



- Cilindri compatti con interasse ISO 6431 o UNITOP
Fixing dimensions are compliant to norm ISO 6431 or UNITOP
- Predisposti per i fissaggi normalizzati
To be installed with standard fixing elements
- Grande affidabilità e lunga durata
High reliability and long life time
- Versione magnetica standard
Standard magnetic version
- Esecuzioni e corse speciali a richiesta
Special versions and strokes on request

Materiali

Camicia: alluminio
Stelo: C45 cromato o INOX AISI 304
Testate: alluminio
Pistone: alluminio
Guarnizioni: NBR o VITON
Guarnizione stelo: poliuretano o VITON
Magnete: plastroferrite

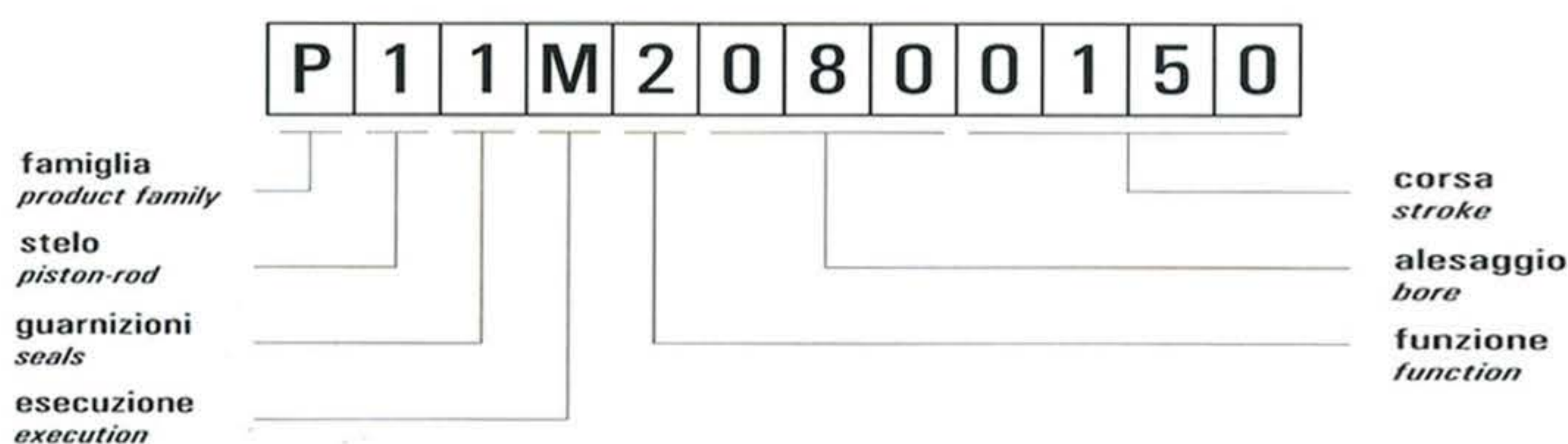
Materials

Barrel: aluminium
Piston-rod: C45 (chromium plated) or stainless steel
End-cups: aluminium
Piston: aluminium
Sealings: NBR or VITON
Piston-rod sealing: polyurethane or VITON
Magnet: magnetic iron compound

**Versione ATEX II 2GD cII T6
su richiesta**

| | |
|--|---|
| Pressione di esercizio <i>Working pressure</i> | max 10 bar max 1 MPa |
| Temperatura di esercizio <i>Temperature range</i> | NBR: max +60°C VITON: max +110°C |
| Alesaggi <i>Bores</i> | 32; 40; 50; 63; 80; 100 mm |
| Tipo di costruzione <i>Construction type</i> | Profilo quadro con cava centrale e cave laterali <i>Square aluminium profile</i> |
| Corse <i>Strokes</i> | 5 ... 200 mm |
| Fluido <i>Fluid</i> | Aria filtrata 50µ con o senza lubrificazione <i>50µ filtered, lubricated or non lubricated air</i> |

chiave di codifica key to codes



Famiglia [product family]

- P** cilindri compatti interasse ISO 6431
[compact cylinders with fixing distances ISO 6431]
- R** cilindri compatti interasse UNITOP
[compact cylinders with fixing distances UNITOP]

Stelo [piston-rod]

