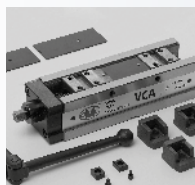




# VCA

5.5

## Morse per macchine a 5 assi



### VCA

- VCA 100
- VCA 130
- VCA 160

Pagina 5.5.2



### VCA

- Ricambi

Pagina 5.5.8



### VCA

- Accessori

Pagina 5.5.4



### VCA

- Esempi di impiego

Pagina 5.5.13



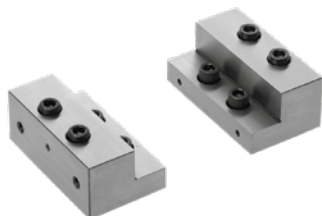
### Set base autocentrante VCA

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

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 77589070 |
| VCA 130  | 77589170 |
| VCA 160  | 77589270 |

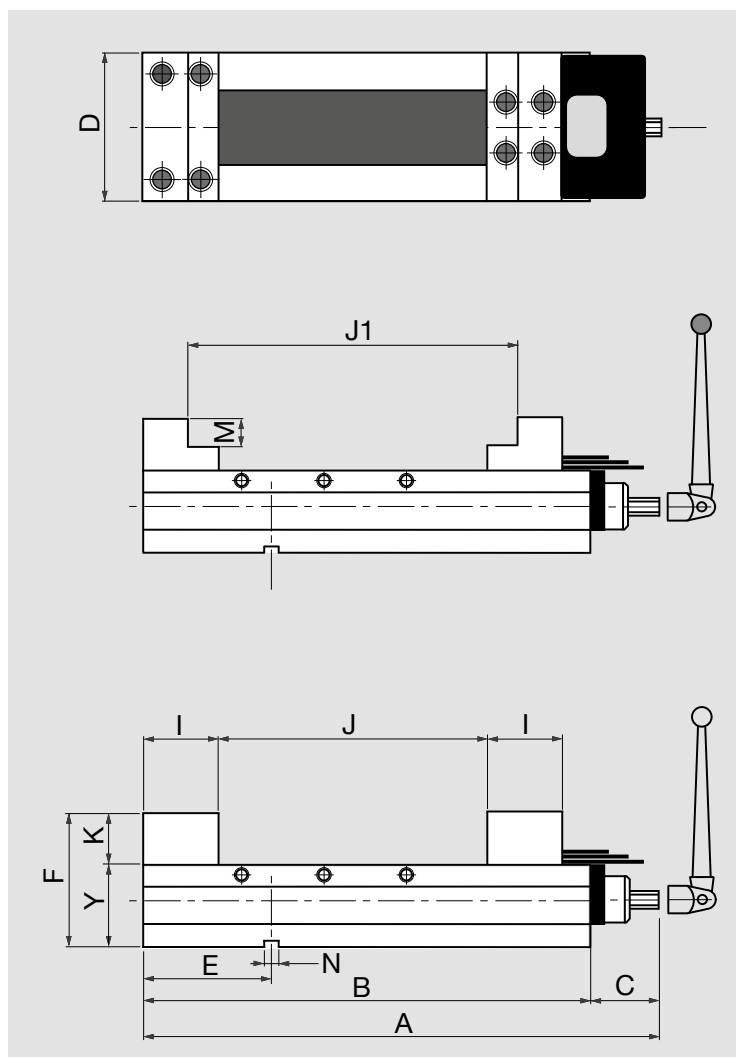
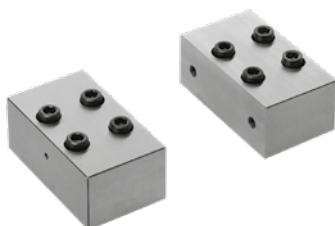
### Kit ganasce ad "L"

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 58907120 |
| VCA 130  | 58917120 |
| VCA 160  | 58927120 |



### Kit ganasce integrali

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 58907220 |
| VCA 130  | 58917220 |
| VCA 160  | 58927220 |



| Modello | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | J<br>mm |     | J1<br>mm |     | I<br>mm | K<br>mm | M<br>mm | N<br>mm | X<br>mm | Y<br>mm | Limite pressione<br>KN (kgf) | Peso<br>Kg |
|---------|---------|---------|---------|---------|---------|---------|---------|-----|----------|-----|---------|---------|---------|---------|---------|---------|------------------------------|------------|
|         |         |         |         |         |         |         | min     | max | min      | max |         |         |         |         |         |         |                              |            |
| VCA 100 | 378     | 300     |         | 101     | 150     | 130     | 40      | 165 | 40       | 220 | 64      | 45      | 25      |         | 45      | 85      | 20 (2.000)                   | 22         |
| VCA 130 | 488     | 410     | 78      | 131     | 205     | 147     | 40      | 250 | 40       | 320 | 74      | 52      | 30      | 18      | 65      | 95      | 23 (2.300)                   | 40         |
| VCA 160 | 553     | 475     |         | 161     | 237,5   | 160     | 40      | 290 | 40       | 370 | 86      | 55      | 30      |         | 65      | 105     | 24 (2.400)                   | 60         |

