round shaped base plate kit interfaced for rotary tables with H7 key ways. Available for most important machining centers manufacturers.

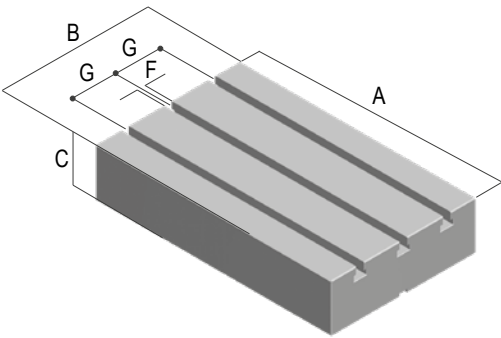


|     |    |    | <b>ACCIAIO - STEEL METAL Fe420</b> |  |  | <b>ALLUMINIO / ALUMINUM AL5083</b> |             |  |
|-----|----|----|------------------------------------|--|--|------------------------------------|-------------|--|
| ØA  | C  | Kg | Cod.                               |  |  | Kg                                 | Cod.        |  |
| 160 | 19 | -  | 8.62.K1616S                        |  |  | -                                  | 8.62.K1616A |  |
| 210 | 19 | -  | 8.62.K2121S                        |  |  | -                                  | 8.62.K2121A |  |
| 310 | 19 | -  | 8.62.K3131S                        |  |  | -                                  | 8.62.K3131A |  |

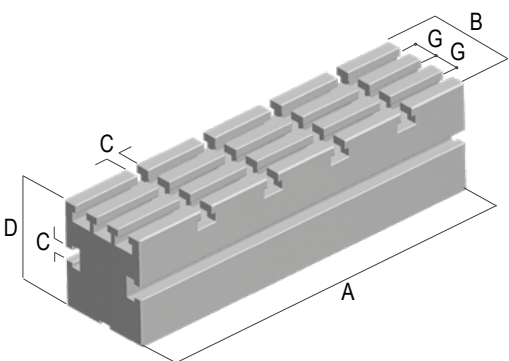
\* In fase d'ordine specificare costruttore - modello di macchina (fornire disegno) e tipo di morsa  
Specify the manufacturer, the machining center model (send us the drawing) and the type of vise needed when placing the order.

Kit per montaggio e allineamento incluso - Kit for mounting and alignment included



| SOVRATAVOLA - BASE PLATES                                                                                                                              |      |     |    |    |     | ACCIAIO - STEEL METAL Fe420 |                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----|----|-----|-----------------------------|-----------------|--|
| Dimensioni - Dimensions (mm)                                                                                                                           | A    | B   | C  | F  | G   | Kg                          | Cod.            |  |
| <b>Art. 86G</b><br>Piastra base con cave H7<br>H7 T-slots base plate  | 420  | 230 | 98 | 16 | 70  | 75                          | 8.86.G230420A   |  |
|                                                                                                                                                        | 490  | 300 | 98 | 16 | 100 | 105                         | 8.86.G300490A   |  |
|                                                                                                                                                        | 630  | 370 | 98 | 16 | 100 | 170                         | 8.86.G370630A   |  |
|                                                                                                                                                        | 630  | 630 | 98 | 16 | 100 | 290                         | 8.86.G630630A   |  |
|                                                                                                                                                        | 800  | 550 | 98 | 16 | 100 | 320                         | 8.86.G550800A*  |  |
|                                                                                                                                                        | 800  | 800 | 98 | 16 | 100 | 480                         | 8.86.G800800A   |  |
|                                                                                                                                                        | 900  | 410 | 98 | 16 | 100 | 280                         | 8.86.G410900A*  |  |
|                                                                                                                                                        | 900  | 460 | 98 | 16 | 100 | 310                         | 8.86.G460900A*  |  |
|                                                                                                                                                        | 1000 | 550 | 98 | 16 | 100 | 410                         | 8.86.G5501000A  |  |
|                                                                                                                                                        | 1200 | 550 | 98 | 16 | 100 | 502                         | 8.86.G5501200A  |  |
|                                                                                                                                                        | 1240 | 550 | 98 | 16 | 100 | 518                         | 8.86.G5501240A* |  |
|                                                                                                                                                        | 1740 | 750 | 98 | 16 | 100 | 960                         | 8.86.G7501740A* |  |
|                                                                                                                                                        | 900  | 400 | 68 | 16 | 100 | 201                         | 8.86.G400900A*  |  |
|                                                                                                                                                        | 1000 | 400 | 68 | 16 | 100 | 224                         | 8.86.G4001000A* |  |
|                                                                                                                                                        | 1100 | 400 | 68 | 16 | 100 | 245                         | 8.86.G4001100A* |  |
|                                                                                                                                                        | 1200 | 380 | 78 | 16 | 100 | 262                         | 8.86.G3801200A* |  |
|                                                                                                                                                        | 1600 | 380 | 78 | 16 | 100 | 389                         | 8.86.G3801600A* |  |
|                                                                                                                                                        | 2000 | 380 | 78 | 16 | 100 | 437                         | 8.86.G3802000A* |  |
|                                                                                                                                                        | 800  | 500 | 68 | 16 | 100 | 224                         | 8.86.G500800A*  |  |
|                                                                                                                                                        | 900  | 500 | 68 | 16 | 100 | 252                         | 8.86.G500900A*  |  |
|                                                                                                                                                        | 1000 | 500 | 68 | 16 | 100 | 280                         | 8.86.G5001000A* |  |
|                                                                                                                                                        | 1100 | 500 | 68 | 16 | 100 | 308                         | 8.86.G5001100A* |  |
|                                                                                                                                                        | 1200 | 500 | 68 | 16 | 100 | 336                         | 8.86.G5001200A* |  |
|                                                                                                                                                        | 1400 | 500 | 68 | 16 | 100 | 392                         | 8.86.G5001400A* |  |

\* Misure disponibili a richiesta - Sizes available on request

| SOVRATAVOLA - BASE PLATES                                                                                                                                                               |      |     |      |     |    | ACCIAIO - STEEL METAL Fe420 |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|----|-----------------------------|--------------|--|
| Dimensioni - Dimensions (mm)                                                                                                                                                            | A    | B   | C H7 | D   | G  | Kg                          | Cod.         |  |
| <b>Art. 94</b><br>Supporto base con cave H7 temprato<br>H7 T-slots support base plate case hardened  | 400  | 125 | 14   | 140 | 50 | 46                          | 8.94.400125  |  |
|                                                                                                                                                                                         | 600  | 125 | 14   | 140 | 50 | 68                          | 8.94.600125  |  |
|                                                                                                                                                                                         | 800  | 125 | 14   | 140 | 50 | 92                          | 8.94.800125  |  |
|                                                                                                                                                                                         | 1000 | 125 | 14   | 140 | 50 | 114                         | 8.94.1000125 |  |

Materiale: acciaio cementato e temprato 55HRC ± 2  
 Material: case-hardened steel 55HRC ± 2

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminium), ask for specific quotation

**ELEMENTI MODULARI - MODULAR ELEMENTS**
**Dimensioni - Dimensions (mm)**

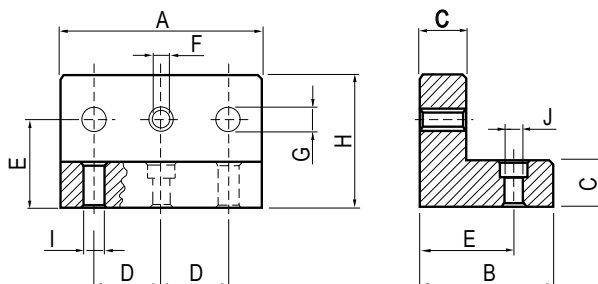
| A   | B   | C  | D  | E  | F   | G  | H   | I  | J  | kg  |
|-----|-----|----|----|----|-----|----|-----|----|----|-----|
| 120 | 80  | 30 | 40 | 60 | M10 | 12 | 80  | 12 | 11 | 3,5 |
| 120 | 100 | 35 | 50 | 70 | M12 | 16 | 100 | 16 | 13 | 6   |

Cod.

