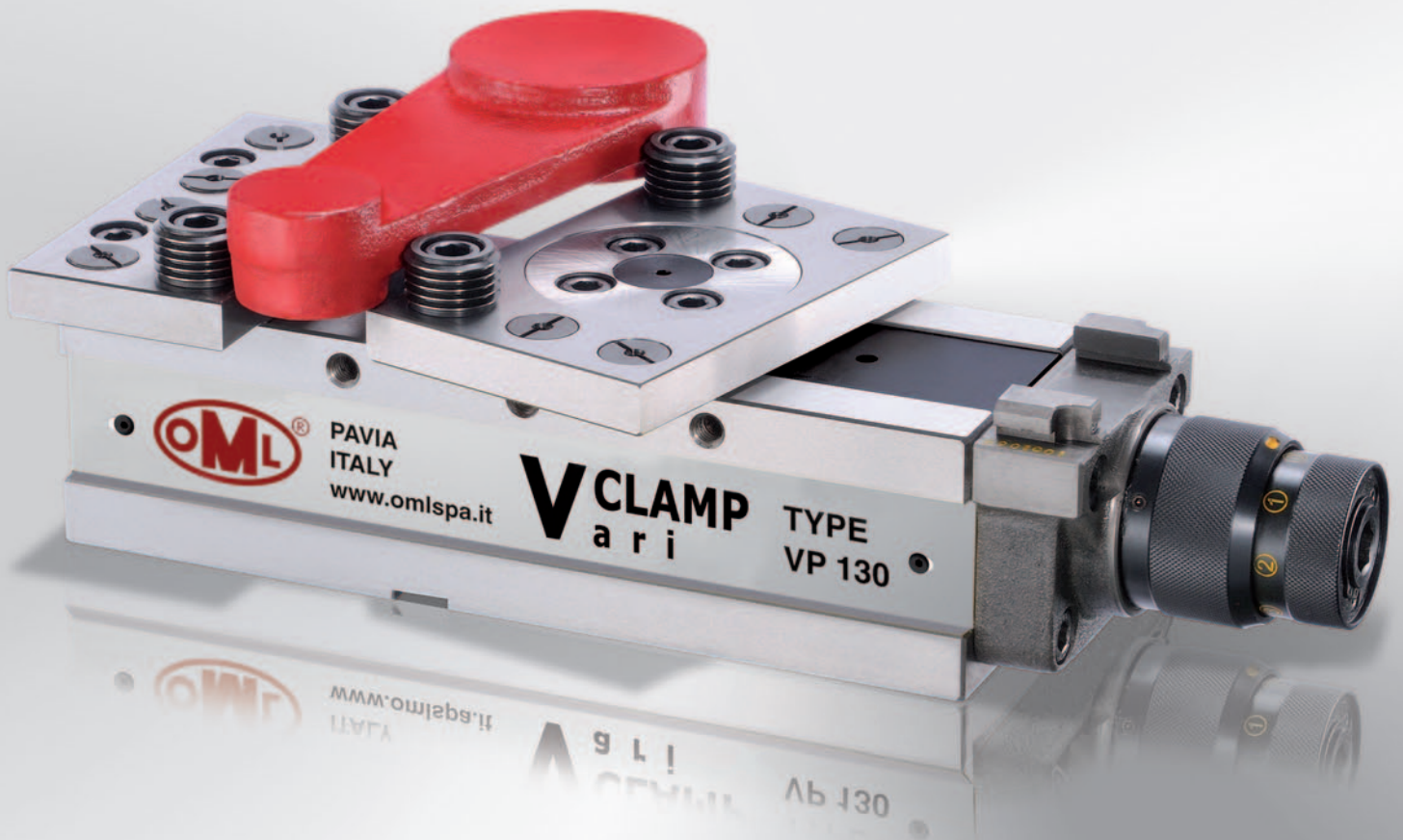




Clamping *evolution*



VCLAMP ari



Ganascia mobile "grip"

Ganascia mobile oscillante "grip"

Carter protezione vite

VISE POWER

1. Con ingombri ridotti massima capacità di apertura. Particolarmente indicata per centri di lavoro.

2. Moltiplicatore di forza meccanico a ginocchia con possibilità di preselezione della forza di bloccaggio (1000 kg; 2000 kg; 3000 kg; 4000 kg).

3. Corpo in ghisa GGG 60 con resistenza 60 kg/mm² o 80.000 psi.

4. Trattamento di tempra-induzione sulla base a HRC 45 al fine di mantenere la precisione per lungo tempo.

5. Ganascia fissa e mobile in acciaio con trattamento di cementazione tempra HRC 52-55 rettificata.

6. Carter di protezione telescopico al fine di impedire il passaggio dei trucioli all'interno della base.



Gripper

Gripper



VARI CLAMP

Tutte le caratteristiche della morsa in versione V-Power vengono ulteriormente esaltate nella versione Vari-Clamp.

1. Il design ultra piatto della ganascia fissa e mobile è adatto per il bloccaggio dei pezzi più sottili e per aumentare la capacità di taglio e la precisione di lavorazione.

2. La ganascia mobile è progettata con il meccanismo oscillante e ci sono molti tipi di inserti "grip" sulla ganascia per adattarsi al bloccaggio di pezzi diversi e forme difficili da bloccare.

3. La ganascia oscillante è progettata con un meccanismo che consente di bloccare facilmente superfici inclinate o non lisce, materiale grezzo, di fusione e superfici grezze e inclinate dopo il taglio.

4. Vari-Clamp consente di bloccare al meglio pezzi difficili, quali pezzi irregolari, tondi, ellittici, rettangolari, ovali, a gradino o inclinati, usando il meccanismo oscillante della ganascia mobile e i diversi tipi di inserti "grip".

Ganascia fissa "grip"

Base

Moltiplicatore di forza meccanico

Ganascia mobile integrale

Ganascia fissa integrale

Ganascia fissa a L

Ganascia mobile a L

Movable jaw "grip"

Floating jaw "grip"

Covers for the protection of the screw

VISE POWER

1. Max. opening capacity and compact in total length. Particularly suitable for machining centers.

2. Mechanical clamping force multiplier (knuckle-joint device) with the possibility of clamping force selection (1 ton; 2 tons; 3 tons; 4 tons).

3. Rigid material-Ductile iron GGG 60 with 60 kg/mm² or 80.000 psi tensile strength.

4. Vise bed flame hardened to HRC 45 in order to maintain accuracy for long.

5. Stationary jaw and Movable jaw are hardened HRC 52~55 with grinding.

6. Expanding chip cover on each vise for preventing chips falling into the lead-screw and inside of the vise.



Mechanical clamping force multiplier

Movable square block jaw

Gripper

Gripper

Fixed jaw "grip"

Body

Fixed square block jaw

Fixed jaw "L" type

Movable jaw "L" type

VARI CLAMP

All the features of the vise V-Power are further increased in the version Vari-Clamp.

1. Super-low design both of stationary jaw and movable jaw is suitable for clamping thinner workpieces to increase heavy duty cutting capacity and precision of processing.

2. Movable jaw is designed by balance mechanism, and there are many kinds of gripper onto the jaw in order to suit the requirement for various workpieces and difficult clamping shapes.

3. Balance jaw is designed by balance mechanism, its function is able to clamp easily slanting or not smooth surface for rough material, casting material and slanting rough surface after processed by sawing machine.

4. Vari-Clamp allows clamping of irregular, round, elliptic, rectangular, irregular-curviform, step workpieces and slanting workpieces of difficult clamping using the balance mechanism of movable jaws and the different shapes of gripper to perform well-done the clamping.



Fixbackenträger für
Gripp-Einnsätze

Mobilbacke-Pendelträger
für Gripp-Einnsätze

Spindelraumabdeckung

VISE POWER

1. Optimales Spannweiten- und Längenverhältnis, sehr kompakte Bauform, ideal für den Einsatz auf CNC-Bearbeitungszentren.

2. Mechanischer Kraftverstärker (Kniehebelprinzip) mit Spannkraftvoreinstellung (10KN; 20KN; 30KN; 40KN).

3. Grundkörper aus GGG 60 mit 600N/mm^2 oder 80.000 psi Zugfestigkeit.

4. Das Unterteil, die Führungsbahnen und Basisfläche sind auf HRC 45 induktivgehärtet, um die Präzision und Genauigkeit über viele Jahre zu gewährleisten.

5. Die Fix- und Mobilbacke sind auf HRC 52-55 gehärtet und präzisionsgeschliffen.

6. Eine Teleskop-Abdeckung verhindert das Eindringen von Schmutz und Spänen in das Innere des Spanners.



Antriebskopf

Blockbacke Mobil

Gripper

Gripper

Fix-Backe "Grippers"

Basis

Blockbacke Fix

Stufenbacke Fix

Stufenbacke mobil

VARI CLAMP

Die Basis-Eigenschaften der V-Power Schraubstöcke werden durch die Vari-Clamp Version erheblich erweitert.

1. Die besonders flache Ausführung der Fix- und Mobilbacke eignet sich insbesondere um sehr flache Werkstücke zu spannen und um die Spannweite und die Spanngenauigkeit während der Bearbeitung erheblich zu vergrößern.

2. Die Mobilbacke ist als flache Pendelbacke für den Einsatz vieler verschiedener Wechsel-Gripp-Einssätze ausgeführt, um sich optimal an die Spannflächen der Werkstücke anzulegen, bzw. so Teile schwierigster Ausformungen sicher zu spannen.

3. Der Mechanismus der Pendelbacke ist so konstruiert, dass schiefe und schräge, nicht glatte, rohe Oberflächen gespannt werden können. Rohe Gußteile und Sägeschnitte können dadurch problemlos bearbeitet werden.

4. Vari-Clamp erlaubt das optimale Spannen sehr schwieriger Teile. Durch den Pendeleffekt der Mobilbacke werden Werkstücke sicher gespannt, welche unregelmäßig geformt, rund, elliptisch, rechteckig, oval, schief, nicht winkelig, sowie sehr gratig sind.





