

8

For Horizontal machining centres!

TOMBSTONES

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

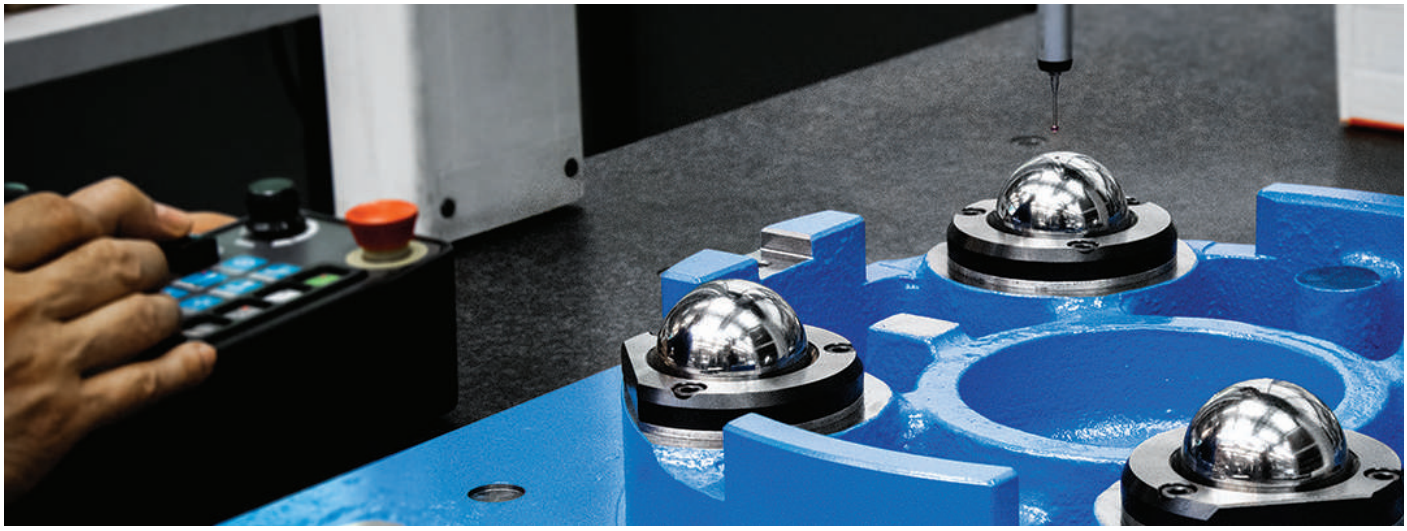
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VERIFICHE DIMENSIONALI TRAMITE MACCHINE DI MISURA
DIMENSIONAL CHECK THROUGH MEASUREMENT MACHINES



SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

MODELLI PORTAPEZZI TOMBSTONE MODELS	Cubi Cubes	Spalle 2 Sides tombstones	Cubi a croce Cross cubes	Squadre Angles
PIASTRE E PALLET PLATES AND PALLET			Piastre e sovratavole Plates & Interfaced plates	Pallet macchina Machine pallet

POSSIBILITÀ DI POSSIBILITY OF	Posiziona-mento & cambio rapido Quick change & positioning	Cubi-morsa Vise tower	Divisore Automatico Automatic dividing head	Divisore Meccanico Mechanical dividing head
PAGINE PAGES			Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use

OPZIONI LAVORAZIONI EXTRA
OPTIONS FOR EXTRA MACHINING

Nei codici, **POR** si riferisce ai cubi portapezzi con montaggio morse.
In codes, **POR** refers to tombstones with vice mounting.

Lavorazione extra Extra machining	Cod.
AGGIUNTA di un foro calibrato ADDITION of a calibrated hole	MAN-010-POR
AGGIUNTA di una chiavetta calibrata ADDITION of a calibrated key-way	MAN-020-POR
PREDISPOZIONE SEMPLICE SIMPLE SET UP	MAN-030-POR
PREDISPOSIZIONE & MONTAGGIO COMPLETO COMPLETE SET UP & MOUNTING	MAN-040-POR
MONTAGGIO PARZIALE PARTIAL ASSEMBLY	MAN-050-POR
MONTAGGIO SEMPLICE SIMPLE ASSEMBLY	MAN-060-POR
MONTAGGIO ed ALLINEAMENTO (Standard) (Standard) ASSEMBLY and ALIGNMENT	MAN-070-POR

Lavorazione extra Extra machining	Cod.
MONTAGGIO VERTICALE COMPLETE VERTICAL ASSEMBLY	MAN-080-POR
ALLINEAMENTO e CONTROLLO tramite DEA ALIGNMENT and CONTROL by DEA \ CMM	MAN-090-POR
TABULATO controllo DEA PRINTOUT DEA control	MAN-100-POR
RIDUZIONE ALTEZZA dei cubi portapezzi HEIGHT LOWERING of the tombstones cube	MAN-110-POR
RIDUZIONE della BASE dei cubi portapezzi BASE REDUCTION of the tombstones	MAN-120-POR
MANUTENZIONE e/o RIPARAZIONE REPAIR MAINTENANCE	MAN-150-POR
RIDUZIONE ALTEZZA BASE dei cubi portapezzi BASE HEIGHT REDUCTION of the tombstones	MAN-160-POR

Vedi pagina 8.42 per esempi applicativi - See page 8.42 for application examples

Portapezzi
TOMBSTONES

Cubi, spalle, squadre, piastre, pallets

Cubes, 2 sides tombstones, Angle plates, plates

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 PLANARITA' 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 RITOCCO 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.



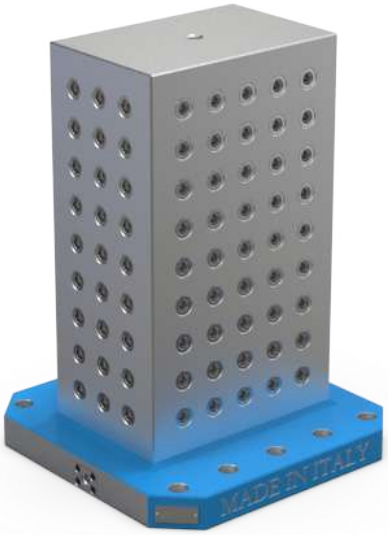
Soluzioni Speciali
Specific Tombstones

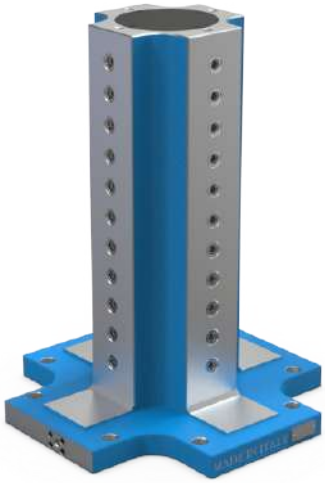
Soluzioni speciali e personalizzate integrate con sistemi di bloccaggio adeguati possono essere studiate e realizzate su richiesta per sfruttare al meglio il campo di lavoro e le capacità delle macchine.

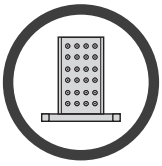
Specific or tailor-made tombstones complete with clamping systems applications could be studied and manufactured on request in order to better exploit the machines runs and capacity.



Cubo a croce
Cross cube





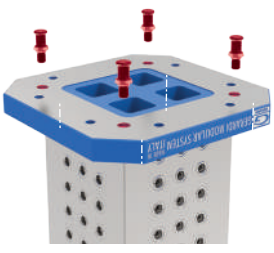


Cubo a reticolo
Grid Cube





Squadra a reticolo con bussole
Grid angle with bushing



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 pallet 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 GERARDIha progettato e via via sviluppato una gamma di portapezzi in fusioni monoblocco di ghisa G30(con pareti spessore 43-45mm 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 resistence alluminum.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.

SCAN IT TO SEE
THE WEB PAGE

5 YEARS WARRANTY

Per centri di lavoro orizzontali
For horizontal machining centre

Cubo leggero
Light Cube

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



Spalla a reticolo
2 side tombstone



Qualsiasi modifica, lavorazione o personalizzazione extra sara' 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 requirment will be quoted "Extra" for special type payment 50% on order. Our technical department is alwais available for any explanations or delivery time

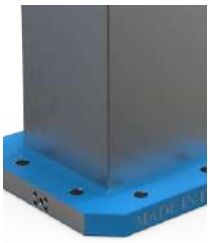
DISPONIBILI IN 5 VERSIONI DIVERSE
AVAILABLE IN 5 DIFFERENT FINISHING



Versione A - Type A

FUSIONE IN GHISA - CAST IRON CASTING
Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.Pareti spessore 43-45 mm (Sovramettallo 10 mm)
*Alcuni modelli indicati non vengono sgrossati

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

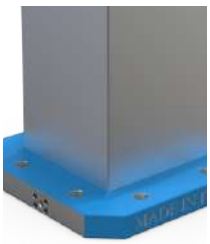


Versione B - Type B

BASE FINITA - BASE FINISHED

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

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

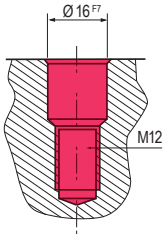


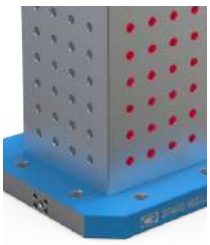
Versione C - Type C

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. Tollerance ± 0,02 mm



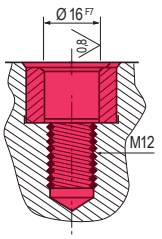


Versione E - Type E

RETICOLO INTEGRALE - GRID 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. Tollerance ± 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 0,02 mm

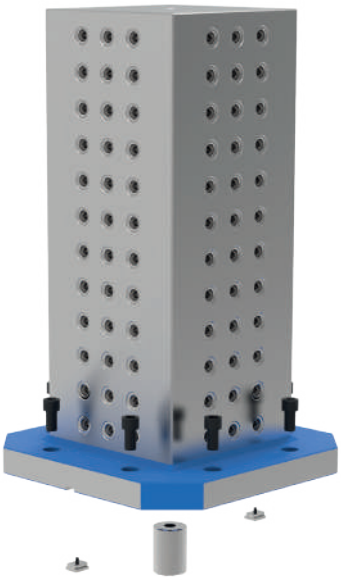
Integral cube with centering bushings in special hardened alloy steel 100Cr6 - DIN 179C. Inserted threads are in 18/8 stainless steel. Tollerance ± 0,02 mm

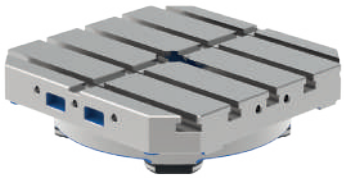
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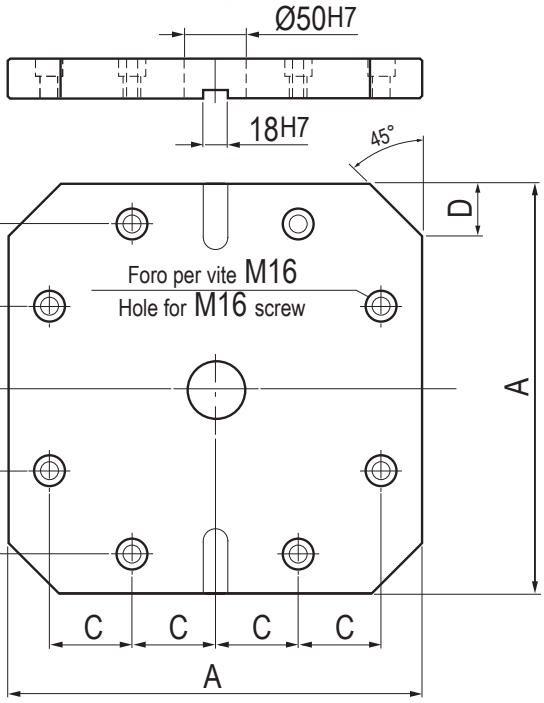
INTERFACCIAMENTO STANDARD
STANDARD INTERFACE

STANDARD EUROPEO EUROPEAN STANDARD				
A	400	500	630	800
B	-	-	-	-
C	80	100	125	160
D	50	60	70	100

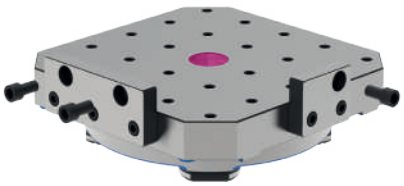
STANDARD GIAPPONESE (Normativa JIS) JAPANESE STANDARD (Normative JIS)				
A	400	500	630	800
B	55	75	100	135
C	80	100	125	160
D	50	60	70	100

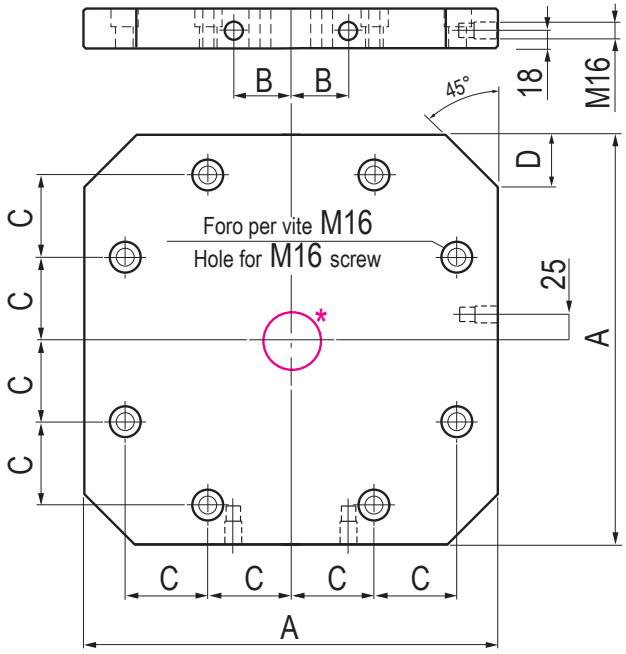












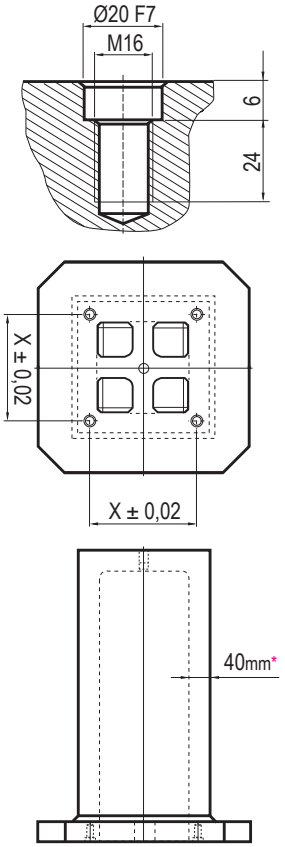
Foro centrale **(OPZIONE)*** - Central hole **(OPTIONAL)***

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.

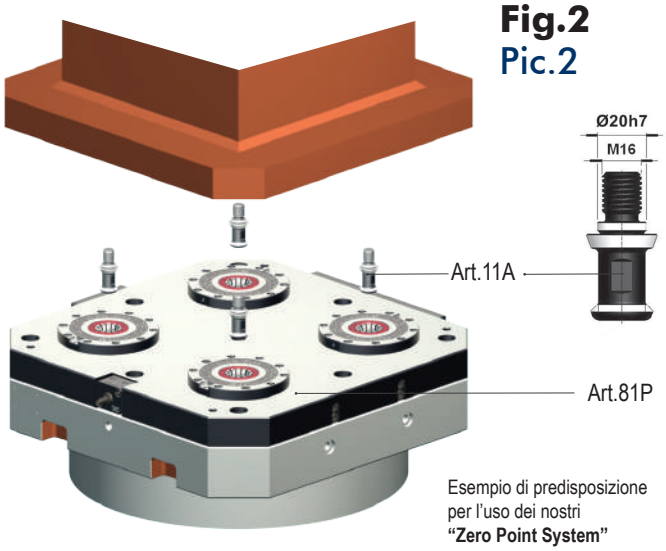
All our tombstone fixture (rough cast iron casting escluded) are pre-worked and prepared on the bottom base face for our Zero-Point pull-stud Art.11A T.2. This important feature will give you many possible application.

Fig.1
Pic.1



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

Fig.2
Pic.2

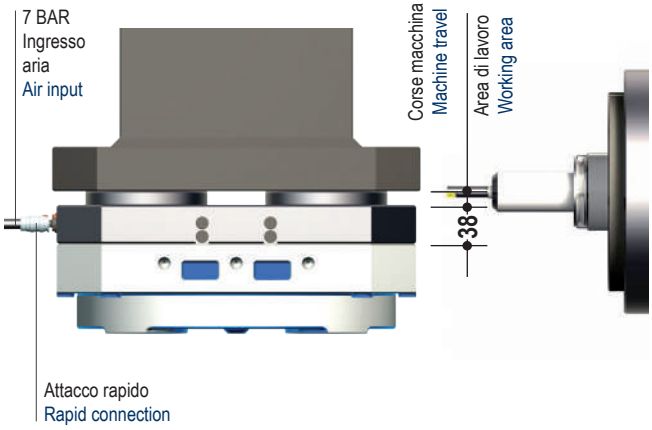


Esempio di predisposizione per l'uso dei nostri **"Zero Point System"**
Prearranged work for the use of our **"Zero Point System"**

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 maintened by springs) With this system your pallet could easily travel without the need of electrical pneumatic or elettronic connection.