8.66.402210

8.66.502210

**Art. 66**

 Squadra piccola  
 Angle small

**Art. 68**

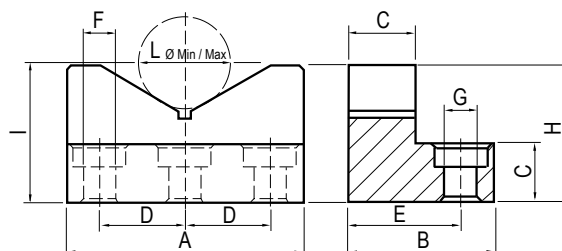
 Squadra a "V"  
 V-block


| A   | B   | C  | D  | E  | F  | G  | H   | I  | L        | kg |
|-----|-----|----|----|----|----|----|-----|----|----------|----|
| 120 | 80  | 30 | 40 | 60 | 12 | 11 | 80  | 86 | 30 / 180 | 3  |
| 150 | 100 | 35 | 50 | 70 | 16 | 13 | 100 | 98 | 30 / 220 | 5  |

Cod.

8.68.402410

8.68.502410



QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

**Art. 69**

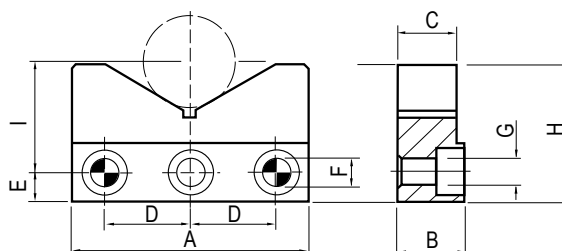
 Piastra a "V"  
 V-pad


| A   | B  | C  | D  | E  | F  | G  | H   | I  | L        | kg |
|-----|----|----|----|----|----|----|-----|----|----------|----|
| 120 | 30 | 27 | 40 | 20 | 12 | 11 | 80  | 66 | 30 / 180 | 3  |
| 150 | 35 | 30 | 50 | 20 | 16 | 13 | 100 | 68 | 30 / 220 | 16 |

Cod.

8.69.402610

8.69.502610



QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

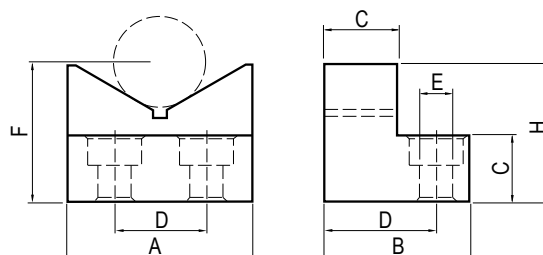
**Art. 69A**

 Squadra modulare a "V"  
 Modular V-block


| A  | B  | C  | D  | E  | F  | G | H  | I | L        | kg |
|----|----|----|----|----|----|---|----|---|----------|----|
| 98 | 74 | 35 | 50 | 16 | 78 | - | 78 | - | 30 / 150 | 3  |

Cod.

8.69.A510180



QUOTA "I" RILEVATA CON Ø50 h7 - "I" DIMENSION Ø50 h7

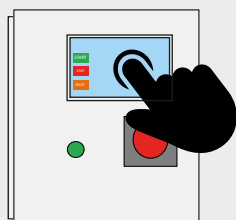
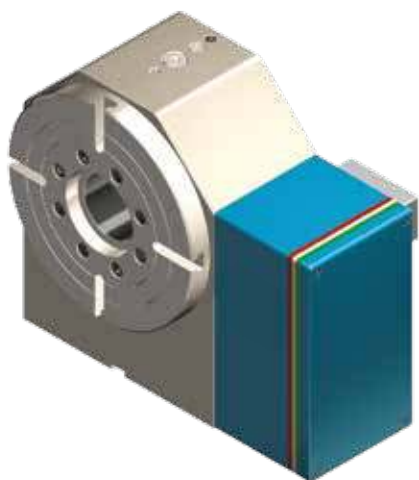
# DIVISORE AUTOMATICO DPG 250

## AUTOMATIC DIVIDING HEAD DPG 250

**Divisore automatico**  
Automatic dividing head

**Dati tecnici**  
Technical Data

**DPG 250**



**PROGRAMMAZIONE TOUCH SCREEN**  
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

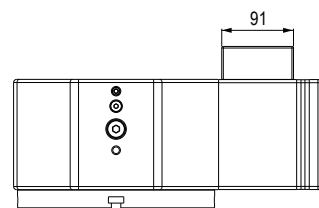
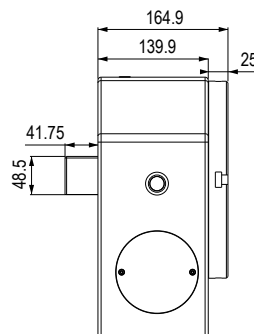
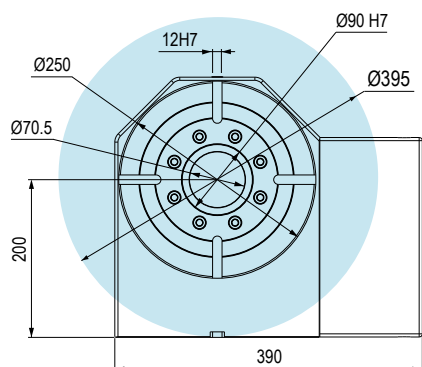
**EASY AND INTUITIVE TOUCH SCREEN**  
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

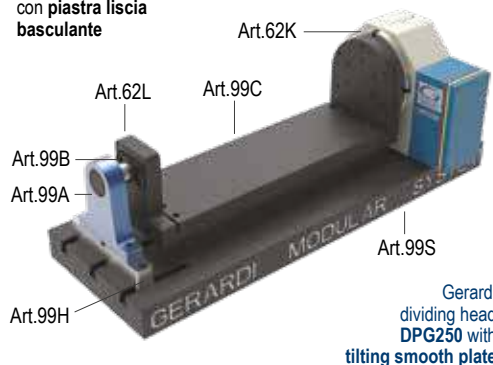
|                                                                                                 |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diametro del divisore<br>Dividing head diameter                                                 | 250 mm                                                                                                                                                                                                                                                                                                                          |
| Diametro del foro passante<br>Clearance hole diameter                                           | 70,5 mm                                                                                                                                                                                                                                                                                                                         |
| Altezza punta<br>Center height                                                                  | 200 mm                                                                                                                                                                                                                                                                                                                          |
| Dimensione della scanalatura a T<br>T-Slot width                                                | 12 mm                                                                                                                                                                                                                                                                                                                           |
| Sistema di bloccaggio<br>Clamping system                                                        | IIdraulico<br>Hydraulic                                                                                                                                                                                                                                                                                                         |
| Forza frenante<br>Clamping torque                                                               | 3000 Nm                                                                                                                                                                                                                                                                                                                         |
| Motore<br>Servo motor                                                                           | 3000 Max.g/min                                                                                                                                                                                                                                                                                                                  |
| Minimo incremento<br>Minimum increment                                                          | 0,002                                                                                                                                                                                                                                                                                                                           |
| Velocità di rotazione<br>Rotation speed                                                         | 33,3 Giri/min                                                                                                                                                                                                                                                                                                                   |
| Rapporti vite/corona<br>Speed reduction ratio (screw/gear)                                      | 1/90                                                                                                                                                                                                                                                                                                                            |
| Rapporti vite/motore<br>Speed reduction ratio (screw/motor)                                     | 1/180                                                                                                                                                                                                                                                                                                                           |
| Precisione<br>Indexing accuracy                                                                 | ±10 Sec.                                                                                                                                                                                                                                                                                                                        |
| Ripetibilità<br>Repeatability                                                                   | 4 Sec.                                                                                                                                                                                                                                                                                                                          |
| Max. carico di lavoro sul divisore<br>Max. allowable work weight on the dividing head           | <div> <div>Verticale<br/>Vertical</div> <div>Orizzontale<br/>Horizontal</div> </div> <div>   </div> <div>           Kg.550<br/>Kg.1500         </div> |
| Max. carico di spinta applicabile sul divisore<br>Max. allowable tool load on the dividing head | <div>   </div> <div>           N 25000<br/>FxL Nm 1000         </div>                                                                                 |
| Rapporti vite/corona<br>Speed reduction ratio (screw/gear)                                      | <div> <div>Verticale<br/>Vertical</div> <div>  </div> </div> <div>           10,5 Kg. m<sup>2</sup> </div>                                                                                                                                 |
| Coppia in lavoro<br>Driving torque                                                              | <div> <div>Corona dentata<br/>Worm gear</div> <div>  </div> </div> <div>           698 Nm         </div>                                                                                                                                   |
| Kg                                                                                              | 110                                                                                                                                                                                                                                                                                                                             |
| Cod.                                                                                            | 8.DP.G2500                                                                                                                                                                                                                                                                                                                      |