Set base Vise Power

corpo base attrezzatura di bloccaggio completa di:
 chiave di manovra / carter protezione vite / 2 chiavette
 di posizionamento con viti / 4 staffe di bloccaggio

Set base Vise Power

Set base Vise Power complete with:
 wrench / cover for the protection of the screw /
 2 positioning keys with screw / 4 clamps

Basis-Set Vise POWER (ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
 Handkurbel / Spindelraumabdeckung / Paar Passnu-
 tensteine mit Schrauben / 4 Stück Spannpratzen

Codice-Nr Code Bestell-Nr.	per modello for type für Modell
77 58 90 00	VP 100-VCP 100
77 58 91 00	VP 130-VCP 130
77 58 92 00	VP 160-VCP 160

Kit ganasce ad "L"

"L" jaw kit

Backen-Set "Stufenbacken"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 71 10	100
58 91 71 10	130
58 92 71 10	160

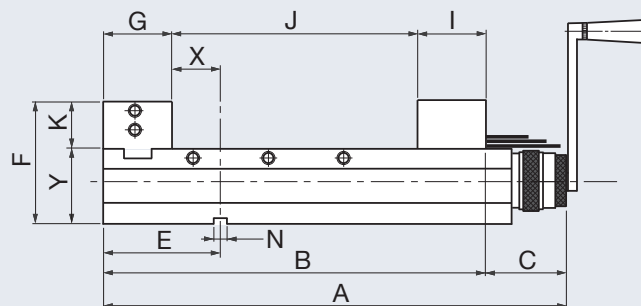
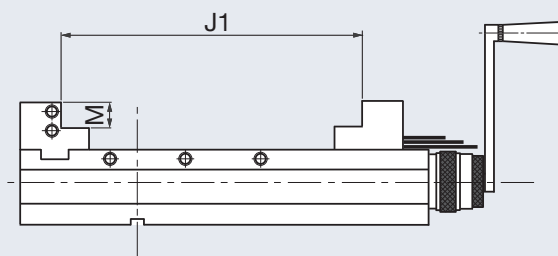
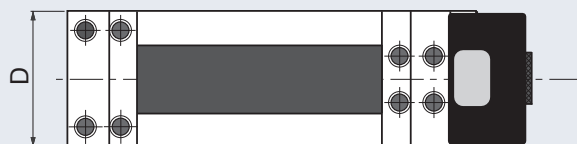


Kit ganasce integrali

Square block jaw kit

Backen-Set "Blockbacken"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 72 10	100
58 91 72 10	130
58 92 72 10	160



modello type modell	A mm	B mm	C mm	D mm	E mm	F mm	G mm	J mm	J1 mm	I mm	K mm	M mm	N mm	X mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VP 100	406	300		101	124	130	78	155	213	64	45	25		45	85	41 (4.018)	22
VP 130	516	410	106	131	149	147	83	250	315	74	52	30	18	65	95	45 (4.410)	40
VP 160	581	475		161	152	160	86	300	370	86	55	30		65	105	54 (5.296)	62

Set base Vise Power

corpo base attrezzatura di bloccaggio completa di:
 chiave di manovra / carter protezione vite / 2 chiavette
 di posizionamento con viti / 4 staffe di bloccaggio

Set base Vise Power

Set base Vise Power complete with:
 wrench / cover for the protection of the screw /
 2 positioning keys with screw / 4 clamps

Basis-Set Vise POWER (ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
 Handkurbel / Spindelraumabdeckung / Paar Passnu-
 tensteine mit Schrauben / 4 Stück Spannpratzen



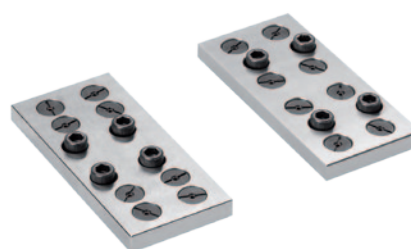
Codice-Nr. Code Bestell-Nr	per modello for type für Modell
77 58 90 00	VP 100-VCP 100
77 58 91 00	VP 130-VCP 130
77 58 92 00	VP 160-VCP 160

Kit ganasce gripper

Gripper jaw kit

Backen-Set "Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 10	100
58 91 73 10	130
58 92 73 10	160

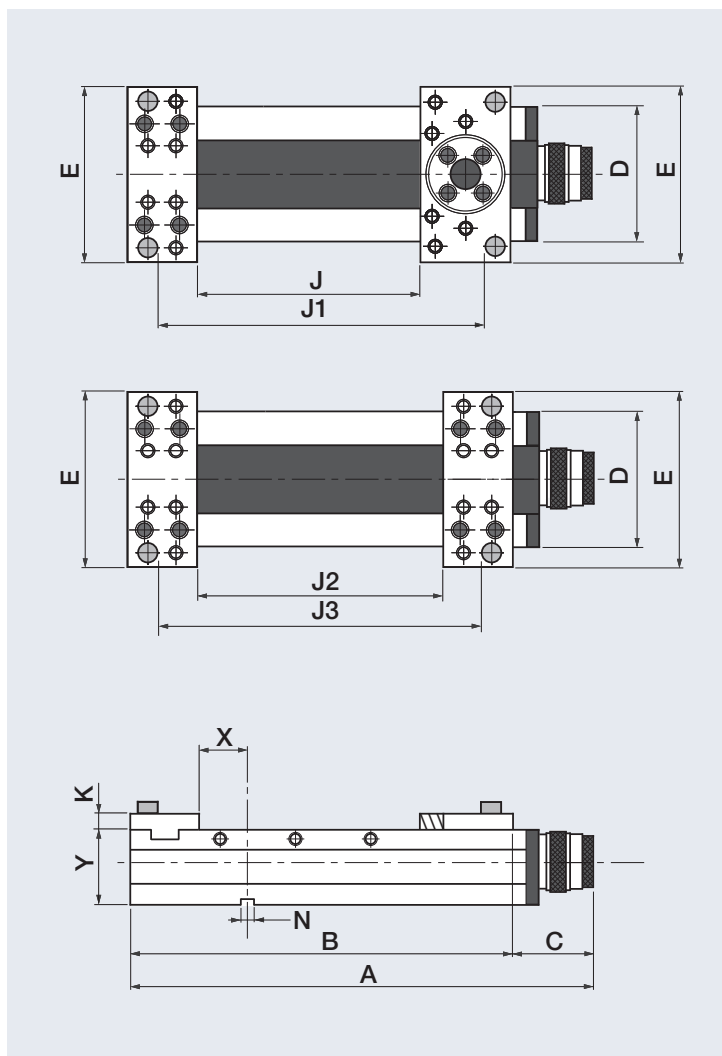


Kit ganasce gripper oscillante

Floating gripper jaw kit

Backen-Set "Pendelbacke-Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 20	100
58 91 73 20	130
58 92 73 20	160



modello type modell	A mm	B mm	C mm	D mm	E mm	J mm	J1 mm	J2 mm	J3 mm	K mm	N mm	X mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VCP 100	406	300		101	160	100	220	150	220	17		51	85	41 (4.018)	18,5
VCP 130	516	410	106	131	190	180	320	210	320	17	18	60	95	45 (4.410)	33,5
VCP 160	581	475		161	220	220	380	280	380	22		64	105	54 (5.296)	51,5



Set base meccanico VCM

corpo base attrezzatura di bloccaggio completa di:
 chiave di manovra / carter protezione vite / 2 chiavette
 di posizionamento con viti / 4 staffe di bloccaggio

Mechanical set base VCM

Set base Vise Power complete with:
 wrench / cover for the protection of the screw /
 2 positioning keys with screw / 4 clamps

Basis-Set Mechanisch VCM (ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
 Handkurbel / Spindelraumabdeckung / Paar Passnuten-
 steine mit Schrauben / 4 Stück Spannpratzen

Codice-Nr Code Bestell-Nr	per modello for type für Modell
77 58 90 60	VCM 100
77 58 91 60	VCM 130
77 58 92 60	VCM 160

Kit ganasce ad "L"

"L" jaw kit

Backen-Set "Stufenbacken"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 71 10	100
58 91 71 10	130
58 92 71 10	160

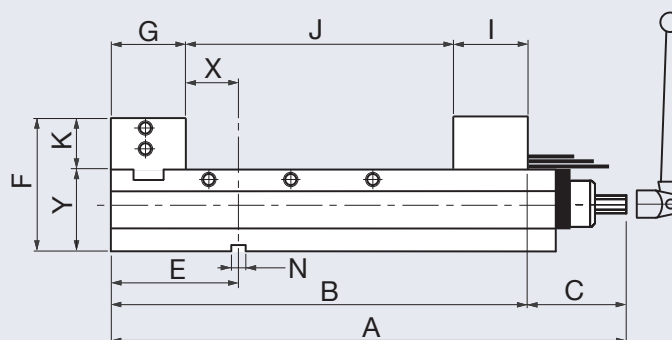
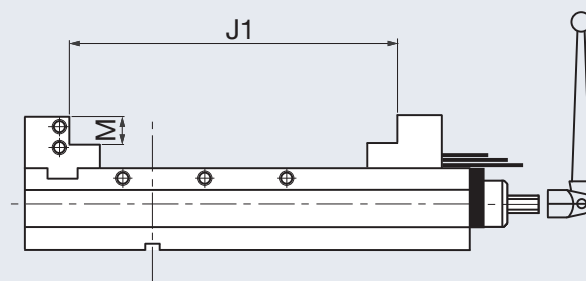
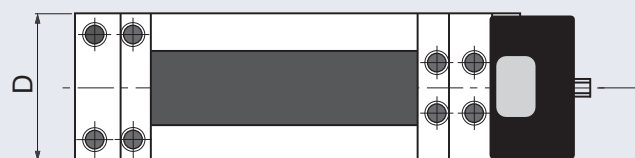


Kit ganasce integrali

Square block jaw kit

Backen-Set "Blockbacken"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 72 10	100
58 91 72 10	130
58 92 72 10	160



modello type modell	A mm	B mm	C mm	D mm	E mm	F mm	G mm	J mm	J1 mm	I mm	K mm	M mm	N mm	X mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VCM 100	398	300		101	124	130	78	155	213	64	45	25		45	85	20 (2.000)	22
VCM 130	508	410	98	131	149	147	83	250	315	74	52	30	18	65	95	40 (4.000)	40
VCM 160	573	475		161	152	160	86	300	370	86	55	30		65	105	50 (5.000)	62

Set base meccanico VCM

corpo base attrezzatura di bloccaggio completa di:
 chiave di manovra / carter protezione vite / 2 chiavette
 di posizionamento con viti / 4 staffe di bloccaggio

Mechanical set base VCM

Set base Vise Power complete with:
 wrench / cover for the protection of the screw /
 2 positioning keys with screw / 4 clamps

Basis-Set Mechanisch VCM(ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
 Handkurbel / Spindelraumabdeckung / Paar Passnuten-
 steine mit Schrauben / 4 Stück Spannpratzen



Codice-Nr. Code Bestell-Nr	per modello for type für Modell
77 58 90 60	VCM 100
77 58 91 60	VCM 130
77 58 92 60	VCM 160

Kit ganasce gripper

Gripper jaw kit

Backen-Set "Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 10	100
58 91 73 10	130
58 92 73 10	160

