

8

*For Horizontal
machining centres!*

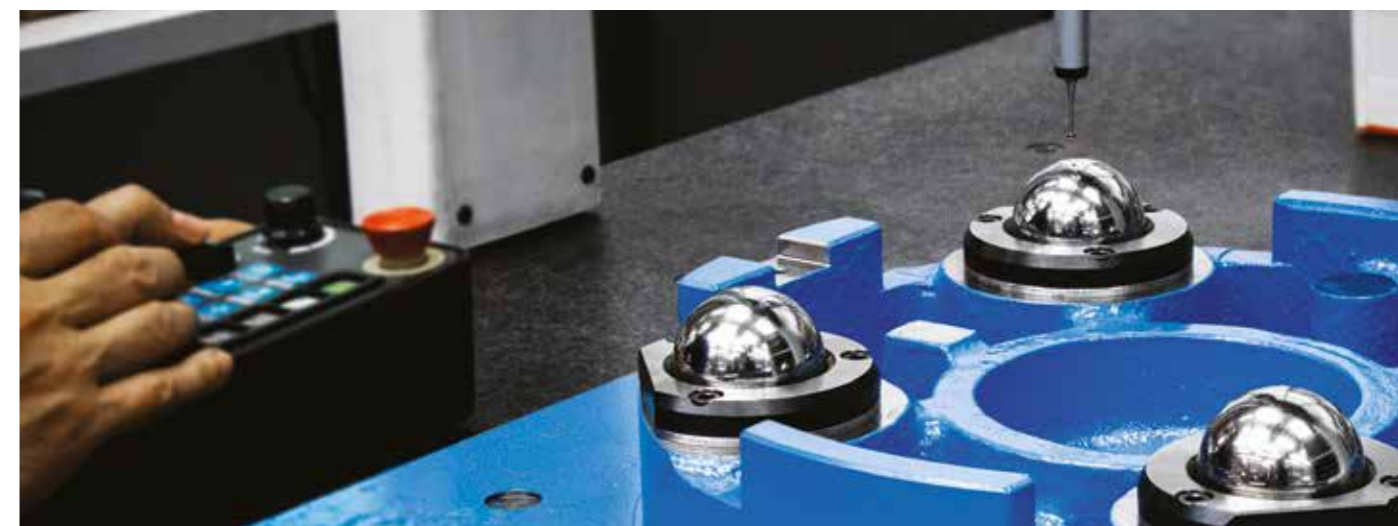
TOMBSTONES

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 sovravole Plates & Interfaced plates	Pallet macchina Machine pallet
POSSIBILITÀ DI POSSIBILITY OF				
	Posizionamento & 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

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 PLANARITÀ PERFETTA
- 6 - LAVORAZIONE COMPLETA DI FINITURA
- 7 - ESECUZIONE DI FORI O CAVE DI POSIZIONAMENTO E CENTRAGGIO PORTAPEZZO SULLA BASE D'APPOGGIO RASCHIETTATA
- 8 - CONTROLLO DIMENSIONALE PORTAPEZZO
- 9 - EVENTUALE RITOCOCCO TRAMITE RASCHIETTATURA PER RIPORTARE IL PORTAPEZZO NELLA PERPENDICOLARITÀ, ORTOGONALITÀ E PARALLELISMO PREVISTI
- 10 - IDENTIFICAZIONE TRAMITE NUMERO DI MATRICOLA INCISO SUL PORTAPEZZO CON ALLEGATO CERTIFICATO DI COLLAUDO

GERARDI QUALITY

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



Precisione / Accuracy
±0,005mm



Durezza / Hardened
HRC 58±2



Soluzioni Speciali

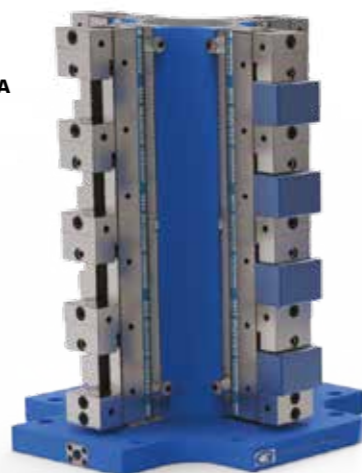
Specific Tombstones

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

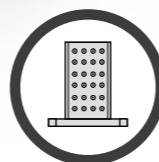
Specific or tailor-made tombstones complete with clamping systems applications could be studied and manufactured on request in order to better exploit the machines runs and capacity



Cubo a croce
Cross cube



Cubo a reticolo
Grid Cube




Predisposizione Zero Point

Zero Point Ready

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

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

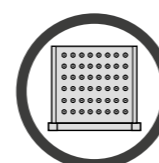
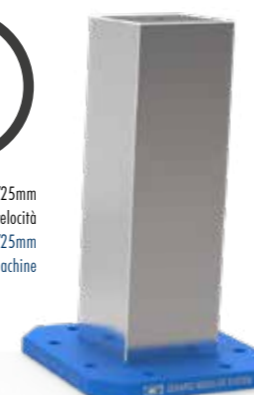
A supporto ed integrazione dei sistemi di bloccaggio la GERARDI ha progettato e via via sviluppato una gamma di portapezzi in fusioni monoblocco di ghisa G30 (con pareti spessore 43-45mm circa e con doppio trattamento di distensione e stabilizzazione) e recentemente anche di alluminio speciale ad alta 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 resistance aluminum. The shapes available are: Cubes, Two side tombstone, Angles, Plates and subplates, Shelves and special on specific request. The greater importance of such products originates from the development and widespread of Horizontal machining centres and multipallet systems which require just such structures to support the fixtures or work-pieces. The checking is carried out piece by piece on a 3-dimensional machine.

Cubo leggero
Light Cube



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

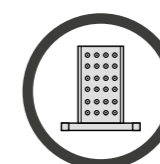


Spalla a reticolo
2 side tombstone



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

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



Per centri di lavoro orizzontali
For horizontal machining centre

DISPONIBILI IN 5 VERSIONI DIVERSE
AVAILABLE IN 5 DIFFERENT FINISHING



Versione A - Type A

SGROSSATI DI FRESA - ROUGH MILLED*

Fusione in ghisa G30 monoblocco sgrassato con doppio trattamento di distensione. Pareti spessore 43-45 mm (Sovrammetallo 10 mm)
*Alcuni modelli indicati non vengono sgrassati

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 sgrassata con base lavorata e raschiata per pallett a norme Europee o Giapponesi.

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



Versione C - Type C

COMPLETAMENTE LAVORATI - COMPLETELY FINISHED

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

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

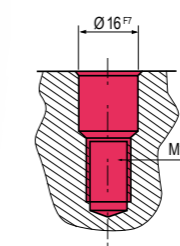


Versione E - Type E

RETICOLO INTEGRALE - GRIND CUBE

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

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

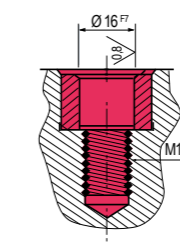


Versione F - Type F

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. Tolerance ± 0,02 mm

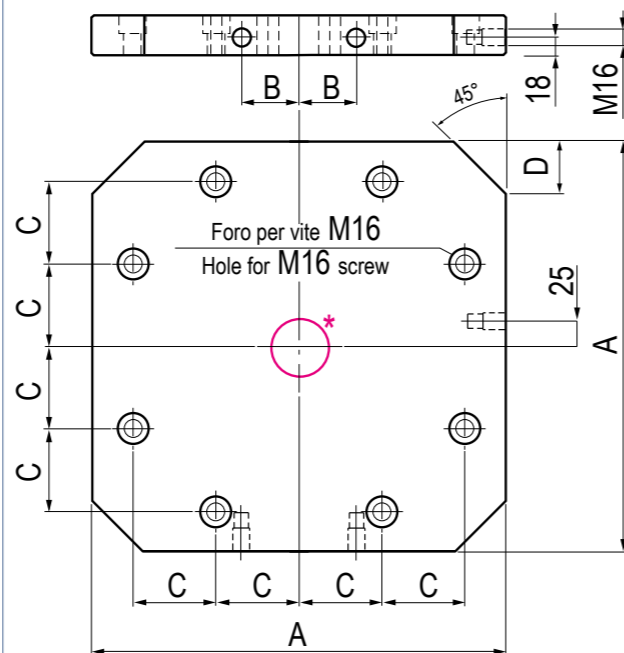
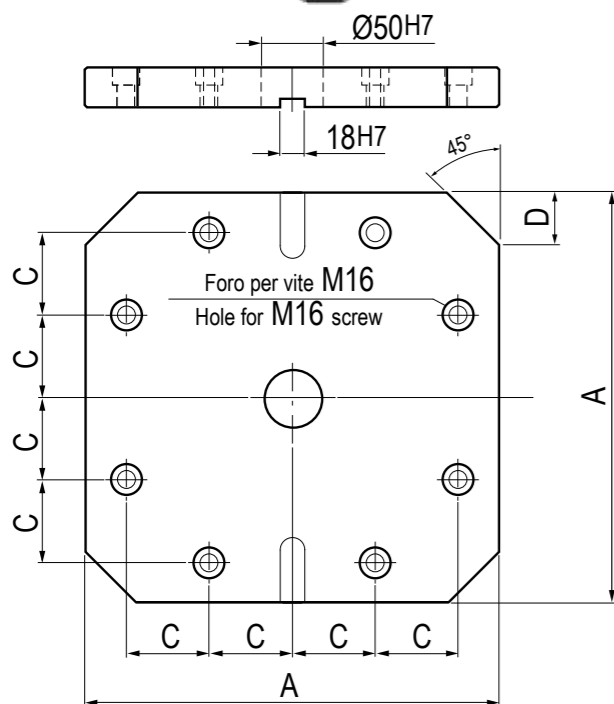


INTERFACCIAMENTO STANDARD

STANDARD INTERFACE

STANDARD EUROPEO EUROPEAN STANDARD				
A	400	500	630	800
B	-	-	-	-
C	80	100	125	160
B	-	-	-	-

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



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

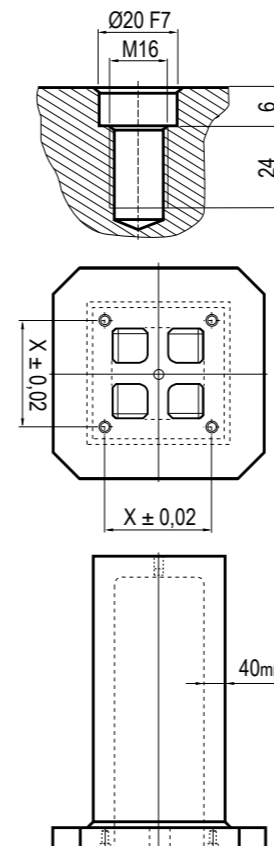
COME LAVORARE I PORTAPEZZI, TRAMITE ZERO POINT E STAFFE INTELLIGENTI

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.