- 1** C45 cromato - filetto stelo femmina
[C45 chromium plated - female rod thread]
- 2** INOX - filetto stelo femmina
[stainless steel - female rod thread]
- 3** C45 cromato - filetto stelo maschio
[C45 chromium plated - male rod thread]
- 4** INOX - filetto stelo maschio
[stainless steel - male rod thread]

Guarnizioni [seals]

- 1** NBR
- 2** tutte le guarnizioni in VITON *[all seals in VITON]*
- 3** guarnizioni dello stelo in VITON *[rod seals in VITON]*

Esecuzione [execution]

- M** magnetico *[magnetic]*

Funzione [function]

- 1** semplice effetto non ammortizzato molla anteriore
[single acting front spring without pneumatic cushioning]
- 2** doppio effetto non ammortizzato
[double acting without pneumatic cushioning]
- 3** semplice effetto non ammortizzato molla posteriore
[single acting back spring without pneumatic cushioning]
- 4** doppio effetto non ammortizzato stelo passante
[double acting without pneumatic cushioning, with passing-through rod]

VERSIONI DISPONIBILI

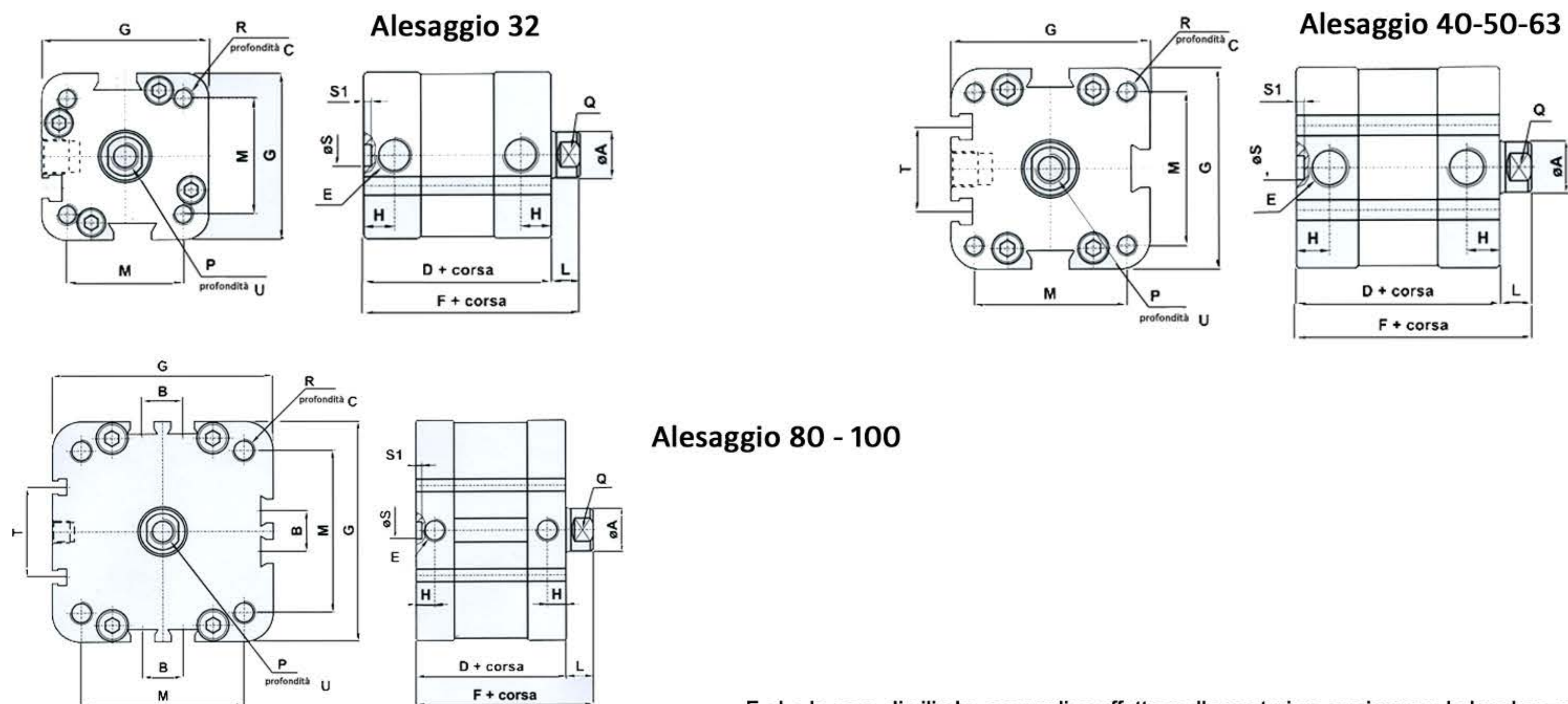
| | | | | | | | | | | | | | | | |
|---|---|---|---|----|----|----|-----|--|---|--------------------------------|-----|---|---|---|---|
| <p>doppio effetto magnetico non ammortizzato</p> <p><i>double acting magnetic without pneumatic cushioning</i></p> | alesaggio corsa bore stroke | 32 | 40 | 50 | 63 | 80 | 100 | <p>OPZIONI OPTIONS</p> <p>Lo standard è evidenziato in grigio <i>The standard is marked with grey background</i></p> <p>materiale stelo piston-rod material</p> <table border="1"> <tr> <td>C45 cromato <i>C40 chromium plated</i></td> <td>INOX <i>stainless steel</i></td> </tr> </table> <p>materiale guarnizioni seals material</p> <table border="1"> <tr> <td>NBR</td> <td>tutte in VITON <i>all seals in VITON</i></td> <td>guarnizioni stelo in VITON <i>rod seals in VITON</i></td> </tr> </table> <p>filetto stelo (rod thread)</p> <table border="1"> <tr> <td>filetto stelo femmina <i>female rod thread</i></td> <td>filetto stelo maschio <i>male rod thread</i></td> </tr> </table> | C45 cromato <i>C40 chromium plated</i> | INOX <i>stainless steel</i> | NBR | tutte in VITON <i>all seals in VITON</i> | guarnizioni stelo in VITON <i>rod seals in VITON</i> | filetto stelo femmina <i>female rod thread</i> | filetto stelo maschio <i>male rod thread</i> |
| | C45 cromato <i>C40 chromium plated</i> | INOX <i>stainless steel</i> | | | | | | | | | | | | | |
| | NBR | tutte in VITON <i>all seals in VITON</i> | guarnizioni stelo in VITON <i>rod seals in VITON</i> | | | | | | | | | | | | |