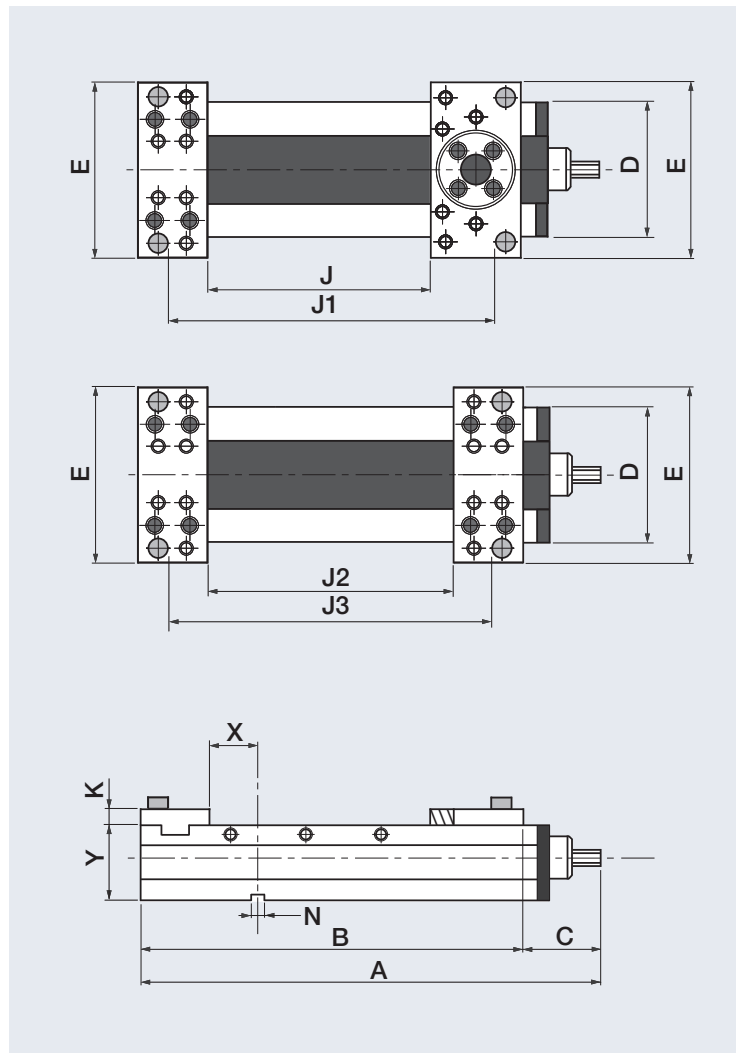


Kit ganasce gripper oscillante

Floating gripper jaw kit

Backen-Set "Pendelbacke-Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 20	100
58 91 73 20	130
58 92 73 20	160



modello type modell	A mm	B mm	C mm	D mm	E mm	J mm	J1 mm	J2 mm	J3 mm	K mm	N mm	X mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VCM 100	398	300		101	160	100	220	150	220	17		51	85	20 (2.000)	18,5
VCM 130	508	410	98	131	190	180	320	210	320	17	18	60	95	40 (4.000)	33,5
VCM 160	573	475		161	220	220	380	280	380	22		64	105	50 (5.000)	51,5

Set base autocentrante VCA

corpo base attrezzatura di bloccaggio completa di:
chiave di manovra / carter protezione vite / 2 chiavette
di posizionamento con viti / 4 staffe di bloccaggio

Self-centering set base VCA

Set base Vise Power complete with:
wrench / cover for the protection of the screw /
2 positioning keys with screw / 4 clamps

Zentrier-Spanner Basis-Set VCA (ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
Handkurbel / Spindelraumabdeckung / Paar Passnuten-
steine mit Schrauben / 4 Stück Spannpratzen

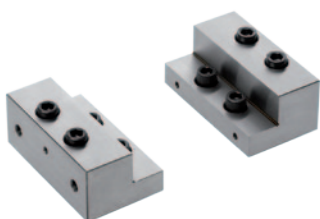


Kit ganasce ad "L"

"L" jaw kit

Backen-Set "Stufenbacken"

Codice-Nr. Code	per modello for type
Bestell-Nr. für Modell	
58 90 71 20	VCA 100
58 91 71 20	VCA 130
58 92 71 20	VCA 160

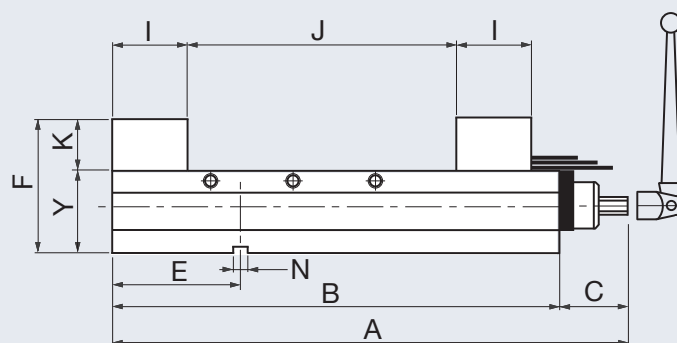
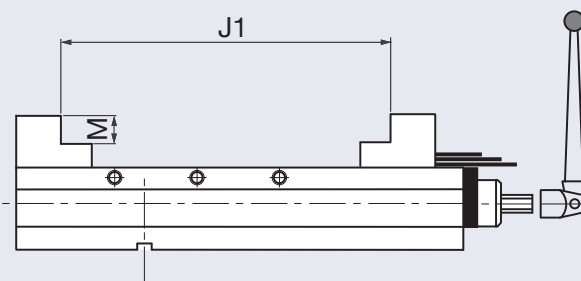
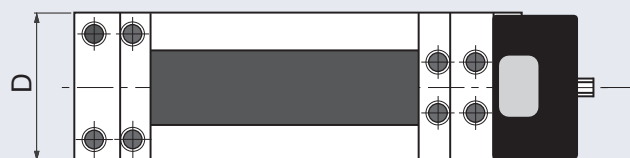
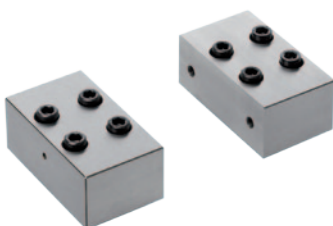


Kit ganasce integrali

Square block jaw kit

Backen-Set "Blockbacken"

Codice-Nr. Code	per modello for type
Bestell-Nr. für Modell	
58 90 72 20	VCA 100
58 91 72 20	VCA 130
58 92 72 20	VCA 160



modello type modell	A mm	B mm	C mm	D mm	E mm	F mm	J mm	J1 mm	I mm	K mm	M mm	N mm	X mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VCA 100	378	300		101	150	130	165	220	64	45	25		45	85	20 (2.000)	22
VCA 130	488	410	78	131	205	147	250	320	74	52	30	18	65	95	30 (3.000)	40
VCA 160	553	475		161	237,5	160	290	370	86	55	30		65	105	35 (3.500)	60

Set base autocentrante VCA

corpo base attrezzatura di bloccaggio completa di:
chiave di manovra / carter protezione vite / 2 chiavette
di posizionamento con viti / 4 staffe di bloccaggio

Self-centering set base VCA

Set base Vise Power complete with:
wrench / cover for the protection of the screw /
2 positioning keys with screw / 4 clamps

Zentrier-Spanner Basis-Set VCA (ohne Spannbacken)

Spanner-Basis komplett mit folgendem Lieferumfang:
Handkurbel / Spindelraumabdeckung / Paar Passnuten-
steine mit Schrauben / 4 Stück Spannpratzen

Codice-Nr. Code Bestell-Nr	per modello for type für Modell
77 58 90 70	VCA 100
77 58 91 70	VCA 130
77 58 92 70	VCA 160



Kit ganasce gripper

Gripper jaw kit

Backen-Set "Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 30	VCA 100
58 91 73 30	VCA 130
58 92 73 30	VCA 160

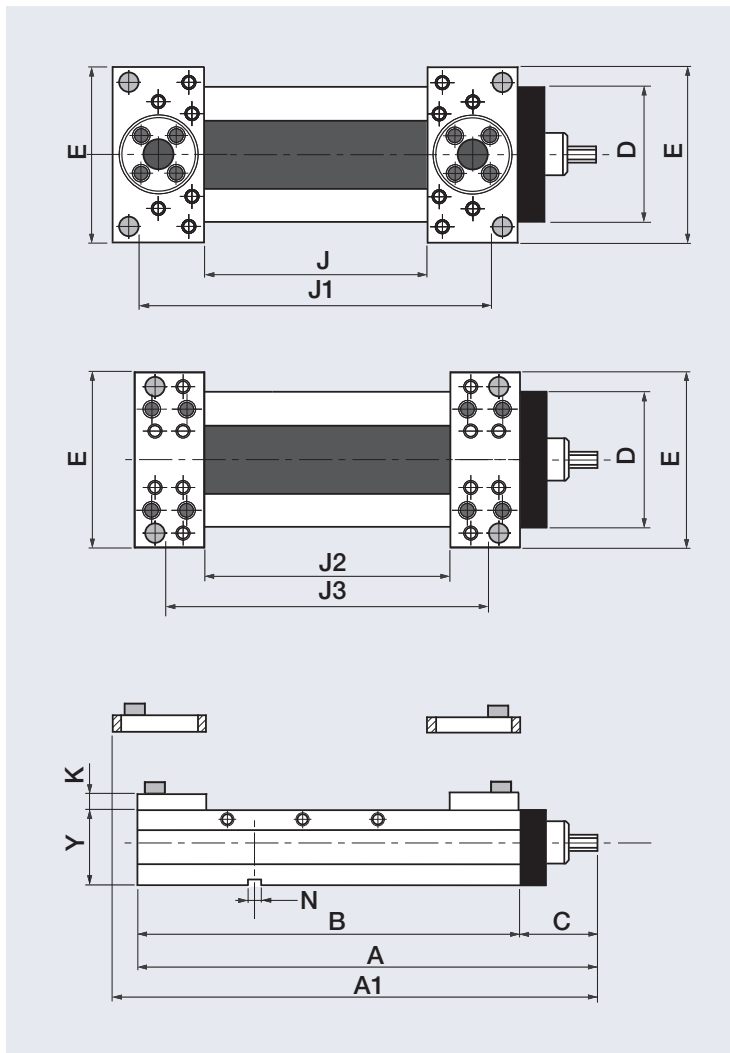


Kit ganasce gripper oscillante

Floating gripper jaw kit

Backen-Set "Pendelbacke-Grippers"

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 73 40	VCA 100
58 91 73 40	VCA 130
58 92 73 40	VCA 160



modello type modell	A mm	A1 mm	B mm	C mm	D mm	E mm	J mm	J1 mm	J2 mm	J3 mm	K mm	N mm	Y mm	Limite pressione max clamping force Spannkraft KN (kgf)	Peso weight Gewicht kg
VCA 100	378	397	300		101	160	122	270	170	230			85	20 (2.000)	19
VCA 130	488	513	410	78	131	190	205	377	255	340	22	18	95	30 (3.000)	34
VCA 160	553	584	475		161	220	230	450	295	390			105	35 (3.500)	53

Set 4 gripper h11 lisci / Set of 4 grippers h11 smooth / Set aus 4 Stück "Grippers h11 glatt"

Codice-Nr / Code / Bestell-Nr 58 90 61 14



Set 4 gripper h11 dentati / Set of 4 grippers h11 serrated / Set aus 4 Stück "Messer-Grippers h11"

Codice-Nr / Code / Bestell-Nr 58 90 61 24



Set 4 gripper h19 lisci / Set of 4 grippers h19 smooth / Set aus 4 Stück "Grippers h19 glatt"

Codice-Nr / Code / Bestell-Nr 58 90 62 14



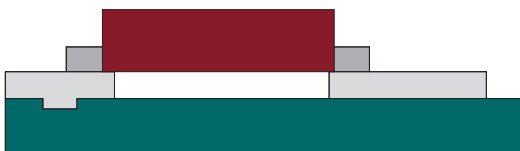
Set 4 gripper h19 dentati / Set of 4 grippers h19 serrated / Set aus 4 Stück "Messer-Grippers h19"

Codice-Nr / Code / Bestell-Nr 58 90 62 24



Set 4 gripper h24 lisci / Set of 4 grippers h24 smooth / Set aus 4 Stück "Grippers h24 glatt"