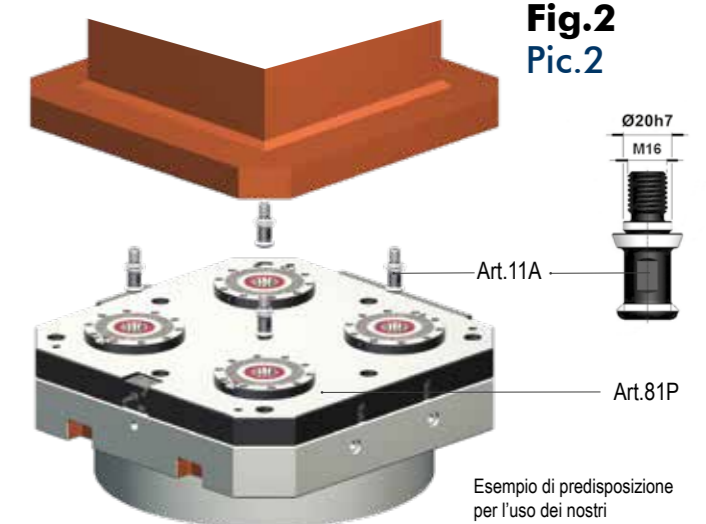
All our tombstone fixture (rough cast iron casting excluded) are pre-worked and prepared on the bottom base face for our Zero-Point pull-stud Art.11A T.2. This important feature will give you many possible application.

Fig.1
Pic.1



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

Fig.2
Pic.2

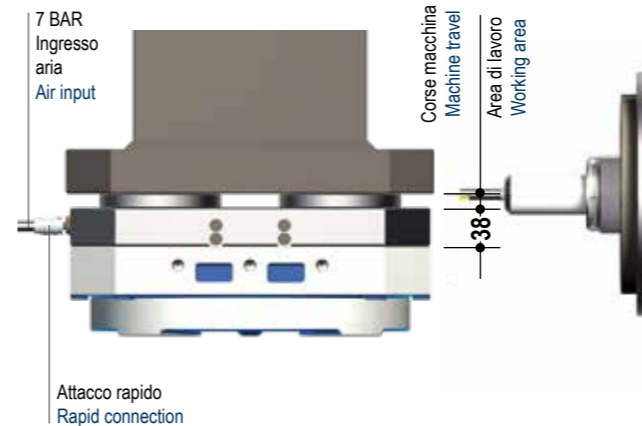


Esempio di predisposizione per l'uso dei nostri "Zero Point System"
Prearranged work for the use of our "Zero Point System"

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

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

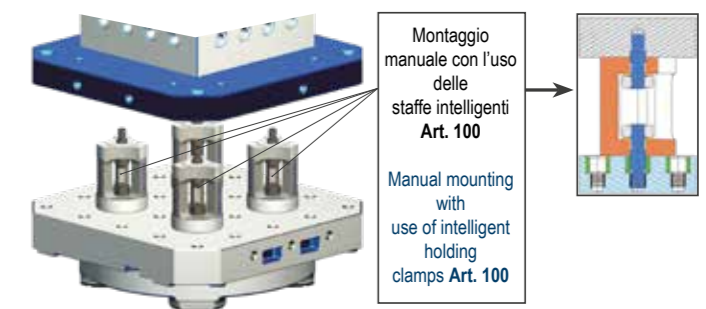
Fig.3
Pic.3



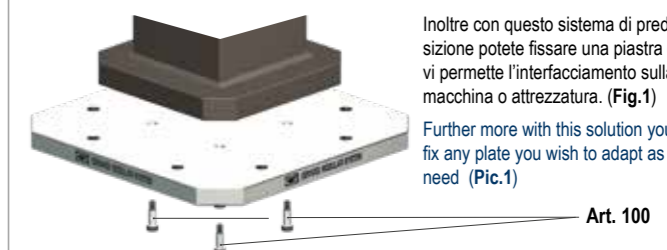
Gli "Zero Point Gerardi" sono utilizzabili anche per ottimizzare le corse del Vs. centro orizzontale sollevando il pezzo all'altezza desiderata senza l'ausilio di sovratavole.

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

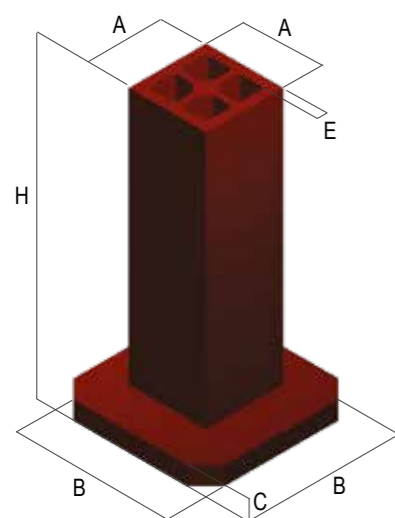


Inoltre con questo sistema di predisposizione potete fissare una piastra che vi permette l'interfacciamento sulla Vs. macchina o attrezzatura. (Fig.1)

Further more with this solution you can fix any plate you wish to adapt as you need (Pic.1)

CUBI LEGGERI - LIGHT CUBES

Art. 53A1



General tolerance +12 +8 mm

Dimensioni - Dimensions

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

E= Spessore pareti - Wall tickness

Specifiche - Specifications

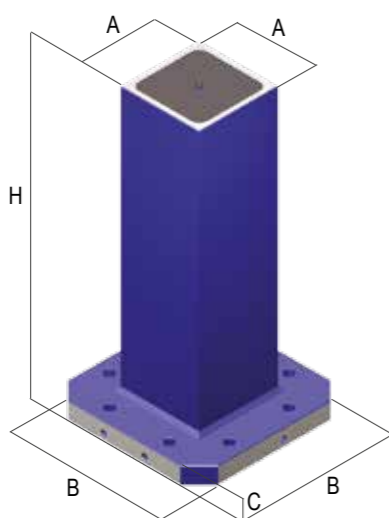
Art. 53A1

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore ridotto (Sovrametallo 15 mm).
One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall with reduced thickness (15 mm stock)

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

Art. 53B1

Base finita
Base finished



General tolerance +12 +8 mm

Dimensioni - Dimensions

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

E= Spessore pareti - Wall tickness

Specifiche - Specifications

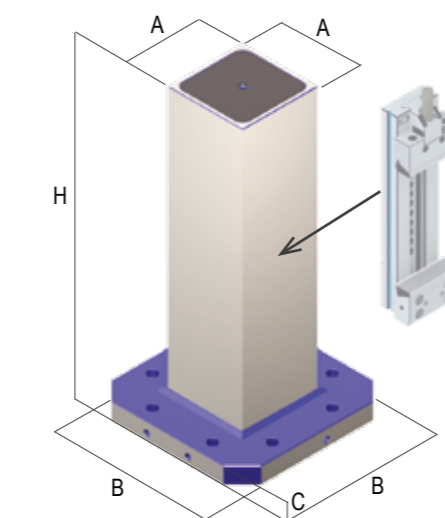
Art. 53B1

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6
Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

• Non sgrossato di fresa

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 tickness

Specifiche - Specifications

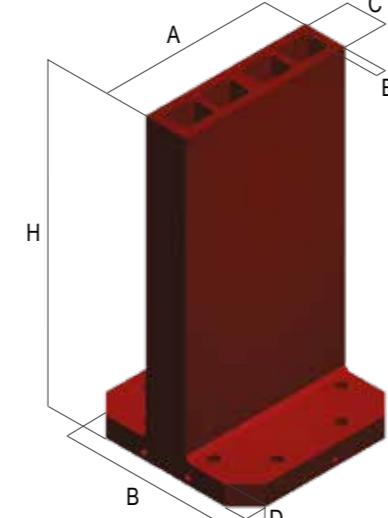
Art. 53C1

Cubo completamente finito con **pareti di spessore ridotto**
Cube completely finished with **wall reduced thickness**
Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and alignment for each vise

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

SPALLE LEGGERE - 2 SIDES TOMBSTONES LIGHT

Art. 55A1



General tolerance +12 +8 mm

Dimensioni - Dimensions

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

E= Spessore pareti - Wall tickness

Specifiche - Specifications

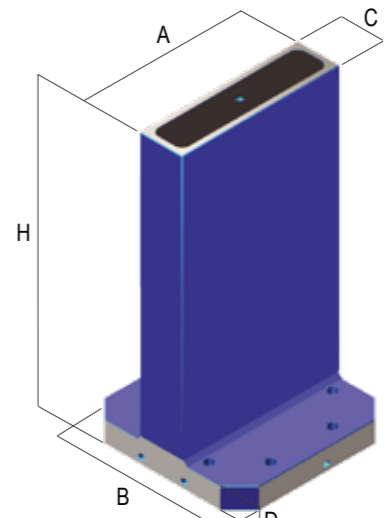
Art. 55A1

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore ridotto (Sovrametallo 15 mm).
One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall with reduced thickness (15 mm stock)

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

Art. 55B1

Base finita
Base finished



General tolerance +12 +8 mm

Dimensioni - Dimensions

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

E= Spessore pareti - Wall tickness

Specifiche - Specifications

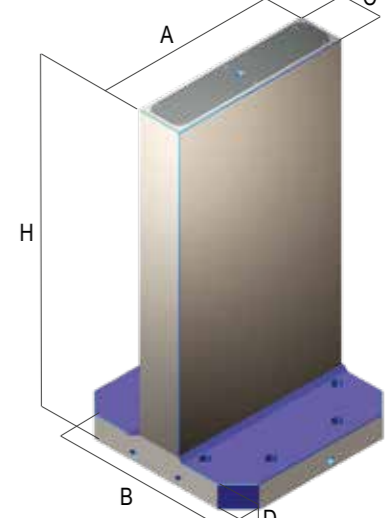
Art. 55B1

Fusione sgrossata con base lavorata e raschiata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6
Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

• Not rough milled

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 tickness

Specifiche - Specifications

Art. 55C1

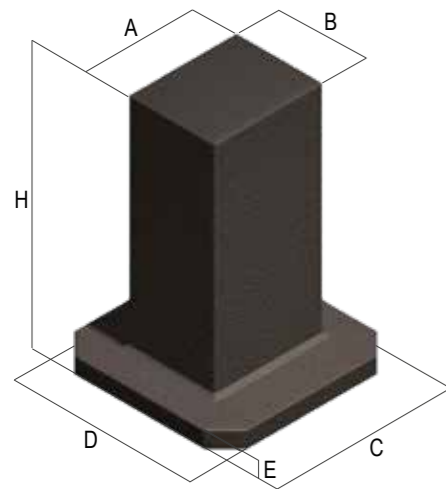
Cubo completamente finito con **pareti di spessore ridotto**
Cube completely finished with **wall reduced thickness**
Predisposizione, montaggio ed allineamento di ogni morsa €204
Set-up, mounting and alignment for each vise