### Set base autocentrante VCA

corpo base attrezzatura di bloccaggio completa di:

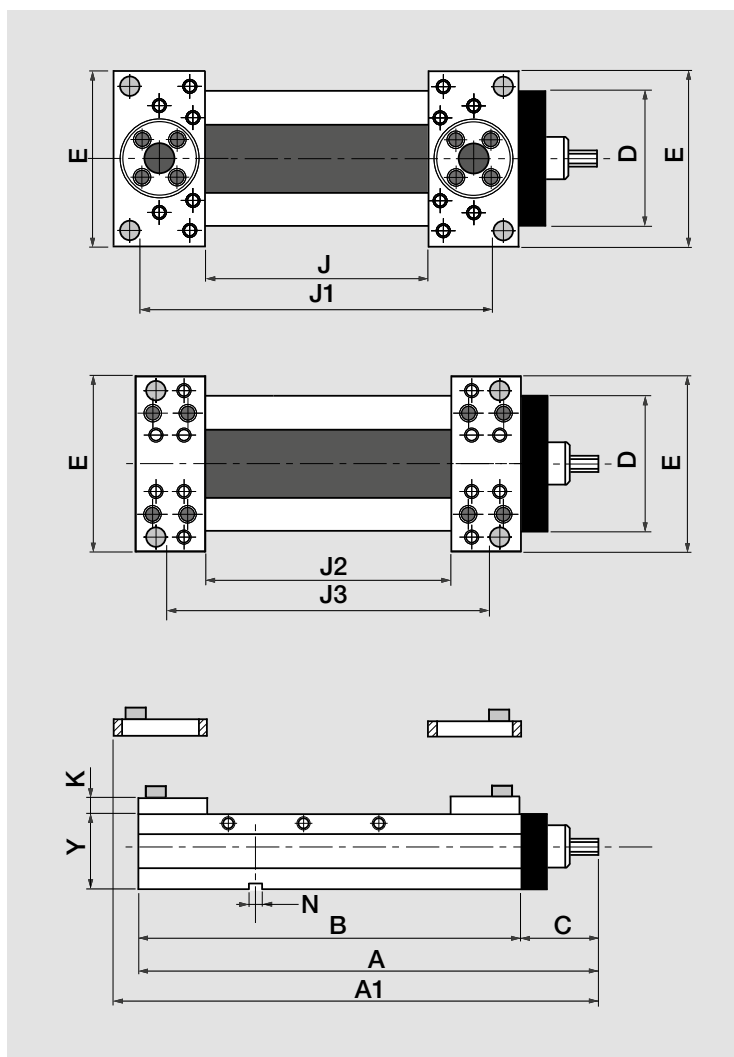
chiave di manovra

carter protezione vite

2 chiavette di posizionamento con viti

4 staffe di bloccaggio

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 77589070 |
| VCA 130  | 77589170 |
| VCA 160  | 77589270 |



### Kit ganasce gripper

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 58907330 |
| VCA 130  | 58917330 |
| VCA 160  | 58927330 |



### Kit ganasce gripper oscillante

| Tipo per | Codice   |
|----------|----------|
| VCA 100  | 58907340 |
| VCA 130  | 58917340 |
| VCA 160  | 58927340 |



| Modello | 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 KN (kgf) | Peso Kg |
|---------|------|-------|------|------|------|------|----------------|-------|----------------|-------|------|------|------|---------------------------|---------|
| VCA 100 | 378  | 397   | 300  |      | 101  | 160  | 5 min 122 max  | 270   | 40 min 170 max | 230   |      |      | 85   | 20 (2.000)                | 19      |
| VCA 130 | 488  | 513   | 410  | 78   | 131  | 190  | 5 min 205 max  | 377   | 30 min 255 max | 340   | 22   | 18   | 95   | 23 (2.300)                | 34      |
| VCA 160 | 553  | 584   | 475  |      | 161  | 220  | 11 min 230 max | 450   | 40 min 295 max | 390   |      |      | 105  | 24 (2.400)                | 53      |