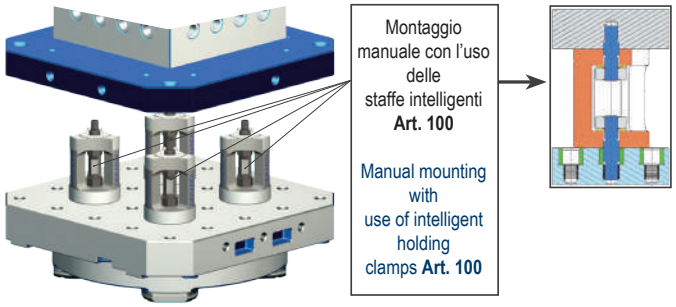
Fig.3
Pic.3



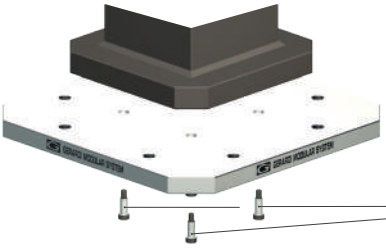
Gli "Zero Point Gerardi " sono utilizzabili anche per ottimizzare le corse del Vs. centro orizzontale sollevando il pezzo all'altezza desiderata senza l'ausilio di sovratavole.

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



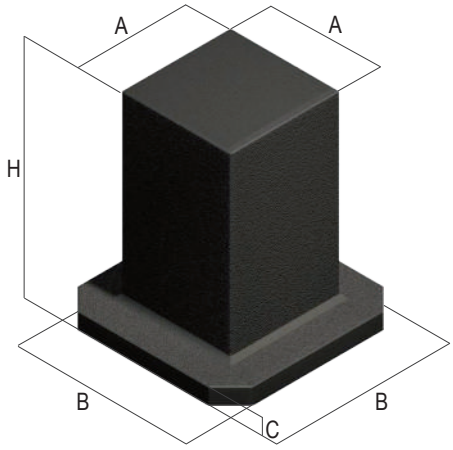
I fori di predisposizione (Fig.1- pag. 8.5) possono essere usati anche per l'utilizzo di "staffe intelligenti" Art.100 e relativi prigionieri.
The pre-work holes (Pic.1- pag. 8.5) are also coming handy for the use of our "intelligent clamps" Art. 100



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



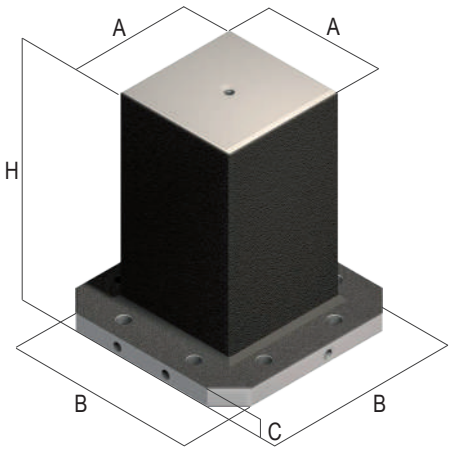
General tolerance +12 / -5 mm

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



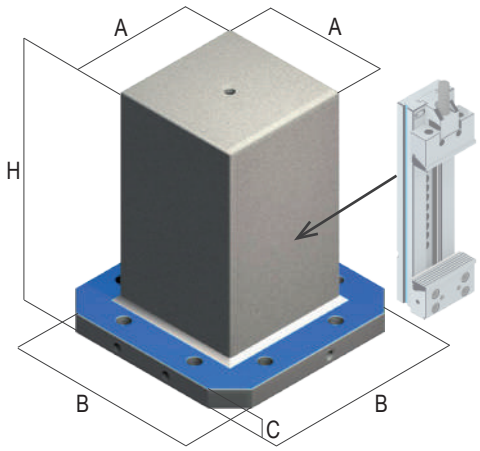
General tolerance +12 / -5 mm

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 ± **0,02** mm

Dimensioni - Dimensions

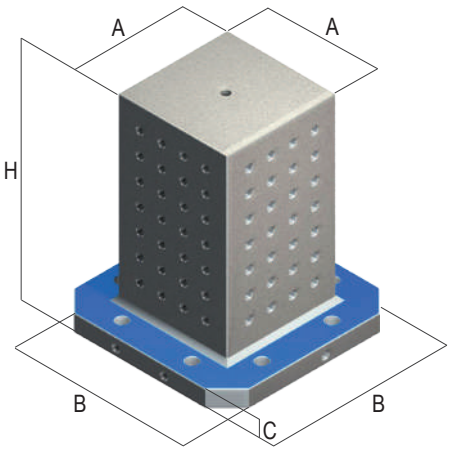
A	B	C	H	kg	Cod.
80	250	35	400	33	8.53.C00009
160	250	40	290	54	8.53.C00020
200	315	40	300	79	8.53.C00030
200	350	40	370	99	8.53.C00040
200	350	40	525	128	8.53.C00045
200	500	40	600	179	8.53.C00050
250	400	40	450	150	8.53.C00060
250	450	40	450	164	8.53.C00070
250	400	40	550	174	8.53.C00080
250	400	40	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

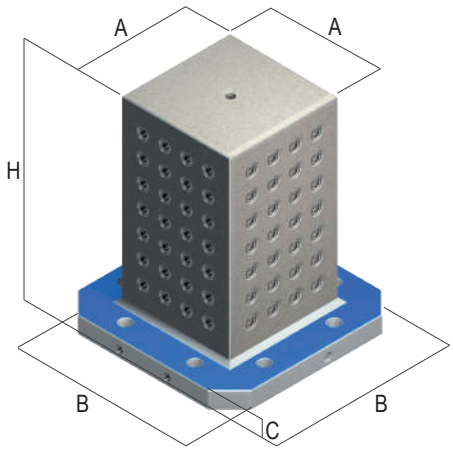
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

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	
Cod.		Cod.	
8.53.E40009		8.53.E00009	
8.53.E40020		8.53.E00020	
8.53.E40030		8.53.E00030	
8.53.E40040		8.53.E00040	
8.53.E40045		8.53.E00045	
8.53.E40050		8.53.E00050	
8.53.E40060		8.53.E00060	
8.53.E40070		8.53.E00070	
8.53.E40080		8.53.E00080	
8.53.E40081		8.53.E00081	
8.53.E40082		8.53.E00082	
8.53.E40090		8.53.E00090	
8.53.E40100		8.53.E00100	
8.53.E40105		8.53.E00105	
8.53.E40106		8.53.E00106	
8.53.E40107		8.53.E00107	
8.53.E40110		8.53.E00110	
8.53.E40111		8.53.E00111	
8.53.E40113		8.53.E00113	
8.53.E40115		8.53.E00115	
8.53.E40120		8.53.E00120	
8.53.E40140		8.53.E00140	
8.53.E40150		8.53.E00150	
8.53.E40160		8.53.E00160	
8.53.E40170		8.53.E00170	
8.53.E40171		8.53.E00171	
8.53.E40172		8.53.E00172	
8.53.E40180		8.53.E00180	
8.53.E40181		8.53.E00181	
8.53.E40185		8.53.E00185	
8.53.E40190		8.53.E00190	
8.53.E40200		8.53.E00200	
8.53.E40211		8.53.E00211	
8.53.E40220		8.53.E00220	
8.53.E40230		8.53.E00230	
8.53.E40235		8.53.E00235	

Art. 53F 40		Art. 53F 50	
Cod.		Cod.	
8.53.F40009		8.53.F00009	
8.53.F40020		8.53.F00020	
8.53.F40030		8.53.F00030	
8.53.F40040		8.53.F00040	
8.53.F40045		8.53.F00045	
8.53.F40050		8.53.F00050	
8.53.F40060		8.53.F00060	
8.53.F40070		8.53.F00070	
8.53.F40080		8.53.F00080	
8.53.F40081		8.53.F00081	
8.53.F40082		8.53.F00082	
8.53.F40090		8.53.F00090	
8.53.F40100		8.53.F00100	
8.53.F40105		8.53.F00105	
8.53.F40106		8.53.F00106	
8.53.F40107		8.53.F00107	
8.53.F40110		8.53.F00110	
8.53.F40111		8.53.F00111	
8.53.F40113		8.53.F00113	
8.53.F40115		8.53.F00115	
8.53.F40120		8.53.F00120	
8.53.F40140		8.53.F00140	
8.53.F40150		8.53.F00150	
8.53.F40160		8.53.F00160	
8.53.F40170		8.53.F00170	
8.53.F40171		8.53.F00171	
8.53.F40172		8.53.F00172	
8.53.F40180		8.53.F00180	
8.53.F40181		8.53.F00181	
8.53.F40185		8.53.F00185	
8.53.F40190		8.53.F00190	
8.53.F40200		8.53.F00200	
8.53.F40211		8.53.F00211	
8.53.F40220		8.53.F00220	
8.53.F40230		8.53.F00230	
8.53.F40235		8.53.F00235	

Usually available immediately

Specifiche - Specifications

Art. 53A

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore 48-50 mm
(Sovrametallo 15 mm)

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall thickness 48-50 mm
(15 mm stock)

Art. 53B

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

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

Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

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 (Vedi pag. 8.3)
Set-up, mounting and allignement for each vise (See page 8.3)

Art. 53E 40 / 50

Cubo a reticolo con fori calibrati e filettati integrali
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid cube with calibrated holes and solid threads
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

Art. 53F 40 / 50

Cubo a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

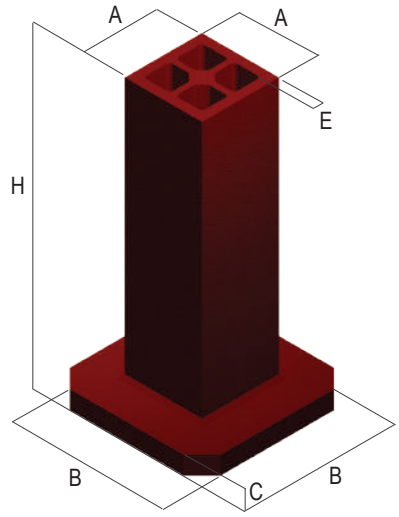
Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

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

Art. 53A1



General tolerance +12 / -5 mm

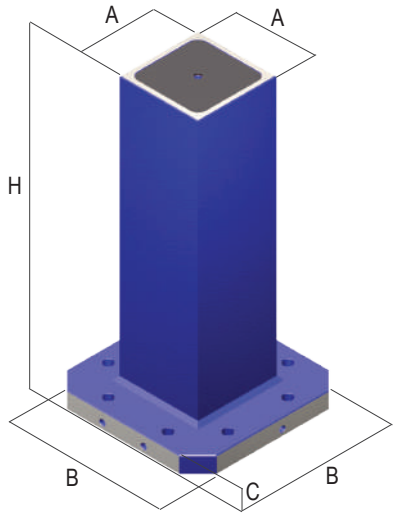
Dimensioni - Dimensions

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 thickness

Art. 53B1

Base finita
Base finished



General tolerance +12 / -5 mm

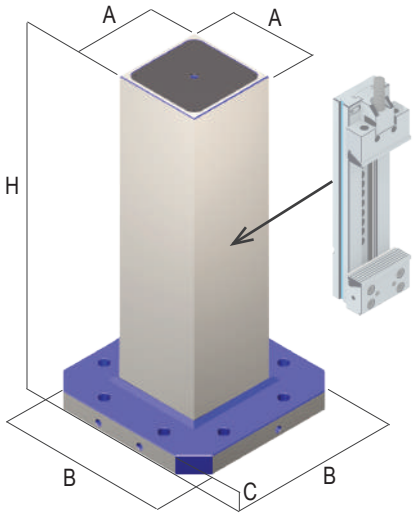
Dimensioni - Dimensions

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 thickness

Art. 53C1*

Completamente lavorati
Completely machined



General tolerance ± **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 thickness

Specifiche - Specifications

Art. 53A1

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore ridotto
(Sovrametallo 15 mm).

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall with reduced thickness
(15 mm stock)

Art. 53B1

Fusione con base lavorata e raschiettata per pallet a norme Europee o Giapponesi. ***Vedi specifiche a pag. 8.6***
Casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6
Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

Art. 53C1

Cubo completamente finito con
pareti di spessore ridotto

Cube completely finished with **wall reduced thickness**

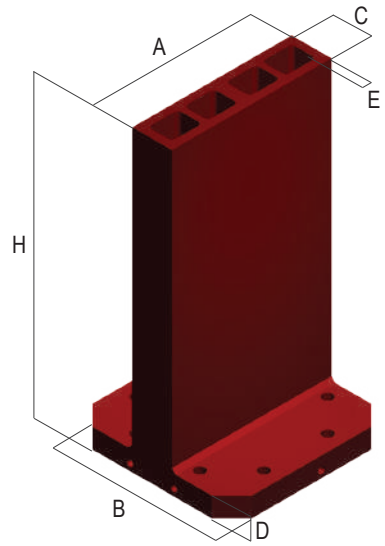
Predisposizione, montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Set-up, mounting and allignement for each vise (See page 8.3)

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

Art. 55A1



General tolerance +12 / -5 mm

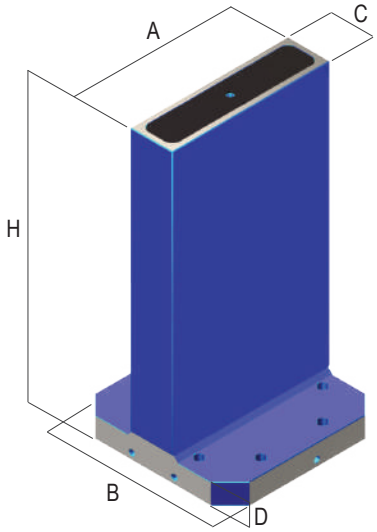
Dimensioni - Dimensions

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 thickness

Art. 55B1

Base finita
Base finished



General tolerance +12 / -5 mm

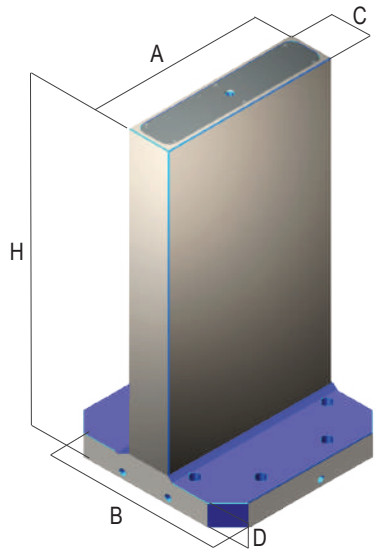
Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
410	400	110	55	25	750	193	8.55.B10045
410	400	160	55	25	850	239	8.55.B10050
510	500	160	55	25	750	277	8.55.B10053
510	500	210	55	30	900	402	8.55.B10085
640	630	210	55	30	950	553	8.55.B10172
640	630	260	55	35	950	645	8.55.B10175

E= Spessore pareti - Wall thickness

Art. 55C1*

Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

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 thickness

Specifiche - Specifications

Art. 55A1

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore ridotto
(Sovrametallo 15 mm).