| | filetto stelo femmina <i>female rod thread</i> | filetto stelo maschio <i>male rod thread</i> | | | | | | | | | | | | | |
| | 25 | X | X | X | X | X | X | | X | | | | | | |
| | 50 | X | X | X | X | X | X | | X | | | | | | |
| | 75 | X | X | X | X | X | X | | X | | | | | | |
| | 100 | X | X | X | X | X | X | | X | | | | | | |
| 125 | X | X | X | X | X | X | X | | | | | | | | |
| 150 | X | X | X | X | X | X | X | | | | | | | | |
| 200 | X | X | X | X | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|---|---|---|----|----|----|-----|--|---|--------------------------------|-----|---|---|---|---|
| <p>doppio effetto magnetico non ammortizzato stelo passante</p> <p><i>double acting magnetic without pneumatic cushioning passing-through rod</i></p> | alesaggio corsa bore stroke | 32 | 40 | 50 | 63 | 80 | 100 | <p>OPZIONI OPTIONS</p> <p>Lo standard è evidenziato in grigio <i>The standard is marked with grey background</i></p> <p>materiale stelo piston-rod material</p> <table border="1"> <tr> <td>C45 cromato <i>C40 chromium plated</i></td> <td>INOX <i>stainless steel</i></td> </tr> </table> <p>materiale guarnizioni seals material</p> <table border="1"> <tr> <td>NBR</td> <td>tutte in VITON <i>all seals in VITON</i></td> <td>guarnizioni stelo in VITON <i>rod seals in VITON</i></td> </tr> </table> <p>filetto stelo (rod thread)</p> <table border="1"> <tr> <td>filetto stelo femmina <i>female rod thread</i></td> <td>filetto stelo maschio <i>male rod thread</i></td> </tr> </table> | C45 cromato <i>C40 chromium plated</i> | INOX <i>stainless steel</i> | NBR | tutte in VITON <i>all seals in VITON</i> | guarnizioni stelo in VITON <i>rod seals in VITON</i> | filetto stelo femmina <i>female rod thread</i> | filetto stelo maschio <i>male rod thread</i> |
| | C45 cromato <i>C40 chromium plated</i> | INOX <i>stainless steel</i> | | | | | | | | | | | | | |
| | NBR | tutte in VITON <i>all seals in VITON</i> | guarnizioni stelo in VITON <i>rod seals in VITON</i> | | | | | | | | | | | | |
| | filetto stelo femmina <i>female rod thread</i> | filetto stelo maschio <i>male rod thread</i> | | | | | | | | | | | | | |
| | 25 | X | X | X | X | X | X | | X | | | | | | |
| | 50 | X | X | X | X | X | X | | X | | | | | | |
| | 75 | X | X | X | X | X | X | | X | | | | | | |
| | 100 | X | X | X | X | X | X | | X | | | | | | |
| 125 | X | X | X | X | X | X | X | | | | | | | | |
| 150 | X | X | X | X | X | X | X | | | | | | | | |
| 200 | X | X | X | X | | | | | | | | | | | |