**DPG 250**



**Versione piastra basculante**  
Tilting plate type

Divisore Gerardi **DPG250**  
con piastra liscia  
basculante



Gerardi  
dividing head  
**DPG250** with  
tilting smooth plate

|      |      | C           | D           | E           | F           | G           | P           |
|------|------|-------------|-------------|-------------|-------------|-------------|-------------|
| 500  | Cod. | 8.DP.G250C5 | 8.DP.G250D5 | 8.DP.G250E5 | 8.DP.G250F5 | 8.DP.G250G5 | 8.DP.G250P5 |
| 600  | Cod. | 8.DP.G250C6 | 8.DP.G250D6 | 8.DP.G250E6 | 8.DP.G250F6 | 8.DP.G250G6 | 8.DP.G250P6 |
| 700  | Cod. | 8.DP.G250C7 | 8.DP.G250D7 | 8.DP.G250E7 | 8.DP.G250F7 | 8.DP.G250G7 | 8.DP.G250P7 |
| 800  | Cod. | 8.DP.G250C8 | 8.DP.G250D8 | 8.DP.G250E8 | 8.DP.G250F8 | 8.DP.G250G8 | 8.DP.G250P8 |
| 1000 | Cod. | 8.DP.G250C1 | 8.DP.G250D1 | 8.DP.G250E1 | 8.DP.G250F1 | 8.DP.G250G1 | 8.DP.G250P1 |

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni  
In case you already have a diverger, the price may be revised

**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**
**Art. 99A**

Supporto  
Support



Cod. 8.99.A1000

**Art. 99B**

Perno di centraggio orizzontale  
Horizontal centering pin



Cod. 8.99.B1000

**Art. 99H**

Distanziale per supporto  
Spacer support



Cod. 8.99.H1000

**Art. 62K**
**DPG250**

Piastra di interfaccia per tavola basculante  
completa di sistema d'allineamento  
Connecting plate with alignment system for tilting table



Cod. 8.62.KADPG250

**Art. 62L**

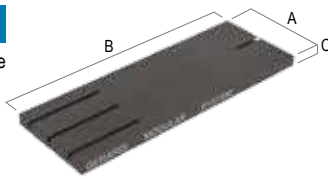
Piastra di interfaccia per perno di centraggio  
Connecting plate for centering pin



Cod. 8.62.L250000

**Art. 99S**

Piastra base con cave  
Piani rettificati  
Base plate with slot  
Faces ground



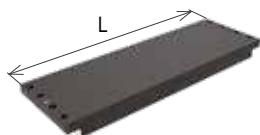
| Dimensioni B mm<br>Dimension B mm | A   | C  | Kg  | Cod.       |
|-----------------------------------|-----|----|-----|------------|
| 600                               | 400 | 50 | 94  | 7.99.S060S |
| 900                               | 400 | 50 | 141 | 7.99.S090S |
| 1200                              | 400 | 50 | 188 | 7.99.S120S |
| 1500                              | 400 | 50 | 234 | 7.99.S150S |

Cave o fori calibrati su richiesta  
Slot or calibrated holes on request

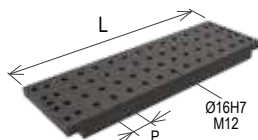
Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm

**Art. 99C**

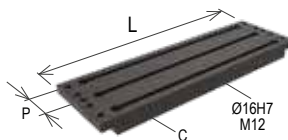
Piastra liscia  
Interface plate


**Art. 99E**

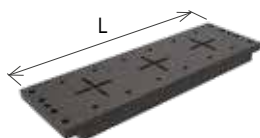
Piastra a reticolo integrale  
Grid plate


**Art. 99G**

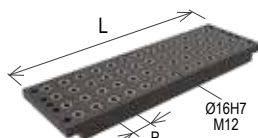
Piastra con cave  
Plate with slots grooved type


**Art. 99D**

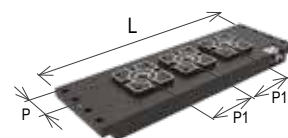
Piastra personalizzata  
Personalized plate


**Art. 99F**

Piastra a reticolo con bussola e filetti riportati  
Grid plate with bushings and elicoils


**Art. 99P**

Piastra con zero point  
Zero point plate



| Tipo<br>Types | L<br>(mm) | P<br>(mm)                  | C<br>(mm)                  | P1<br>(mm)       |
|---------------|-----------|----------------------------|----------------------------|------------------|
| 99C           | 300       | -                          | -                          | -                |
|               | 350       | -                          | -                          | -                |
| 99F           | 400       | 50                         | -                          | -                |
|               | 450       | -                          | -                          | -                |
| 99G           | 500       | Su richiesta<br>On request | Su richiesta<br>On request | -                |
|               | 550       | -                          | -                          | -                |
| 99D           | 600       | -                          | -                          | -                |
|               | 650       | -                          | -                          | -                |
| 99E           | 700       | 50                         | -                          | -                |
|               | 750       | -                          | -                          | -                |
| 99P           | 800       | 150 - 200<br>250 - 300     | -                          | 100 - 150<br>200 |



# DIVISORE MECCANICO DIVIGER 205

## MECHANICAL DIVIDING HEAD DIVIGER 205

**Divisore automatico**  
Automatic dividing head

**Dati tecnici**  
Technical Data

### DIVIGER 205



|                                                       |                         |
|-------------------------------------------------------|-------------------------|
| Diametro del divisore<br>Dividing head diameter       | 220 mm                  |
| Diametro del foro passante<br>Clearance hole diameter | 85 mm                   |
| Altezza centrale<br>Center height                     | 200 mm                  |
| Dimensione della scanalatura a T<br>T-Slot width      | -                       |
| Sistema di bloccaggio<br>Clamping system              | Meccanico<br>Mechanical |
| Minimo incremento<br>Minimum increment                | 1°                      |
| Precisione<br>Indexing accuracy                       | ±10 Sec.                |
| Coppia in lavoro<br>Driving torque                    | 3000 Nm                 |
| Kg                                                    | 93                      |
| Cod.                                                  | 7.66.73000              |



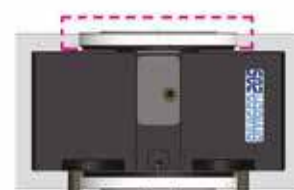
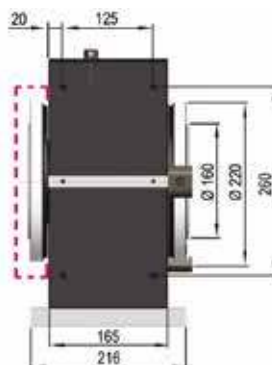
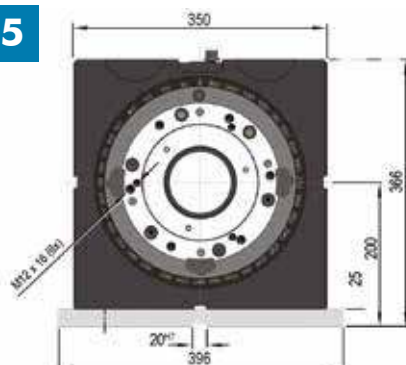
DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,  
PERMACCHINE A CNC

MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES  
OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo
- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontally or vertically
- Quick change through wedge clamping