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

CUBI RETTANGOLARI - RECTANGULAR CUBES

CUBI RETTANGOLARI - RECTANGULAR CUBES

Art. 54A



General tolerance +12 +8 mm

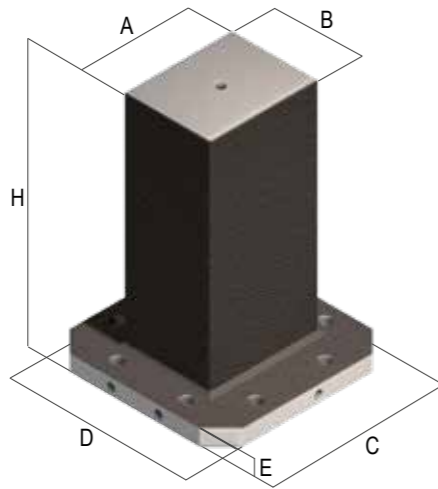
Dimensioni - Dimensions

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

Modelli normalmente presenti a magazzino

Art. 54B

Base finita
Base finished



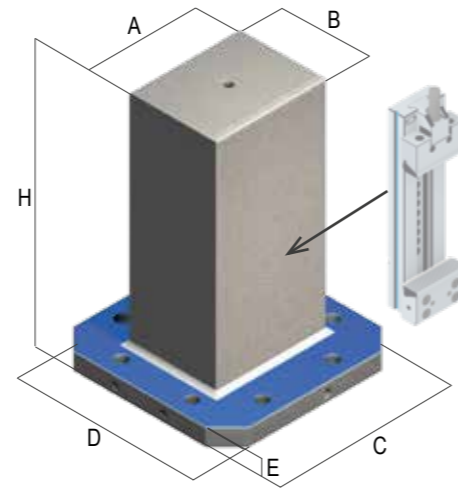
General tolerance +12 +8 mm

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

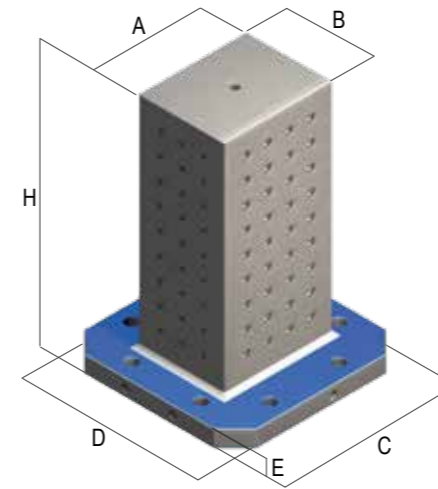
Dimensioni - Dimensions

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

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

Art. 54E

Reticolo integrale
Grid cube



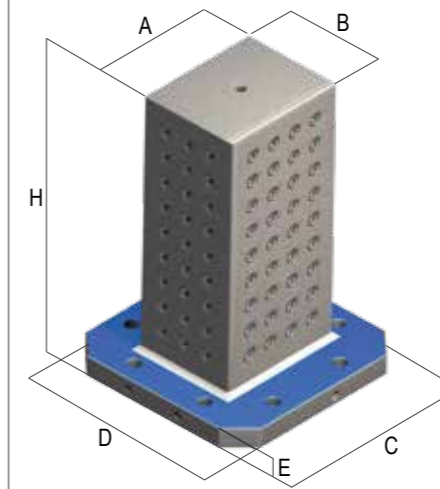
Stesse dimensioni dell'Art. 54C / Same dimensions of Art. 54C
Peso: -5% circa rispetto Art. 54C / Weight: About -5% of Art. 54C

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

Art. 54F

Reticolo con bussole
Grid cube with bushing



Specifiche - Specifications

Art. 54A

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

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

Art. 54B

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

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

Art. 54C

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

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

Art. 54E 40 / 50

Cubo rettangolare a reticolo con fori calibrati e filettati integrali - Tolleranza ± 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
Mounting and alignment for each vise

Art. 54F 40 / 50

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

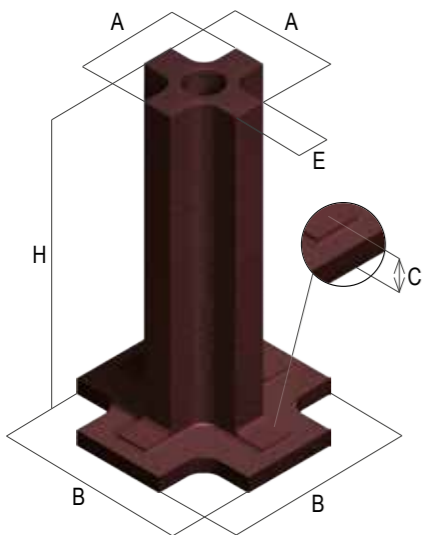
Grid rectangular cube with hardened bushing 100Cr6 and stainless steel helicoils
Tolerance ± 0,02 mm
 Grid pitch 40 mm = Ø 12 / M10
 Grid pitch 50 mm = Ø 16 / M12

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

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

CUBI A CROCE - CROSS CUBES

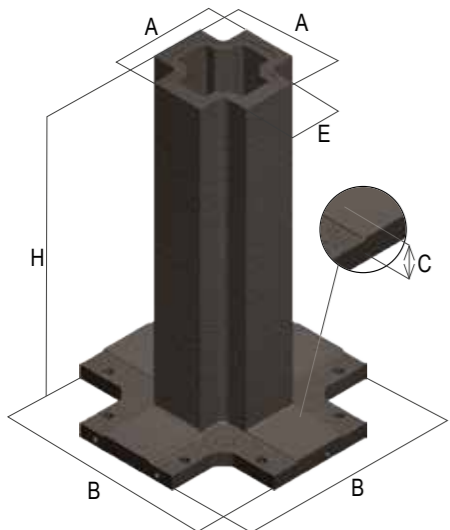
Art. 57A



General tolerance +12 +8 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

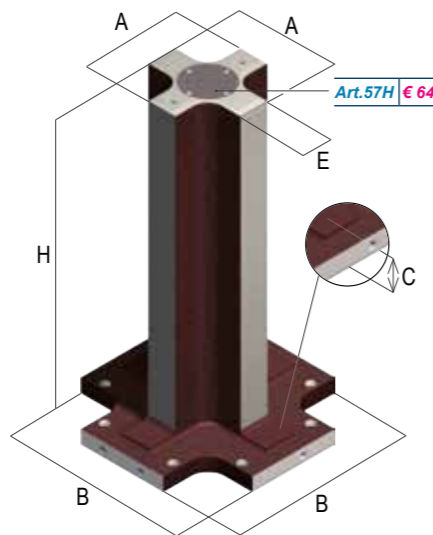


240	510	55	110	860	237	8.57.A00120
310	510	55	150	860	291	8.57.A00130
310	640	55	150	960	357	8.57.A00140
380	510	55	200	960	419	8.57.A00145
410	510	70	100	860	254	8.57.A00150
1010	1260	80	610	910	1711	8.57.A00250

Modelli normalmente presenti a magazzino

Art. 57B

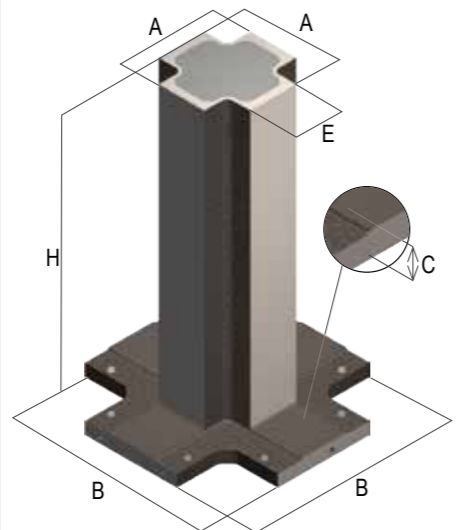
Base finita
Base finished



General tolerance +12 +8 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

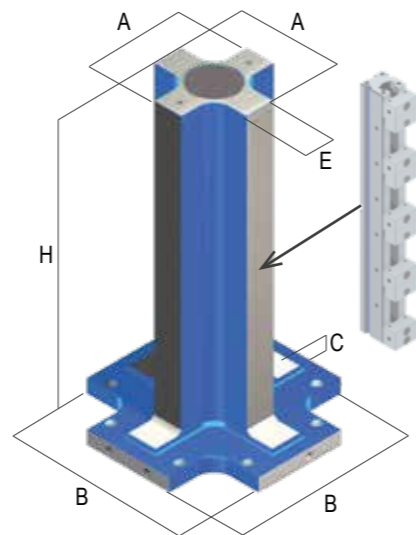


240	500	50	110	850	218	8.57.B00120
310	500	50	150	850	269	8.57.B00130
310	630	50	150	950	327	8.57.B00140
380	500	50	200	950	400	8.57.B00145
410	500	65	100	850	241	8.57.B00150
1010	1250	75	610	900	1562	8.57.B00250

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

Art. 57C

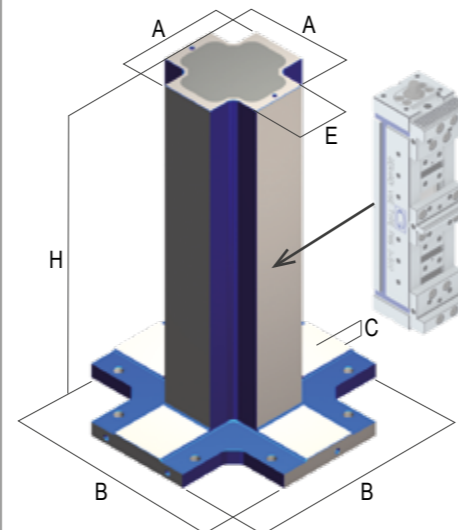
Completamente lavorati
Completely machined



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

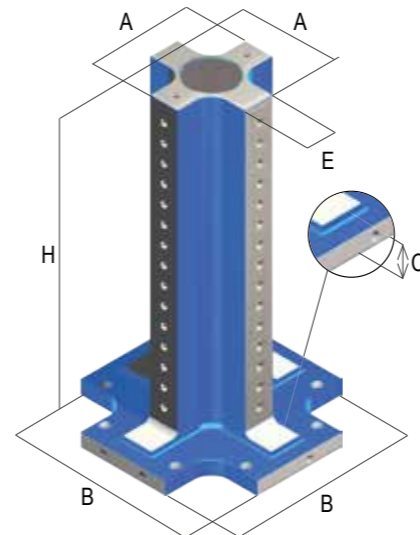


230	500	45	110	850	214	8.57.C00120
300	500	45	150	850	264	8.57.C00130
300	630	45	150	950	322	8.57.C00140
370	500	45	200	950	397	8.57.C00145
400	500	60	100	850	239	8.57.C00150
1000	1250	70	600	900	1554	8.57.C00250

CUBI A CROCE - CROSS CUBES

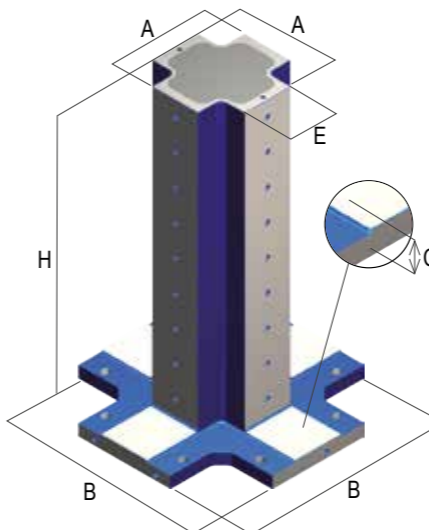
Art. 57E

Reticolo integrale
Grid cube



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

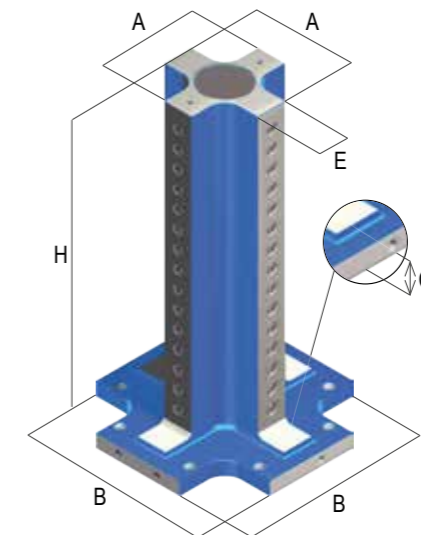


8.57.E40120	8.57.E00120
8.57.E40130	8.57.E00130
8.57.E40140	8.57.E00140
8.57.E40145	8.57.E00145
8.57.E40150	8.57.E00150
-	8.57.E00250

Usually available immediately

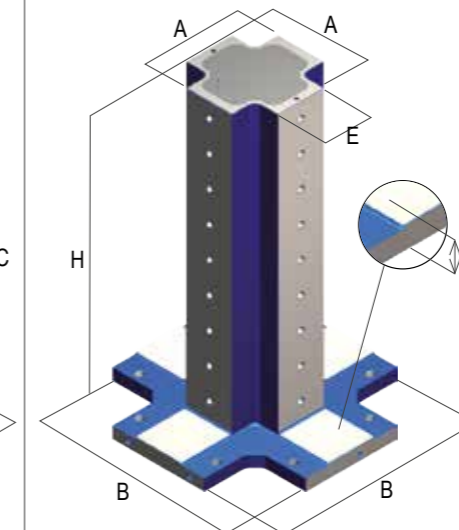
Art. 57F

Reticolo con bussole
Grid cube with bushing



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

Art. 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

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

Specifiche - Specifications

Art. 57A

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

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

Art. 57B

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

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

Art. 57C

Cubo a croce completamente finito con pareti spessore 38-40 mm circa.