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall with reduced thickness
(15 mm stock)

Art. 55B1

Fusione con base lavorata e raschiettata per pallet a norme Europee o Giapponesi. ***Vedi specifiche a pag. 8.6***
Casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet. ***See specifications pag. 8.6***
Per garantire la compatibilità con le prossime forniture Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies Finish the cube checking ***Dimension A Version C***

Art. 55C1

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

Cube completely finished with **wall reduced thickness**

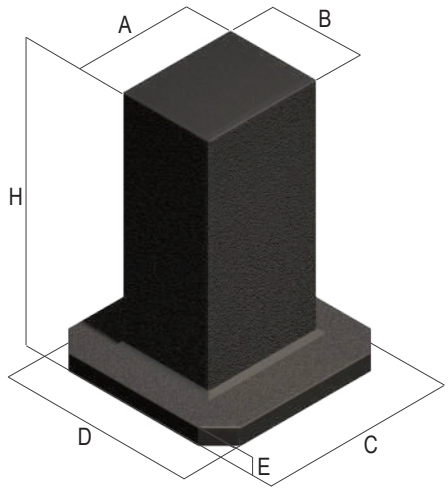
Predisposizione, montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Set-up, mounting and allignement for each vise (See page 8.3)

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



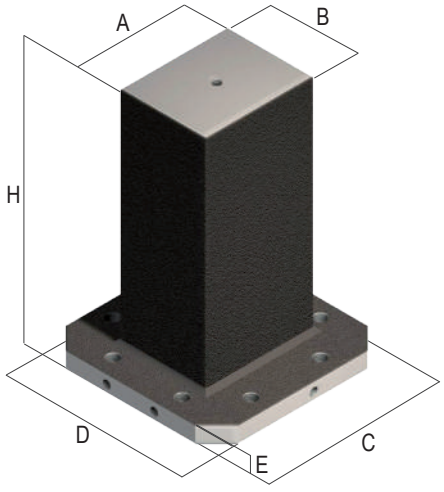
General tolerance +12 / -5 mm

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



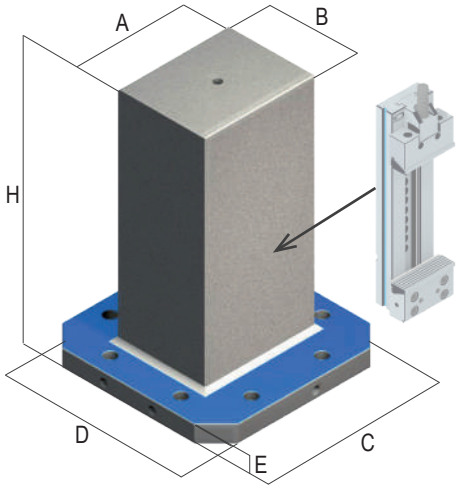
General tolerance +12 / -5 mm

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 ± **0,02** mm

Dimensioni - Dimensions

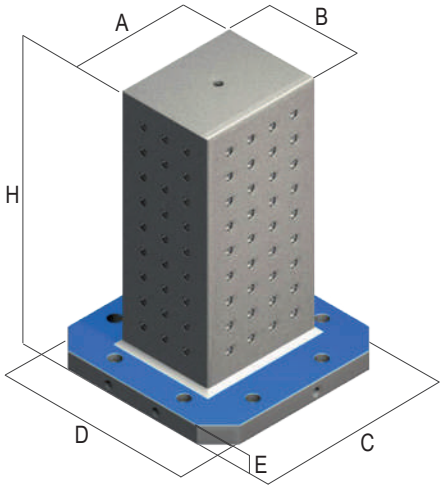
A	B	C	D	E	H	kg	Cod.
300	200	450	300	40	360	127	8.54.C00010
350	250	400	400	40	550	205	8.54.C00040
350	250	500	500	40	750	292	8.54.C00070
300	200	400	400	40	550	174	8.54.C00080
450	350	630	630	40	550	336	8.54.C00100
450	350	630	630	40	650	340	8.54.C00110
550	350	630	630	40	650	413	8.54.C00120

Modelli normalmente presenti a magazzino

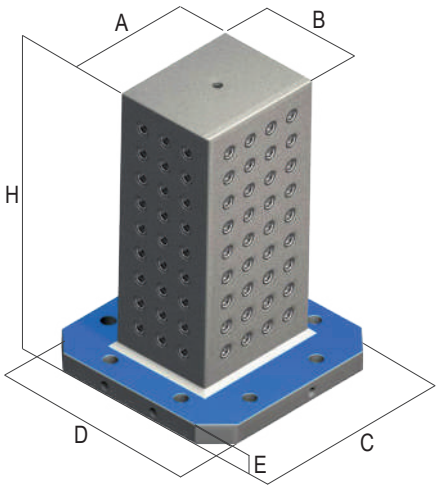
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

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 con doppio trattamento di distensione.
Pareti con spessore 48-50 mm
(Sovrametallo 15 mm)

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall thickness 48-50 mm
(15 mm stock)

Art. 54B

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

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

Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

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 (Vedi pag. 8.3)

Set-up, mounting and allignement for each vise (See page 8.3)

Art. 54E 40 / 50

Cubo rettangolare a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid rectangular cube with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

Art. 54F 40 / 50

Cubo rettangolare a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

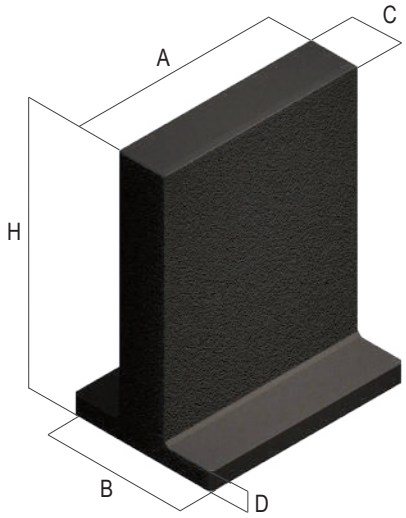
Grid rectangular cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

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

SPALLE - 2 SIDES TOMBSTONES

Art. 55A



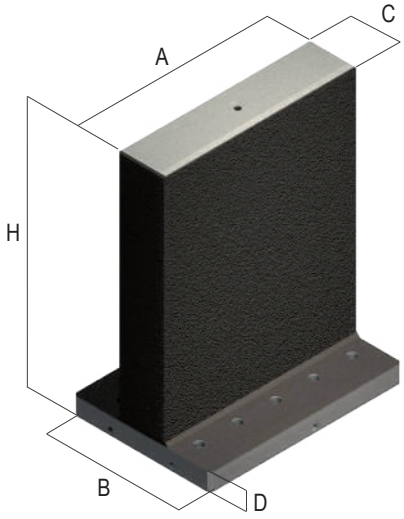
General tolerance +12 / -5 mm

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	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



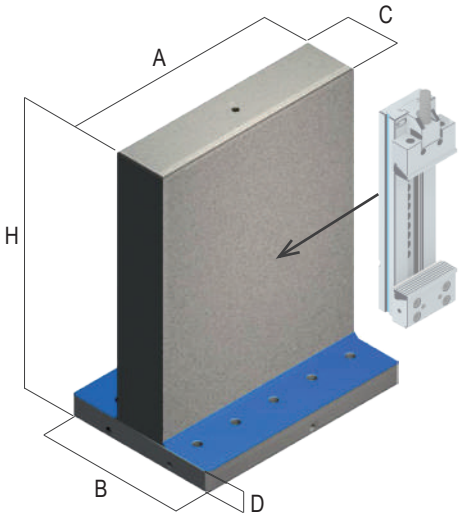
General tolerance +12 / -5 mm

Dimensioni - Dimensions

A	B	C	D	H	kg	Cod.
170	200	80	50	225	29	8.55.B00010
360	250	90	55	415	114	8.55.B00040
310	440	160	55	300	114	8.55.B00044
310	440	160	55	630	192	8.55B00045
410	350	110	55	525	207	8.55.B00050
410	400	160	55	500	199	8.55.B00051
410	400	160	50	660	244	8.55.B00052
510	500	160	50	700	331	8.55.B00053
510	500	210	55	600	316	8.55.B00054
510	500	270	45	625	336	8.55.B00055
460	350	110	55	525	227	8.55.B00060
460	350	110	55	620	267	8.55.B00070
560	350	110	65	650	350	8.55.B00080
510	350	160	55	650	289	8.55.B00090
460	350	160	55	610	271	8.55.B00120
460	350	160	55	750	297	8.55.B00125
560	350	160	65	670	332	8.55.B00150
560	450	160	55	820	406	8.55.B00160
640	450	160	55	820	460	8.55.B00170
640	450	260	65	900	564	8.55.B00171
640	630	210	55	850	545	8.55.B00172
640	630	260	55	700	485	8.55.B00173
360	450	160	65	650	232	8.55.B00180
810	450	160	65	850	604	8.55.B00190
810	800	210	55	1000	820	8.55.B00192
1210	850	260	65	1300	1506	8.55.B00230
1260	1250	410	40	1500	-	8.55.A00235

Art. 55C

Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

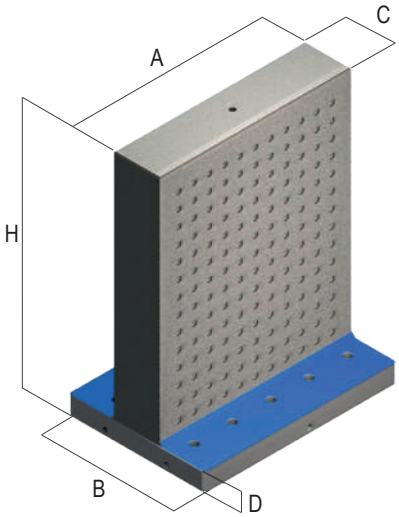
A	B	C	D	H	kg	Cod.
160	200	70	45	225	24	8.55.C00010
350	250	80	50	415	103	8.55.C00040
300	440	150	50	300	109	8.55.C00044
300	440	150	50	630	185	8.55C00045
400	350	100	50	525	190	8.55.C00050
400	400	150	50	500	193	8.55.C00051
400	400	150	45	660	222	8.55.C00052
500	500	150	45	700	290	8.55.C00053
500	500	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	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

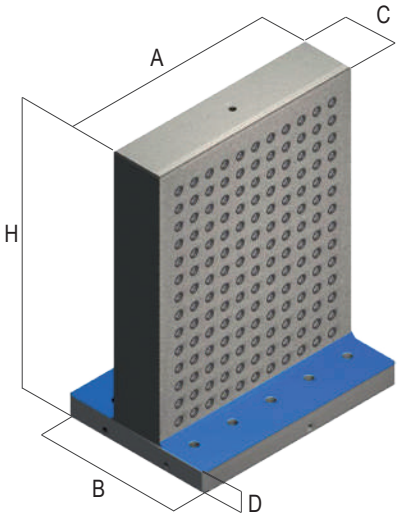
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

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

Art. 55E 40		Art. 55E 50	
Cod.		Cod.	
8.55.E40010		8.55.E00010	
8.55.E40040		8.55.E00040	
8.55.E40044		8.55.E00044	
8.55E40045		8.55E00045	
8.55.E40050		8.55.E00050	
8.55.E40051		8.55.E00051	
8.55.E40052		8.55.E00052	
8.55.E40053		8.55.E00053	
8.55.E40054		8.55.E00054	
8.55.E40055		8.55.E00055	
8.55.E40060		8.55.E00060	
8.55.E40070		8.55.E00070	
8.55.E40080		8.55.E00080	
8.55.E40090		8.55.E00090	
8.55.E40120		8.55.E00120	
8.55.E40125		8.55.E00125	
8.55.E40150		8.55.E00150	
8.55.E40160		8.55.E00160	
8.55.E40170		8.55.E00170	
8.55.E40171		8.55.E00171	
8.55.E40172		8.55.E00172	
8.55.E40173		8.55.E00173	
8.55.E40180		8.55.E00180	
8.55.E40190		8.55.E00190	
8.55.E40192		8.55.E00192	
8.55.E40230		8.55.E00230	
8.55.E40235		8.55.E00235	

Art. 55F 40		Art. 55F 50	
Cod.		Cod.	
8.55.F40010		8.55.F00010	
8.55.F40040		8.55.F00040	
8.55.F40044		8.55.F00044	
8.55F40045		8.55F00045	
8.55.F40050		8.55.F00050	
8.55.F40051		8.55.F00051	
8.55.F40052		8.55.F00052	
8.55.F40053		8.55.F00053	
8.55.F40054		8.55.F00054	
8.55.F40055		8.55.F00055	
8.55.F40060		8.55.F00060	
8.55.F40070		8.55.F00070	
8.55.F40080		8.55.F00080	
8.55.F40090		8.55.F00090	
8.55.F40120		8.55.F00120	
8.55.F40125		8.55.F00125	
8.55.F40150		8.55.F00150	
8.55.F40160		8.55.F00160	
8.55.F40170		8.55.F00170	
8.55.F40171		8.55.F00171	
8.55.F40172		8.55.F00172	
8.55.F40173		8.55.F00173	
8.55.F40180		8.55.F00180	
8.55.F40190		8.55.F00190	
8.55.F40192		8.55.F00192	
8.55.F40230		8.55.F00230	
8.55.F40235		8.55.F00235	

Usually available immediately

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

Specifiche - Specifications

Art. 55A

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore 48-50 mm
(Sovrametallo 15 mm)

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall thickness 48-50 mm
(15 mm stock)

Art. 55B

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

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

Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

Art. 55C

Spalla completamente finito 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 (Vedi pag. 8.3)

Set-up, mounting and allignement for each vise (See page 8.3)

Art. 55E 40 / 50

Spalla a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

2 sides grid tombstone with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

Art. 55F 40 / 50

Spalla a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

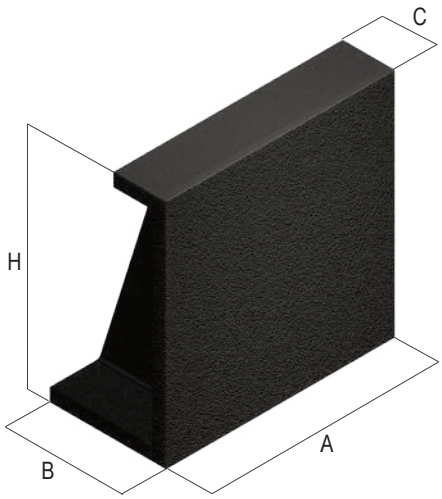
2 sides grid tombstone with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

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

SQUADRE - ANGLES

Art. 56A



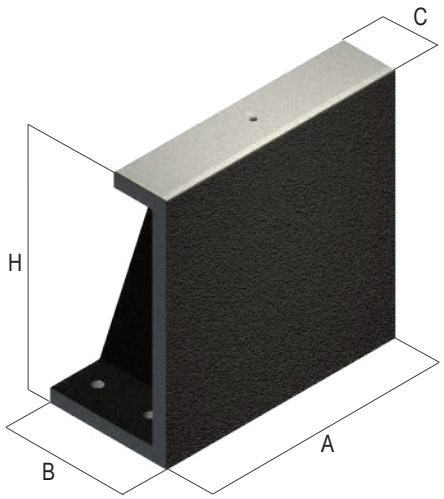
General tolerance +12 / -5 mm

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	340	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



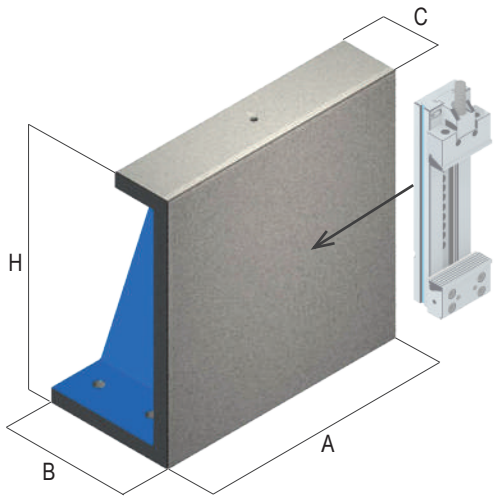
General tolerance +12 / -5 mm

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	340	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 ± **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	330	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	

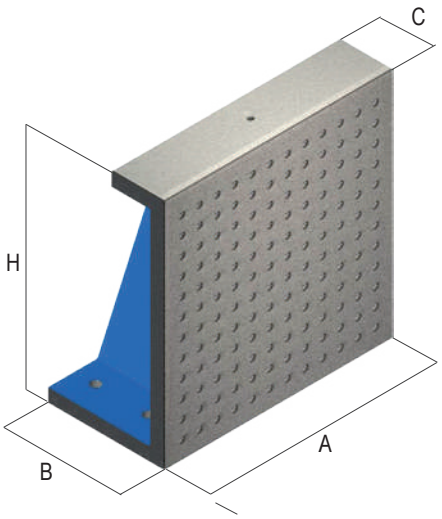
Modelli normalmente presenti a magazzino

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

SQUADRE - ANGLES

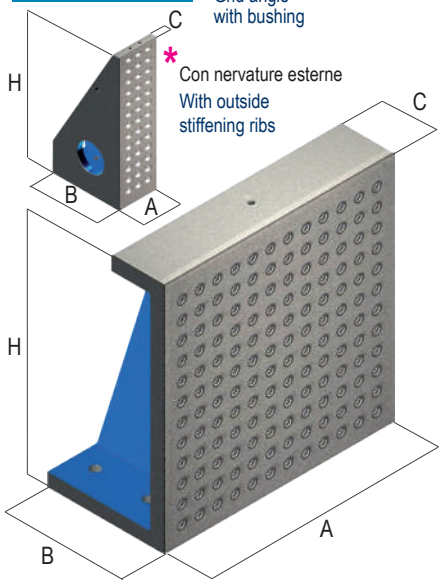
Art. 56E

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

Art. 56E 40		Art. 56E 50	
Cod.		Cod.	
8.56.E40008		8.56.E00008	
8.56.E40009		8.56.E00009	
8.56.E40010		8.56.E00010	
8.56.E40011		8.56.E00011	
8.56.E40012		8.56.E00012	
8.56.E40030		8.56.E00030	
8.56.E40031		8.56.E00031	
8.56.E40040		8.56.E00040	
8.56.E40050		8.56.E00050	
8.56.E40051		8.56.E00051	
8.56.E40060		8.56.E00060	
8.56.E40080		8.56.E00080	
8.56.E40100		8.56.E00100	
8.56.E40101		8.56.E00101	
8.56.E40110		8.56.E00110	
8.56.E40111		8.56.E00111	
8.56.E40120		8.56.E00120	
8.56.E40130		8.56.E00130	
8.56.E40140		8.56.E00140	
8.56.E40150		8.56.E00150	

Art. 56F 40		Art. 56F 50	
Cod.		Cod.	
8.56.F40008		8.56.F00008	
8.56.F40009		8.56.F00009	
8.56.F40010		8.56.F00010	
8.56.F40011		8.56.F00011	
8.56.F40012		8.56.F00012	
8.56.F40030		8.56.F00030	
8.56.F40031		8.56.F00031	
8.56.F40040		8.56.F00040	
8.56.F40050		8.56.F00050	
8.56.F40051		8.56.F00051	
8.56.F40060		8.56.F00060	
8.56.F40080		8.56.F00080	
8.56.F40100		8.56.F00100	
8.56.F40101		8.56.F00101	
8.56.F40110		8.56.F00110	
8.56.F40111		8.56.F00111	
8.56.F40120		8.56.F00120	
8.56.F40130		8.56.F00130	
8.56.F40140		8.56.F00140	
8.56.F40150		8.56.F00150	

Usually available immediately

Specifiche - Specifications

Art. 56A

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore 48-50 mm
(Sovrametallo 15 mm)

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall thickness 48-50 mm
(15 mm stock)

Art. 56B

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

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

Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

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 (Vedi pag. 8.3)