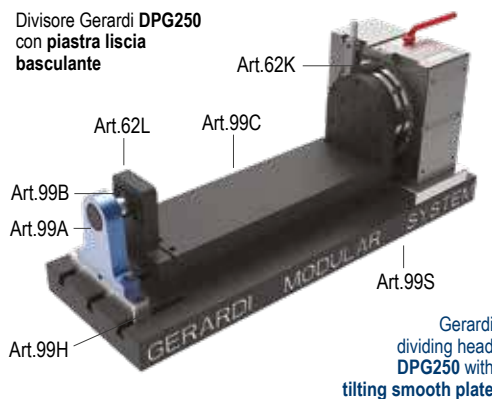


### DIVIGER 205



**Versione piastra basculante**  
Tilting plate type

Divisore Gerardi DPG250  
con piastra liscia  
basculante



Gerardi  
dividing head  
DPG250 with  
tilting smooth plate

|      |      | C           | D           | E           | F           | G           | P           |
|------|------|-------------|-------------|-------------|-------------|-------------|-------------|
| 500  | Cod. | 8.DI.V250C5 | 8.DI.V250D5 | 8.DI.V250E5 | 8.DI.V250F5 | 8.DI.V250G5 | 8.DI.V250P5 |
| 600  | Cod. | 8.DI.V250C6 | 8.DI.V250D6 | 8.DI.V250E6 | 8.DI.V250F6 | 8.DI.V250G6 | 8.DI.V250P6 |
| 700  | Cod. | 8.DI.V250C7 | 8.DI.V250D7 | 8.DI.V250E7 | 8.DI.V250F7 | 8.DI.V250G7 | 8.DI.V250P7 |
| 800  | Cod. | 8.DI.V250C8 | 8.DI.V250D8 | 8.DI.V250E8 | 8.DI.V250F8 | 8.DI.V250G8 | 8.DI.V250P8 |
| 1000 | Cod. | 8.DI.V250C1 | 8.DI.V250D1 | 8.DI.V250E1 | 8.DI.V250F1 | 8.DI.V250G1 | 8.DI.V250P1 |

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni  
In case you already have a divider, the price may be revised

**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**
**Art. 99A**

Supporto  
Support



Cod. 8.99.A1000

**Art. 99B**

Perno di centraggio orizzontale  
Horizontal centering pin



Cod. 8.99.B1000

**Art. 99H**

Distanziale per supporto  
Spacer support



Cod. 8.99.H1000

**Art. 62K**
**DIVIGER 205**

Piastra di interfaccia per tavola basculante  
completa di sistema d'allineamento  
Connecting plate with alignment system for tilting table



Cod. 8.62.KADIV205

**Art. 62L**

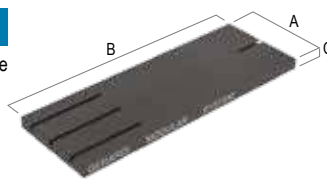
Piastra di interfaccia per perno di centraggio  
Connecting plate for centering pin



Cod. 8.62.L250000

**Art. 99S**

Piastra base con cave  
Piani rettificati  
Base plate with slot  
Faces ground



| Dimensioni B mm<br>Dimension B mm | A   | C  | Kg  | Cod.       |
|-----------------------------------|-----|----|-----|------------|
| 600                               | 400 | 50 | 94  | 7.99.S060S |
| 900                               | 400 | 50 | 141 | 7.99.S090S |
| 1200                              | 400 | 50 | 188 | 7.99.S120S |
| 1500                              | 400 | 50 | 234 | 7.99.S150S |

Cave o fori calibrati su richiesta  
Slot or calibrated holes on request

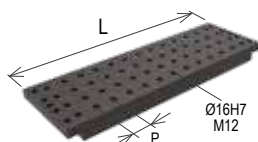
Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm

**Art. 99C**

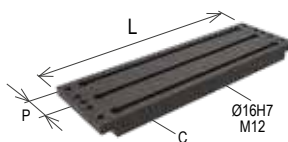
Piastra liscia  
Smooth plate


**Art. 99E**

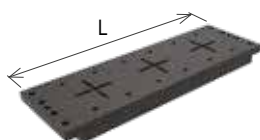
Piastra a reticolo integrale  
Grid plate


**Art. 99G**

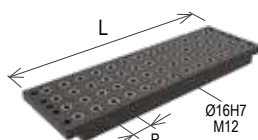
Piastra con cave  
Plate with slots grooved type


**Art. 99D**

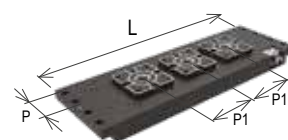
Piastra personalizzata  
Personalized plate


**Art. 99F**

Piastra a reticolo con bussole e filetti riportati  
Grid plate with bushings and elicoils


**Art. 99P**

Piastra con zero point  
Zero point plate



| Tipo<br>Types | L<br>(mm) | P<br>(mm)                  | C<br>(mm)                  | P1<br>(mm)       |
|---------------|-----------|----------------------------|----------------------------|------------------|
| 99C           | 300       | -                          | -                          | -                |
|               | 350       | -                          | -                          | -                |
| 99F           | 400       | 50                         | -                          | -                |
|               | 450       | -                          | -                          | -                |
| 99G           | 500       | Su richiesta<br>On request | Su richiesta<br>On request | -                |
|               | 550       | -                          | -                          | -                |
| 99D           | 600       | -                          | -                          | -                |
|               | 650       | -                          | -                          | -                |
| 99E           | 700       | 50                         | -                          | -                |
|               | 750       | -                          | -                          | -                |
| 99P           | 800       | 150 - 200<br>250 - 300     | -                          | 100 - 150<br>200 |

# PALLETS

**Il miglior pallet per il tuo centro di lavoro orizzontale**

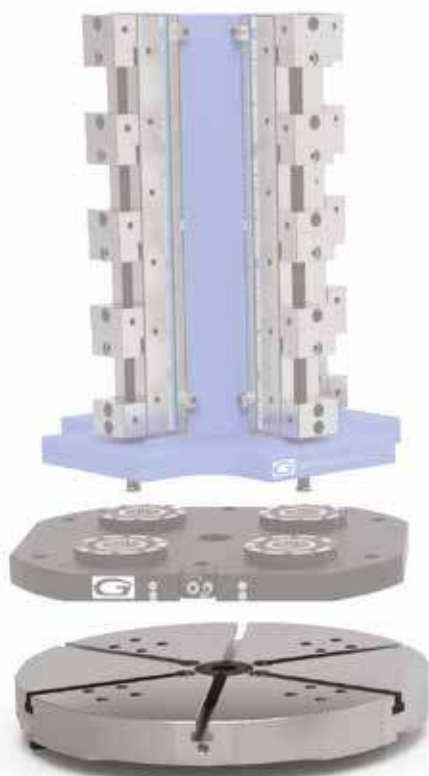
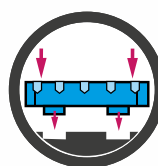
*The best pallet for your horizontal machining centre*



Precisione / Accuracy  
 **$\pm 0,005\text{mm}$**



Durezza / Hardened  
**HRC 58 $\pm$ 2**



## A cave o reticolo *T slot or Grid*

I pallet Gerardi sono tutti disponibili nelle versioni a cave o reticolo in ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. Massima precisione!

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



## Arresto laterale *Workstop*

Per un rapido e preciso allineamento dell'attrezzatura i pallets sono provvisti di due arresti laterali

Gerardi pallets are equipped with two workstops for quick and accurate positioning of the fixture