**Set 4 gripper h11 lisci**
**Codice**

58906114


**Set 4 gripper h11 dentati**
**Codice**

58906124


**Set 4 gripper h19 lisci**
**Codice**

58906214


**Set 4 gripper h19 dentati**
**Codice**

58906224


**Set 4 gripper h24 lisci**
**Codice**

58906314





Set 4 gripper h24 dentati

Codice

58906324



Set 4 gripper h11 lisci-dentati

Codice

58906414



Set 4 gripper h25 teneri-lisci

Codice

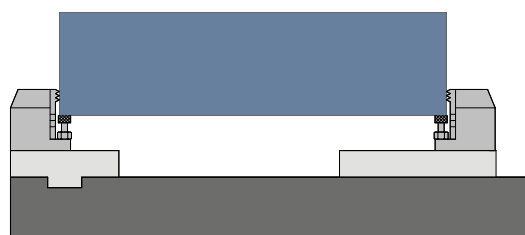
58906514



Set 4 gripper h50 dentati-vite regolabile

Codice

58906724



Set 4 gripper h50 lisci con appoggio

Codice

58906814




**Set 4 gripper h50 dentati con appoggio**
**Codice**

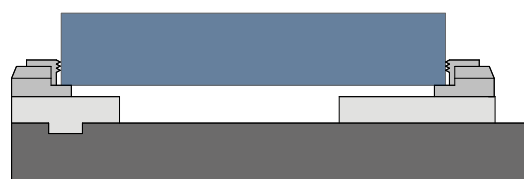
58906824


**Set 4 gripper h25 lisci con vite regolabile**
**Codice**

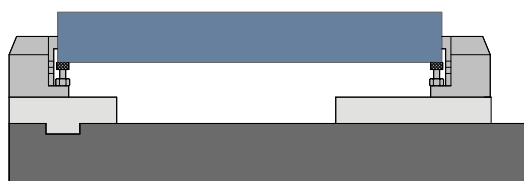
58906614


**Set 4 gripper h25 dentati con vite regolabile**
**Codice**

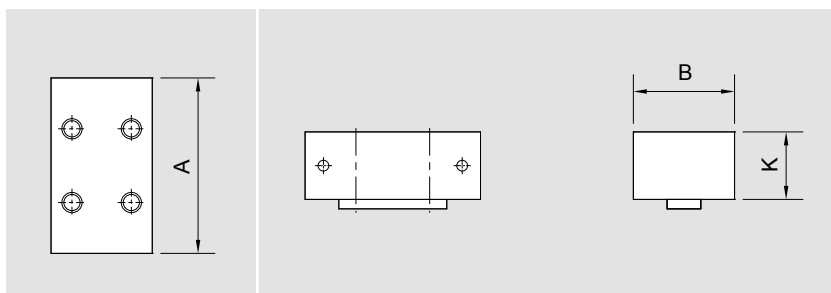
58906624


**Set 4 gripper h50 lisci con vite regolabile**
**Codice**

58906714



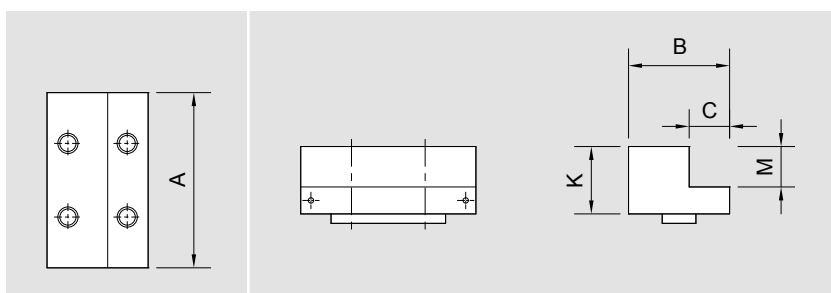
## Ganascia mobile integrale (con carter protezione vite telescopico)



| Codice   | Tipo | A mm | B mm | K mm | Peso Kg |
|----------|------|------|------|------|---------|
| 58900320 | 100  | 100  | 64   | 45   | 2,5     |
| 58910320 | 130  | 130  | 74   | 52   | 4,5     |
| 58920320 | 160  | 160  | 86   | 55   | 6       |