KIT GUARNIZIONI DI RICAMBIO

| MAGNETICO, guarnizioni standard | | | | | |
|--|---------------|----------|-----------------------|----------------|----------|
| normale | | | stelo passante | | |
| 32 | GP032 | 25.103.2 | 32 | GP032P | 25.113.2 |
| 40 | GP040 | 25.104.2 | 40 | GP040P | 25.114.2 |
| 50 | GP050 | 25.105.2 | 50 | GP050P | 25.115.2 |
| 63 | GP063 | 25.106.2 | 63 | GP063P | 25.116.2 |
| 80 | GP080 | 25.107.2 | 80 | GP080P | 25.117.2 |
| 100 | GP100 | 25.108.2 | 100 | GP100P | 25.118.2 |
| MAGNETICO, guarnizioni VITON | | | | | |
| normale | | | stelo passante | | |
| 32 | GP032V | 25.123.2 | 32 | GP032PV | 25.133.2 |
| 40 | GP040V | 25.124.2 | 40 | GP040PV | 25.134.2 |
| 50 | GP050V | 25.125.2 | 50 | GP050PV | 25.135.2 |
| 63 | GP063V | 25.126.2 | 63 | GP063PV | 25.136.2 |
| 80 | GP080V | 25.127.2 | 80 | GP080PV | 25.137.2 |
| 100 | GP100V | 25.128.2 | 100 | GP100PV | 25.138.2 |

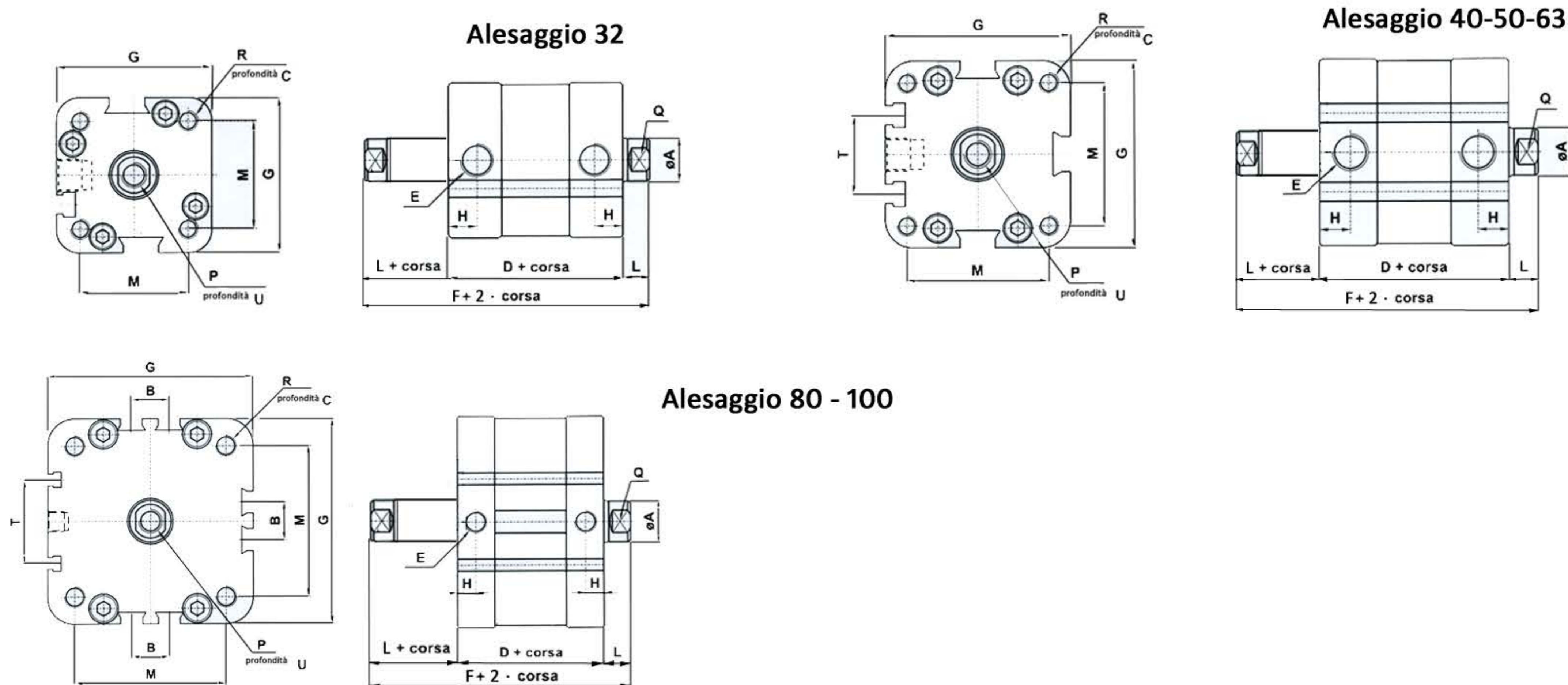
VERSIONE MAGNETICA, FILETTO STELO FEMMINA