DOOSAN



DMGMORI



MANDELLI



MAKINO



MAZAK



OKUMA



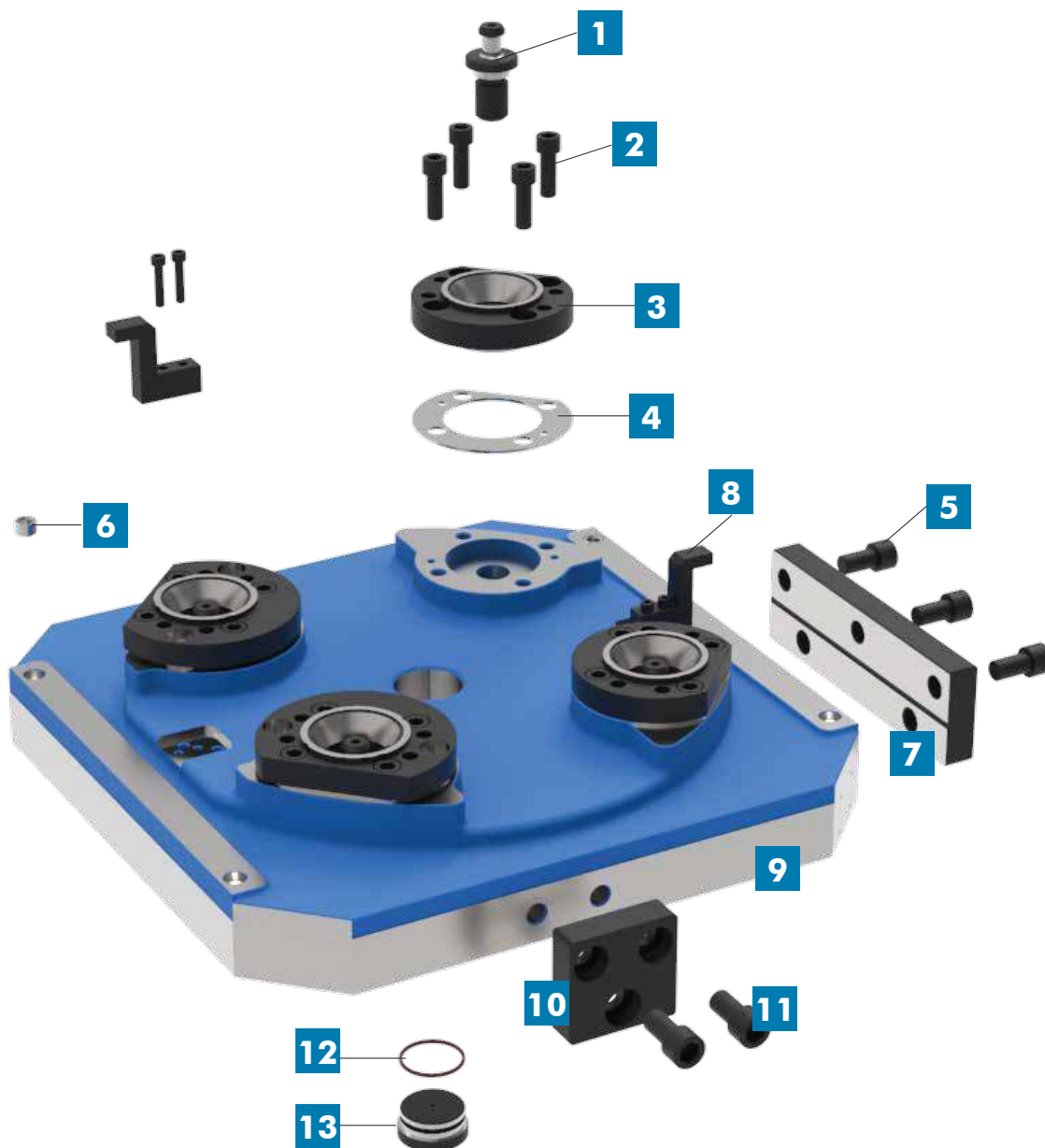
KIWA

## ACCESSORI E PARTI DI RICAMBIO

## SPARE PARTS AND ACCESSORIES

Tutti gli accessori sono forniti completamente temprati e rettificati. **TUTTI I COMPONENTI SONO COMPRESI NEL PREZZO**

All accessories are supplied completely hardened and ground HRC60. **PRICE ALL INCLUSIVE**



|          |                                                           |
|----------|-----------------------------------------------------------|
| <b>1</b> | <b>Art.45B TIRANTE</b><br>PULL-STUD                       |
| <b>2</b> | <b>VITI DI FISSAGGIO</b><br>FIXING SCREWS                 |
| <b>3</b> | <b>Art.85C BUSSOLA CONICA</b><br>CONIC BUSHING            |
| <b>4</b> | <b>Art.85D SPESSORE</b><br>SPACER                         |
| <b>5</b> | <b>VITI DI FISSAGGIO</b><br>FIXING SCREWS                 |
| <b>6</b> | <b>Art.85L BUSSOLA DI CENTRAGGIO</b><br>CENTERING BUSHING |
| <b>7</b> | <b>Art.85E PIASTRA GRANDE</b><br>BIG PLATE                |

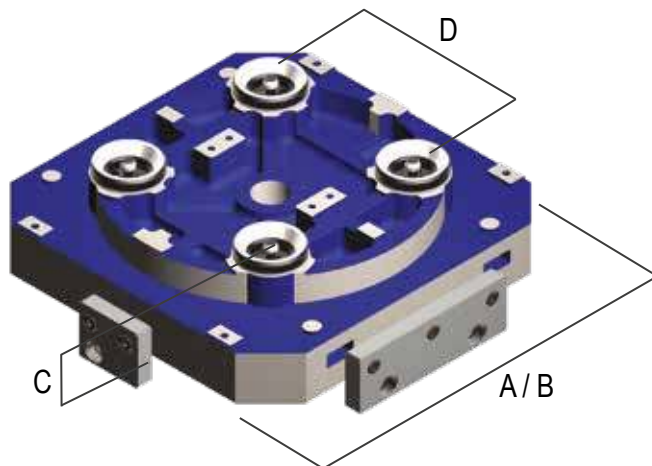
|           |                                                            |
|-----------|------------------------------------------------------------|
| <b>8</b>  | <b>Art.85H BLOCCHETTO DI RIFERIMENTO</b><br>REFERENT BLOCK |
| <b>9</b>  | <b>Art.85Z / 86Z CORPO DEL PALLET</b><br>PALLET BODY       |
| <b>10</b> | <b>Art.85F PIASTRA PICCOLA</b><br>SMALL PLATE              |
| <b>11</b> | <b>VITI DI FISSAGGIO</b><br>FIXING SCREWS                  |
| <b>12</b> | <b>O-RING DI TENUTA</b><br>O-RING                          |
| <b>13</b> | <b>Art.85G TAPPO</b><br>PLUG                               |



## PALLET MAKINO MAKINO PALLET

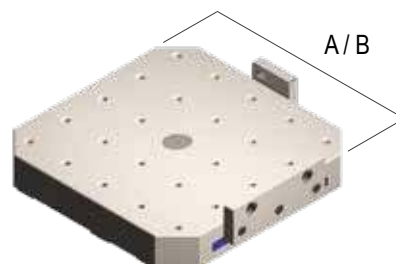


Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**  
Solid cast iron cast **G30** with double stress relieving heat treatment. **Highest accuracy**



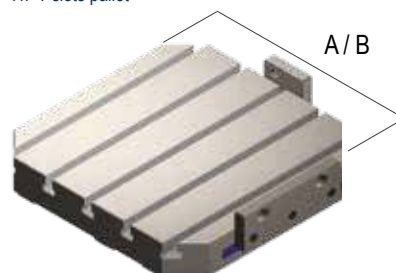
### Art. 85

Pallet a reticolo con fori integrali M16  
Grid type pallet with solid threads M16



### Art. 86

Pallet con cave a T H7  
H7 T slots pallet



## AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !



### Art. 85E

Piastra grande  
Big plate

Cod. 8.85.E...MAK\*



### Art. 85F

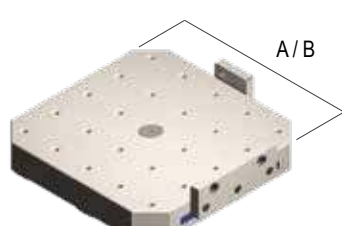
Piastra piccola  
Small plate

Cod. 8.85.F...MAK\*

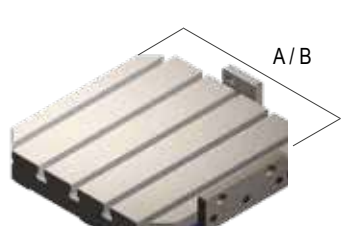


\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAK / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAK

### PALLET MAKINO Art.85

| Dimensioni - Dimensions (mm)                                                        | A   | B   | C   | D   | Modelli / Models                                  | Cod.             |  |
|-------------------------------------------------------------------------------------|-----|-----|-----|-----|---------------------------------------------------|------------------|--|
|  | 400 | 400 | 115 | 200 | A51NX - A51 - A55                                 | 8.85.4040MAK     |  |
|                                                                                     | 500 | 500 | 115 | 200 | A55E - A66                                        | 8.85.5050MAK/200 |  |
|                                                                                     | 500 | 500 | 138 | 240 | A61NX - A61<br>A66E - A77E - A66                  | 8.85.5050MAK     |  |
|                                                                                     | 500 | 630 | 168 | 300 | A71                                               | 8.85.5063MAK     |  |
|                                                                                     | 630 | 630 | 168 | 300 | A81 - A81M - A82 - A88<br>A88E A77 - A82M - A81NX | 8.85.6363MAK     |  |
|                                                                                     | 800 | 800 | 168 | 400 | A99E                                              | 8.85.8080MAK     |  |