Set-up, mounting and allignement for each vise (See page 8.3)

Art. 56E 40 / 50

Squadra a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid angle with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

Art. 56F 40 / 50

Squadra a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

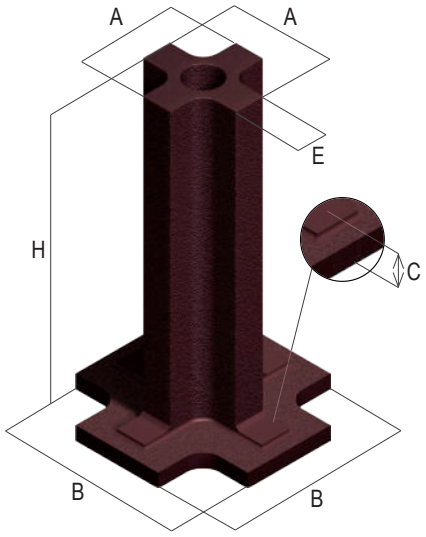
Grid angle with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

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

CUBI A CROCE - CROSS CUBES

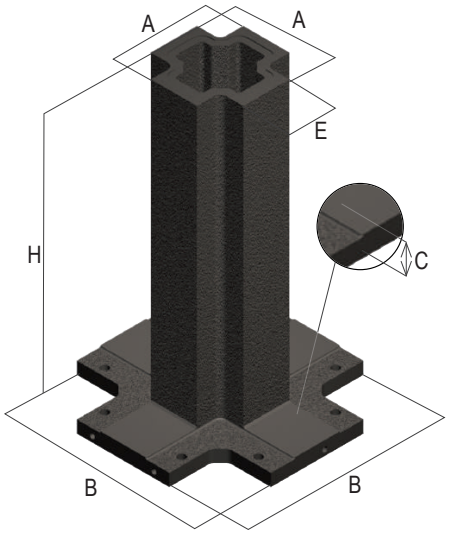
Art. 57A



General tolerance +12 / -5 mm

Dimensioni - Dimensions

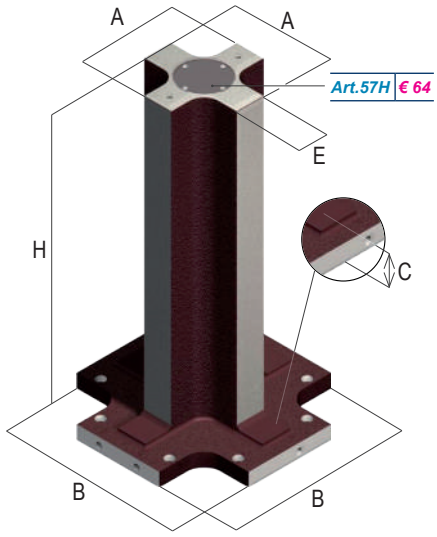
A	B	C	E	H	kg	Cod.	
210	510	55	80	760	172	8.57.A00100	
210	510	55	80	660	156	8.57.A00105	
260	510	55	80	760	212	8.57.A00106	
280	510	55	80	860	254	8.57.A00110	



240	510	55	110	860	237	8.57.A00120	
310	510	55	150	860	291	8.57.A00130	
310	640	55	150	960	357	8.57.A00140	
380	510	55	200	960	419	8.57.A00145	
410	510	60	100	865	254	8.57.A00150	
1010	1260	80	610	910	1711	8.57.A00250	

Art. 57B

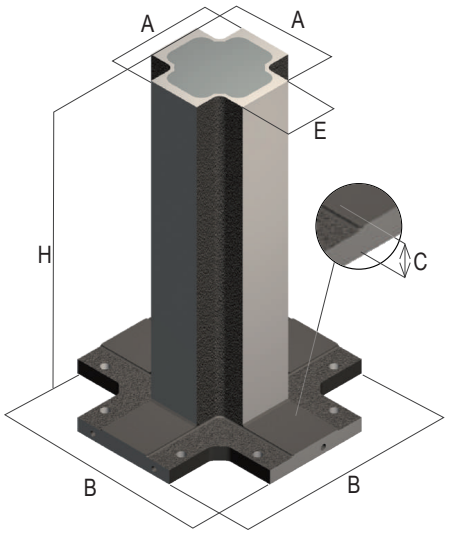
Base finita
Base finished



General tolerance +12 / -5 mm

Dimensioni - Dimensions

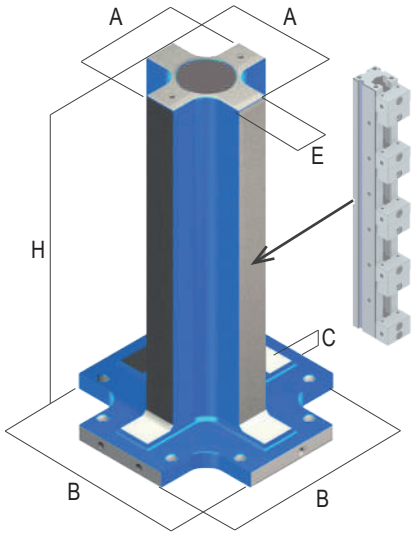
A	B	C	E	H	kg	Cod.	
210	500	50	80	750	157	8.57.B00100	
210	500	50	80	650	142	8.57.B00105	
260	500	50	80	750	197	8.57.B00106	
280	500	50	80	850	242	8.57.B00110	



240	500	50	110	850	218	8.57.B00120	
310	500	50	150	850	269	8.57.B00130	
310	630	50	150	950	327	8.57.B00140	
380	500	50	200	950	400	8.57.B00145	
410	500	55	100	855	241	8.57.B00150	
1010	1250	75	610	900	1562	8.57.B00250	

Art. 57C

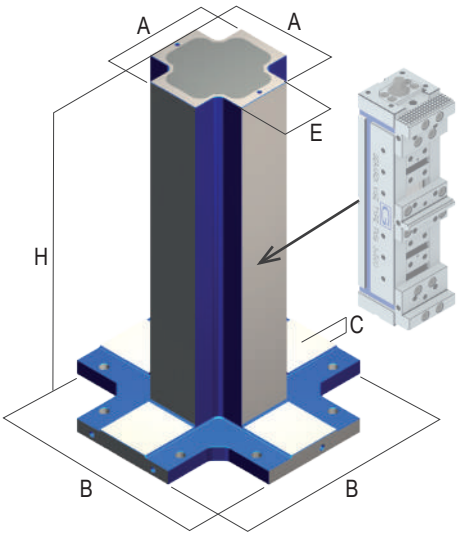
Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.	
200	500	45	80	750	154	8.57.C00100	
200	500	45	80	650	140	8.57.C00105	
250	500	45	80	750	194	8.57.C00106	
270	500	45	80	850	240	8.57.C00110	



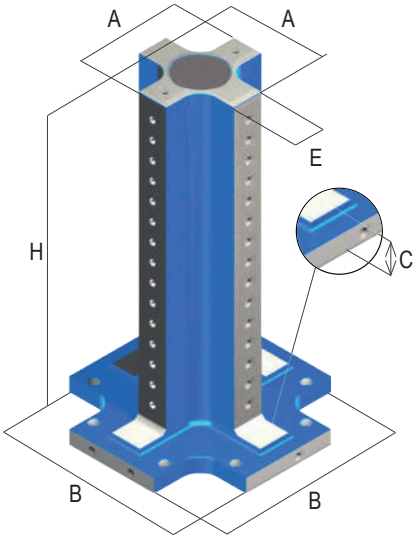
230	500	45	110	850	214	8.57.C00120	
300	500	45	150	850	264	8.57.C00130	
300	630	45	150	950	322	8.57.C00140	
370	500	45	200	950	397	8.57.C00145	
400	500	50	100	855	239	8.57.C00150	
1000	1250	70	600	900	1554	8.57.C00250	

Modelli normalmente presenti a magazzino

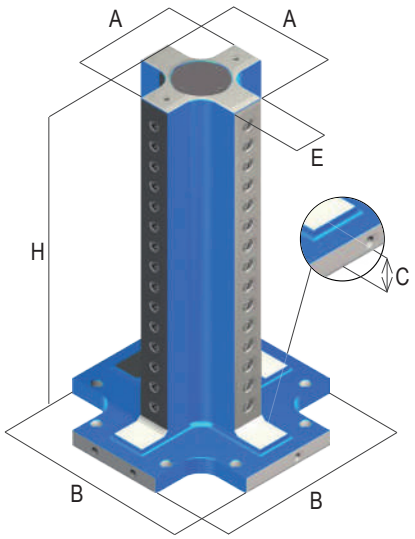
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

CUBI A CROCE - CROSS CUBES

Art. 57E
Reticolo integrale
Grid cube

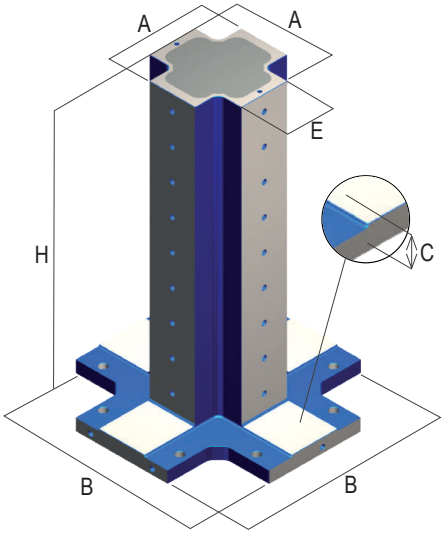


Art. 57F
Reticolo con bussole
Grid cube with bushing



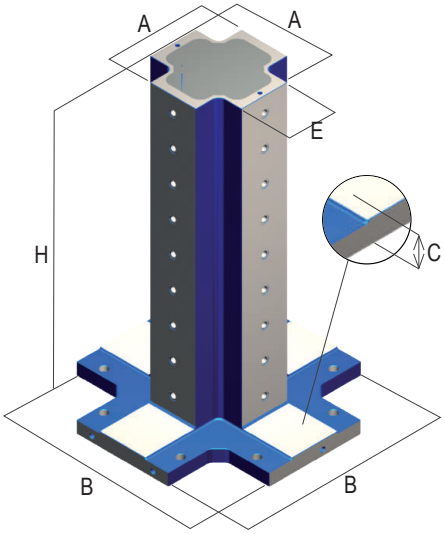
Stesse dimensioni dell'Art. 57C / Same dimensions of Art. 57C
Peso: **-5%** circa rispetto Art. 57C / Weight: About **-5%** of Art. 57C

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	



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	

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.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.F00250	

Usually available immediately

Specifiche - Specifications

Art. 57A

Fusione in ghisa G30 monoblocco con doppio trattamento di distensione.
Pareti con spessore 48-50 mm
(Sovrametallo 15 mm)

One integral G30 cast iron casting with double stress relieving heat treatment.
Wall thickness 48-50 mm
(15 mm stock)

Art. 57B

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

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

Per garantire la compatibilità con le prossime forniture
Finire il cubo consultando ***quota A versione C***
To guarantee compatibility with future supplies
Finish the cube checking ***Dimension A Version C***

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 (Vedi pag. 8.3)

Set-up, mounting and allignement for each vise (See page 8.3)

Art. 57E 40 / 50

Cubo a croce a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Cross cube with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

Art. 57F 40 / 50

Cubo a croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

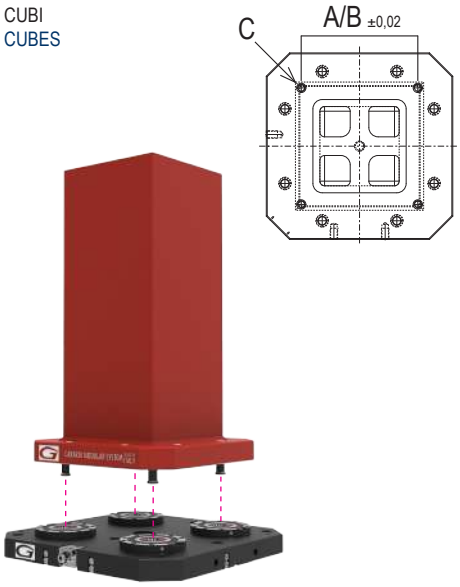
Grid cross cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa (Vedi pag. 8.3)
Mounting and alignement for each vise (See page 8.3)

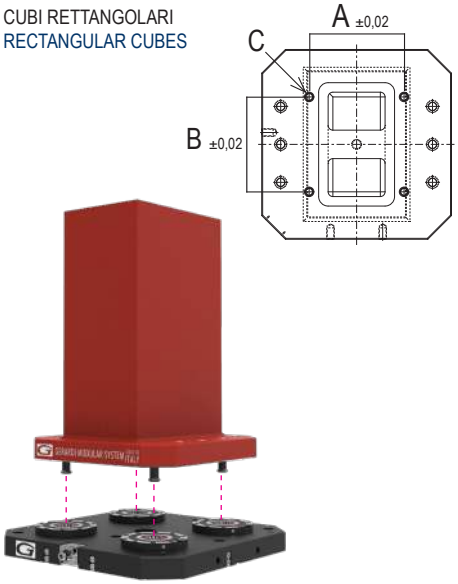
! For different finishing and materials (aluminium), ask for specific quotation

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

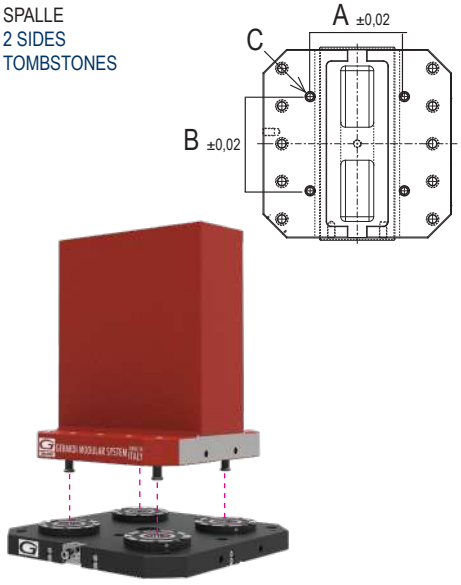
CUBI
CUBES



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	200	200	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

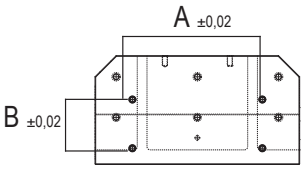
Codice Code	X				A	B	Tirante Pull-stud
8.55.X00010	B	C	E	F	150	-	T2
8.55.X00040	B	C	E	F	150	150	T2
8.55.X00044	B	C	E	F	150	200	T2
8.55.X00045	B	C	E	F	150	200	T2
8.55.X10045	B	C	E	F	200	200	T2
8.55.X00050	B	C	E	F	150	200	T2
8.55.X10050	B	C	E	F	300	300	T2
8.55.X00051	B	C	E	F	200	200	T2
8.55.X00052	B	C	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

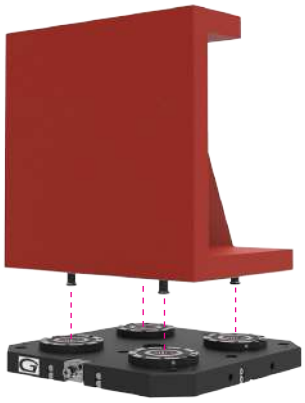
Modelli leggeri - Light versions

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

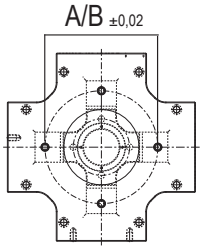
INTERFACCIAMENTO CUBI CON SISTEMA ZERO POINT
INTERFACE CUBES WITH ZERO POINT SYSTEM

SQUADRE
ANGLES





CUBI A CROCE
CROSS CUBES





Art. 81X

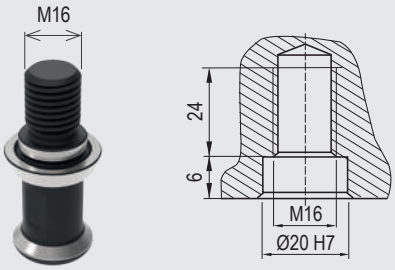
Piastra speciale con Zero-Point disposti a croce.
(sempre a richiesta)

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

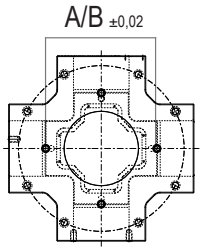
Codice Code	X				A	B	Tirante Pull-stud
8.56.X00008	B	C	E	F	200	-	T2
8.56.X00009	B	C	E	F	200	-	T2
8.56.X00010	B	C	E	F	200	-	T2
8.56.X00011	B	C	E	F	200	200	T2
8.56.X00012	B	C	E	F	200	-	T2
8.56.X00030	B	C	E	F	200	300	T2
8.56.X00031	B	C	E	F	200	300	T2
8.56.X00040	B	C	E	F	200	300	T2
8.56.X00050	B	C	E	F	200	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 Code	X				A	B	Tirante 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





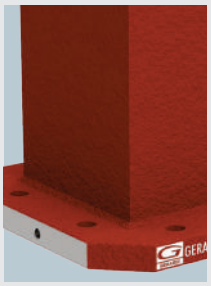
Art. 81X

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 con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.