Crosscube completely finished with wall thickness roughly 38-40 mm

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

Art. 57E 40 / 50

Cubo a croce a reticolo con fori calibrati e filettati integrali - Tolleranza ± 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
Mounting and alignment for each vise

Art. 57F 40 / 50

Cubo a croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 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 stainless 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
Mounting and alignment for each vise

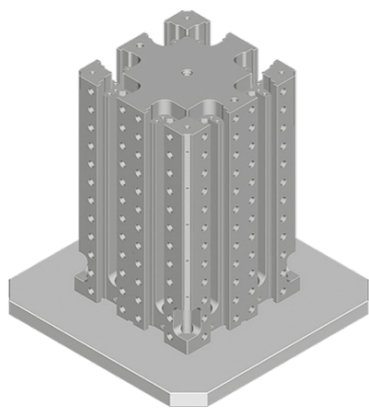
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

Dimensioni - Dimensions (mm)

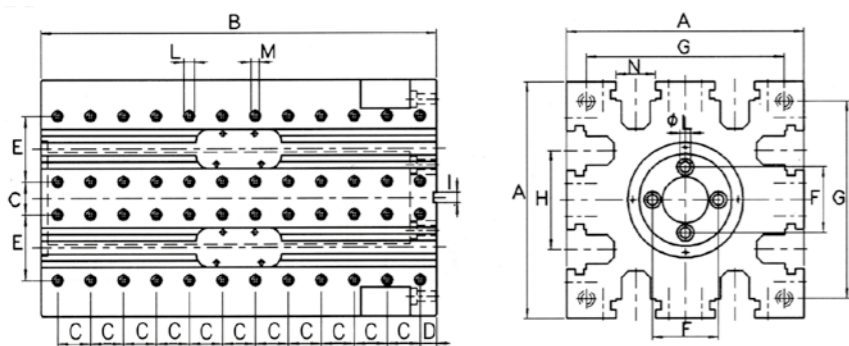
Art. 840

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



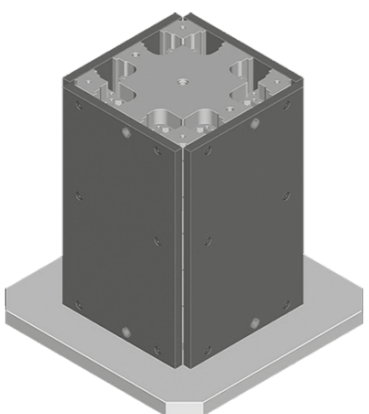
> Non sgrassato di fresa - Not rough milled

Dimensioni - Dimensions (mm)

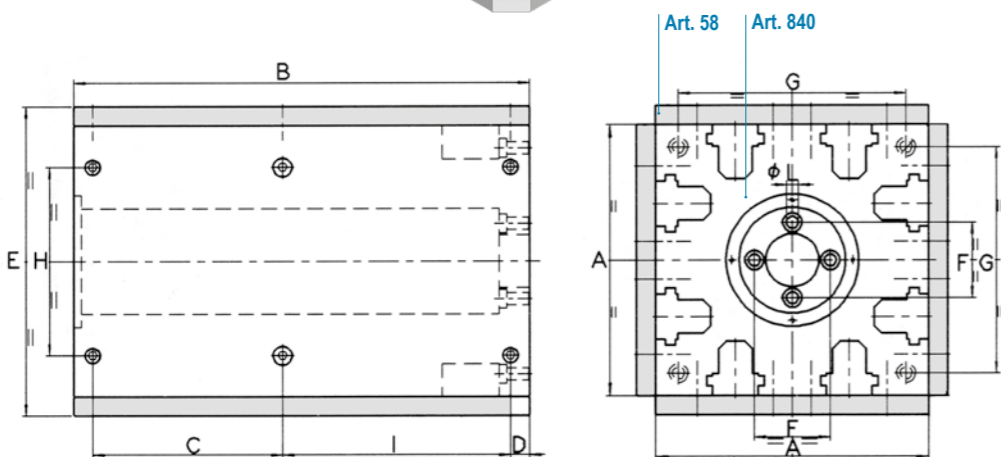
Art. 841

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.

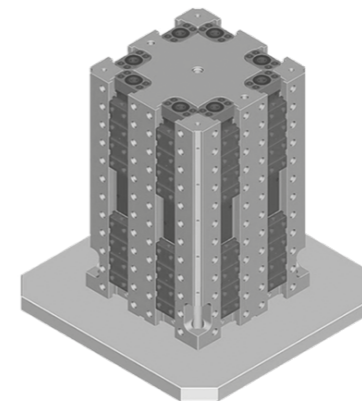
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

Dimensioni - Dimensions (mm)

Art. 842

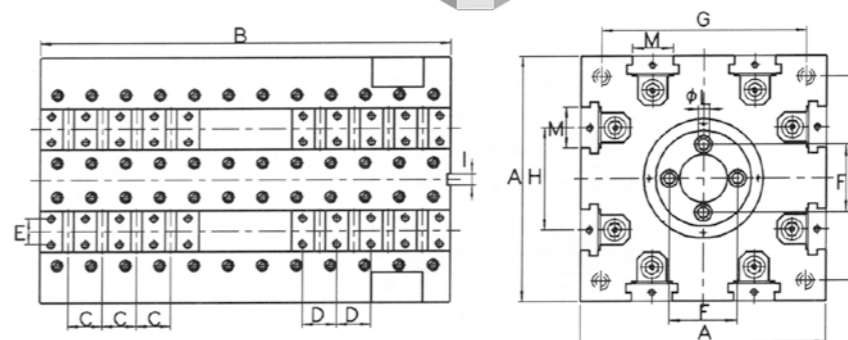
Cubo con morse FMS senza ganasce per il bloccaggio di 16 pezzi

Cube with FMS vises without jaws for 16 pcs clamping



Art.	Pag.
822	5.53
829A	5.52
830	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 morse 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)

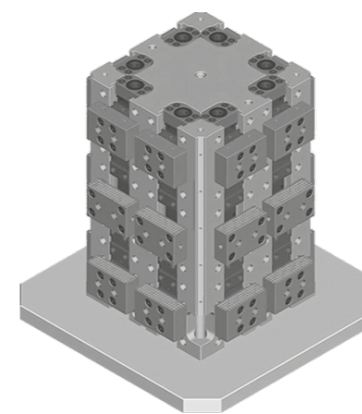
Cod. 5.84.2A360

Dimensioni - Dimensions (mm)

Art. 843

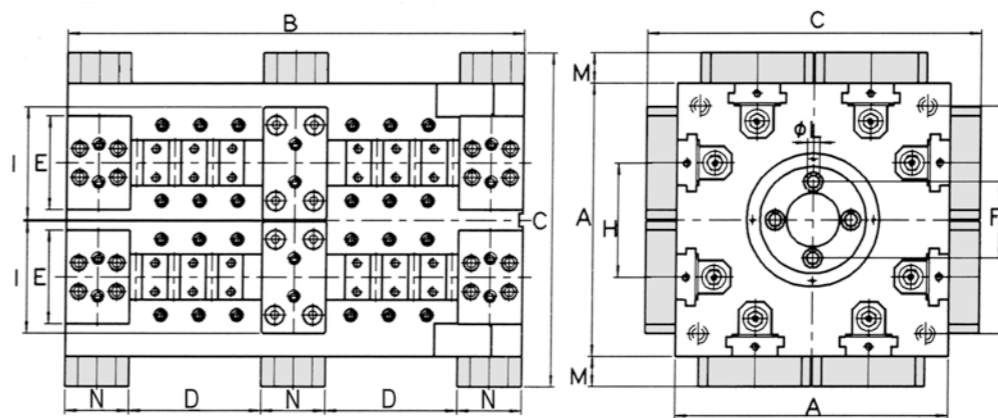
Cubo con morse FMS completo di ganasce standard per il bloccaggio di 16 pezzi. (Vedi dettagli a pag. 8.23)

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	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



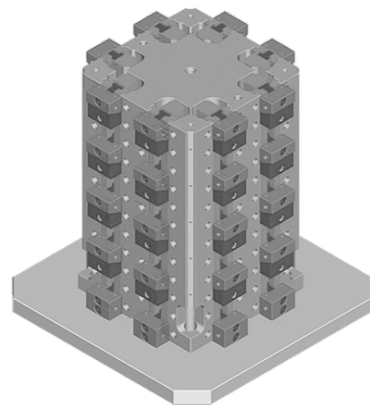
Ogni cubo è completo di 8 ganasce fisse (Art.845) e 16 ganasce mobili (Art. 810), 1 chiave a pipa, tasselli di posizionamento e 16 arresti laterali.

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 workshop.

Dimensioni - Dimensions (mm)

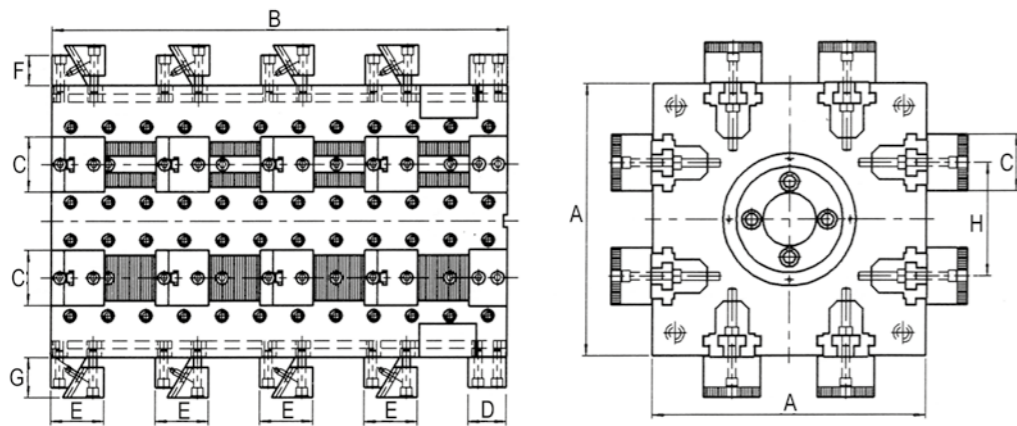
Art. 844

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

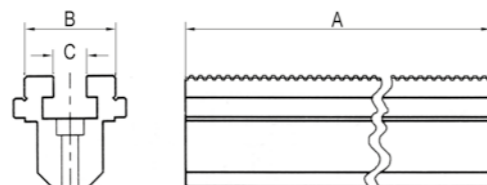
Ganascia fissa per cubo morse FMS (Art. 843)
Fixed jaw for FMS vise cube (Art. 843)