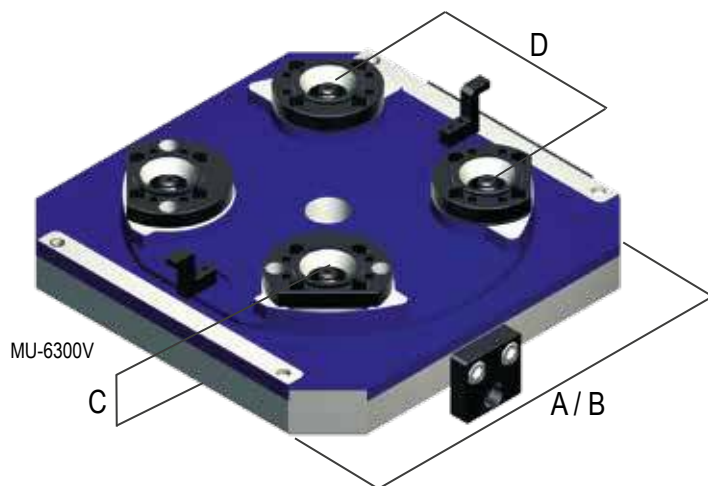
### PALLET MAKINO Art.86

| Dimensioni - Dimensions (mm)                                                        | A   | B   | C   | D   | Modelli / Models                                  | Cod.             |  |
|-------------------------------------------------------------------------------------|-----|-----|-----|-----|---------------------------------------------------|------------------|--|
|  | 400 | 400 | 115 | 200 | A51NX - A51 - A55                                 | 8.86.4040MAK     |  |
|                                                                                     | 500 | 500 | 115 | 200 | A55E - A66                                        | 8.86.5050MAK/200 |  |
|                                                                                     | 500 | 500 | 138 | 240 | A61NX - A61<br>A66E - A77E - A66                  | 8.86.5050MAK     |  |
|                                                                                     | 500 | 630 | 168 | 300 | A71                                               | 8.85.5063MAK     |  |
|                                                                                     | 630 | 630 | 168 | 300 | A81 - A81M - A82 - A88<br>A88E A77 - A82M - A81NX | 8.86.6363MAK     |  |
|                                                                                     | 800 | 800 | 168 | 400 | A99E                                              | 8.86.8080MAK     |  |

## PALLET OKUMA OKUMA PALLET

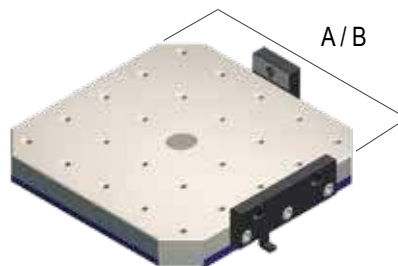


Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**  
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



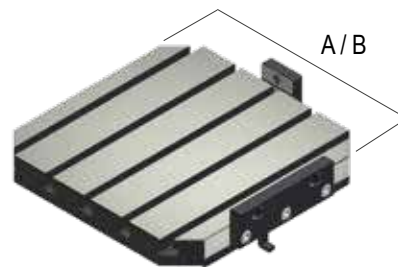
### Art. 85

Pallet a reticolo con fori integrali M16  
Grid type pallet with solid threads M16



### Art. 86

Pallet con cave a T H7  
H7 T slots pallet



## UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

### Art. 85E

Piastra grande  
Big plate

Cod. 8.85.E...OKU\*

### Art. 85H

Blocchetto di riferimento  
Referent block

Cod. 8.85.H...OKU

### Art. 85F

Piastra piccola  
Small plate

Cod. 8.85.F...OKU\*



\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050OKU / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050OKU

## PALLET OKUMA Art.85

| Dimensioni - Dimensions (mm) | A    | B    | C   | D   | Modelli / Models                | Cod.             |  |
|------------------------------|------|------|-----|-----|---------------------------------|------------------|--|
|                              | 400  | 400  | 95  | 200 | MA 400 HA - MB 4000 H - MA 40 H | 8.85.4040OKU     |  |
|                              | 500  | 500  | 95  | 200 | MB 5000 H                       | 8.85.5050OKU/200 |  |
|                              | 500  | 500  | 118 | 240 | MA 500 H II - MA 50             | 8.85.5050OKU     |  |
|                              | 630  | 630  | 112 | 320 | MA 600 H II - MA 60 H           | 8.85.6363OKU     |  |
|                              | Ø630 | Ø630 | 63  | 300 | MU 6300V                        | 8.85.6300OKU2    |  |
|                              | 800  | 800  | 146 | 400 | MA 800 HB                       | 8.85.8080OKU     |  |
|                              | 1000 | 1000 | -   | -   | MB 10000 H                      | 8.85.1010OKU     |  |

## PALLET OKUMA Art.86

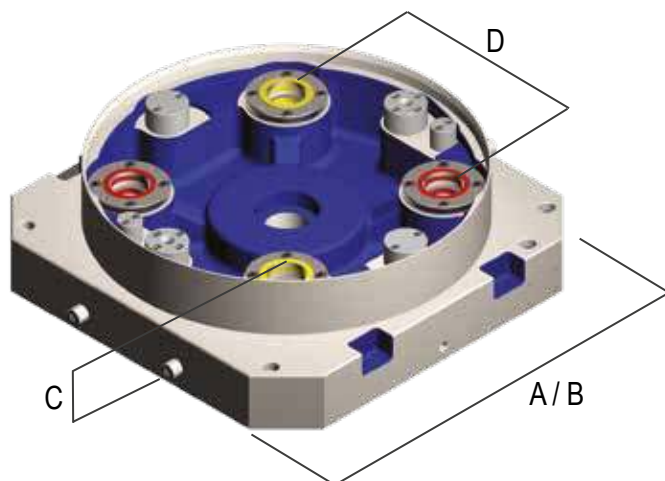
| Dimensioni - Dimensions (mm) | A    | B    | C   | D   | Modelli / Models                | Cod.             |  |
|------------------------------|------|------|-----|-----|---------------------------------|------------------|--|
|                              | 400  | 400  | 95  | 200 | MA 400 HA - MB 4000 H - MA 40 H | 8.86.4040OKU     |  |
|                              | 500  | 500  | 95  | 200 | MB 5000 H                       | 8.86.5050OKU/200 |  |
|                              | 500  | 500  | 118 | 240 | MA 500 H II - MA 50             | 8.86.5050OKU     |  |
|                              | 630  | 630  | 112 | 320 | MA 600 H II - MA 60 H           | 8.86.6363OKU     |  |
|                              | Ø630 | Ø630 | 63  | 300 | MU 6300V                        | 8.85.6300OKU2    |  |
|                              | 800  | 800  | 146 | 400 | MA 800 HB                       | 8.86.8080OKU     |  |
|                              | 1000 | 1000 | -   | -   | MB 10000 H                      | 8.86.1010OKU     |  |

## PALLET DMG-MORI

### DMG-MORI PALLET

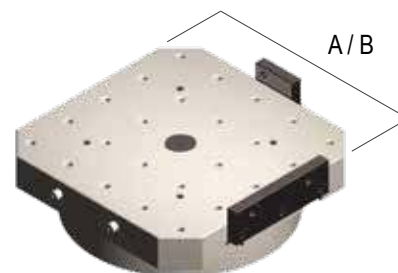


Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. Massima precisione  
 Solid cast iron cast G30 with double stress relieving heat treatment. Highest accuracy



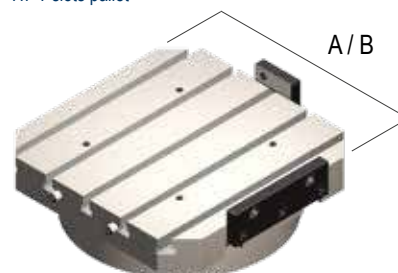
#### Art. 85

Pallet a reticolo con fori integrali M16  
 Grid type pallet with solid threads M16



#### Art. 86

Pallet con cave a T H7  
 H7 T slots pallet



### AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

#### Art. 85E

Piastra grande  
 Big plate

Cod. 8.85.E...DMG\*



#### Art. 85F

Piastra piccola  
 Small plate

Cod. 8.85.F...DMG\*



\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DMG / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DMG