F ; L : In caso di cilindro a semplice effetto molla posteriore aggiungere la lunghezza della corsa

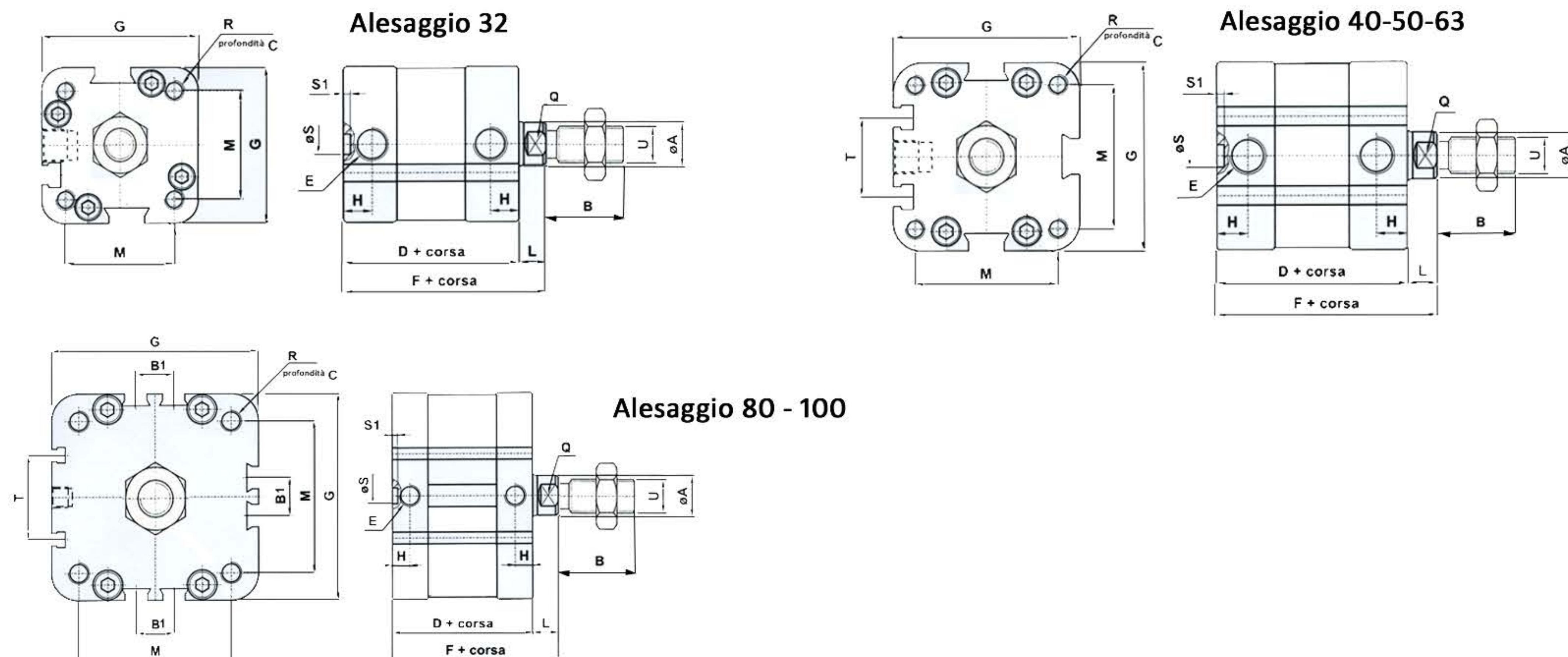
| ∅ | A | B | C | D | E | F* | G | | H | L* | M | | P | Q | R | | S | S1 | T | U |
|-----|----|----|------|----|-------|----|------|--------|-----|----|------|--------|-----|------|-----|--------|---|-----|----|------|
| | | | | | | | ISO | UNITOP | | | ISO | UNITOP | | | ISO | UNITOP | | | | |
| 32 | 12 | | 14 | 46 | G1/8" | 53 | 46 | 46 | 7 | 7 | 32,3 | 32,3 | M8 | ch10 | M6 | M6 | 6 | 2,5 | | 13,5 |
| 40 | 12 | | 14 | 46 | G1/8" | 53 | 55 | 55 | 6,5 | 7 | 38 | 42 | M8 | ch10 | M6 | M6 | 6 | 2,5 | 22 | 13,5 |
| 50 | 16 | | 16 | 50 | G1/8" | 58 | 64,5 | 64,5 | 8 | 8 | 46,5 | 50 | M10 | ch13 | M8 | M8 | 6 | 2,5 | 24 | 16 |
| 63 | 16 | | 16 | 53 | G1/8" | 61 | 78 | 78 | 8 | 8 | 56,5 | 62 | M10 | ch13 | M8 | M10 | 6 | 2,5 | 29 | 16 |
| 80 | 20 | 18 | 17 | 56 | G1/8" | 66 | 99 | 99 | 8 | 10 | 72 | 82 | M10 | ch17 | M10 | M10 | 8 | 4 | 40 | 20 |