Casting with base face machined and hand scraped for direct clamping on European or Japaneese 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.
Tollerance ± 0,02 mm

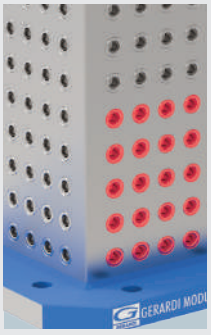


Versione E
Type E

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.
Tollerance ± 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. Tollerance ± 0,02 mm

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

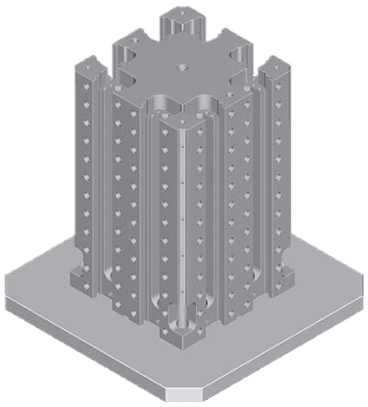
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

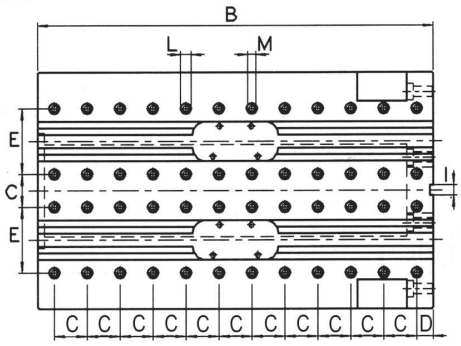
Dimensioni - Dimensions (mm)

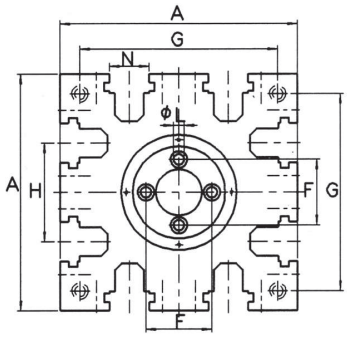
Art. 840

Cubo a reticolo - Corpo base
In ghisa G600

Grid cube - Base body
In cast iron G600







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

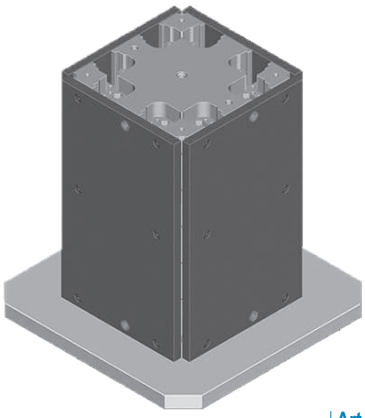
> Non sgrossato di fresa - Not rough milled

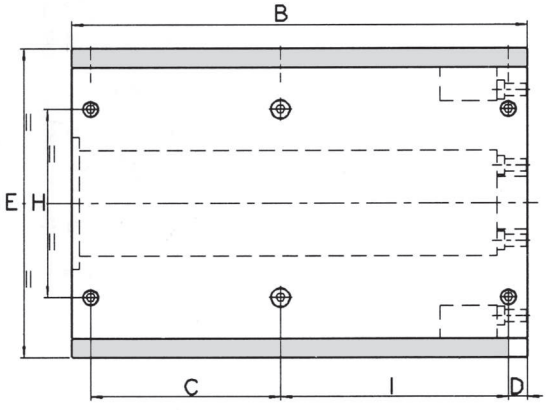
Dimensioni - Dimensions (mm)

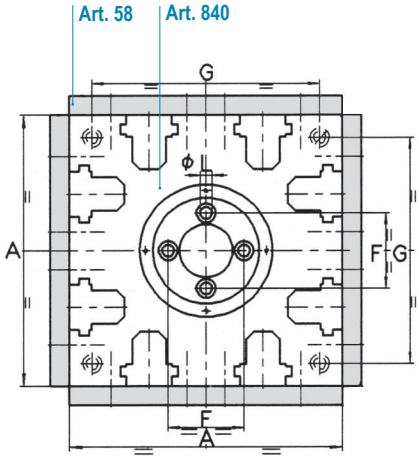
Art. 841

Cubo con piastre riportate

Cube with modular plates







A ±0,02	360
B	600
C ±0,02	250
D ±0,02	25
E ±0,02	410
F ±0,02	100
G ±0,02	300
H	250
I H7	300
L F7	16
M	M12
N ±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.

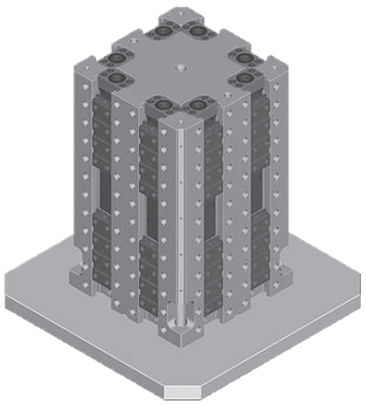
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

Dimensioni - Dimensions (mm)

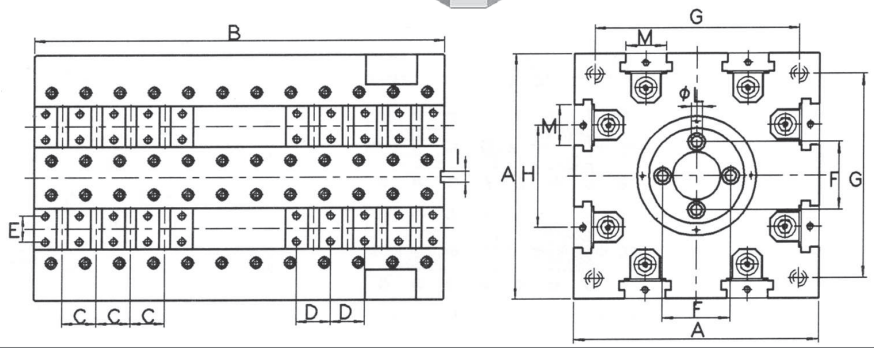
Art. 842

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

Cube with FMS vises without jaws for **16 pcs** clamping



Art.	Pag.
822	5.53
829A	5.52
830	
840	8.22
850B	5.61
850C	



A ±0,02	360
B	600
C ±0,02	50
D ±0,02	50
E ±0,02	38
F ±0,02	100
G ±0,02	300
H	150
I H7	16
L F7	16
M	61
N ±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**)

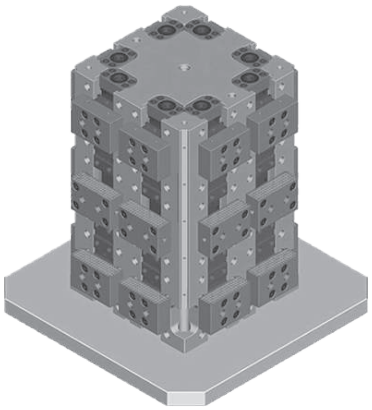
Cod.	5.84.2A360

Dimensioni - Dimensions (mm)

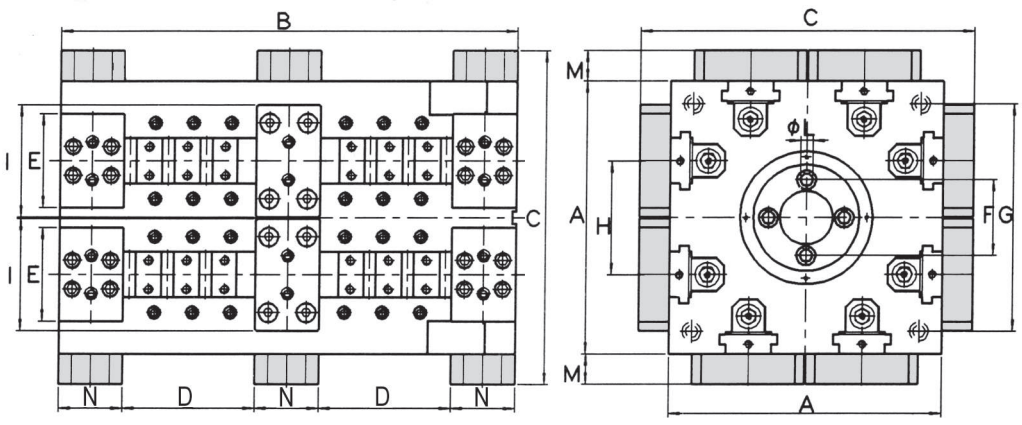
Art. 843

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
810	5.56
822	5.53
829A	5.52
830	
840	8.22
845	8.24
850B	5.61
850C	



A ±0,02	360
B	600
C ±0,02	440
D ±0,02	174
E ±0,02	124
F ±0,02	100
G ±0,02	300
H	150
I H7	148
L F7	16
M	40
N ±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.

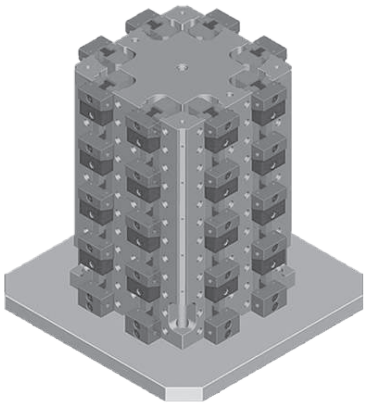
Each cube is supplied of 8 fixed jaw (Art. 845) and 16 movable jaw (Art. 810), 1 box wrench, one pair of key nuts and 16 workstop.

Dimensioni - Dimensions (mm)

Art. 844

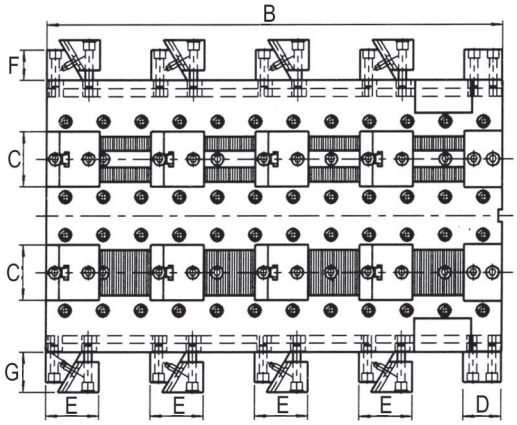
Cubo con morse Multiflex per il bloccaggio di 32 pezzi e oltre

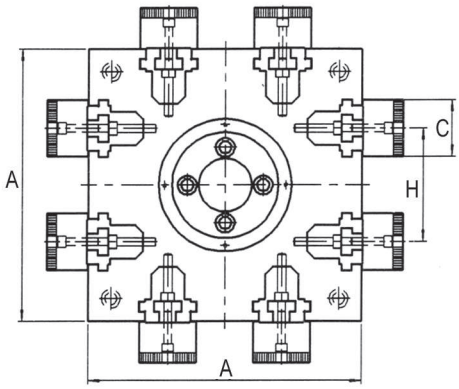
Cube with Multiflex vises for clamping 32 pcs. and over



Art.	Page
840	8.22
604	6.32
605	6.33

A ±0,02	360
B	600
C ±0,02	75
D ±0,02	50
E ±0,02	70 / 75
F ±0,02	40
G ±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 laterali.

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

Art. 844A

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

Cod.	5.84.4A360

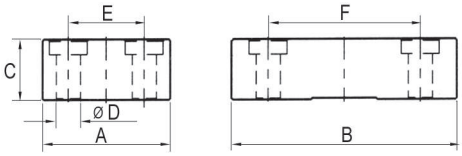
ACCESSORI - ACCESSORIES

Dimensioni - Dimensions (mm)

Art. 845

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



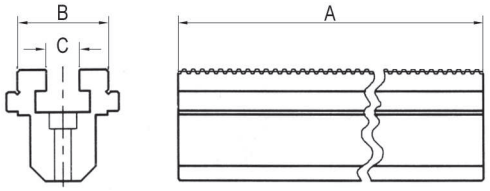


A ±0,02	84
B	148
C ±0,02	140
D F7	16
E	50
F	100
Cod.	5.84.53600

Art. 846

Guida integrale per cubo MULTIFLEX
Solid guide for MULTIFLEX cube





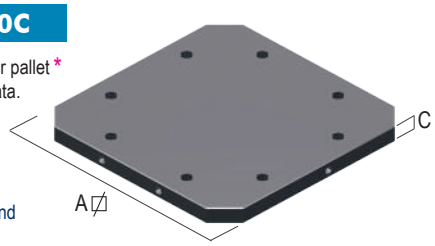
A ±0,02	600
B ±0,02	61
C ±0,02	22
Cod.	5.84.63600

8

SOVRATAVOLE QUADRATE / SQUARE BASE PLATES

Art. 60C

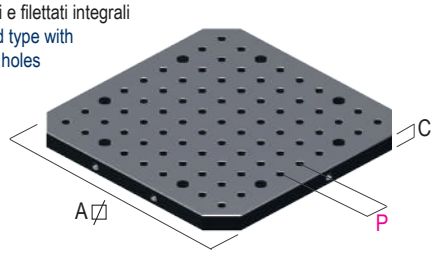
Piastra base per pallet * liscia interfacciata.
Piani rettificati
Tailor made smooth pallet * base plate.
Two faces ground



Dimensioni - Dimensions (mm) A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	ALLUMINIO / ALUMINUM AL5083 Kg	Cod.
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

Art. 60E

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



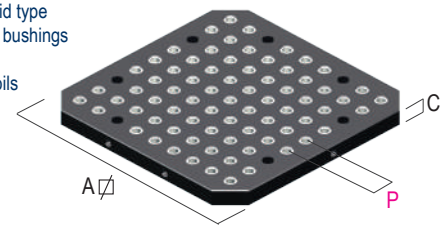
P = Passo 40 o 50mm Pitch 40 or 50mm

A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	P = 40	P = 50	ALLUMINIO / ALUMINUM AL5083 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		

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 16 / M12**

Art. 60F

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



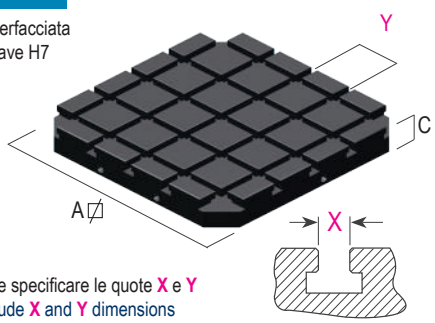
P = Passo 40 o 50mm / Pitch 40 or 50mm

A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	P = 40	P = 50	ALLUMINIO / ALUMINUM AL5083 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		

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 16 / M12**

Art. 60G

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

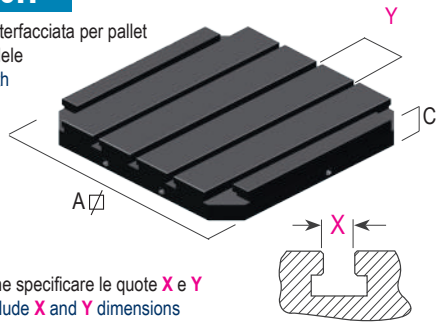


In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

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

Art. 60H

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

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

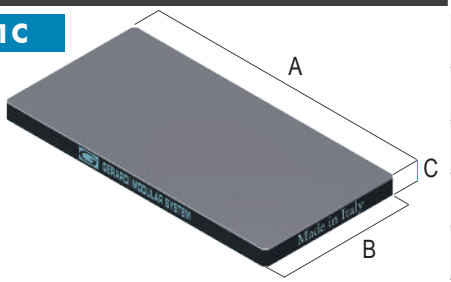
! Per lavorazioni o materiali diversi (ghisa), richiedere quotazione specifica
For different finishing and materials (cast iron), ask for specific quotation

8

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE

Art. 61C

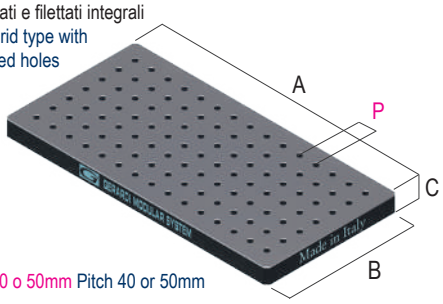
Piastra base liscia interfacciata. Piani rettificati
Smooth base plate. Faces ground



Dimensioni - Dimensions (mm) A	B	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 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



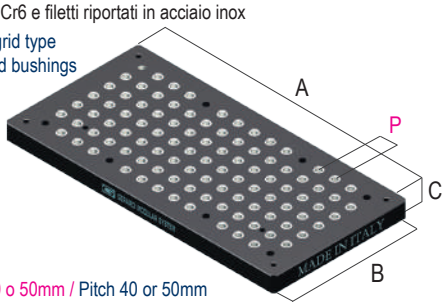
P = Passo 40 o 50mm Pitch 40 or 50mm

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 ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 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



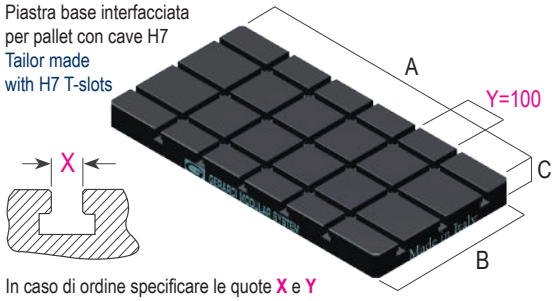
P = Passo 40 o 50mm / Pitch 40 or 50mm

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 ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 16 / M12**