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



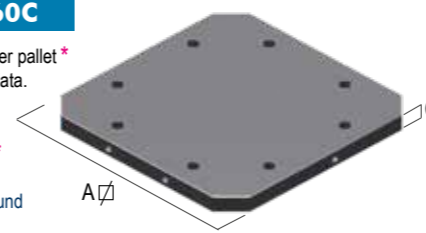
A ±0,02	600
B ±0,02	61
C ±0,02	22
Cod.	5.84.63600

SOVRATAVOLE QUADRATE / SQUARE BASE PLATES

Dimensioni - Dimensions (mm)

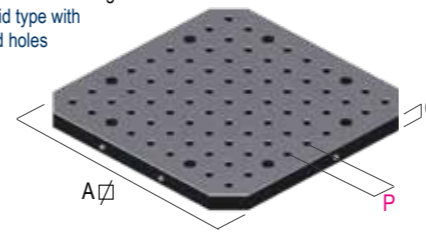
Art. 60C

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



Art. 60E

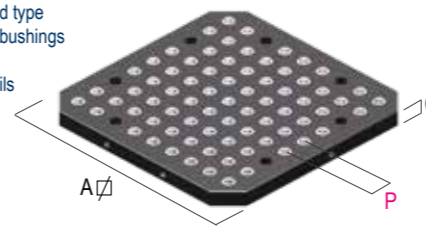
Piastra base a reticolo interfacciata per pallet con fori calibrati e filettati integrali
Tailor made grid type with solid calibrated holes and threads



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

Art. 60F

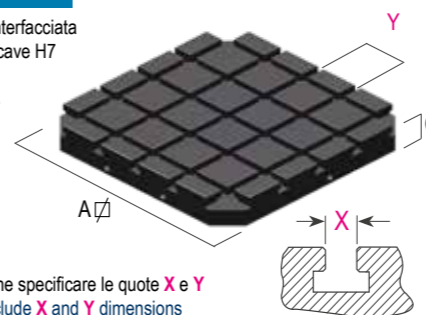
Piastra base a reticolo interfacciata per pallet con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox
Tailor made grid type with hardened bushings 100Cr6 and inox steel helicoils



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

Art. 60G

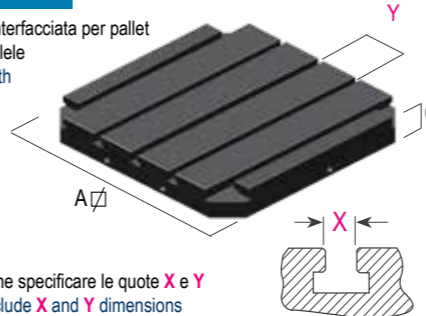
Piastra base interfacciata per pallet con cave H7
Tailor made with H7 T-slots



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

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

ACCIAIO - STEEL METAL Fe420

ALLUMINIO / ALUMINUM AL5083

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

A	C	Kg	ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083	
			Cod.	P = 40 P = 50	Kg	Cod.
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 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12
Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12

A	C	Kg	ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083	
			Cod.	P = 40 P = 50	Kg	Cod.
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 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12
Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12

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

A	C	X	Y	ACCIAIO - STEEL METAL Fe420	
				Kg	Cod.
400	73	16	100	80	8.60.H40400S
500	73	16	100	115	8.60.H50500S
630	73	16	100	205	8.60.H63630S
800	73	16	100	290	8.60.H80800S

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

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				A	B	C	Kg	Cod.	Kg	Cod.
Art. 61C Piastra base liscia interfacciata. Piani rettificati Smooth base plate. Faces ground	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		

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				A	B	C	Kg	Cod.	Kg	Cod.
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	600	400	38	90	8.61.E40600S	P = 50	32	8.61.E40600A	P = 50	
	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 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12
Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				A	B	C	Kg	Cod.	Kg	Cod.
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	600	400	38	87	8.61.F40600S	P = 50	32	8.61.F40600A	P = 50	
	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 40mm = Ø 12 / M10 - □ Interasse reticolo 50mm = Ø 16 / M12
Tolerance ± 0,02 mm, □ Grid pitch 40mm = Ø 12 / M10 - □ Grid pitch 50mm = Ø 16 / M12

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE				ACCIAIO - STEEL METAL Fe420					
Dimensioni - Dimensions (mm)				A	B	C	X	Kg	Cod.
Art. 61G Piastra base interfacciata per pallet con cave H7 Tailor made with H7 T-slots	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			

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

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE				ACCIAIO - STEEL METAL Fe420					
Dimensioni - Dimensions (mm)				A	B	C	X	Kg	Cod.
Art. 61H Piastra base interfacciata per pallet con cave parallele Tailor made with parallel slots	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			

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

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

SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				ØA	B	C	Kg	Cod.	Kg	Cod.
Art. 62C Piastra base tonda liscia interfacciata. Piani rettificati Rounded smooth base plate. Faces ground	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		

SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				ØA	B	C	Kg	Cod.	Kg	Cod.
Art. 62E Piastra base tonda a reticolo interfacciata con fori calibrati e filettati integrali Rounded base plate with solid calibrated holes and threads	400	320	38	37	8.62.E4032S	P = 50	13	8.62.E4032A	P = 50	
	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 50mm = Ø 16 / M12 Tolerance ± 0,02 mm, □ Grid pitch 50mm = Ø 16 / M12

SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083				
Dimensioni - Dimensions (mm)				ØA	B	C	Kg	Cod.	Kg	Cod.
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	400	320	38	-	8.62.F4032S	P = 50	-	8.61.F4032A	P = 50	
	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 50mm = Ø 16 / M12 Tolerance ± 0,02 mm, □ Grid pitch 50mm = Ø 16 / M12

SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420			
Dimensioni - Dimensions (mm)				ØA	C	Kg	Cod.
Art. 62G Piastra base tonda interfacciata con cave H7 H7 T-slots round pallet base plate	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

SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420			
Dimensioni - Dimensions (mm)				ØA	C	Kg	Cod.
Art. 62H Piastra base tonda interfacciata con cave H7 H7 T-slots round pallet base plate	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



SOVRATAVOLA TONDA / ROUNDED BASE				ACCIAIO - STEEL METAL Fe420		ALLUMINIO / ALUMINUM AL5083	
Dimensioni - Dimensions (mm)				ØA	C	Kg	Cod.
Art. 62K* Kit piastra base tonda interfacciata per tavole rotanti, con cave H7 disponibili per i più importanti costruttori di macchine utensili Round shaped base plate kit interfaced for rotary tables with H7 key ways. Available for most important machining centers manufacturers.	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

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

* Misure disponibili a richiesta - Sizes available on request

SOVRATAVOLA - BASE PLATES

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

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

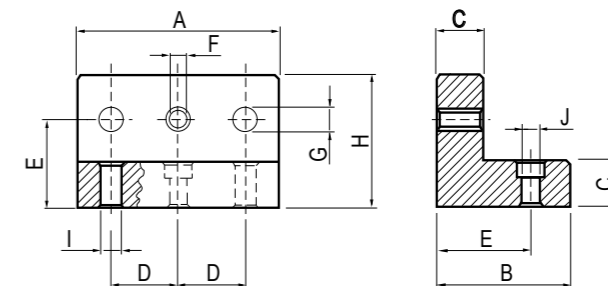
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminium), ask for specific quotation

ELEMENTI MODULARI - MODULAR ELEMENTS

ELEMENTI MODULARI - MODULAR ELEMENTS												Cod.
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
	120	100	35	50	70	M12	16	100	16	13	6	8.66.502210

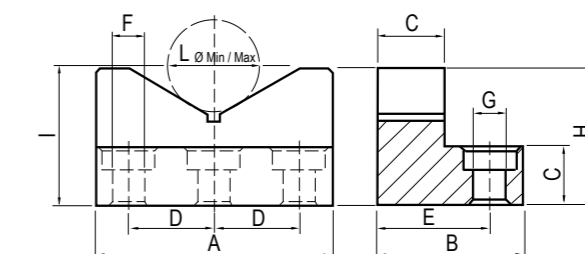
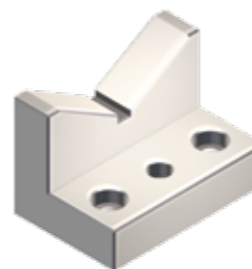
Art. 66

Squadra piccola
Angle small



Art. 68

Squadra a "V"
V-block

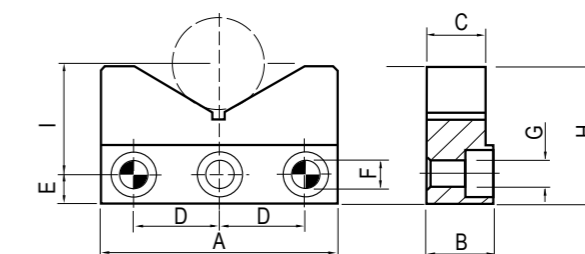


QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

A	B	C	D	E	F	G	H	I	L	kg	Cod.
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

Art. 69

Piastra a "V"
V-pad

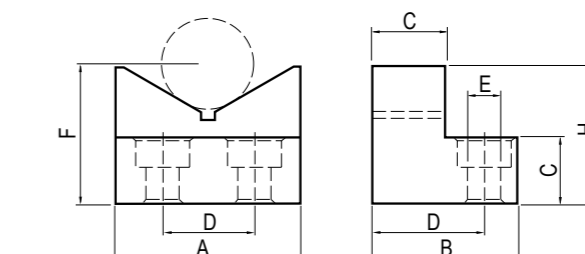


QUOTA "I" RILEVATA CON Ø60 h7 - "I" DIMENSION Ø60 h7

A	B	C	D	E	F	G	H	I	L	kg	Cod.
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

Art. 69A

Squadra modulare a "V"
Modular V-block



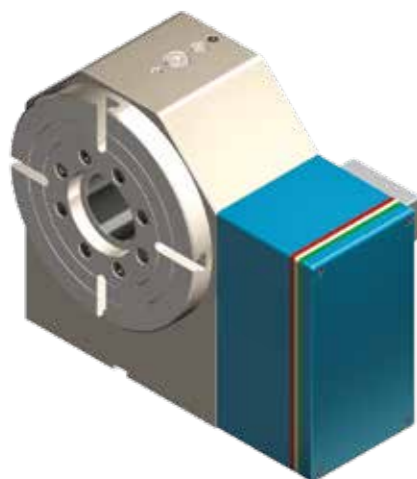
QUOTA "I" RILEVATA CON Ø50 h7 - "I" DIMENSION Ø50 h7

DIVISORE AUTOMATICO DPG 250

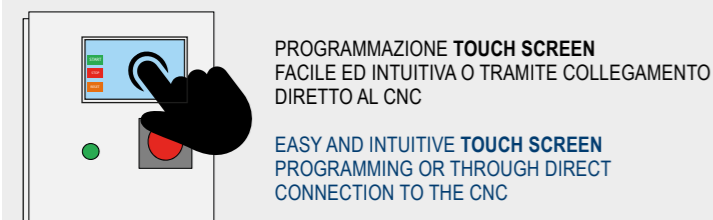
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico Automatic dividing head	Dati tecnici Technical Data	
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DPG 250