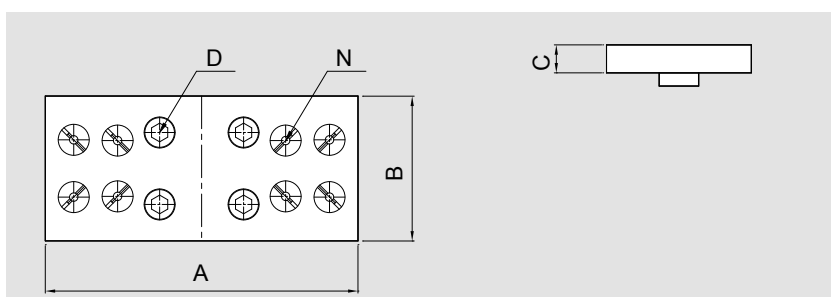
## Ganascia mobile a "L" (con carter protezione vite telescopico)



| Codice   | Tipo | A mm | B mm | C mm | K mm | M mm | Peso Kg |
|----------|------|------|------|------|------|------|---------|
| 58900310 | 100  | 100  | 64   | 26   | 45   | 25   | 1,5     |
| 58910310 | 130  | 130  | 74   | 30   | 52   | 30   | 2,8     |
| 58920310 | 160  | 160  | 86   | 35   | 55   | 30   | 4,2     |

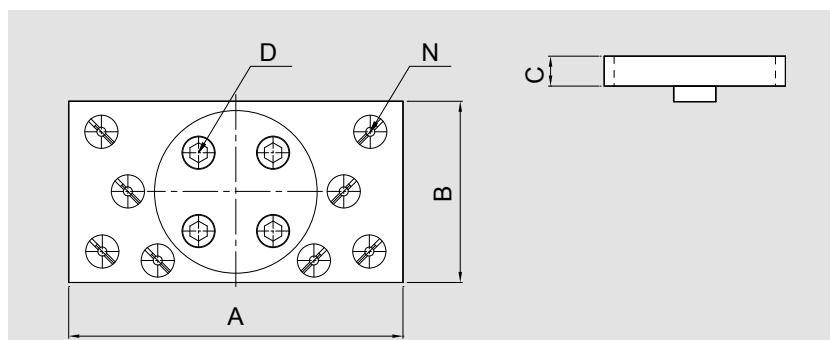
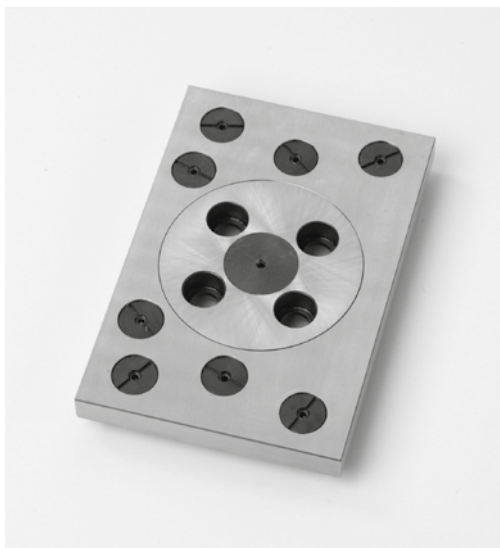


## Ganascia mobile gripper



| Codice   | Tipo | A mm | B mm | C mm | D mm    | N | Peso Kg |
|----------|------|------|------|------|---------|---|---------|
| 58900330 | 100  | 160  | 64   | 22   | M10x25L | 6 | 1,4     |
| 58910330 | 130  | 190  | 88   | 22   | M12x30L | 8 | 2,2     |
| 58920330 | 160  | 220  | 88   | 22   | M14x30L | 8 | 3,3     |

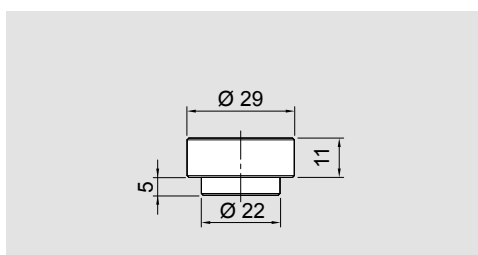


**Ganascia mobile oscillante gripper**


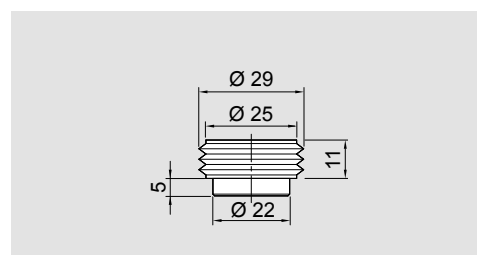
| Codice   | Tipo    | A mm | B mm | C mm | D mm    | N | Peso Kg |
|----------|---------|------|------|------|---------|---|---------|
| 58900340 | VCP 100 | 160  | 88   | 22   | M10x25L | 6 | 2,2     |
| 58910340 | VCP 130 | 190  | 103  | 22   | M12x30L | 8 | 3,2     |
| 58920340 | VCP 160 | 220  | 128  | 22   | M14x30L | 8 | 5,7     |