Art. 61G

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

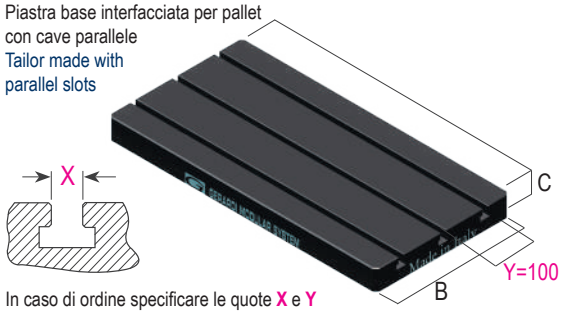


In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

A	B	C	X	ACCIAIO - STEEL METAL Fe420 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

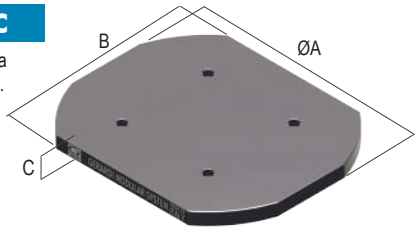
A	B	C	X	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
600	400	73	16	122	8.61.H40600S	
600	500	73	16	155	8.61.H50600S	
800	400	73	16	165	8.61.H40800S	
900	450	73	16	212	8.61.H45900S	
1000	500	73	16	237	8.61.H50100S	

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

SOVRATAVOLA TONDA / ROUNDED BASE

Art. 62C

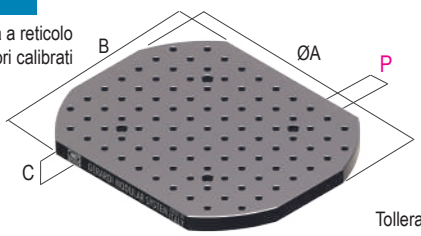
Piastra base tonda liscia interfacciata. Piani rettificati
Rounded smooth base plate. Faces ground



Dimensioni - Dimensions (mm) ØA	B	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 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

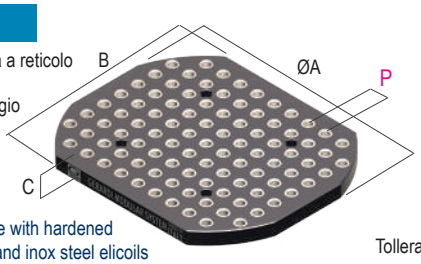


ØA	B	C	Kg	Cod.	P = 50	Kg	Cod.	P = 50
400	320	38	37	8.62.E4032S		13	8.62.E4032A	
500	400	38	58	8.62.E5040S		21	8.62.E5040A	
630	500	38	93	8.62.E6350S		33	8.62.E6350A	
800	630	38	150	8.62.E8063S		-	8.62.E8063A	

Tolleranza ± 0,02 mm, □ Interasse reticolo **50**mm = **Ø 16** / **M12** Tolerance ± 0,02 mm, □ Grid pitch **50**mm = **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

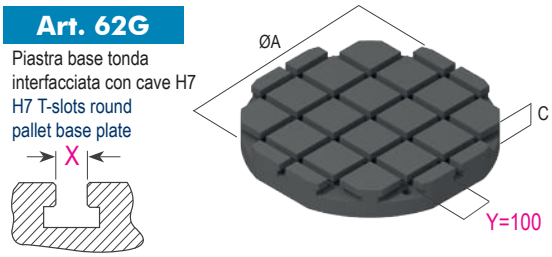


ØA	B	C	Kg	Cod.	P = 50	Kg	Cod.	P = 50
400	320	38	-	8.62.F4032S		-	8.61.F4032A	
500	400	38	-	8.62.F5040S		-	8.62.F5040A	
630	500	38	-	8.62.F6350S		-	8.62.F6350A	
800	630	38	-	8.62.F8063S		-	8.62.F8063A	

Tolleranza ± 0,02 mm, □ Interasse reticolo **50**mm = **Ø 16** / **M12** Tolerance ± 0,02 mm, □ Grid pitch **50**mm = **Ø 16** / **M12**

Art. 62G

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

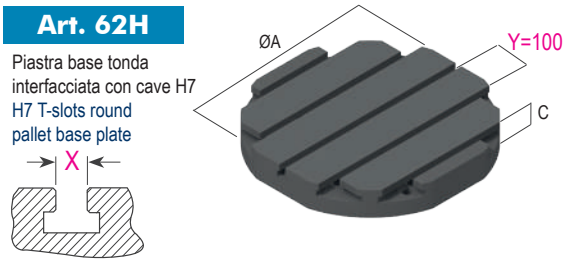


ØA	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
400	73	-	8.62.G4032S	
500	73	-	8.62.G5040S	
630	73	-	8.62.G6350S	
800	73	-	8.62.G8063S	

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



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

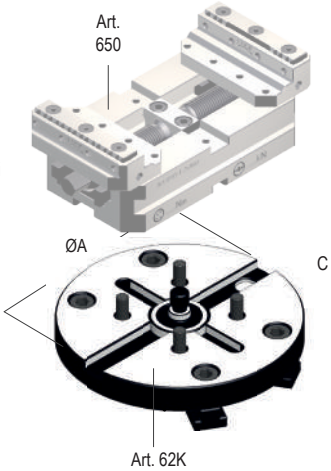
In caso di ordine specificare le quote **X** e **Y** - Order must include **X** and **Y** dimensions

KIT PIASTRE DI INTERFACCIA TONDE PER TAVOLE ROTANTI
INTERFACED PLATES KIT FOR ROTARY TABLE

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 intefaced for rotary tables with H7 key ways. Available for most important machining centers manufacturers.



ØA	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 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.

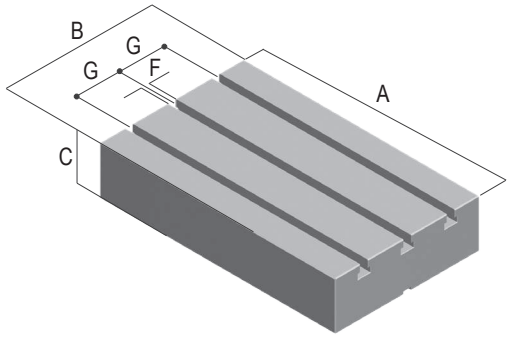
Kit per montaggio e allineamento incluso - Kit for mounting and alignment included

SOVRATAVOLA - BASE PLATES

ACCIAIO - STEEL METAL Fe420

Art. 86G

Piastra base con cave H7
H7 T-slots base plate



Dimensioni - Dimensions (mm) A	B	C	F	G	Kg	Cod.
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*

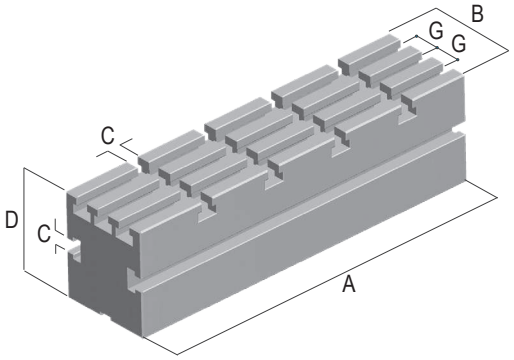
* Misure disponibli a richiesta - Sizes available on request

SOVRATAVOLA - BASE PLATES

ACCIAIO - STEEL METAL Fe420

Art. 94

Supporto base con cave H7 **temprato**
H7 T-slots support base plate **case hardened**



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

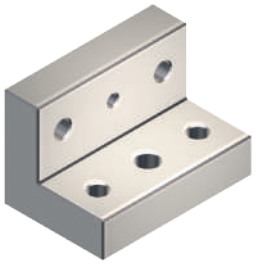
Dimensioni - Dimensions (mm) A	B	C H7	D	G	Kg	Cod.
400	125	14	140	50	46	8.94.400125
600	125	14	140	50	68	8.94.600125
800	125	14	140	50	92	8.94.800125
1000	125	14	140	50	114	8.94.1000125

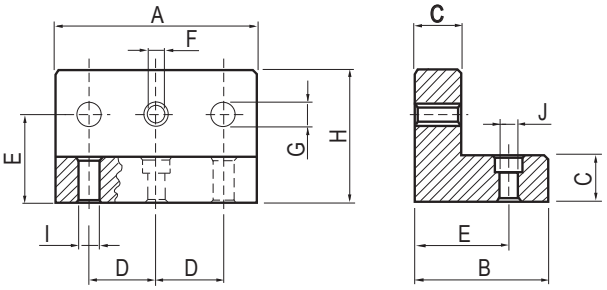
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminium), ask for specific quotation

ELEMENTI MODULARI - MODULAR ELEMENTS

Dimensioni - Dimensions (mm)	A	B	C	D	E	F	G	H	I	J	kg	Cod.
	120	80	30	40	60	M10	12	80	12	11	3,5	8.66.402210
Art. 66	120	100	35	50	70	M12	16	100	16	13	6	8.66.502210

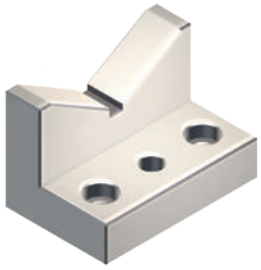
Squadra piccola
Angle small

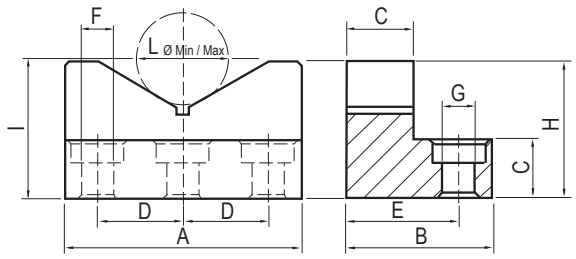




	A	B	C	D	E	F	G	H	I	L	kg	Cod.
Art. 68	120	80	30	40	60	12	11	80	86	30 / 180	3	8.68.402410
	150	100	35	50	70	16	13	100	98	30 / 220	5	8.68.502410

Squadra a "V"
V-block



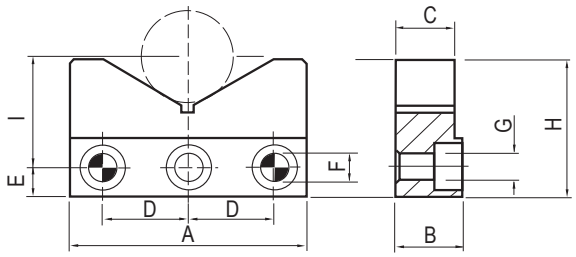


QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

	A	B	C	D	E	F	G	H	I	L	kg	Cod.
Art. 69	120	30	27	40	20	12	11	80	66	30 / 180	3	8.69.402610
	150	35	30	50	20	16	13	100	68	30 / 220	16	8.69.502610

Piastra a "V"
V-pad

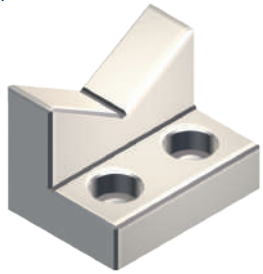


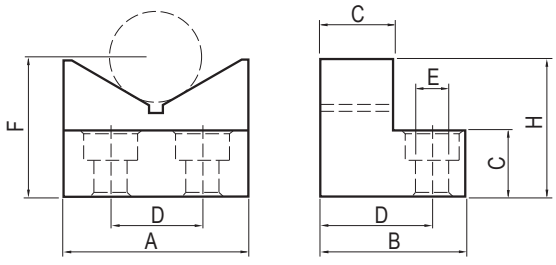


QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

	A	B	C	D	E	F	G	H	I	L	kg	Cod.
Art. 69A	98	74	35	50	16	78	-	78	-	30 / 150	3	8.69.A510180

Squadra modulare a "V"
Modular V-block



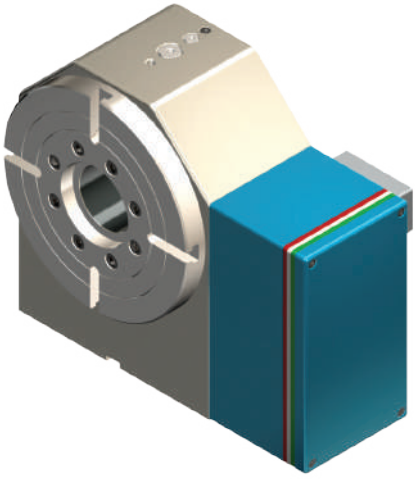


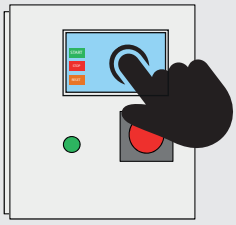
QUOTA "I" RILEVATA CON Ø50 h7 - "I" DIMENSION Ø50 h7

DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250





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

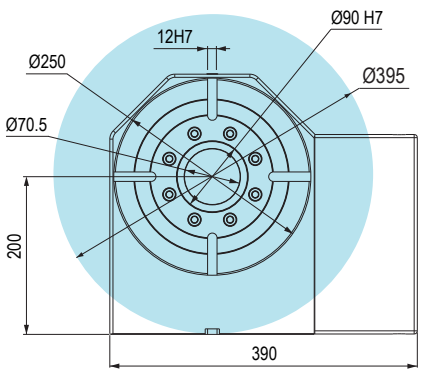
EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

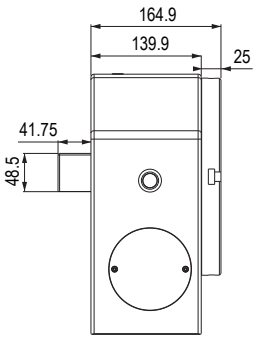
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento 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°

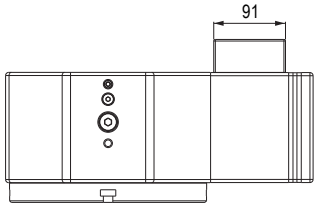
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization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

Dati tecnici Technical Data		
Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Cleareance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

DPG 250



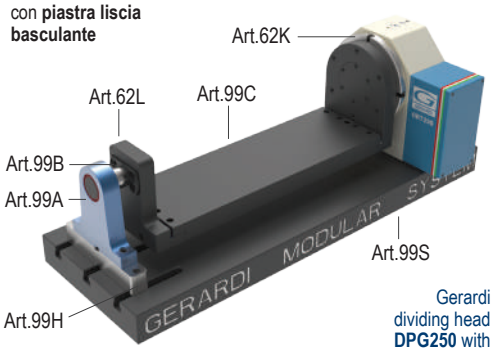




Versione piastra basculante
Tilting plate type

		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

Divisore Gerardi **DPG250** con **piastra liscia basculante**

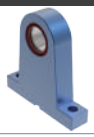


Gerardi dividing head **DPG250** with **tilting smooth plate**

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, 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 alignement system for tilting table



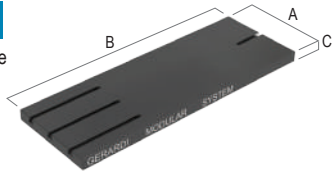
Cod. 8.62.KADPG250

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

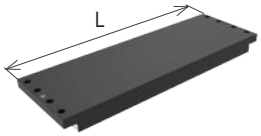


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
900	400	50	141	7.99.S090S	
1200	400	50	188	7.99.S120S	
1500	400	50	234	7.99.S150S	

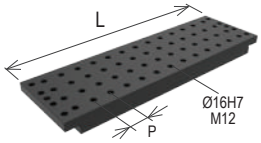
Cave o fori calibrati su richiesta
Slot or calibrated holes on request

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

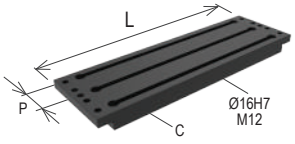
Art. 99C
Piastra liscia
Interface plate



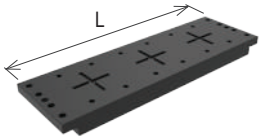
Art. 99E
Piastra a reticolo integrale
Grid plate



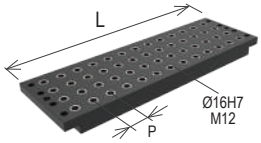
Art. 99G
Piastra con cave
Plate with slots grooved type



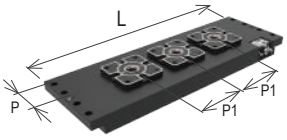
Art. 99D
Piastra personalizzata
Personalized plate



Art. 99F
Piastra a reticolo con bussole e filetti riportati
Grind plate with bushings and elicoils



Art. 99P
Piastra con zero point
Zero point plate



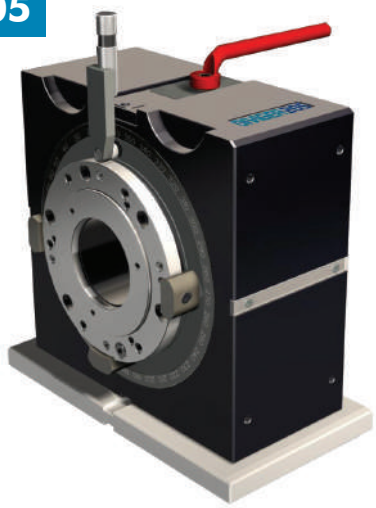
Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300 350	-	-	-
99F	400 450	50	-	-
99G	500 550	Su richiesta On request	Su richiesta On request	-
99D	600	-	-	-
99E	650 700	50	-	-
99P	750 800	150 - 200 250 - 300	-	100 - 150 200