### PALLET DMG MORI Art.85

| Dimensioni - Dimensions (mm) | A    | B    | C   | D   | Modelli / Models                                              | Cod.         |  |
|------------------------------|------|------|-----|-----|---------------------------------------------------------------|--------------|--|
|                              | 400  | 400  | 86  | 190 | NHX 4000 2° - NH 4000 DCG                                     | 8.85.4040DMG |  |
|                              | 500  | 500  | 120 | 250 | NHX 5000 2° - NHX 5500<br>NH 5000 DCG/40                      | 8.85.5050DMG |  |
|                              | 630  | 630  | 157 | 300 | NHX 6300 - NH 6300 DCGII<br>DMC 80H douBLOCK - DMC 80H linear | 8.85.6363DMG |  |
|                              | 800  | 800  | 215 | 450 | NHX 8000<br>DMC 100H douBLOCK - DMC 125H douBLOCK             | 8.85.8080DMG |  |
|                              | 1000 | 1000 | -   | -   | NHX 10000                                                     | 8.85.1010DMG |  |

### PALLET DMG MORI Art.86

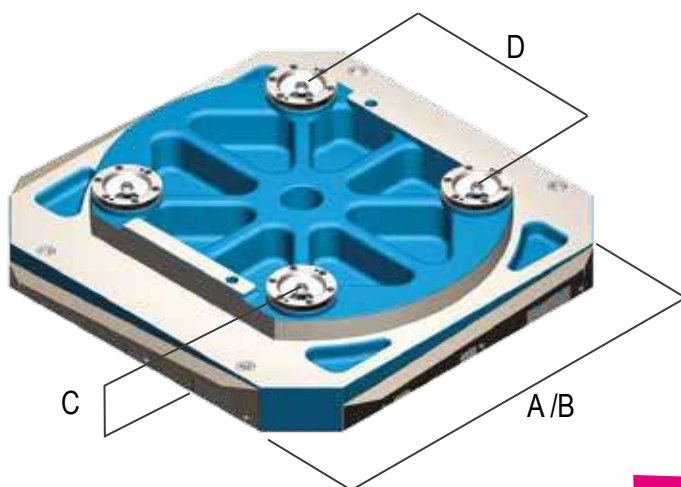
| Dimensioni - Dimensions (mm) | A    | B    | C   | D   | Modelli / Models                                              | Cod.         |  |
|------------------------------|------|------|-----|-----|---------------------------------------------------------------|--------------|--|
|                              | 400  | 400  | 86  | 190 | NHX 4000 2° - NH 4000 DCG                                     | 8.86.4040DMG |  |
|                              | 500  | 500  | 120 | 250 | NHX 5000 2° - NHX 5500<br>NH 5000 DCG/40                      | 8.86.5050DMG |  |
|                              | 630  | 630  | 157 | 300 | NHX 6300 - NH 6300 DCGII<br>DMC 80H douBLOCK - DMC 80H linear | 8.86.6363DMG |  |
|                              | 800  | 800  | 215 | 450 | NHX 8000<br>DMC 100H douBLOCK - DMC 125H douBLOCK             | 8.86.8080DMG |  |
|                              | 1000 | 1000 | -   | -   | NHX 10000                                                     | 8.86.1010DMG |  |

## PALLET MAZAK

### MAZAK PALLET

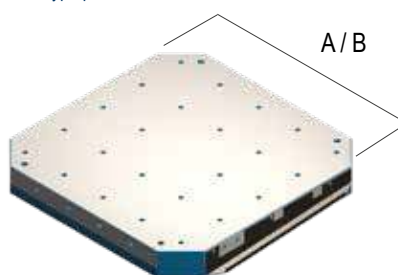


Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. Massima precisione  
 Solid cast iron cast G30 with double stress relieving heat treatment. Highest accuracy



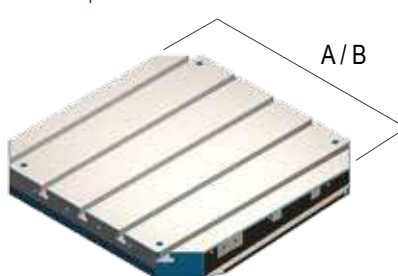
### Art. 85

Pallet a reticolo con fori integrali M16  
 Grid type pallet with solid threads M16



### Art. 86

Pallet con cave a T H7  
 H7 T slots pallet



**NEW**



### UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

#### Art. 85E

Piastra grande  
 Big plate

Cod. 8.85.E....MAZ\*



#### Art. 85F

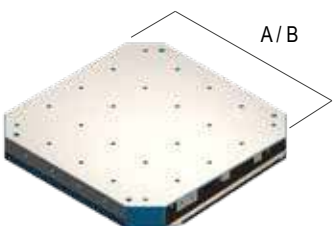
Piastra piccola  
 Small plate

Cod. 8.85.F....MAZ\*

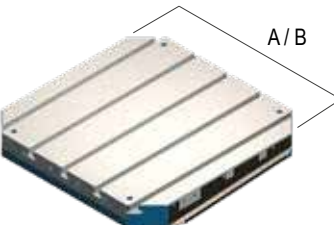


\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAZ / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAZ

### PALLET MAZAK Art.85

| Dimensioni - Dimensions (mm)                                                       | A    | B    | C   | D    | Modelli / Models                                          | Cod.          |  |
|------------------------------------------------------------------------------------|------|------|-----|------|-----------------------------------------------------------|---------------|--|
|  | 400  | 400  | -   | -    | HCN 4000 - NEXUS 4000III                                  | 8.85.4040MAZ  |  |
|                                                                                    | 400  | 400  | 121 | Ø350 | FH - 4800                                                 | 8.85.4040MAZ2 |  |
|                                                                                    | 500  | 500  | -   | -    | HCN 5000 - HCN 5000/50<br>NEXUS 5000III - NEXUS 6000II    | 8.85.5050MAZ  |  |
|                                                                                    | 630  | 630  | 136 | 320  | HCN 6800 - NEXUS 6800 II<br>6800 II HM PACKAGE            | 8.85.6363MAZ  |  |
|                                                                                    | 800  | 800  | 167 | 420  | M 8800 - HCN 8800<br>NEXUS 8800II - MEGA 8800             | 8.85.8080MAZ  |  |
|                                                                                    | 1000 | 1000 | -   | -    | M 10800 - HCN 10800<br>NEXUS 10800II - 10800II HM PACKAGE | 8.85.1010MAZ  |  |

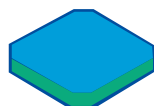
### PALLET MAZAK Art.86

| Dimensioni - Dimensions (mm)                                                       | A    | B    | C   | D   | Modelli / Models                                          | Cod.         |  |
|------------------------------------------------------------------------------------|------|------|-----|-----|-----------------------------------------------------------|--------------|--|
|  | 400  | 400  | 95  | 200 | HCN 4000 - NEXUS 4000III                                  | 8.86.4040MAZ |  |
|                                                                                    | 500  | 500  | 95  | 200 | HCN 5000 - HCN 5000/50<br>NEXUS 5000III - NEXUS 6000II    | 8.86.5050MAZ |  |
|                                                                                    | 630  | 630  | 112 | 320 | HCN 6800 - NEXUS 6800 II<br>6800 II HM PACKAGE            | 8.86.6363MAZ |  |
|                                                                                    | 800  | 800  | 146 | 400 | M 8800 - HCN 8800<br>NEXUS 8800II - MEGA 8800             | 8.86.8080MAZ |  |
|                                                                                    | 1000 | 1000 | -   | -   | M 10800 - HCN 10800<br>NEXUS 10800II - 10800II HM PACKAGE | 8.86.1010MAZ |  |