Codice-Nr / Code / Bestell-Nr 58 90 63 14



Set 4 gripper h24 dentati / **Set of 4 grippers h24 serrated** / Set aus 4 Stück "Messer-Grippers h24"

Codice-Nr / Code / Bestell-Nr **58 90 63 24**



Set 4 gripper h11 lisci-dentati / **Set of 4 grippers h11 smooth-serrated** / Set aus 4 Stück "Grippers h11 mit Spannklaue"

Codice-Nr / Code / Bestell-Nr **58 90 64 14**



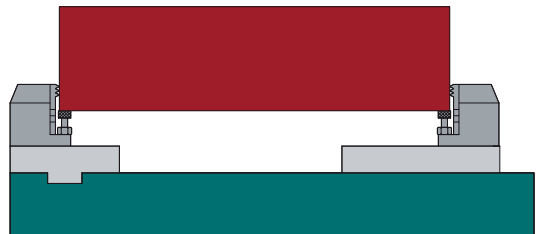
Set 4 gripper h25 teneri-lisci / **Set of 4 grippers h25 soft-smooth** / Set aus 4 Stück "Grippers h25 weich und glatt"

Codice-Nr / Code / Bestell-Nr **58 90 65 14**



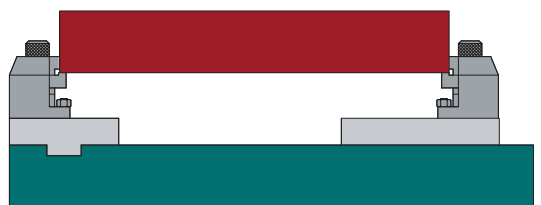
Set 4 gripper h50 dentati-vite regolabile / **Set of 4 grippers h50 serrated with adjustable screw** / Set aus 4 Stück "Messer-Grippers h50" einstellbar mit Stellschraube

Codice-Nr / Code / Bestell-Nr **58 90 67 24**



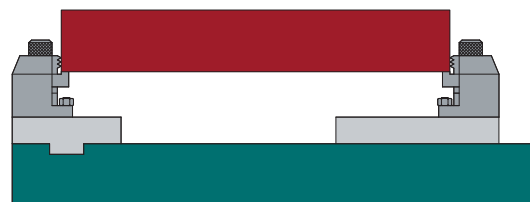
Set 4 gripper h50 lisci con appoggio / **Set of 4 grippers h50 smooth with step** / Set aus 4 Stück "Grippers h50" glatt mit Höhen-Auflage

Codice-Nr / Code / Bestell-Nr **58 90 68 14**



Set 4 gripper h50 dentati con appoggio / **Set of 4 grippers h50 serrated with step** / **Set aus 4 Stück**
"Messer-Grippers h50" mit Höhen-Auflage

Codice-Nr / Code / Bestell-Nr **58 90 68 24**



Set 4 gripper h25 lisci con vite regolabile / **Set of 4 grippers h25 smooth with adjustable screw** / **Set aus 4 Stück**
"Grippers h25" glatt und einstellbar mit Stellschraube

Codice-Nr / Code / Bestell-Nr **58 90 66 14**



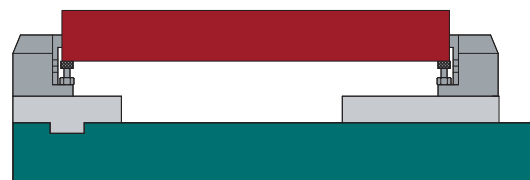
Set 4 gripper h25 dentati con vite regolabile / **Set of 4 grippers h25 serrated with adjustable screw** / **Set aus 4 Stück**
"Messer-Grippers h25" einstellbar mit Stellschraube

Codice-Nr / Code / Bestell-Nr **58 90 66 24**



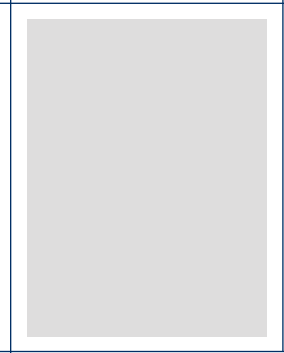
Set 4 gripper h50 lisci con vite regolabile / **Set of 4 grippers h50 smooth with adjustable screw** / **Set aus 4 Stück**
"Grippers h50" glatt und einstellbar mit Stellschraube

Codice-Nr / Code / Bestell-Nr **58 90 67 14**

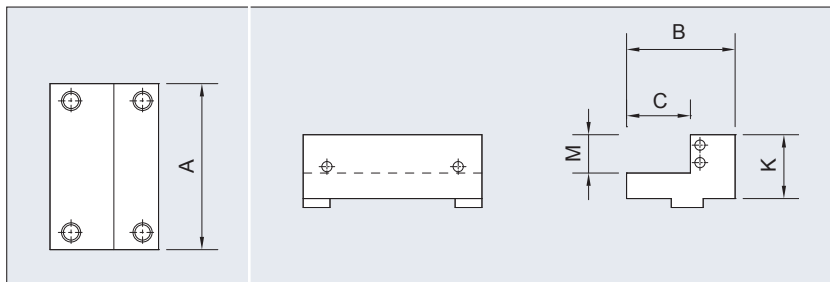


Serie completa con 14 sets di 4 gripper
Kit of 14 sets of 4 grippers
Komplett-SET bestehend aus 14 Sets je 4 Stück Grippers

Codice-Nr. Code Bestell-Nr.	58 90 60 09	per modello for type für Modell	100 - 130 - 160
-----------------------------------	-------------	---------------------------------------	-----------------

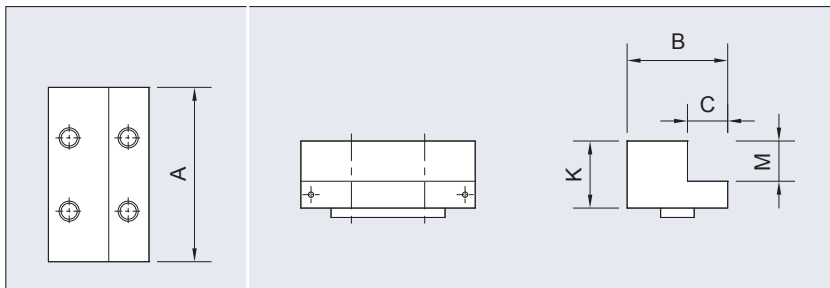
				
				
				

Ganascia fissa a "L"
Fixed jaw "L" type
Stufenbacke Fix



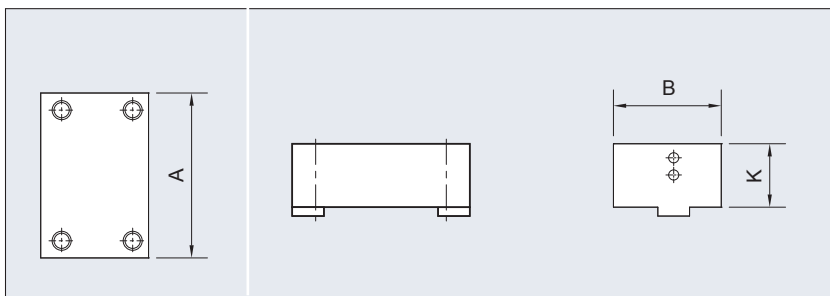
Cod/Best-Nr.	Mod/type	A mm	B mm	C mm	K mm	M mm	peso kg
58 90 02 10	100	100	78	32,5	45	25	2
58 91 02 10	130	130	83	35	52	30	3
58 92 02 10	160	160	86	35	95	30	4,2

Ganascia mobile a "L" (con carter protezione vite telescopico)
Moveable jaw "L" type (with expanding chip cover)
Stufenbacke Mobil (inkl. Späneschutz)



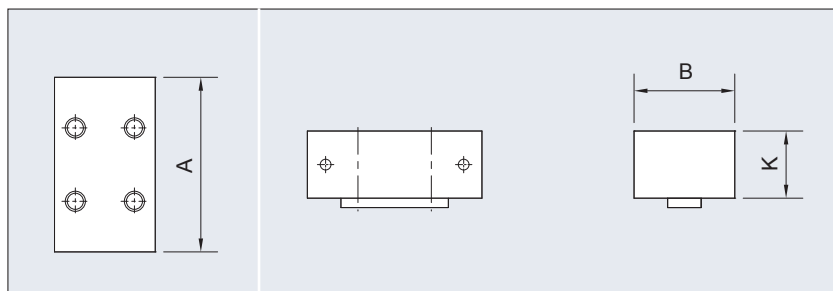
Cod/Best-Nr.	Mod/type	A mm	B mm	C mm	K mm	M mm	peso kg
58 90 03 10	100	100	64	26	45	25	1,5
58 91 03 10	130	130	74	30	52	30	2,8
58 92 03 10	160	160	86	35	55	30	4,2

Ganascia fissa integrale
Fixed square block jaw
Blockbacke Fix



Cod/Best-Nr.	Mod/type	A mm	B mm	K mm	peso/weight/Gewicht kg
58 90 02 20	100	100	78	45	3
58 91 02 20	130	130	83	52	4
58 92 02 20	160	160	86	55	6

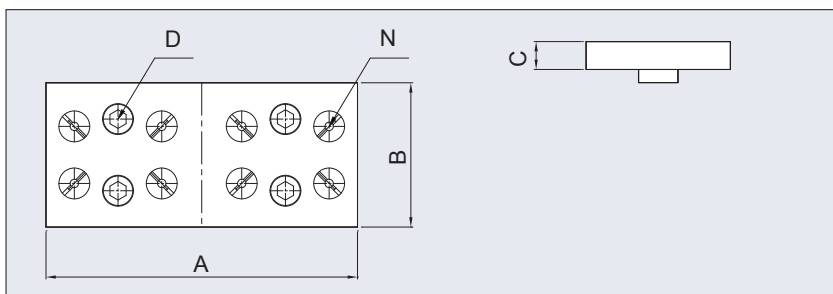
Ganascia mobile integrale (con carter protezione vite telescopico)
Moveable square block jaw (with expanding chip cover)
Blockbacke Mobil (inkl. Späneschutz)



Cod/Best-Nr.	Mod/type	A mm	B mm	K mm	peso/weight/Gewicht kg
58 90 03 20	100	100	64	45	2,5
58 91 03 20	130	130	74	52	4,5
58 92 03 20	160	160	86	55	6



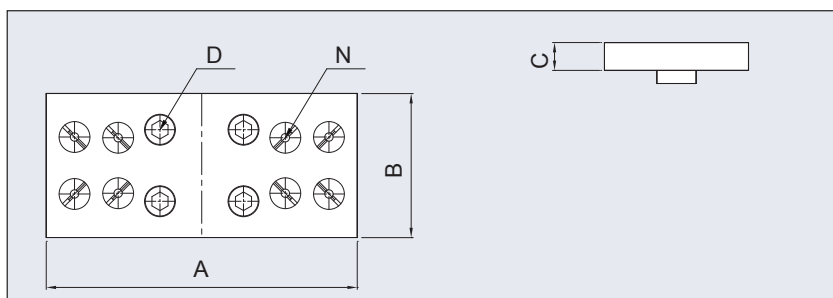
Ganascia fissa gripper
Fixed square block jaw gripper
Fix-Backe "Grippers"