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



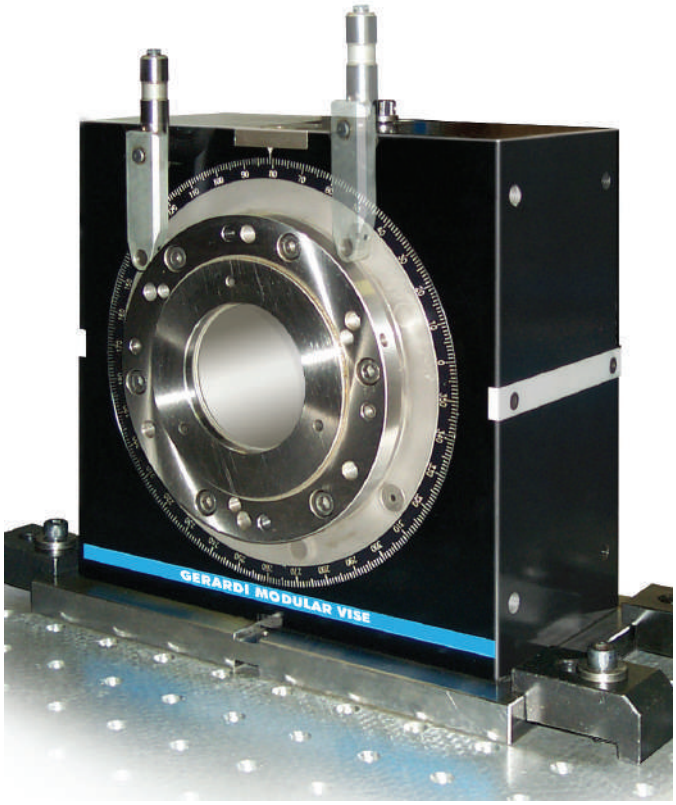
Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione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

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

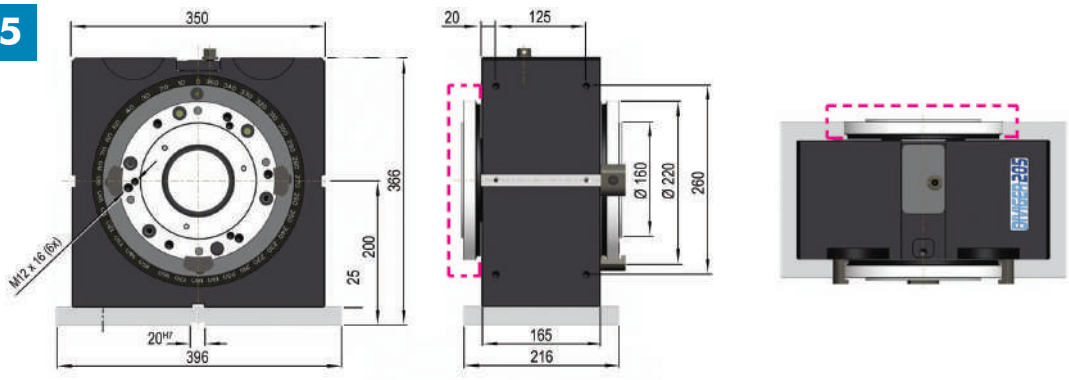
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- 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 horizontaly or vertically
- Quick change through wedge clamping

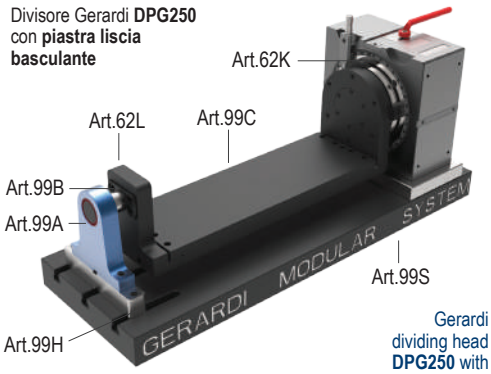


DIVIGER 205



Versione piastra basculante
Tilting plate type

Divisore Gerardi **DPG250** con **piastra liscia basculante**



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

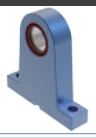
		C	D	E	F	G	P
500	Cod.	8.DI.V250C5	8.DI.V250D5	8.DI.V250E5	8.DI.V250F5	8.DI.V250G5	8.DI.V250P5
600	Cod.	8.DI.V250C6	8.DI.V250D6	8.DI.V250E6	8.DI.V250F6	8.DI.V250G6	8.DI.V250P6
700	Cod.	8.DI.V250C7	8.DI.V250D7	8.DI.V250E7	8.DI.V250F7	8.DI.V250G7	8.DI.V250P7
800	Cod.	8.DI.V250C8	8.DI.V250D8	8.DI.V250E8	8.DI.V250F8	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 diviger, 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 alignement system for tilting table



Cod.	8.62.KADIV205

Art. 62L

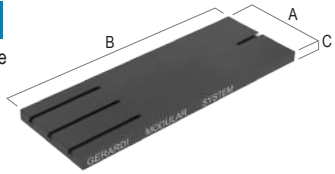
Piastra di interfaccia per perno di centraggio
Connecting plate for centering pin



Cod.	8.62.L250000

Art. 99S

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



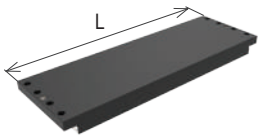
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
900	400	50	141	7.99.S090S	
1200	400	50	188	7.99.S120S	
1500	400	50	234	7.99.S150S	

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

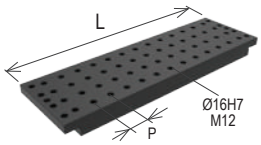
Art. 99C

Piastra liscia
Smooth plate



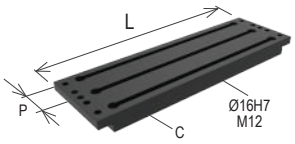
Art. 99E

Piastra a reticolo integrale
Grid plate



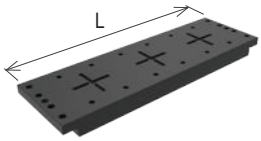
Art. 99G

Piastra con cave
Plate with slots grooved type



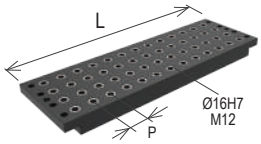
Art. 99D

Piastra personalizzata
Personalized plate



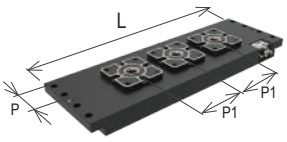
Art. 99F

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



Art. 99P

Piastra con zero point
Zero point plate



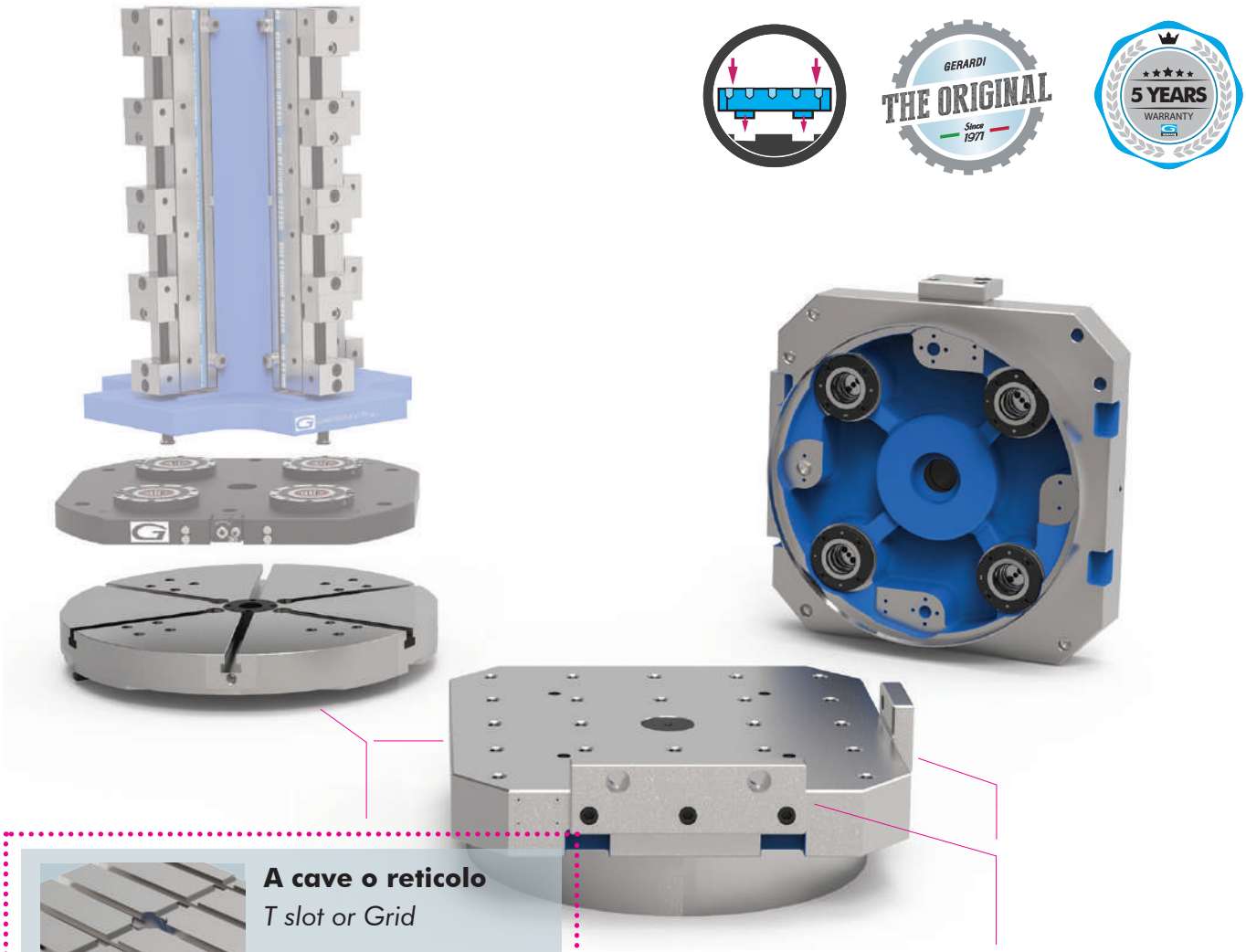
Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300 350	-	-	-
99F	400 450	50	-	-
99G	500 550	Su richiesta On request	Su richiesta On request	-
99D	600	-	-	-
99E	650 700	50	-	-
99P	750 800	150 - 200 250 - 300	-	100 - 150 200

PALLETS

Precisione / Accuracy
±0,005mm

Il miglior pallet per il tuo centro di lavoro orizzontale

The best pallet for your horizontal machining centre

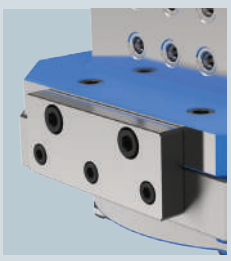


A cave o reticolo

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!

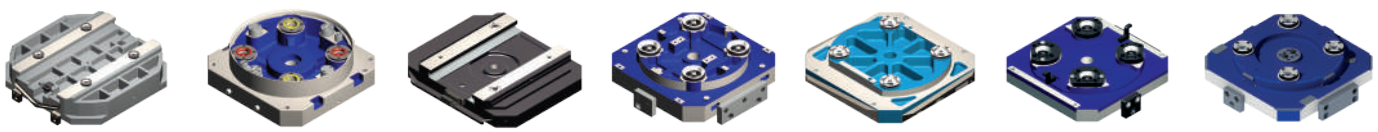


Arresto laterale

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**

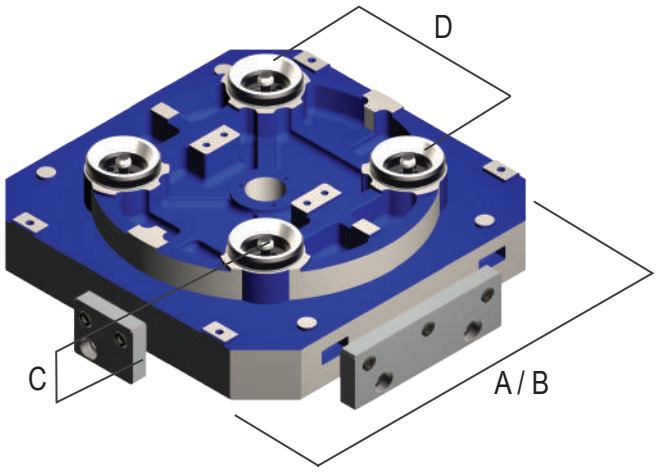


1	**Art.85B TIRANTE** PULL-STUD
2	**VITI DI FISSAGGIO** FIXING SCREWS
3	**Art.85C BUSSOLA CONICA** CONIC BUSHING
4	**Art.85D SPESSORE** SPACER
5	**VITI DI FISSAGGIO** FIXING SCREWS
6	**Art.85L BUSSOLA DI CENTRAGGIO** CENTERING BUSHING
7	**Art.85E PIASTRA GRANDE** BIG PLATE

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

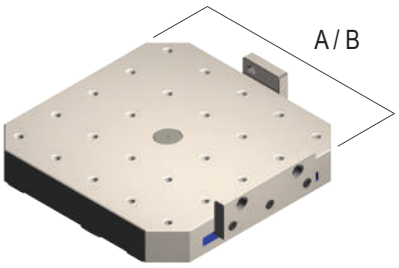
PALLET MAKINO
MAKINO PALLET

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



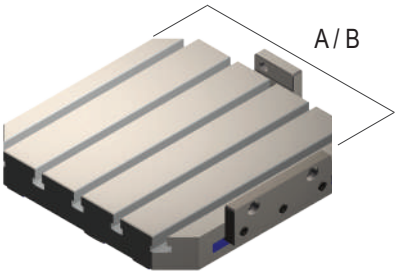
Art. 85

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*



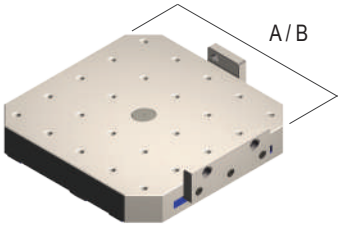
Art. 85F

Piastra piccola
Small plate

Cod.	8.85.F....MAK*

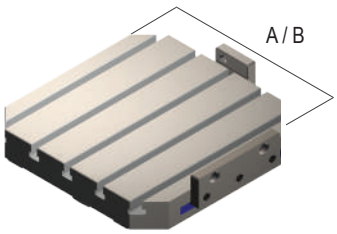
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAK / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAK

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 A66E - A77E - A66	8.85.5050MAK	
500	630	168	300	A71	8.85.5063MAK	
630	630	168	300	A81 - A81M - A82 - A88 A88E A77 - A82M - A81NX	8.85.6363MAK	
800	800	168	400	A99E	8.85.8080MAK	

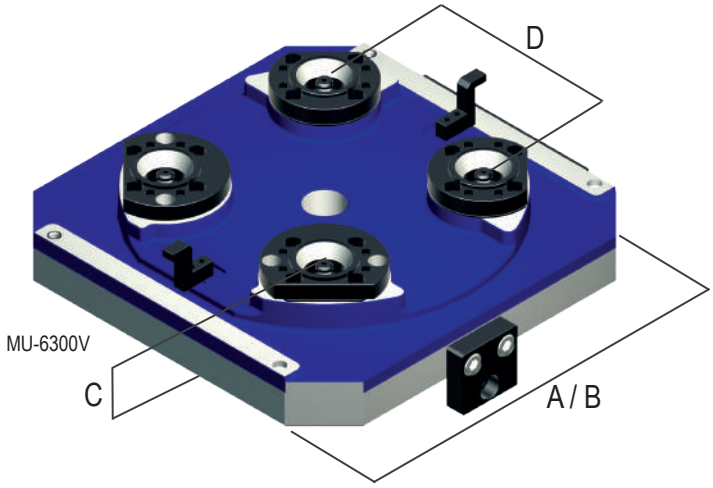
PALLET MAKINO Art.86

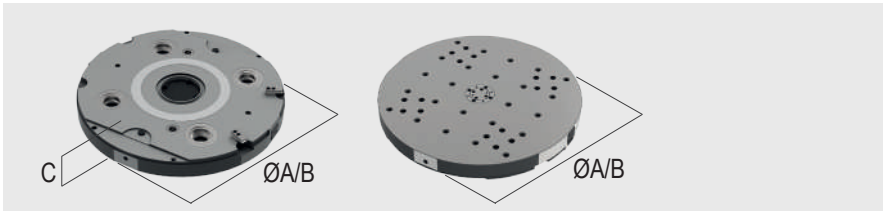


Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.	
400	400	115	200	A51NX - A51 - A55	8.86.4040MAK	
500	500	115	200	A55E - A66	8.86.5050MAK/200	
500	500	138	240	A61NX - A61 A66E - A77E - A66	8.86.5050MAK	
500	630	168	300	A71	8.85.5063MAK	
630	630	168	300	A81 - A81M - A82 - A88 A88E A77 - A82M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

PALLET OKUMA
OKUMA PALLET

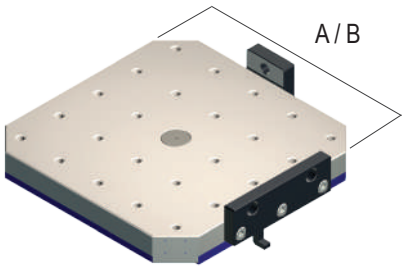
Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**