**Gripper h11 liscio**

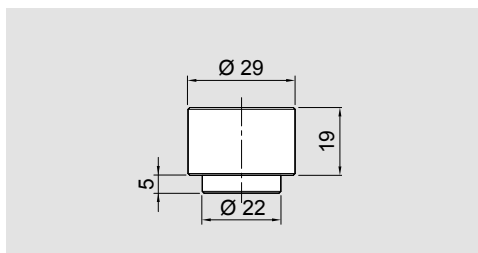
| Codice   |
|----------|
| 58906110 |


**Gripper h11 dentato**

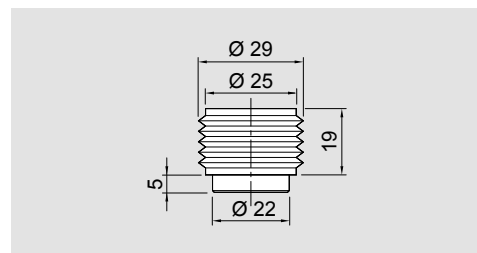
| Codice   |
|----------|
| 58906120 |


**Gripper h19 liscio**

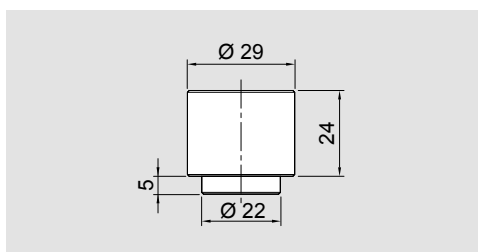
| Codice   |
|----------|
| 58906210 |


**Gripper h19 dentato**

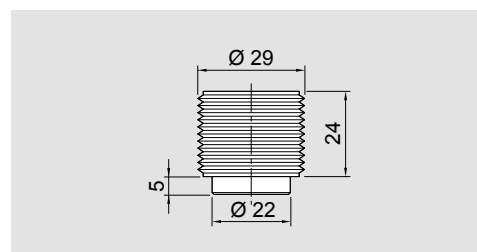
| Codice   |
|----------|
| 58906220 |


**Gripper h24 liscio**

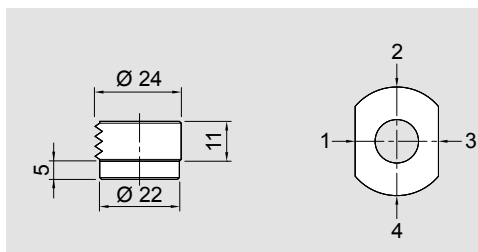
| Codice   |
|----------|
| 58906310 |


**Gripper h24 dentato**

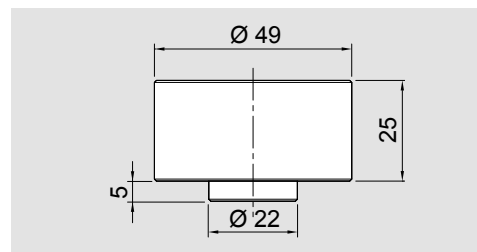
| Codice   |
|----------|
| 58906320 |


**Gripper h11 liscio-dentato**

| Codice   |
|----------|
| 58906410 |


**Gripper tenero h25 liscio**

| Codice   |
|----------|
| 58906510 |

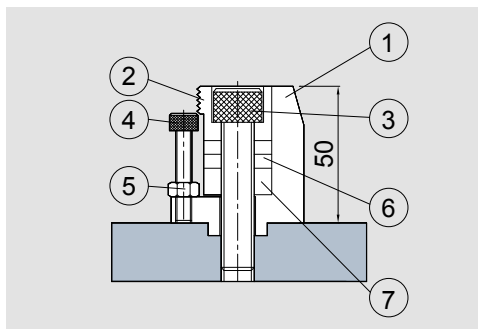




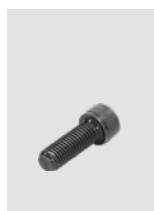
## Gripper h50 dentato con vite regolabile