Cod/Best-Nr.	Mod/type	A mm	B mm	C mm	D mm	N	peso kg
58 90 02 30	100	160	73	22	M10x25L	6	1,3
58 91 02 30	130	190	88	22	M12x30L	8	2,2
58 92 02 30	160	220	88	22	M14x30L	8	3,0



Ganascia mobile gripper
Moveable jaw gripper
Mobil-Backe "Grippers"



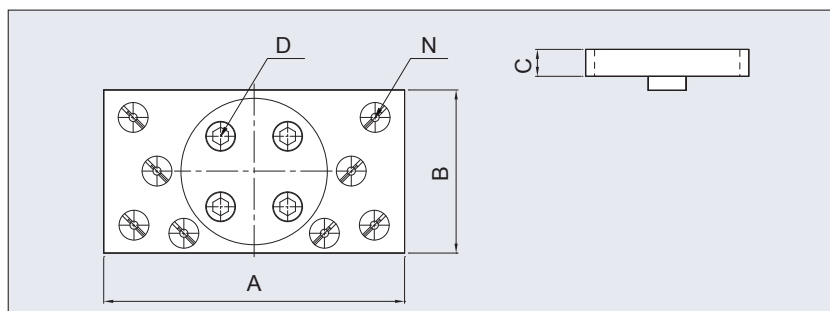
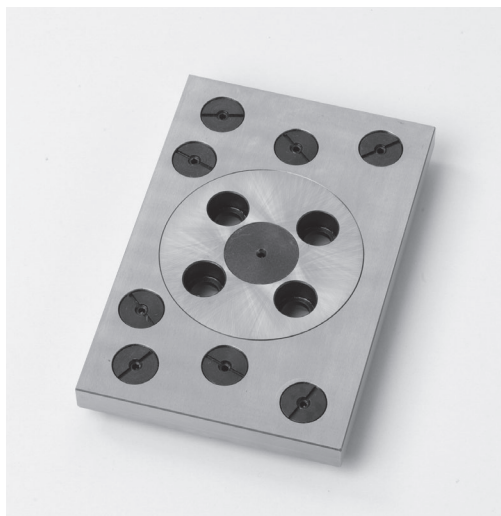
Cod/Best-Nr.	Mod/type	A mm	B mm	C mm	D mm	N	peso kg
58 90 03 30	100	160	64	22	M10x25L	6	1,4
58 91 03 30	130	190	88	22	M12x30L	8	2,2
58 92 03 30	160	220	88	22	M14x30L	8	3,3



Ganascia mobile oscillante gripper

Floating jaw gripper

Pendelbacke "Grippers" Mobil

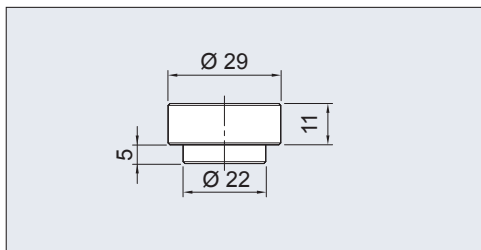


Cod/Best-Nr.	modello	A mm	B mm	C mm	D mm	N	peso kg
58 90 03 40	100	160	88	22	M10x25L	6	2,2
58 91 03 40	130	190	103	22	M12x30L	8	3,2
58 92 03 40	160	220	128	22	M14x30L	8	5,7

Gripper h11 liscio
Gripper h11 smooth
"Gripper" h11 glatt

Codice-Nr.
 Code
 Bestell-Nr.

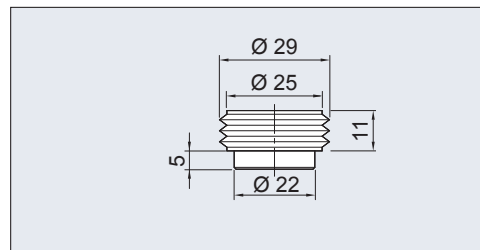
58 90 61 10



Gripper h11 dentato
Gripper h11 serrated
"Messer-Gripper" h11 längs geriffelt

Codice-Nr.
 Code
 Bestell-Nr.

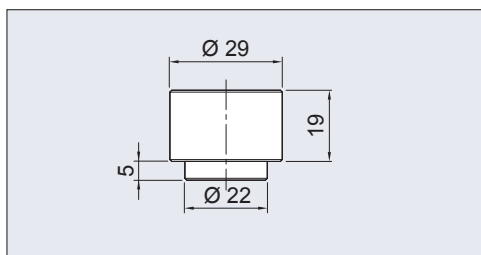
58 90 61 20



Gripper h19 liscio
Gripper h19 smooth
"Gripper" h19 glatt

Codice-Nr.
 Code
 Bestell-Nr.

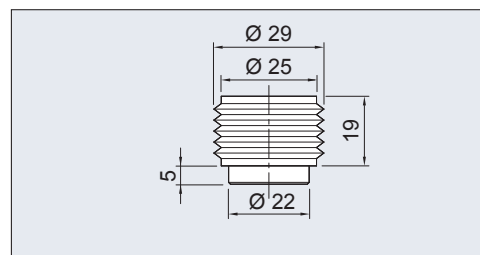
58 90 62 10



Gripper h19 dentato
Gripper h19 serrated
"Messer-Gripper" h19 längs geriffelt

Codice-Nr.
 Code
 Bestell-Nr.

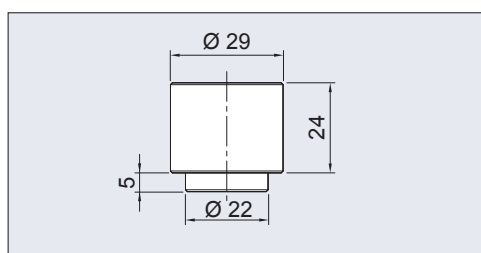
58 90 62 20



Gripper h24 liscio
Gripper h24 smooth
"Gripper" h24 glatt

Codice-Nr.
 Code
 Bestell-Nr.

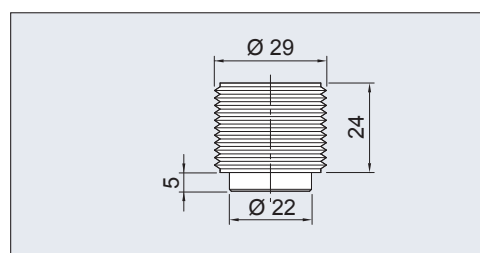
58 90 63 10



Gripper h24 dentato
Gripper h24 serrated
"Messer-Gripper" h24 längs geriffelt

Codice-Nr.
 Code
 Bestell-Nr.

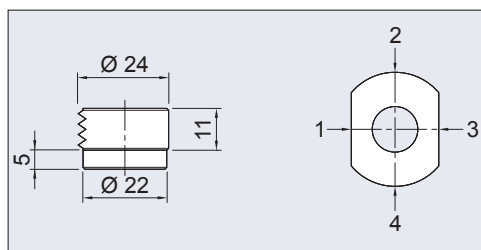
58 90 63 20



Gripper h11 liscio-dentato
Gripper h11 smooth-serrated
"Messer-Gripper" h11 glatt und längs geriffelt

Codice-Nr.
 Code
 Bestell-Nr.

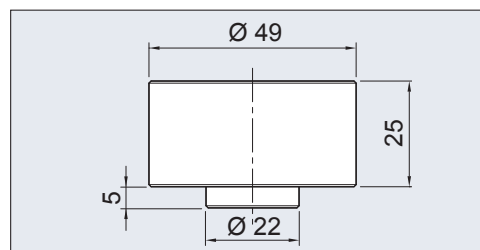
58 90 64 10



Gripper h25 tenero-liscio
Gripper h25 soft-smooth
"Gripper" weich h25 glatt

Codice-Nr.
 Code
 Bestell-Nr.

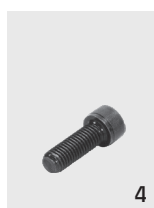
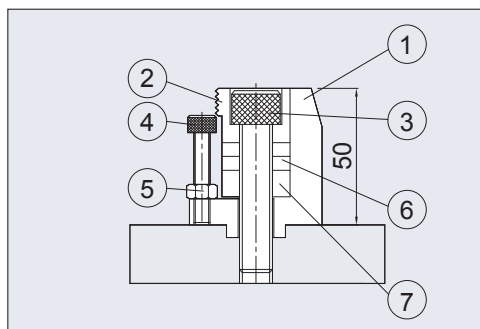
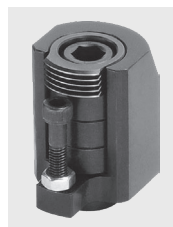
58 90 65 10



Gripper h50 dentato con vite regolabile
Gripper h50 serrated with adjustable screw
"Messer-Gripper" h50" einstellbar mit
Stellschraube

Codice-Nr.

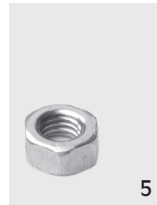
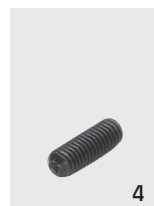
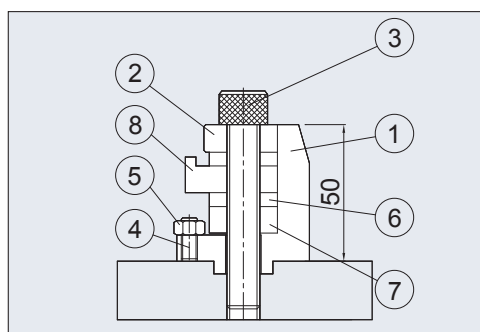
58 90 67 20



Gripper h50 liscio con appoggio
Gripper h50 smooth with step
Gripper h50" glatt mit Höhen-Auflage

Codice-Nr.