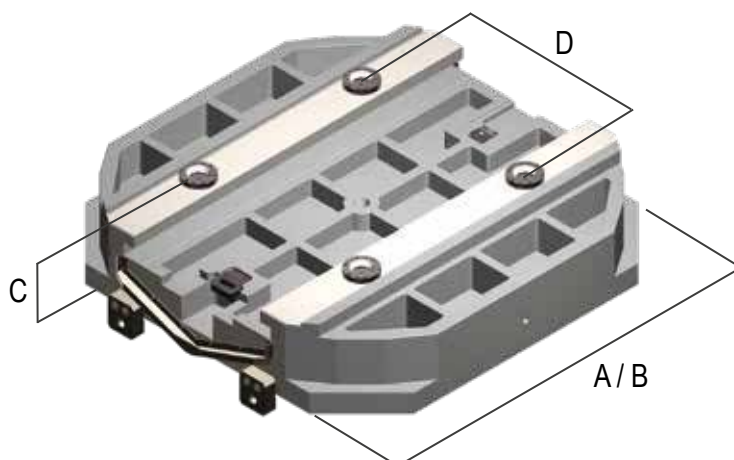
## PALLET DOOSAN

### DOOSAN PALLET



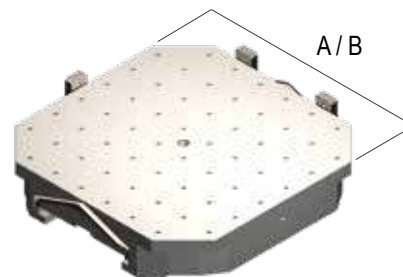
Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**  
Solid cast iron cast **G30** with double stress relieving heat treatment. **Highest accuracy**

**NEW**



### Art. 85

Pallet a reticolo con fori integrali M16  
Grid type pallet with solid threads M16



**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**

### Art. 85E

Piastra grande  
Big plate

Cod. 8.85.E...MOR\*



\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DOO / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DOO

### PALLET DOOSAN Art.85

| Dimensioni - Dimensions (mm) | A    | B    | C   | D   | Modelli / Models | Cod.          |
|------------------------------|------|------|-----|-----|------------------|---------------|
|                              | 1250 | 1250 | 268 | 620 | HM - 1250        | 8.85.125125DO |

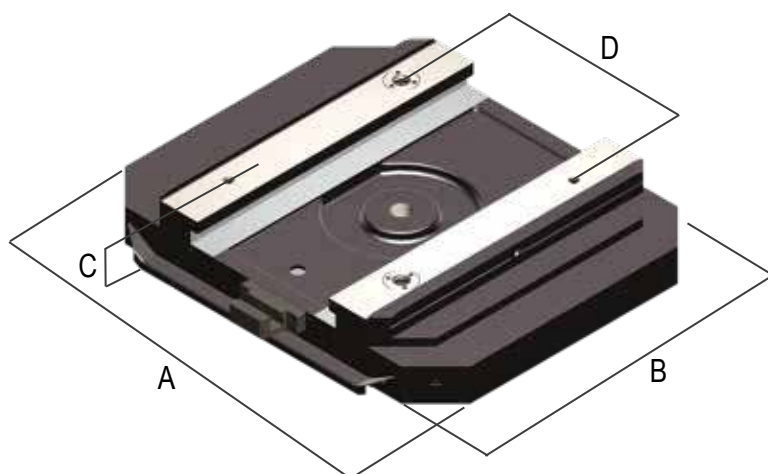
## PALLET MANDELLI

### MANDELLI PALLET



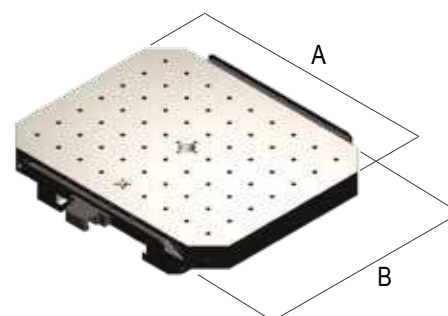
Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**  
Solid cast iron cast **G30** with double stress relieving heat treatment. **Highest accuracy**

**NEW**



### Art. 85

Pallet a reticolo con fori integrali M16  
Grid type pallet with solid threads M16

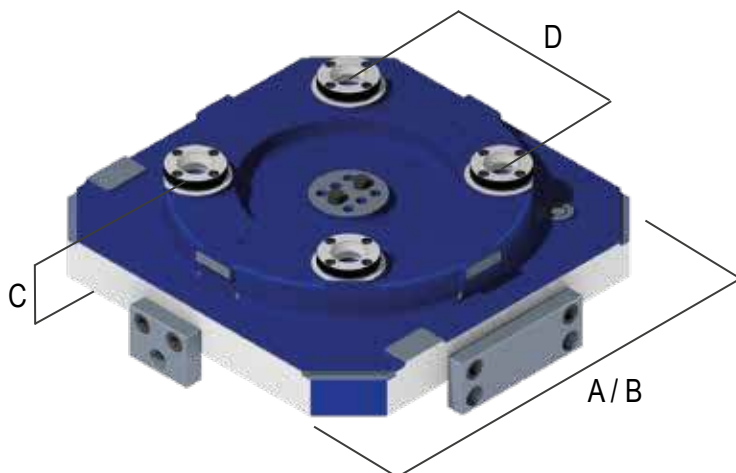


### PALLET MANDELLI Art.85

| Dimensioni - Dimensions (mm) | A   | B    | C   | D   | Modelli / Models | Cod.          |
|------------------------------|-----|------|-----|-----|------------------|---------------|
|                              | 800 | 1000 | 160 | 500 | SPARK 1600X      | 8.85.125100MA |

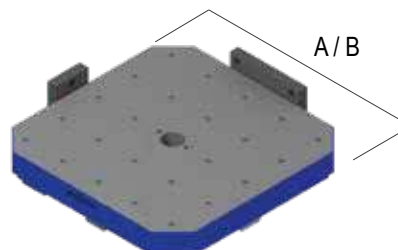
## PALLET KIWA KIWA PALLET

Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**  
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



### Art.85

Pallet a reticolo con fori integrali M16  
Grid type pallet with solid threads M16



**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**



#### Art. 85E

Piastra grande  
Big plate

Cod. 8.85.E....KWA\*



#### Art. 85F

Piastra piccola  
Small plate

Cod. 8.85.F....KWA\*



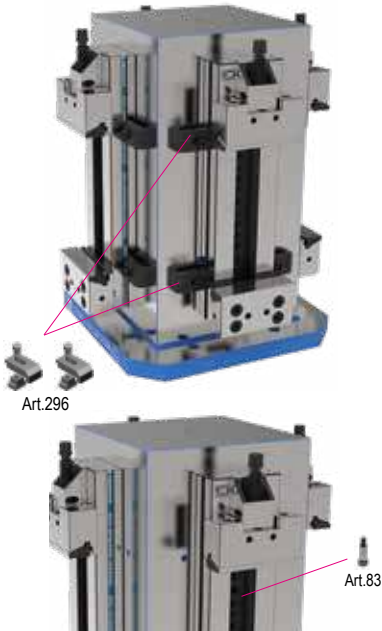
\*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DOO / \*Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DOO

### PALLET KIWA Art.85

| Dimensioni - Dimensions (mm) | A   | B   | C      | D   | Modelli / Models | Cod.         |  |
|------------------------------|-----|-----|--------|-----|------------------|--------------|--|
|                              | 500 | 500 | 124,48 | 240 | -                | 8.85.5050KWA |  |

## PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI

### TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

| Cubo lavorato Art.53C<br>Machined cube Art.53C                                                                                      | Tipo di morsa<br>Vise type                                                                                                                  | Predisposizione e montaggio*<br>Set-up & Mounting*                                                                                                                                                                                                                                                                               | Cubo con morse<br>Cube with vises                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cod. 8.53.C00171<br>Dim. A=350 / B=500 / H=700<br> | Art.1 Tipo 4x300<br><br><br>n°morse<br>Vises n° <b>x 4</b> | Per morsa / each vise<br><br><br>Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa.<br>Amount needed for the set-up of each side and mounting + alignment of each vise on it. |  |

\* Predisposizione lato cubo, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.  
 Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certificato di collaudo  
 Certificate test

## MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO

### WISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

| Cubo lavorato Art.57G<br>Machined cube Art.57G                                                                                              | Tipo di morsa<br>Vise type                                                                                                                      | Montaggio e allineamento*<br>Mounting & alignment*                                                                                                                                                                             | Cubo con morse<br>Cube with vises                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cod. 8.57.G00105<br>Dim. A=200 / B=500 / E= 80 H=650<br> | Art.600 Tipo 2x600<br><br><br>n°morse<br>Vises n° <b>x 4</b> | Per morsa / each vise<br><br><br>Importo per montaggio ed allineamento di ogni morsa.<br>Amount need for each vise mounting and alignment. |  |

\* Montaggio e allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.  
 Vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certificato di collaudo  
 Certificate test