Codice

58906720



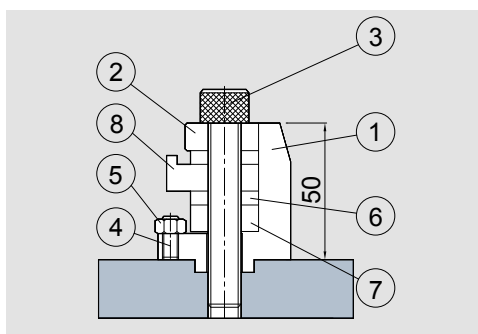
| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905120 | Corpo esterno         |
| 2    | 58905220 | Gripper dentato       |
| 3    | 71113109 | Vite TCEI M12x60 12.9 |
| 4    | 71113047 | Vite TCEI M6x30 12.9  |
| 5    | 71150206 | Dado M6               |
| 6    | 58905410 | Spessore (5 mm)       |
| 7    | 58905420 | Spessore (10 mm)      |



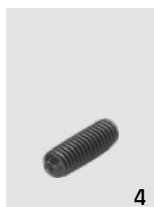
## Gripper h50 liscio con appoggio

Codice

58906810



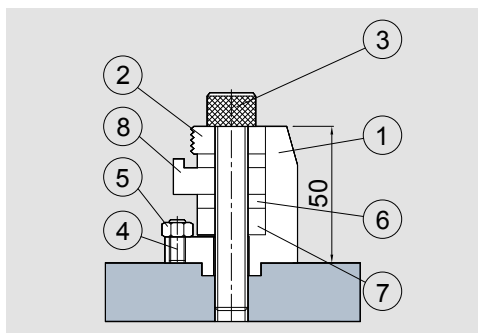
| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905120 | Corpo esterno         |
| 2    | 58905310 | Gripper liscio        |
| 3    | 71113110 | Vite TCEI M12x70 12.9 |
| 4    | 71112124 | Grano piatto M6x16    |
| 5    | 71150206 | Dado M6               |
| 6    | 58905410 | Spessore (5 mm)       |
| 7    | 58905420 | Spessore (10 mm)      |
| 8    | 58905510 | Anello di appoggio    |



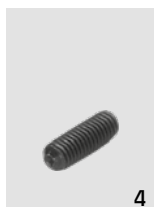
## Gripper h50 dentato con appoggio

Codice

58906820

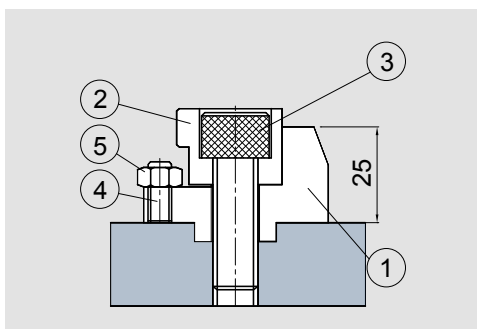


| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905120 | Corpo esterno         |
| 2    | 58905320 | Gripper dentato       |
| 3    | 71113110 | Vite TCEI M12x70 12.9 |
| 4    | 71112124 | Grano piatto M6x16    |
| 5    | 71150206 | Dado M6               |
| 6    | 58905410 | Spessore (5 mm)       |
| 7    | 58905420 | Spessore (10 mm)      |
| 8    | 58905510 | Anello di appoggio    |

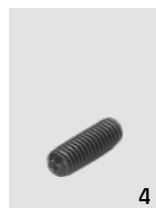


## Gripper h25 liscio con vite regolabile

| Codice   |
|----------|
| 58906610 |

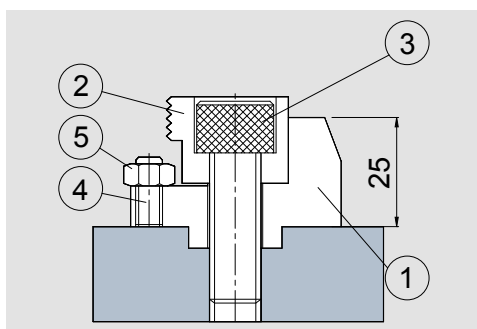


| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905120 | Corpo esterno         |
| 2    | 58905210 | Gripper liscio        |
| 3    | 71113105 | Vite TCEI M12x35 12.9 |
| 4    | 71112124 | Grano piatto M6x16    |
| 5    | 71150206 | Dado M6               |