58 90 68 10



Pos.	Codice-Nr.	Descrizione
1	58 90 51 20	Corpo esterno
2	58 90 52 20	Gripper dentato
3	71 11 31 09	Vite TCEI M12x60 12.9
4	71 11 30 47	Vite TCEI M6x30 12.9
5	71 15 02 06	Dado M6
6	58 90 54 10	Spessore (5 mm)
7	58 90 54 20	Spessore (10 mm)

Pos.	Code	Description
1	58 90 51 20	Body
2	58 90 52 20	Serrated gripper
3	71 11 31 09	Screw TCEI M12x60 12.9
4	71 11 30 47	Screw TCEI M6x30 12.9
5	71 15 02 06	Nut M6
6	58 90 54 10	Washer (5 mm)
7	58 90 54 20	Washer (10 mm)

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 20	Basis-Gehäuse
2	58 90 52 20	"Messer-Gripper"
3	71 11 31 09	Schraube TCEI M12x60 12.9
4	71 11 30 47	Schraube TCEI M6x30 12.9
5	71 15 02 06	Konter-Mutter M6
6	58 90 54 10	Distanz-Ring 5mm
7	58 90 54 20	Distanz-Ring 10mm

Pos.	Codice-Nr.	Descrizione
1	58 90 51 20	Corpo esterno
2	58 90 53 10	Gripper liscio
3	71 11 31 10	Vite TCEI M12x70 12.9
4	71 11 21 24	Grano piatto M6x16
5	71 15 02 06	Dado M6
6	58 90 54 10	Spessore (5 mm)
7	58 90 54 20	Spessore (10 mm)
8	58 90 55 10	Anello di appoggio

Pos.	Code	Description
1	58 90 51 20	Body
2	58 90 53 10	Smooth gripper
3	71 11 31 10	Screw TCEI M12x70 12.9
4	71 11 21 24	Grub screw M6x16
5	71 15 02 06	Nut M6
6	58 90 54 10	Washer (5 mm)
7	58 90 54 20	Washer (10 mm)
8	58 90 55 10	Step washer

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 20	Basis-Gehäuse
2	58 90 53 10	"Gripper" glatt
3	71 11 31 10	Schraube TCEI M12x70 12.9
4	71 11 21 24	Gewindestift flach M6x16
5	71 15 02 06	Konter-Mutter M6
6	58 90 54 10	Distanz-Ring 5mm
7	58 90 54 20	Distanz-Ring 10mm
8	58 90 55 10	Auflagering

Ricambi per attrezzature

Spare parts

Zubehör für NC-Hochdruckspanner

Vari CLAMP

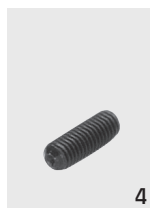
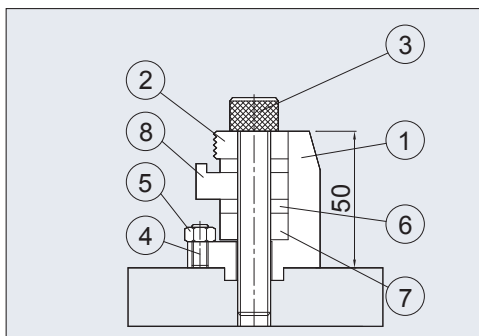
Gripper h50 dentato con appoggio

Gripper h50 serrated with step

"Messer-Gripper h50" längs geriffelt mit Höhen-Auflage

Codice-Nr.

58 90 68 20



Pos.	Codice-Nr.	Descrizione
1	58 90 51 20	Corpo esterno
2	58 90 53 20	Gripper dentato
3	71 11 31 10	Vite TCEI M12x70 12.9
4	71 11 21 24	Grano piatto M6x16
5	71 15 02 06	Dado M6
6	58 90 54 10	Spessore (5 mm)
7	58 90 54 20	Spessore (10 mm)
8	58 90 55 10	Anello di appoggio

Pos.	Code	Description
1	58 90 51 20	Body
2	58 90 53 20	Serrated gripper
3	71 11 31 10	Screw TCEI M12x70 12.9
4	71 11 21 24	Grub screw M6x16
5	71 15 02 06	Nut M6
6	58 90 54 10	Washer (5 mm)
7	58 90 54 20	Washer (10 mm)
8	58 90 55 10	Step washer

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 20	Basis-Gehäuse
2	58 90 53 20	"Messer-Gripper"
3	71 11 31 10	Schraube TCEI M12x70 12.9
4	71 11 21 24	Gewindestift flach M6x16
5	71 15 02 06	Konter-Mutter M6
6	58 90 54 10	Distanz-Ring 5mm
7	58 90 54 20	Distanz-Ring 10mm
8	58 90 55 10	Auflagering

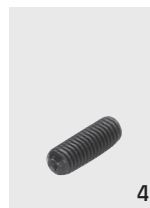
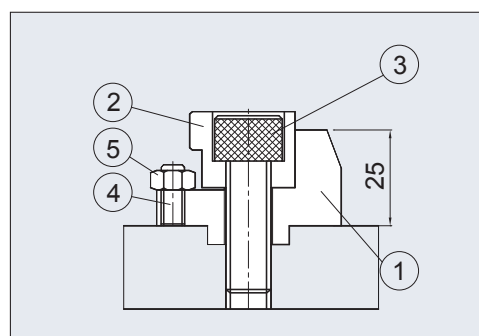
Gripper h25 liscio con vite regolabile

Gripper h25 smooth with adjustable screw

"Gripper" h25" glatt und einstellbar mit Stellschraube

Codice-Nr.

58 90 66 10



Pos.	Codice-Nr.	Descrizione
1	58 90 51 10	Corpo esterno
2	58 90 52 10	Gripper liscio
3	71 11 31 05	Vite TCEI M12x35 12.9
4	71 11 21 24	Grano piatto M6x16
5	71 15 02 06	Dado M6

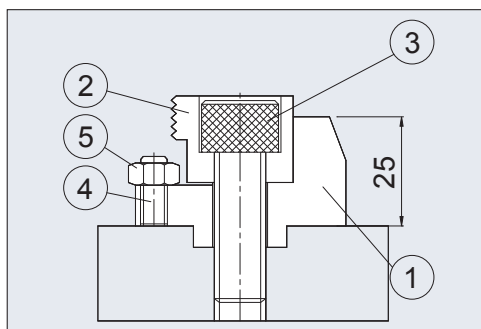
Pos.	Code	Description
1	58 90 51 10	Body
2	58 90 52 10	Smooth gripper
3	71 11 31 05	Screw TCEI M12x35 12.9
4	71 11 21 24	Grub screw M6x16
5	71 15 02 06	Nut M6

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 10	Basis-Gehäuse
2	58 90 52 10	"Gripper" glatt
3	71 11 31 05	Schraube TCEI M12x35 12.9
4	71 11 21 24	Gewindestift flach M6x16
5	71 15 02 06	Konter-Mutter M6

Gripper h25 dentato con vite regolabile
Gripper h25 serrated with adjustable screw
"Messer-Gripper" h25" einstellbar mit Stellschraube

Codice-Nr.

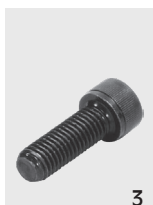
58 90 66 20



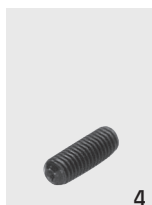
1



2



3



4



5

Pos.	Codice-Nr.	Descrizione
1	58 90 51 10	Corpo esterno
2	58 90 52 20	Gripper dentato
3	71 11 31 05	Vite TCEI M12x35 12.9
4	71 11 21 24	Grano piatto M6x16
5	71 15 02 06	Dado M6

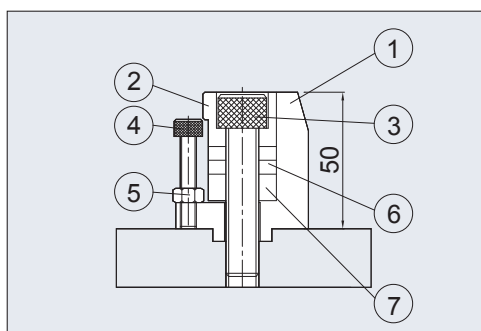
Pos.	Code	Description
1	58 90 51 10	Body
2	58 90 52 20	Serrated gripper
3	71 11 31 05	Screw TCEI M12x35 12.9
4	71 11 21 24	Grub screw M6x16
5	71 15 02 06	Nut M6

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 10	Basis-Gehäuse
2	58 90 52 20	"Messer-Gripper"
3	71 11 31 05	Schraube TCEI M12x35 12.9
4	71 11 21 24	Gewindestift flach M6x16
5	71 15 02 06	Konter-Mutter M6

Gripper h50 liscio con vite regolabile
Gripper h50 smooth with adjustable screw
"Gripper" h50" glatt und einstellbar mit Stellschraube

Codice-Nr.

58 90 67 10



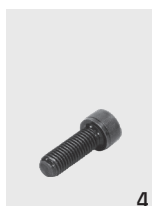
1



2



3



4



5



6



7

Pos.	Codice-Nr.	Descrizione
1	58 90 51 20	Corpo esterno
2	58 90 52 10	Gripper liscio
3	71 11 31 09	Vite TCEI M12x60 12.9
4	71 11 30 47	Vite TCEI M6x16
5	71 15 02 06	Dado M6
6	58 90 54 10	Spessore (5 mm)
7	58 90 54 20	Spessore (10 mm)

Pos.	Code	Description
1	58 90 51 20	Body
2	58 90 52 10	Smooth gripper
3	71 11 31 09	Screw TCEI M12x60 12.9
4	71 11 30 47	Screw TCEI M6x16
5	71 15 02 06	Nut M6
6	58 90 54 10	Washer (5 mm)
7	58 90 54 20	Washer (10 mm)

Pos.	Bestell-Nr.	Beschreibung
1	58 90 51 20	Basis-Gehäuse
2	58 90 52 10	"Gripper" glatt
3	71 11 31 09	Schraube TCEI M12x60 12.9
4	71 11 30 47	Schraube TCEI M6x16
5	71 15 02 06	Konter-Mutter M6
6	58 90 54 10	Distanz-Ring 5mm
7	58 90 54 20	Distanz-Ring 10mm



Rinvio ad angolo
Angle drive
Winkelantrieb

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 91 86 10	VCP 130 - VP 130
58 92 86 10	VCP 160 - VP 160



Coppia chiavette di posizionamento
Pair of positioning keys
Paar Passnutensteine mit Schrauben

Codice-Nr. Code Bestell-Nr.	mm	Codice-Nr. Code Bestell-Nr.	mm
58 90 13 92	18 x 12	58 90 13 95	18 x 18
58 90 13 93	18 x 14	58 90 13 96	18 x 20
58 90 13 94	18 x 16	58 90 13 97	18 x 22



Kit 4 staffe
Kit of 4 clamps
4 Stück Spannpratzen

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 27 09	VCP 100 - VP 100
	VCP 130 - VP 130
	VCP 160 - VP 160



Chiave di manovra VCP/VP
Wrench VCP/VP
Handkurbel VCP/VP

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 19 00	VCP 100 - VP 100
	VCP 130 - VP 130
	VCP 160 - VP 160



Chiave di manovra
Wrench VCM/VCA
Handkurbel VCM/VCA

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
58 90 19 10	VCM 100 - VCA 100
	VCM 130 - VCA 130
	VCM 160 - VCA 160



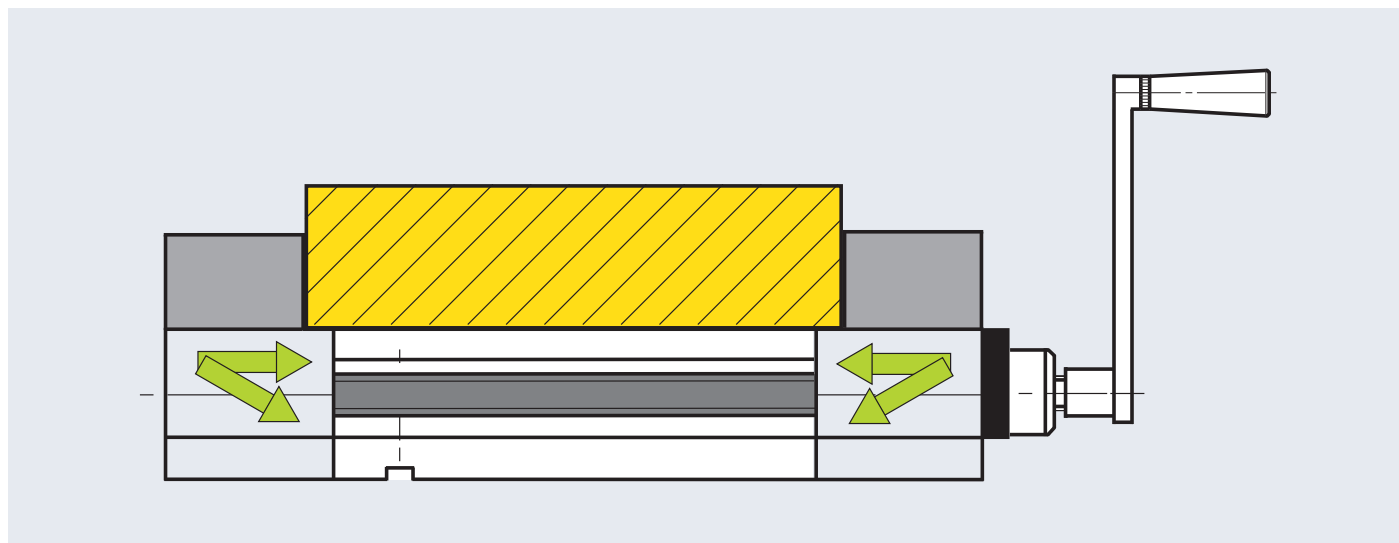
Chiave dinamometrica
Torque wrench
Drehmomentschlüssel