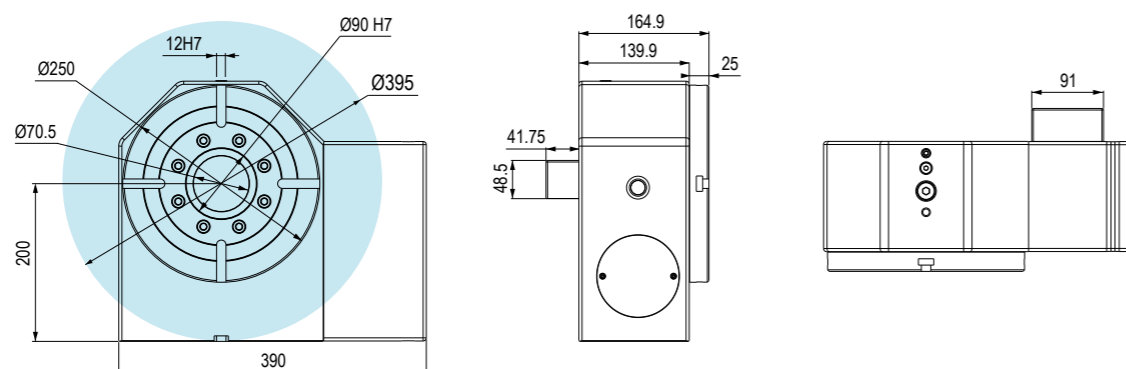
Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Clearance hole diameter		70,5 mm
Altezza punta Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idrraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
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
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	FxL Nm 2200
		10,5 Kg. m ²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
		110
Kg		110
Cod.		8.DP.G2500



- 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

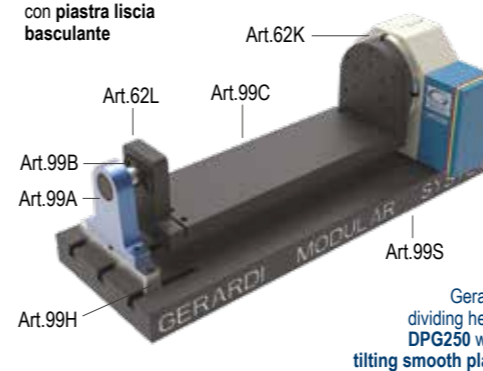
DPG 250



Versione piastra basculante

Tilting plate type

Divisore Gerardi DPG250 con piastra liscia basculante



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod. 8.99.A1000

Art. 99B

Perno di centraggio orizzontale
Horizontal centering pin



Cod. 8.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod. 8.99.H1000

Art. 62K

DPG250

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



Cod. 8.62.KADPG250

Art. 62L

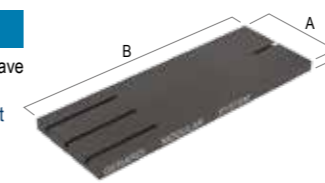
Piastra di interfaccia per perno di centraggio
Connecting plate for centering pin



Cod. 8.62.L250000

Art. 99S

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



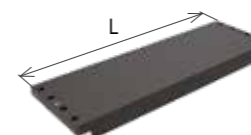
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
600	400	50	94	7.99.S060S
900	400	50	141	7.99.S090S
1200	400	50	188	7.99.S120S
1500	400	50	234	7.99.S150S

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

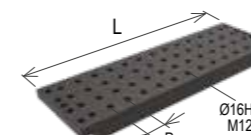
Art. 99C

Piastra liscia
Interface plate



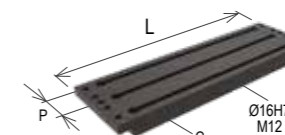
Art. 99E

Piastra a reticolo integrale
Grid plate



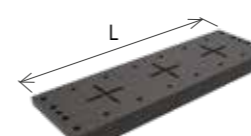
Art. 99G

Piastra con cave
Plate with slots grooved type



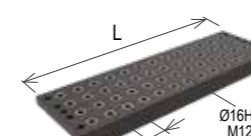
Art. 99D

Piastra personalizzata
Personalized plate



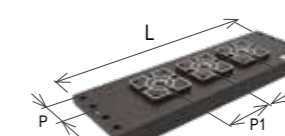
Art. 99F

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



Art. 99P

Piastra con zero point
Zero point plate



Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300	-	-	-
99F	350	-	-	-
99G	400	50	-	-
99D	450	-	-	-
99E	500	-	-	-
99D	550	-	-	-
99E	600	-	-	-
99E	650	-	-	-
99E	700	50	-	-
99E	750	-	-	-
99P	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 Clearance 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

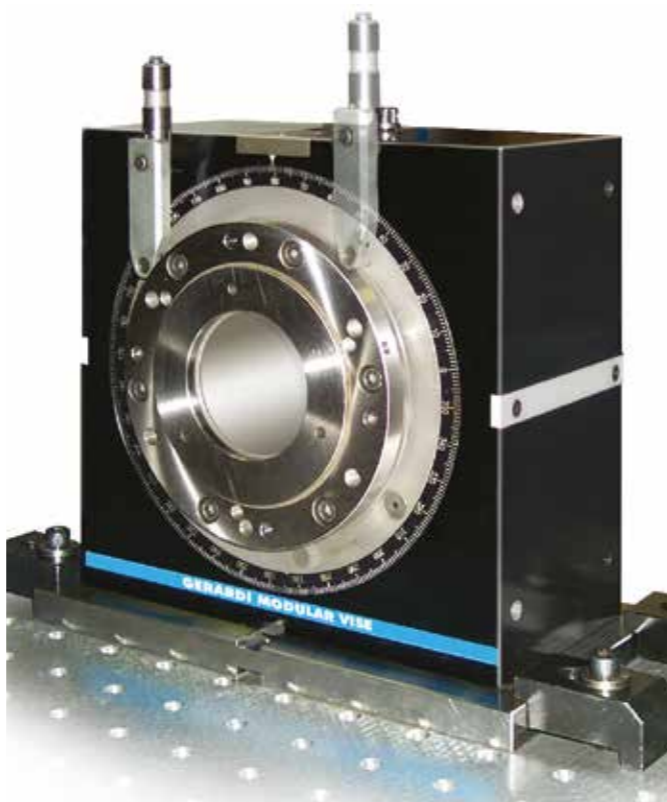


DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PERMACCHINE A CNC

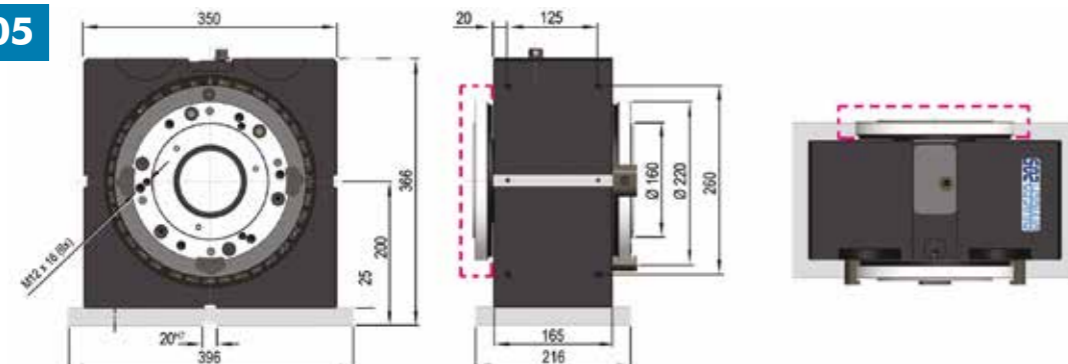
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

- 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 horizontally or vertically
- Quick change through wedge clamping

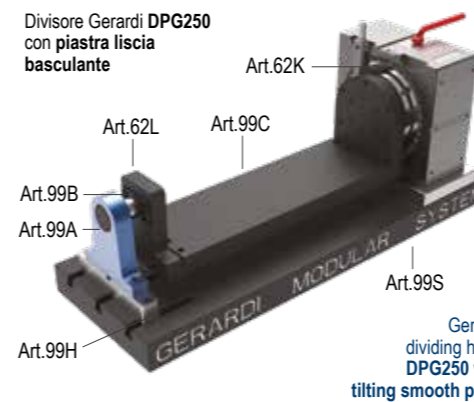


DIVIGER 205



Versione piastra basculante
Tilting plate type

Divisore Gerardi DPG250
con piastra liscia
basculante



Gerardi
dividing head
DPG250 with
tilting smooth plate

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

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



Cod. 8.62.KADPG250

Art. 62L

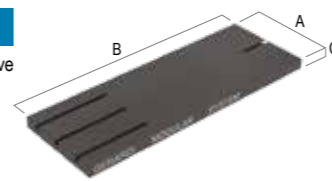
Piastra di interfaccia per perno di centraggio
Connecting plate for centering pin



Cod. 8.62.L250000

Art. 99S

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



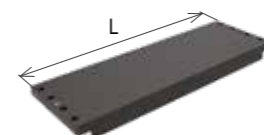
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
600	400	50	94	7.99.S060S
900	400	50	141	7.99.S090S
1200	400	50	188	7.99.S120S
1500	400	50	234	7.99.S150S