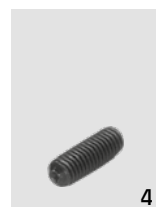


## Gripper h25 dentato con vite regolabile

| Codice   |
|----------|
| 58906620 |

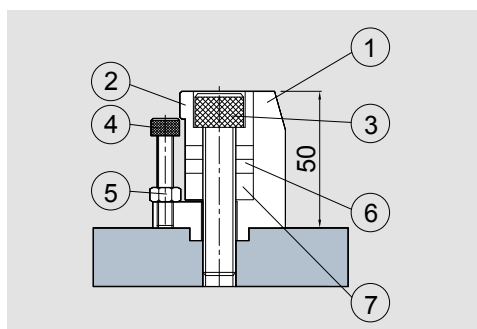


| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905110 | Corpo esterno         |
| 2    | 58905220 | Gripper dentato       |
| 3    | 71113105 | Vite TCEI M12x35 12.9 |
| 4    | 71112124 | Grano piatto M6x16    |
| 5    | 71150206 | Dado M6               |

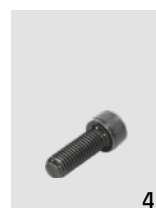


## Gripper h50 liscio con vite regolabile

| Codice   |
|----------|
| 58906710 |

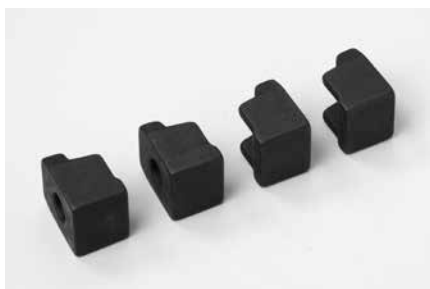


| Pos. | Codice   | Descrizione           |
|------|----------|-----------------------|
| 1    | 58905120 | Corpo esterno         |
| 2    | 58905210 | Gripper liscio        |
| 3    | 71113109 | Vite TCEI M12x60 12.9 |
| 4    | 71113047 | Vite TCEI M6x16 12.9  |
| 5    | 71150206 | Dado M6               |
| 6    | 58905410 | Spessore (5 mm)       |
| 7    | 58905420 | Spessore (10 mm)      |



**Coppia chiavette di posizionamento**


| Codice   | mm      |
|----------|---------|
| 58901392 | 18 x 12 |
| 58901393 | 18 x 14 |
| 58901394 | 18 x 16 |
| 58901395 | 18 x 18 |
| 58901396 | 18 x 20 |
| 58901397 | 18 x 22 |

**Kit 4 staffe**


| Codice   | per modello      |
|----------|------------------|
| 58902709 | VCP 100 - VP 100 |
|          | VCP 130 - VP 130 |
|          | VCP 160 - VP 160 |

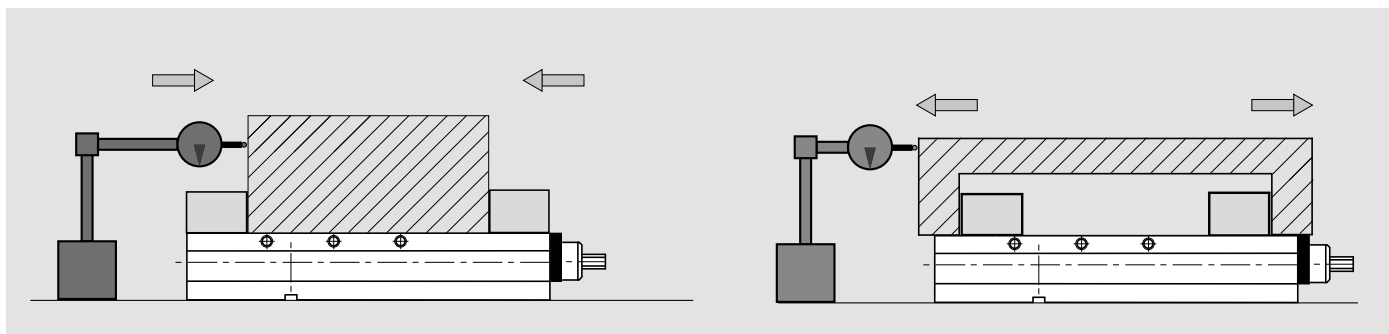
**Chiave di manovra**


| Codice   | per modello       |
|----------|-------------------|
| 58901910 | VCM 100 - VCA 100 |
|          | VCM 130 - VCA 130 |
|          | VCM 160 - VCA 160 |