Codice-Nr. Code Bestell-Nr.	per modello for type für Modell
51 50 10 01	VCM 100 - VCA 100
	VCM 130 - VCA 130
	VCM 160 - VCA 160

Sistema "PULL-DOWN" applicato a tutti i modelli di morse

"PULL-DOWN" system for all type of vises

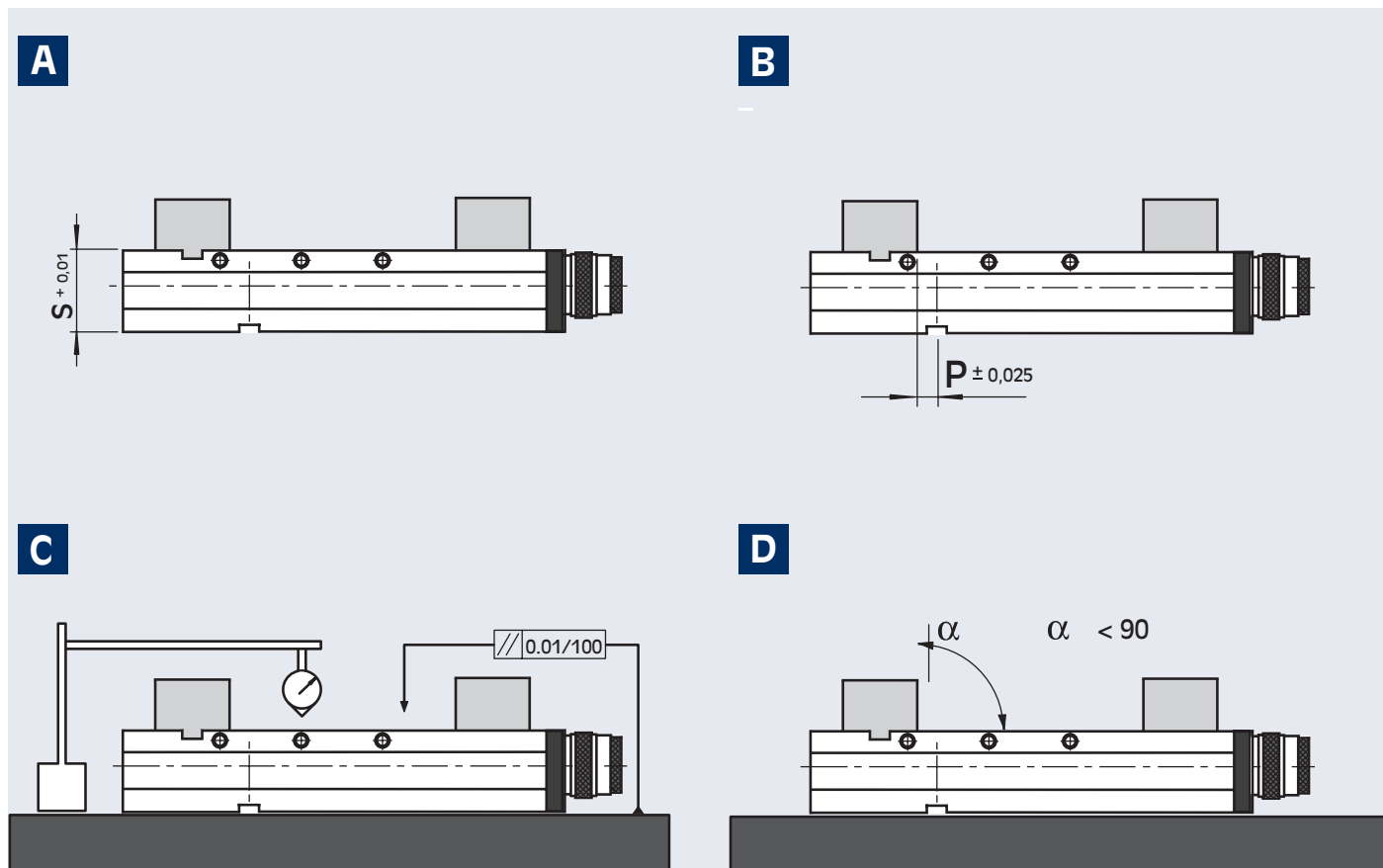
Niederzugbacken-System für alle Spanner



Tolleranze costruttive per tutti i modelli

Manufacturing tolerances for all type of vises

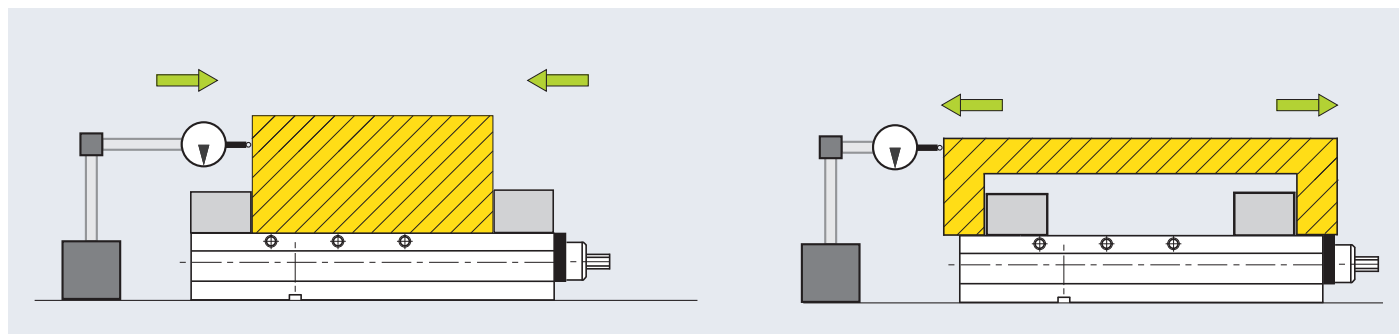
Form-, Lage- und Maßtoleranzen für alle Spanner



Precisione di ripetibilità del bloccaggio modello VCA $\pm 0,01$

Repeatability accuracy for the clamping of model VCA $\pm 0,01$

Wiederholgenanigkeit beim Spannen für das Modell VCA $\pm 0,01$



Diagrammi forze di bloccaggio VP/VCP con moltiplicatore di pressione

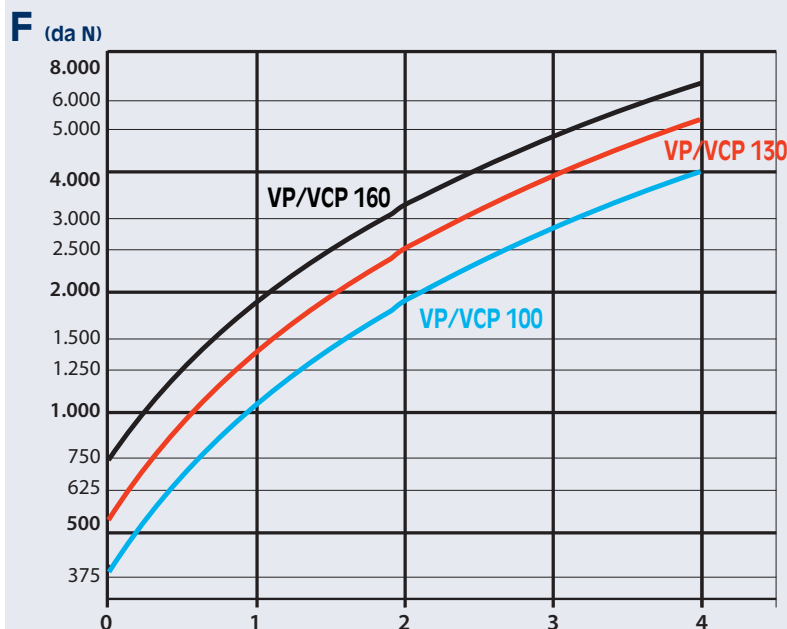
Clamping force diagrams VP/VCP with clamping force multiplier

Spannkräfte Diagramm VP/VCP mit Kraftverstärker

Il moltiplicatore di pressione, grazie all'innovativo meccanismo "TWO FINGERS INTENSIFIER" consente di raggiungere una elevata forza di bloccaggio con un minimo sforzo da parte dell'operatore.

Our innovative "TWO FINGERS INTENSIFIER" allows the clamping force multiplier to achieve a large clamping force with a minimum effort from the operator.

Der Präzision-Kraftverstärker braucht Dank eines innovativen Mechanismus sehr wenig Drehmoment (max. Handkraft) um folgende max. Spannkräfte zu erhalten.