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

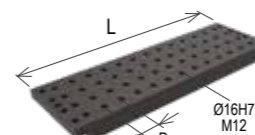
Art. 99C

Piastra liscia
Smooth plate



Art. 99E

Piastra a reticolo integrale
Grid plate



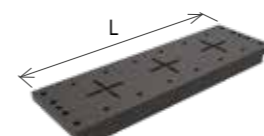
Art. 99G

Piastra con cave
Plate with slots grooved type



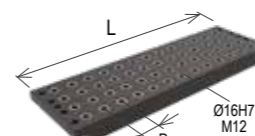
Art. 99D

Piastra personalizzata
Personalized plate



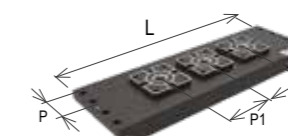
Art. 99F

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



Art. 99P

Piastra con zero point
Zero point plate



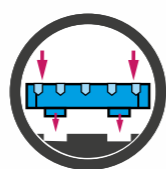
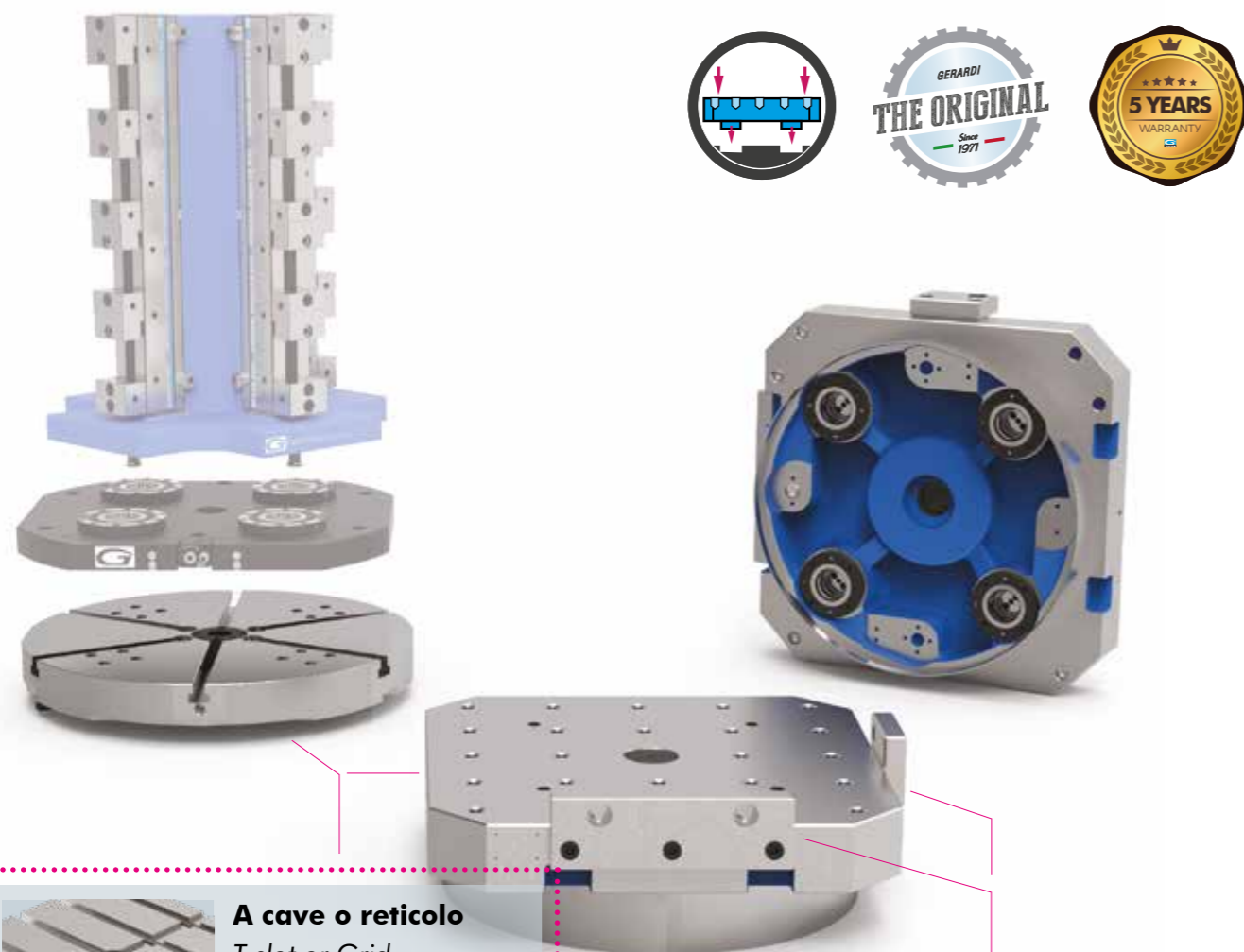
Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300	-	-	-
	350	-	-	-
99F	400	50	-	-
	450	-	-	-
99G	500	Su richiesta On request	Su richiesta On request	-
	550	-	-	-
99D	600	-	-	-
	650	-	-	-
99E	700	50	-	-
	750	-	-	-
99P	800	150 - 200 250 - 300	-	100 - 150 200

PALLETS

Il miglior pallet per il tuo centro di lavoro orizzontale
The best pallet for your horizontal machining centre



Precisione / Accuracy
±0,005mm



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

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**

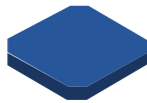


1	Art.45B TIRANTE PULL-STUD
2	VITI DI FISSAGGIO FIXING SCREWS
3	Art.85C BUSSOLA CONICA CONIC BUSHING
4	Art.85D SPESSORE SPACER
5	VITI DI FISSAGGIO FIXING SCREWS
6	Art.85L BUSSOLA DI CENTRAGGIO CENTERING BUSHING
7	Art.85E PIASTRA GRANDE BIG PLATE

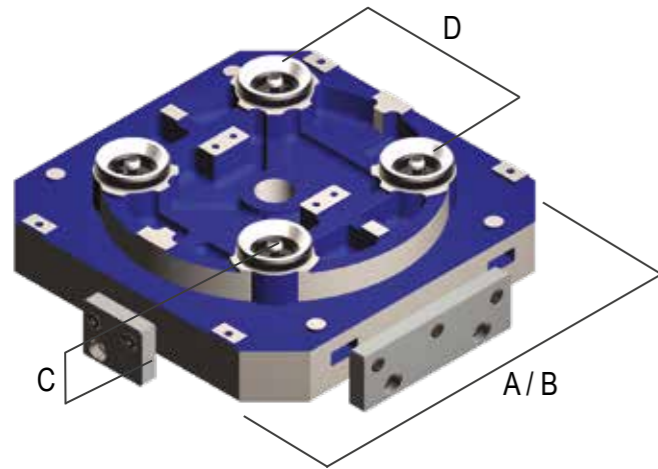
8	Art.85H BLOCCHETTO DI RIFERIMENTO REFERENT BLOCK
9	Art.85Z / 86Z CORPO DEL PALLET PALLET BODY
10	Art.85F PIASTRA PICCOLA SMALL PLATE
11	VITI DI FISSAGGIO FIXING SCREWS
12	O-RING DI TENUTA O-RING
13	Art.85G TAPPO PLUG



PALLET MAKINO
MAKINO PALLET

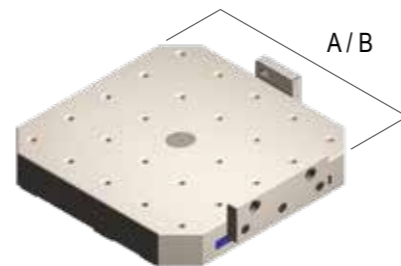


Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



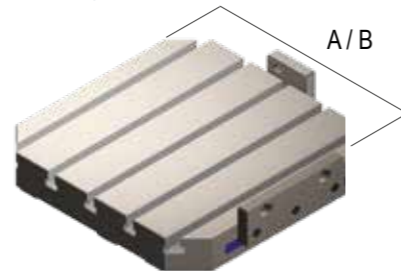
Art. 85

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

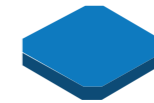
PALLET MAKINO Art.85

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	

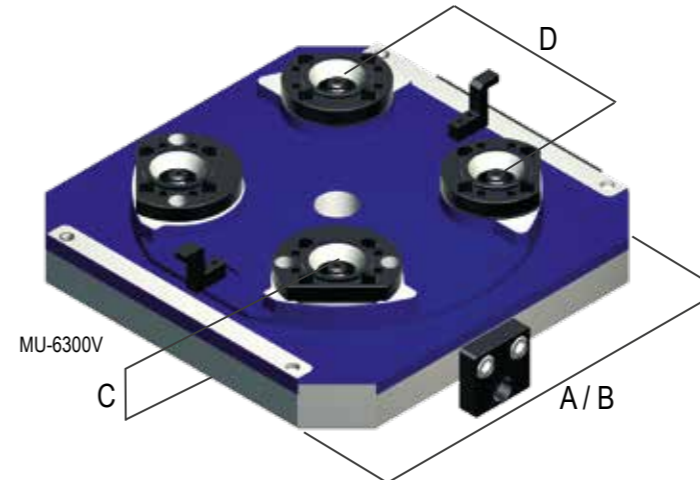
PALLET MAKINO Art.86

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

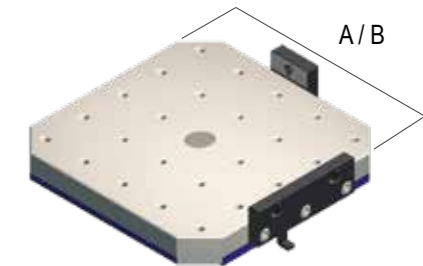


Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



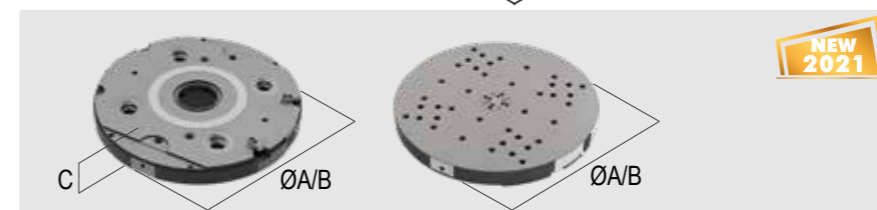
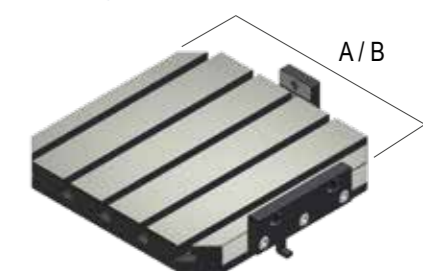
Art. 85

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

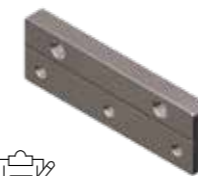


UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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

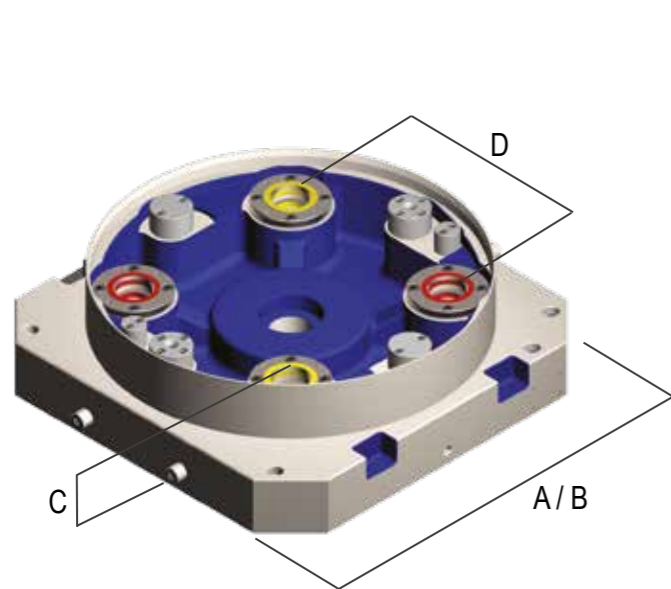
Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.	€
	400	400	95	200	MA 400 HA - MB 4000 H - MA 40 H	8.85.4040OKU	
	500	500	95	200	MB 5000 H	8.85.5050OKU/200	
	500	500	118	240	MA 500 H II - MA 50	8.85.5050OKU	
	630	630	122	320	MA 600 H II - MA 60 H	8.85.6363OKU	
	Ø630	Ø630	63	300	MU 6300V	8.85.6300OKU2	
	800	800	146	400	MA 800 HB	8.85.8080OKU	
	1000	1000	-	-	MB 10000 H	8.85.1010OKU	

PALLET OKUMA Art.86

Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.	€
	400	400	95	200	MA 400 HA - MB 4000 H - MA 40 H	8.86.4040OKU	
	500	500	95	200	MB 5000 H	8.86.5050OKU/200	
	500	500	118	240	MA 500 H II - MA 50	8.86.5050OKU	
	630	630	122	320	MA 600 H II - MA 60 H	8.86.6363OKU	
	Ø630	Ø630	63	300	MU 6300V	8.86.6300OKU2	
	800	800	146	400	MA 800 HB	8.86.8080OKU	
	1000	1000	-	-	MB 10000 H	8.86.1010OKU	

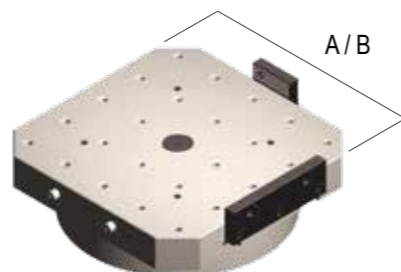
PALLET DMG-MORI
DMG-MORI PALLET

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



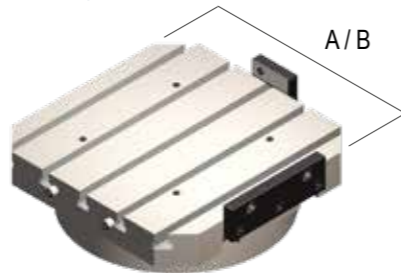
Art. 85

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



Art. 86

Pallet con cave a T H7
H7 T slots pallet



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 85E

Piastra grande
Big plate

Cod. 8.85.E...DMG*



Art. 85F

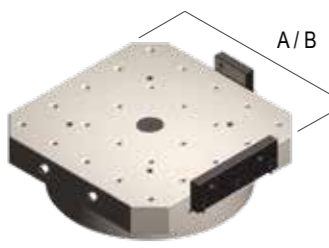
Piastra piccola
Small plate

Cod. 8.85.F...DMG*

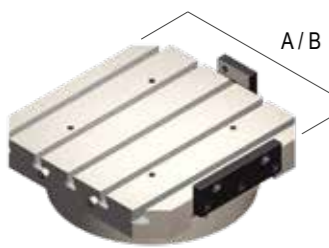


*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DMG / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DMG