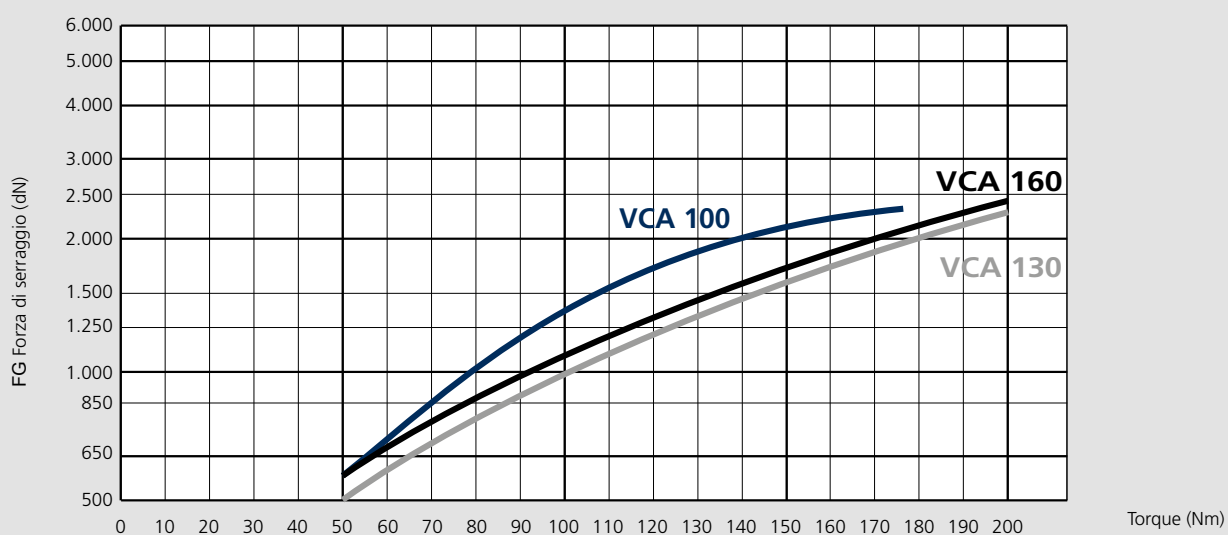
**Chiave dinamometrica**


| Codice   | per modello       |
|----------|-------------------|
| 51501010 | VCM 100 - VCA 100 |
|          | VCM 130 - VCA 130 |
|          | VCM 160 - VCA 160 |

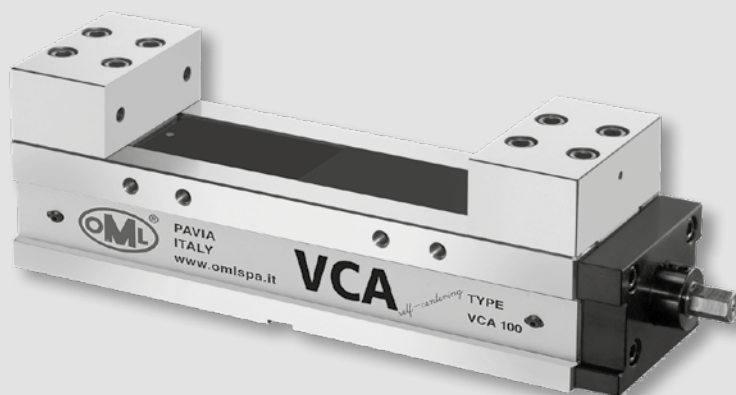
## Precisione di ripetibilità del bloccaggio modello VCA $\pm 0,01$



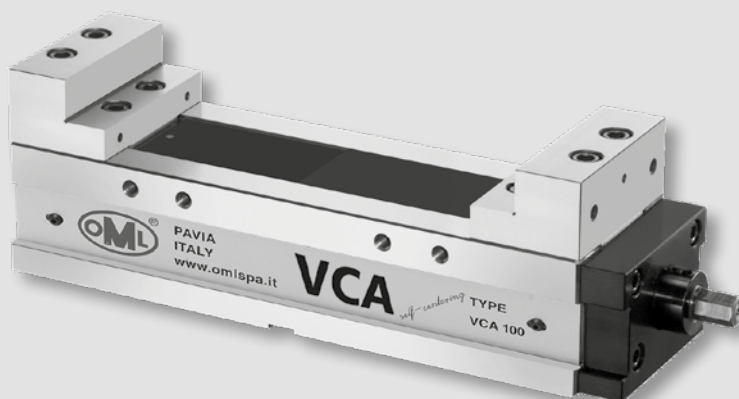
## Diagrammi forze di bloccaggio VCA senza moltiplicatore di pressione



Possibili configurazioni delle morse "SELF CENTERING"



Con ganasce integrali



Con ganasce a L



Con ganasce "GRIP"



Con ganasce "GRIP" oscillanti

# VCA

## Morse per macchine a 5 assi