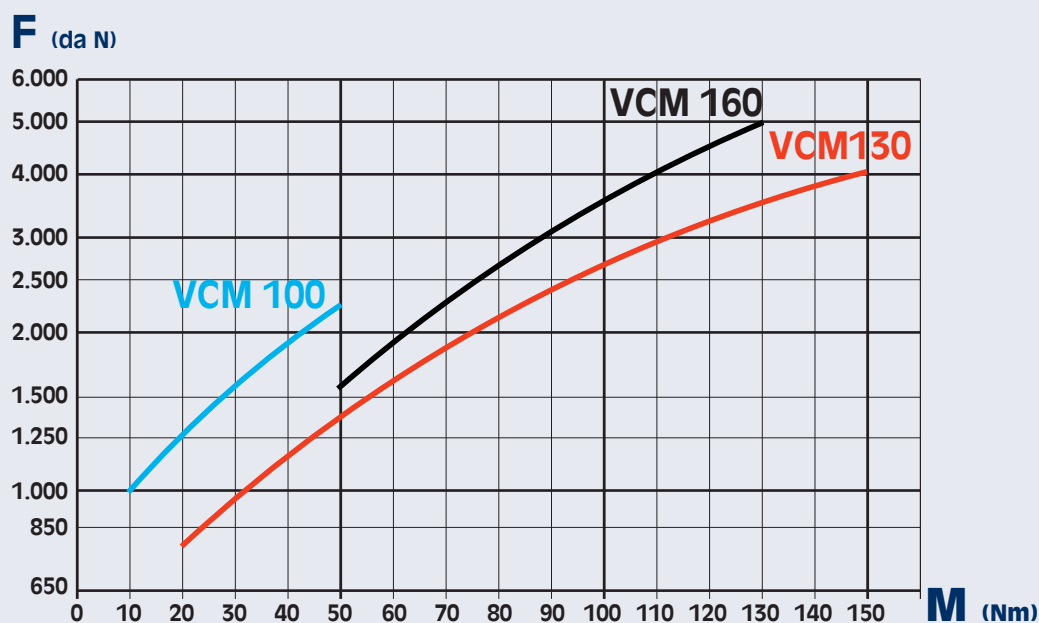


VP/VCP 100 = 4.000 kg = 15 Nm
 VP/VCP 130 = 5.500 kg = 20 Nm
 VP/VCP 160 = 6.500 kg = 25 Nm

Diagrammi forze di bloccaggio VCM senza moltiplicatore di pressione

Clamping force diagrams VCM without clamping force multiplier

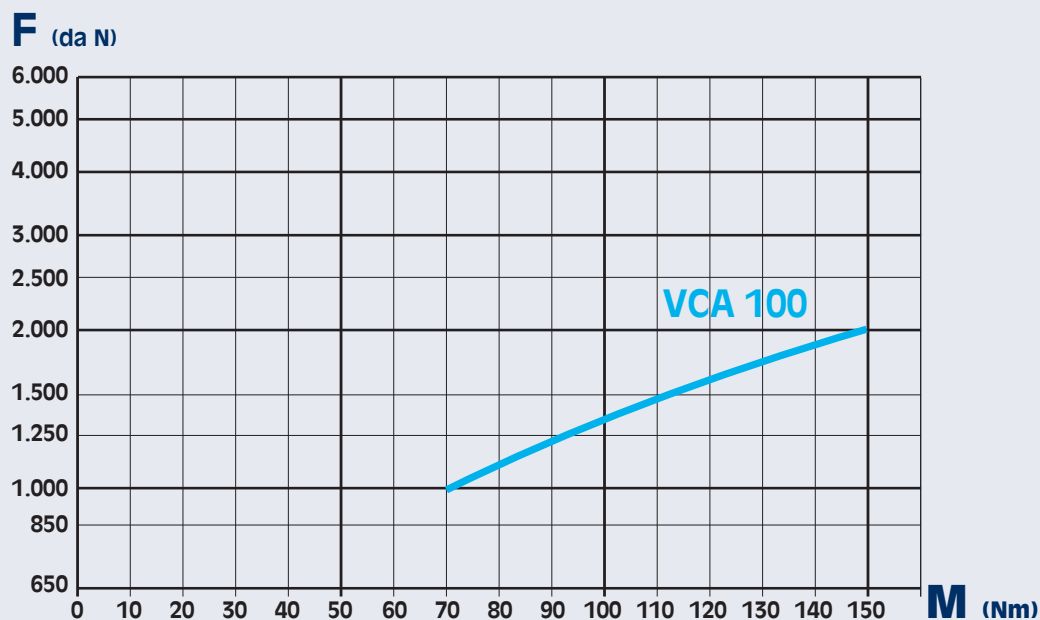
Spannkräfte Diagramm VCM ohne kraftverstärker



Diagrammi forze di bloccaggio VCA senza moltiplicatore di pressione

Clamping force diagrams VCA without clamping force multiplier

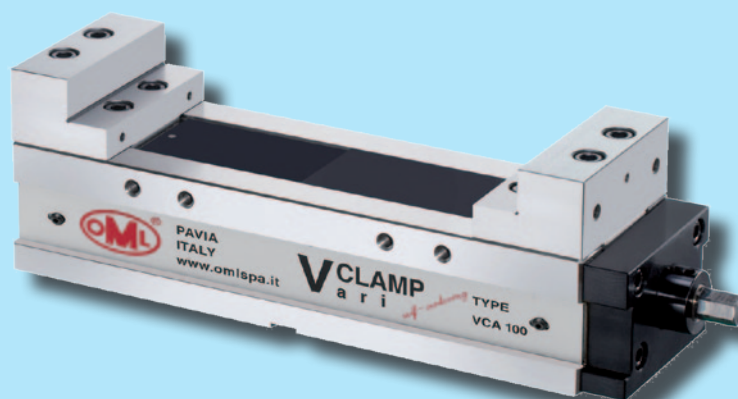
Spannkräfte Diagramm VCA ohne kraftverstärker



Possibili configurazioni delle morse "SELF CENTERING"
Possible configurations of vices "SELF CENTERING"
Mögliche Umrüstung des Spanners auf Zentrierspannung



Con ganasce integrali
With block jaws
Mit Blockbacken



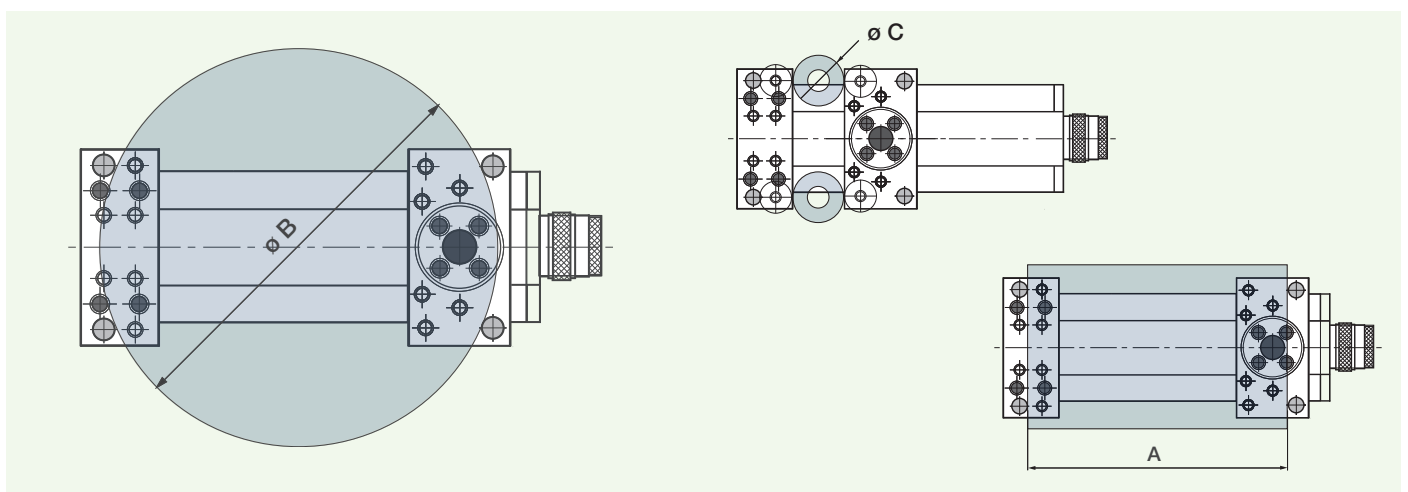
Con ganasce a L
With L jaws
Mit Stufenbacken

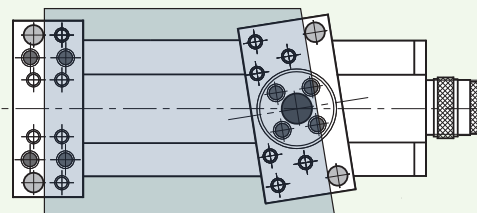
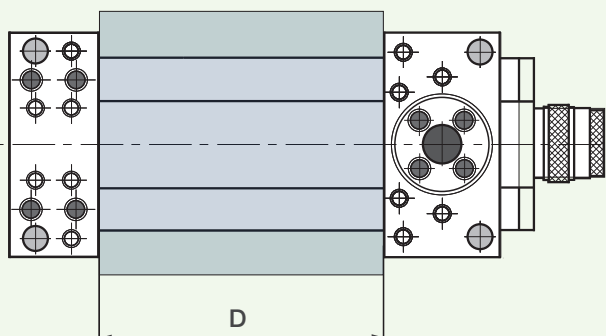


Con ganasce "GRIP"
With gripper jaws
Mit "Grippers-Backen"



Con ganasce "GRIP" oscillanti
With floating gripper jaws
Mit "Pendelbacken-Grippers"





modello	A	Ø B	Ø C	D
VCP 100	0-220	80-250		0-150
VCP 130	0-320	90-350	0-90	0-210
VCP 160	0-380	90-420		0-280

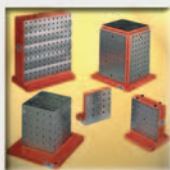


Sistemi modulari di bloccaggio
Modular clamping system
Modulare Spannsysteme

Azienda con Sistema di gestione per la qualità
UNI EN ISO 9001:2008
 Certificato da DNV



APS
 Automatic Positioning System
 Automatic Positioning System
 Automatic Positioning System



FMS
 Cubi
 Tombstones
 Spanntürme



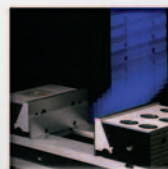
TC
 Morse TC
 TC vises
 Schraubstöcke TC



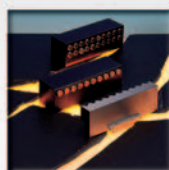
MC
 Morse MC
 MC vises
 Schraubstöcke MC



LC
 Morse LC
 LC vises
 Schraubstöcke LC



CLAK SYSTEM
 Cambio rapido
 Quick change
 Schnellwechselbacken



MULTIGRIP
 Gan. compensazione idraulica
 Hydraulic compensation jaws
 Hydraulische
 Ausgleichsbacken



CIVI 2000
 Multibloccaggio
 Multiple clamping
 Mehrfachspannsystem



CAM SYSTEM
 Bloccaggio eccentrico
 Eccentric clamping devices
 Exzenter-Spannelemente



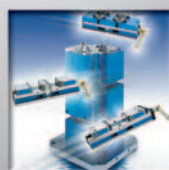
MR
 Morse di rettifica
 Grinding clamping equipment
 Schleifschraubstock
 Spannsystem



Vari CLAMP
 Morse con moltiplicatore
 Vises with clamping
 force multiplier
 Hochdruckspanner
 mit Kraftverstärker



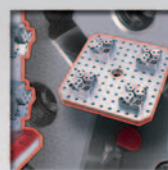
NCN
 Morse con moltiplicatore
 Vises with clamping
 force multiplier
 Hochdruckspanner
 mit Kraftverstärker



DUO - LOCK
 Morse a doppio bloccaggio
 Double clamping equipment
 Modulares
 DUO-Spannsystem



PLUS 3D
 Ganasce e accessori
 Jaws and accessories
 Spannbacken und Zubehör



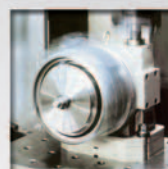
SC
 Mandrini autocentranti statici
 Static chucks
 Stationäre Spannfutter



CIVI HYDRO
 Multibloccaggio idraulico
 Hydraulic multiple clamping
 Hydraulische
 Mehrfachspannsysteme



FAST CLAMP
 Elementi di bloccaggio
 Clamping elements
 Schnellspanneinheiten



TOUCHDEX
 Tavole indexate
 Indexing tables
 Rundtische



GENIUS
 Morsa per 5 assi
 5 axis vise
 5-Achs-Spanner