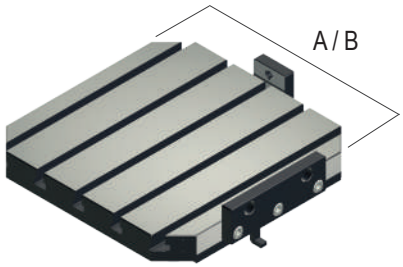
Art. 85

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

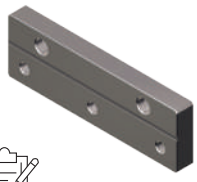


Art. 86

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



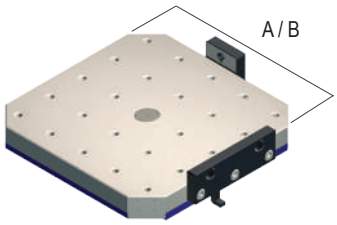
Art. 85F

Piastra piccola
Small plate

Cod.	8.85.F....OKU*

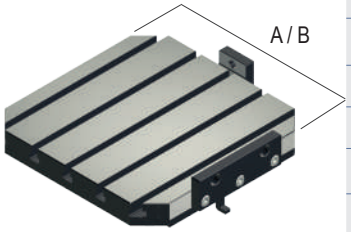
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050OKU / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050OKU

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	122	320	MA 600 H II - MA 60 H	8.85.6363OKU
Ø630	Ø630	63	300	MU 6300V	8.85.630OKU2
800	800	146	400	MA 800 HB	8.85.8080OKU
1000	1000	-	-	MB 10000 H	8.85.1010OKU

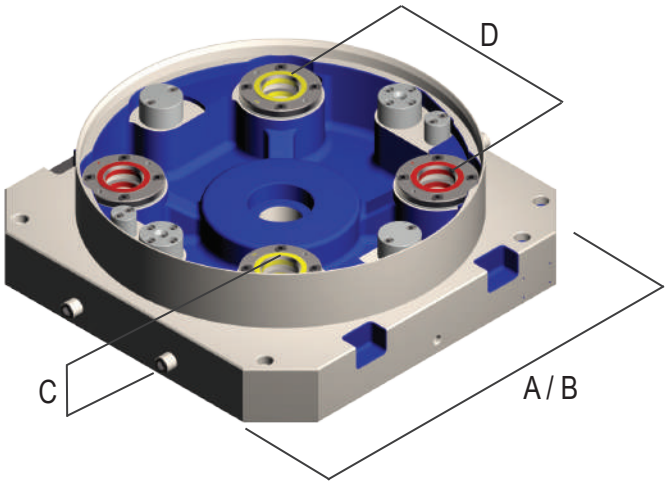
PALLET OKUMA Art.86



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	122	320	MA 600 H II - MA 60 H	8.86.6363OKU
Ø630	Ø630	63	300	MU 6300V	8.86.630OKU2
800	800	146	400	MA 800 HB	8.86.8080OKU
1000	1000	-	-	MB 10000 H	8.86.1010OKU

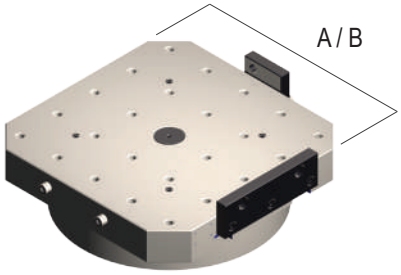
PALLET DMG-MORI
DMG-MORI PALLET

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



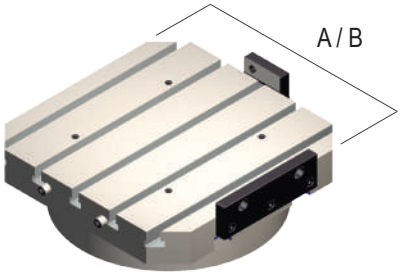
Art. 85

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*



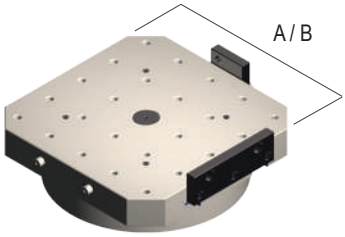
Art. 85F

Piastra piccola
Small plate

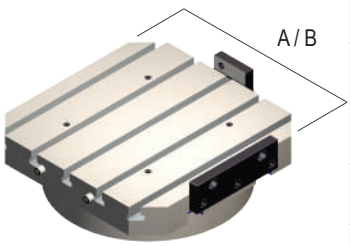
Cod.	8.85.F....DMG*

*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

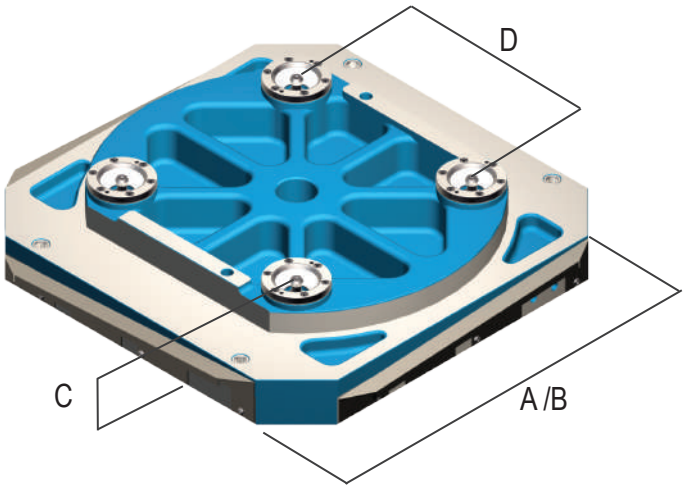
Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.	
	400	400	86	190	NHX 4000 2° - NH 4000 DCG	8.85.4040DMG	
	500	500	120	250	NHX 5000 2° - NHX 5500 NH 5000 DCG/40	8.85.5050DMG	
	630	630	157	300	NHX 6300 - NH 6300 DCGII DMC 80H douBLOCK - DMC 80H linear	8.85.6363DMG	
	800	800	215	450	NHX 8000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

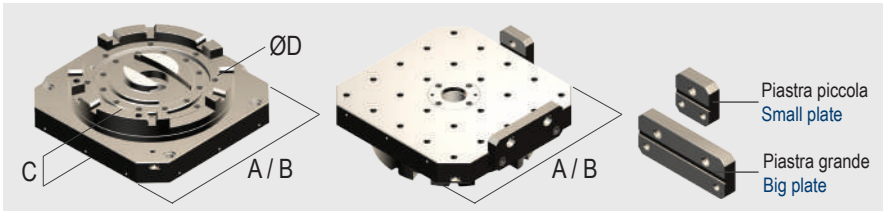
PALLET DMG MORI Art.86

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 NH 5000 DCG/40	8.86.5050DMG	
	630	630	157	300	NHX 6300 - NH 6300 DCGII DMC 80H douBLOCK - DMC 80H linear	8.86.6363DMG	
	800	800	215	450	NHX 8000 DMC 100H douBLOCK - DMC 125H douBLOCK	8.86.8080DMG	
	1000	1000	-	-	NHX 10000	8.86.1010DMG	

PALLET MAZAK
MAZAK PALLET

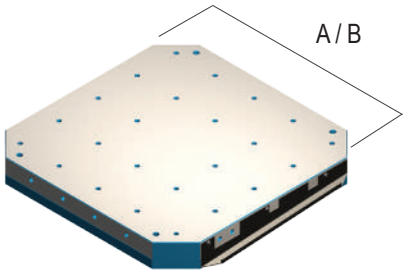
Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione.Massima precisione
Solid cast iron cast G30 with double stress relieving heat treatment.Highest accuracy





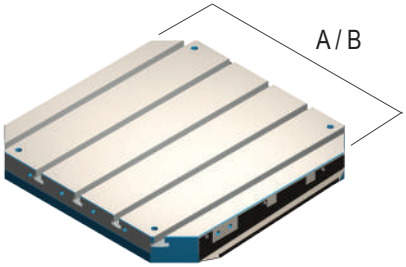
Art. 85

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



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....MAZ*



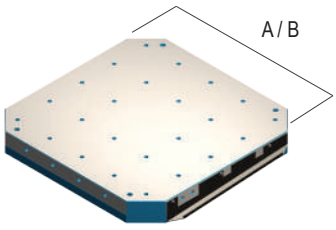
Art. 85F

Piastra piccola
Small plate

Cod.	8.85.F....MAZ*

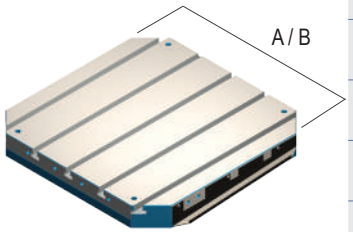
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAZ / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAZ

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 NEXUS 5000III - NEXUS 6000II	8.85.5050MAZ
630	630	136	320	HCN 6800 - NEXUS 6800 II 6800 II HM PACKAGE	8.85.6363MAZ
800	800	167	420	M 8800 - HCN 8800 NEXUS 8800II - MEGA 8800	8.85.8080MAZ
1000	1000	-	-	M 10800 - HCN 10800 NEXUS 10800II - 10800II HM PACKAGE	8.85.1010MAZ

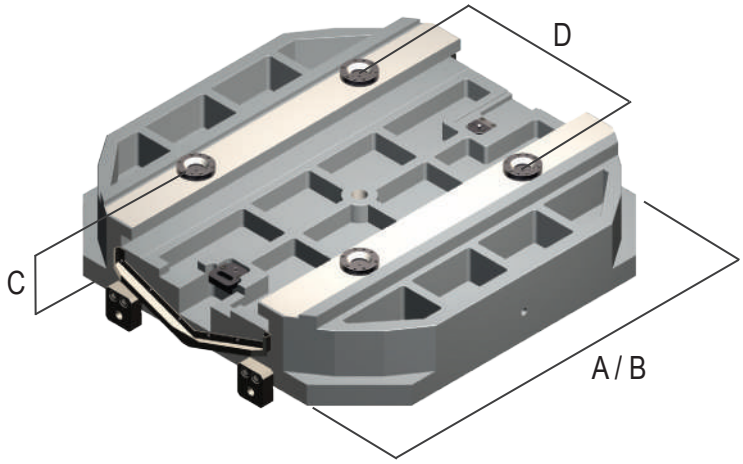
PALLET MAZAK Art.86



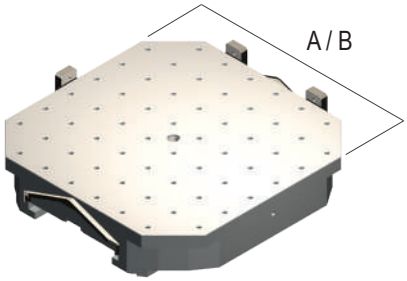
Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	95	200	HCN 4000 - NEXUS 4000III	8.86.4040MAZ
500	500	95	200	HCN 5000 - HCN 5000/50 NEXUS 5000III - NEXUS 6000II	8.86.5050MAZ
630	630	122	320	HCN 6800 - NEXUS 6800 II 6800 II HM PACKAGE	8.86.6363MAZ
800	800	146	400	M 8800 - HCN 8800 NEXUS 8800II - MEGA 8800	8.86.8080MAZ
1000	1000	-	-	M 10800 - HCN 10800 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**



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*

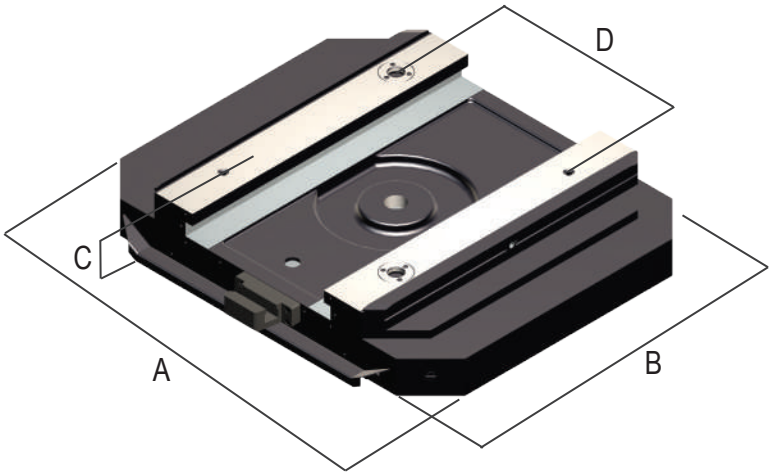
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DOO / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DOO

PALLET DOOSAN Art.85

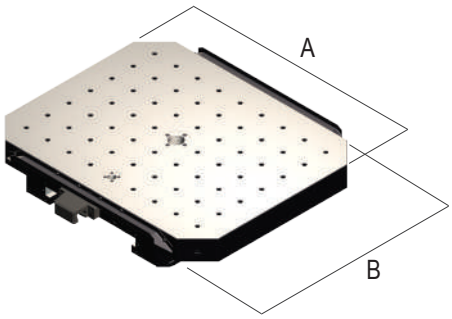
Dimensioni - Dimensions (mm)	**A**	**B**	**C**	**D**	**Modelli** / Models	**Cod.**	
	1250	1250	268	620	HM - 1250	8.85.125125DO	

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**



Art. 85
Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



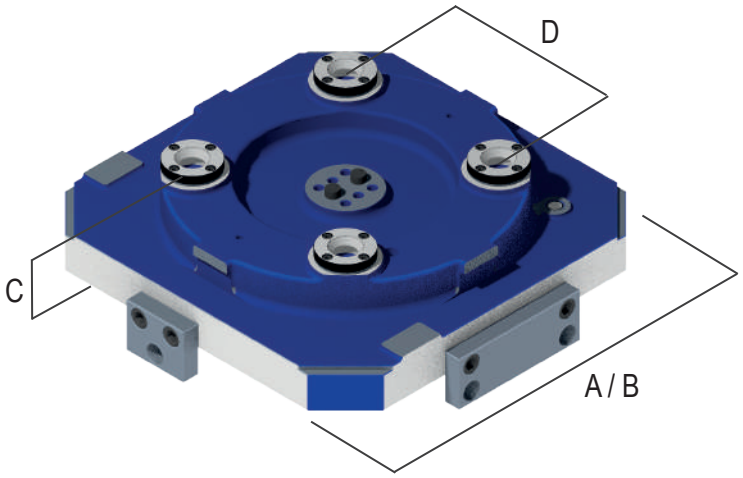
PALLET MANDELLI Art.85

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

PALLET KIWA
KIWA PALLET

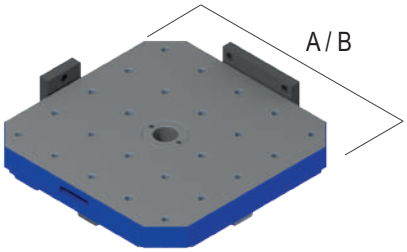


Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione.**Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment.**Highest accuracy**



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

Art. 53C — **Cubo lavorato** / Machined cube



Dim. A=350 / B=500 / H=700

Cod. 8.53.C00171

Art. 1 — **Tipo di morsa** / Vise type



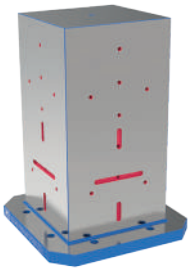
Art.1 Type 4x300

Cod. 3.04.30000

Numero morse / Vises number x 4

+

Predisposizione e montaggio completo
Complete set up & mounting



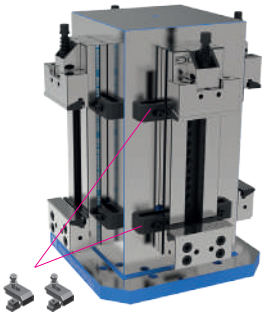
Cod. MAN-040-STD
Cod. MAN-040-FMS
Cod. MAN-040-POR

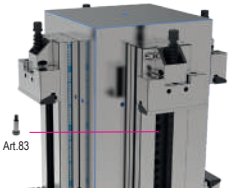
Per morsa / each vise

+

Realizzazione di fori filettati o fori di fissaggio (da un minimo di 4 a un massimo di 6), fori calibrati o chiavette (da un minimo di 2 a un massimo di 3).
Creation of threaded holes or screw holes (minimum 4 and maximum 6), calibrated holes or key-ways (minimum 2 and maximum 3).

Cubo con morse
Cube with vises



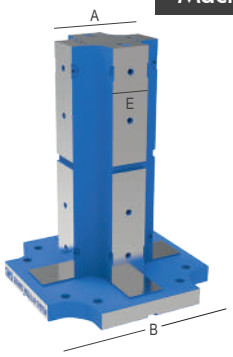


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TABULATO controllo DEA - MAN-100-POR :
PRINTOUT DEA control - MAN-100-POR :

MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO
VISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

Art. 57G — **Cubo lavorato** / Machined cube



Dim. A=200 / B=500 / E= 80 H=650

Cod. 8.57.G00105

Art. 600 — **Tipo di morsa** / Vise type



Art.600 Tipo 2x600

Cod. 6.60.02600

Numero morse / Vises number x 4

+

Montaggio ed allineamento (standard)
(Standard) Assembly and alignment



Cod. MAN-070-STD
Cod. MAN-070-FMS
Cod. MAN-070-POR

Per morsa / each vise

+

Montaggio di una o più morse e/o attrezzature già predisposte tra loro comprensivo di controllo manuale. Il prezzo di listino comprende manodopera, viti, staffe e tasselli per singola morsa.
Assembly of one or more vises or equipments already interfaced between themselves complete of manual check. The list price includes working hours, screws, holding clamps and key-nuts for only one vise.

Cubo con morse
Cube with vises



=

TABULATO controllo DEA - MAN-100-POR :
PRINTOUT DEA control - MAN-100-POR :