PALLET DMG MORI Art.85

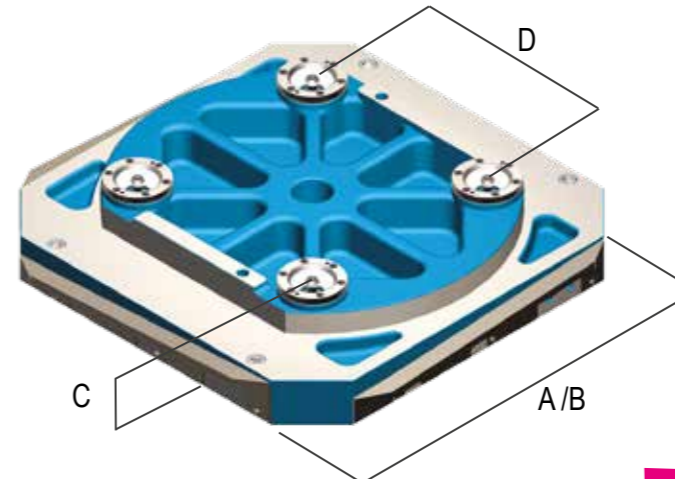
Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.
 A/B	400	400	86	190	NHX 4000 2° - NH 4000 DCG	8.85.4040DMG
	500	500	120	250	NHX 5000 2° - NHX 5500 NH 5000 DCG/40	8.85.5050DMG
	630	630	157	300	NHX 6300 - NH 6300 DCGII DMC 80H douBLOCK - DMC 80H linear	8.85.6363DMG
	800	800	215	450	NHX 8000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

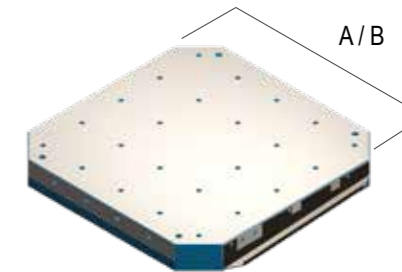
PALLET MAZAK
MAZAK PALLET

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



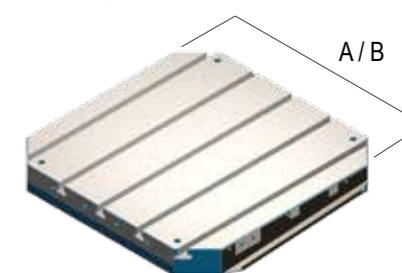
Art. 85

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

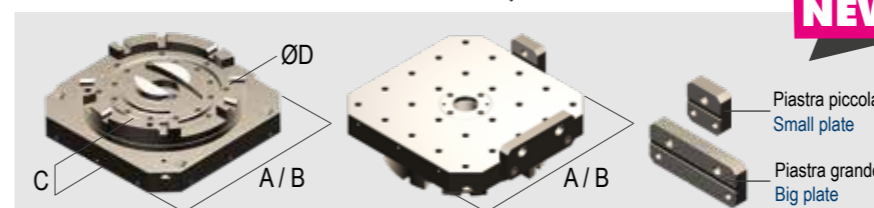


Art. 86

Pallet con cave a T H7
H7 T slots pallet



NEW



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 85E

Piastra grande
Big plate

Cod. 8.85.E...MAZ*



Art. 85F

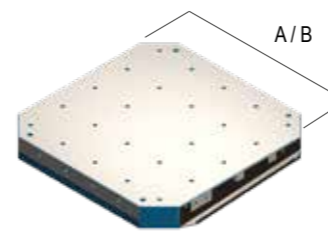
Piastra piccola
Small plate

Cod. 8.85.F...MAZ*

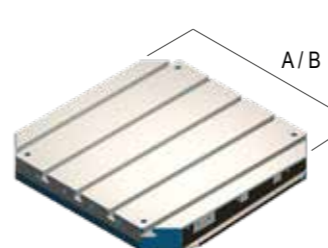


*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAZ / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAZ

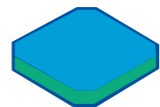
PALLET MAZAK Art.85

Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.
 A/B	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

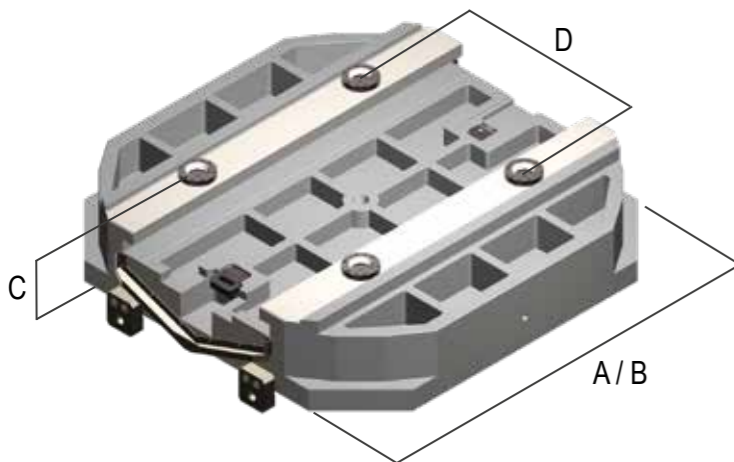
Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.
 A/B	400	400	95	200	HCN 4000 - NEXUS 4000III	8.86.4040MAZ
	500	500	95	200	HCN 5000 - HCN 5000/50 NEXUS 5000III - NEXUS 6000II	8.86.5050MAZ
	630	630	122	320	HCN 6800 - NEXUS 6800 II 6800 II HM PACKAGE	8.86.6363MAZ
	800	800	146	400	M 8800 - HCN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



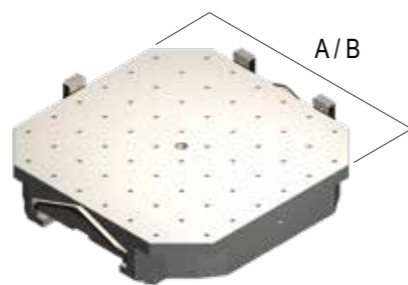
Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**

NEW



Art. 85

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

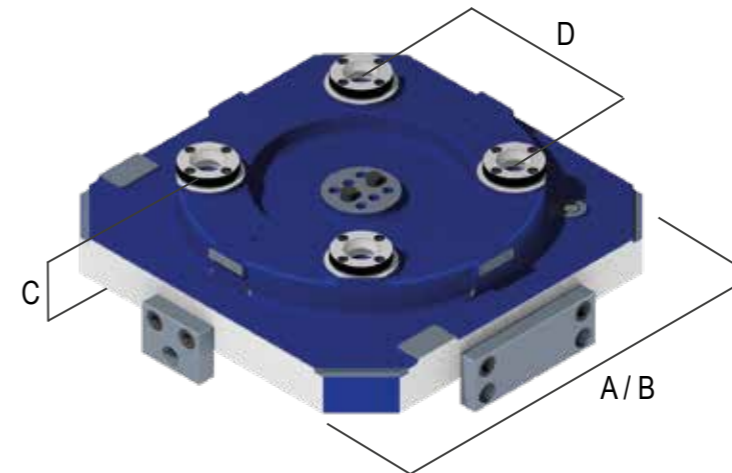


NEW 2021

PALLET KIWA
KIWA PALLET

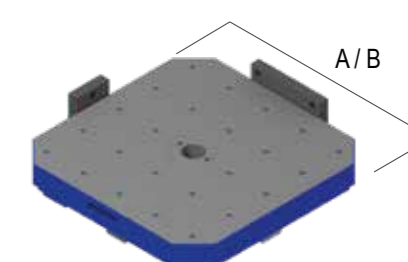


Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



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...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



Art. 85E

Piastra grande
Big plate

Cod. 8.85.E...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



Art. 85F

Piastra piccola
Small plate

Cod. 8.85.F...KWA*

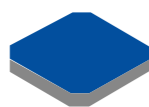
PALLET DOOSAN Art.85

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

PALLET KIWA Art.85

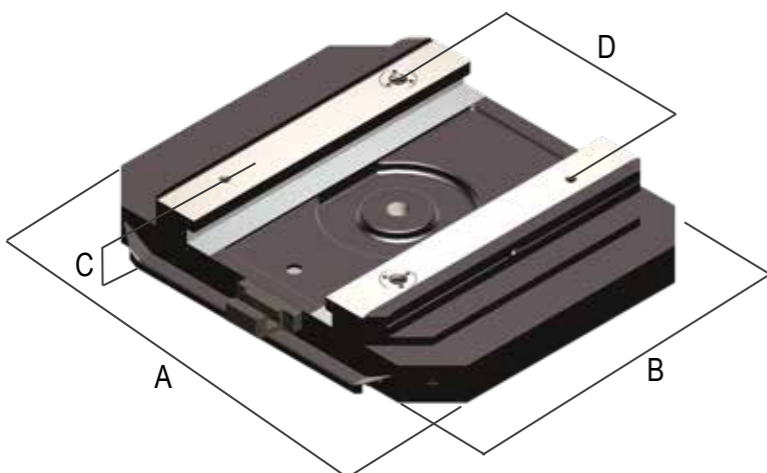
Dimensioni - Dimensions (mm)	A	B	C	D	Modelli / Models	Cod.
	500	500	124,48	240	-	8.85.5050KWA

PALLET MANDELLI
MANDELLI PALLET



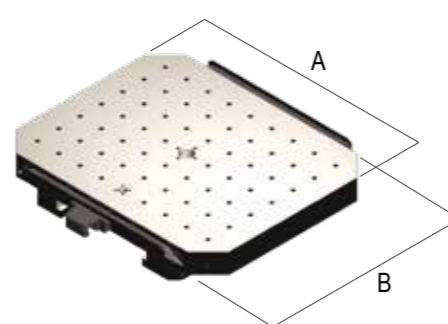
Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. **Massima precisione**
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NEW



Art. 85

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




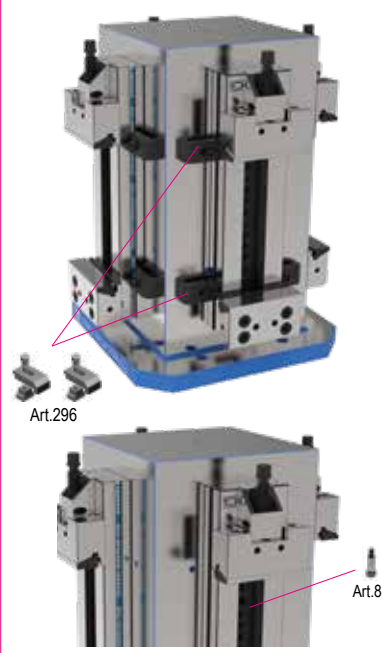


PALLET MANDELLI Art.85

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

PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI

TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES





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

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

Certificato di collaudo
 Certificate test

MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO

VISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

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

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

Certificato di collaudo
 Certificate test