| 100 | 25 | 28 | 17,5 | 67 | G1/4" | 77 | 119 | 119 | 9 | 10 | 89 | 103 | M12 | ch22 | M10 | M10 | 8 | 4 | 40 | 24 |

VERSIONE MAGNETICA, FILETTO STELO FEMMINA, STELO PASSANTE



| ∅ | A | B | C | D | E | F | G | | H | L | M | | P | Q | R | | T | U |
|-----|----|----|------|----|-------|----|------|--------|-----|----|------|--------|-----|------|-----|--------|----|------|
| | | | | | | | ISO | UNITOP | | | ISO | UNITOP | | | ISO | UNITOP | | |
| 32 | 12 | | 14 | 46 | G1/8" | 60 | 46 | 46 | 7 | 7 | 32,3 | 32,3 | M8 | ch10 | M6 | M6 | | 13,5 |
| 40 | 12 | | 14 | 46 | G1/8" | 60 | 55 | 55 | 6,5 | 7 | 38 | 42 | M8 | ch10 | M6 | M6 | 22 | 13,5 |
| 50 | 16 | | 16 | 50 | G1/8" | 66 | 64,5 | 64,5 | 8 | 8 | 46,5 | 50 | M10 | ch13 | M8 | M8 | 24 | 16 |
| 63 | 16 | | 16 | 53 | G1/8" | 69 | 78 | 78 | 8 | 8 | 56,5 | 62 | M10 | ch13 | M8 | M10 | 29 | 16 |
| 80 | 20 | 18 | 17 | 56 | G1/8" | 76 | 99 | 99 | 8 | 10 | 72 | 82 | M10 | ch17 | M10 | M10 | 40 | 20 |
| 100 | 25 | 28 | 17,5 | 67 | G1/4" | 87 | 119 | 119 | 9 | 10 | 89 | 103 | M12 | ch22 | M10 | M10 | 40 | 24 |

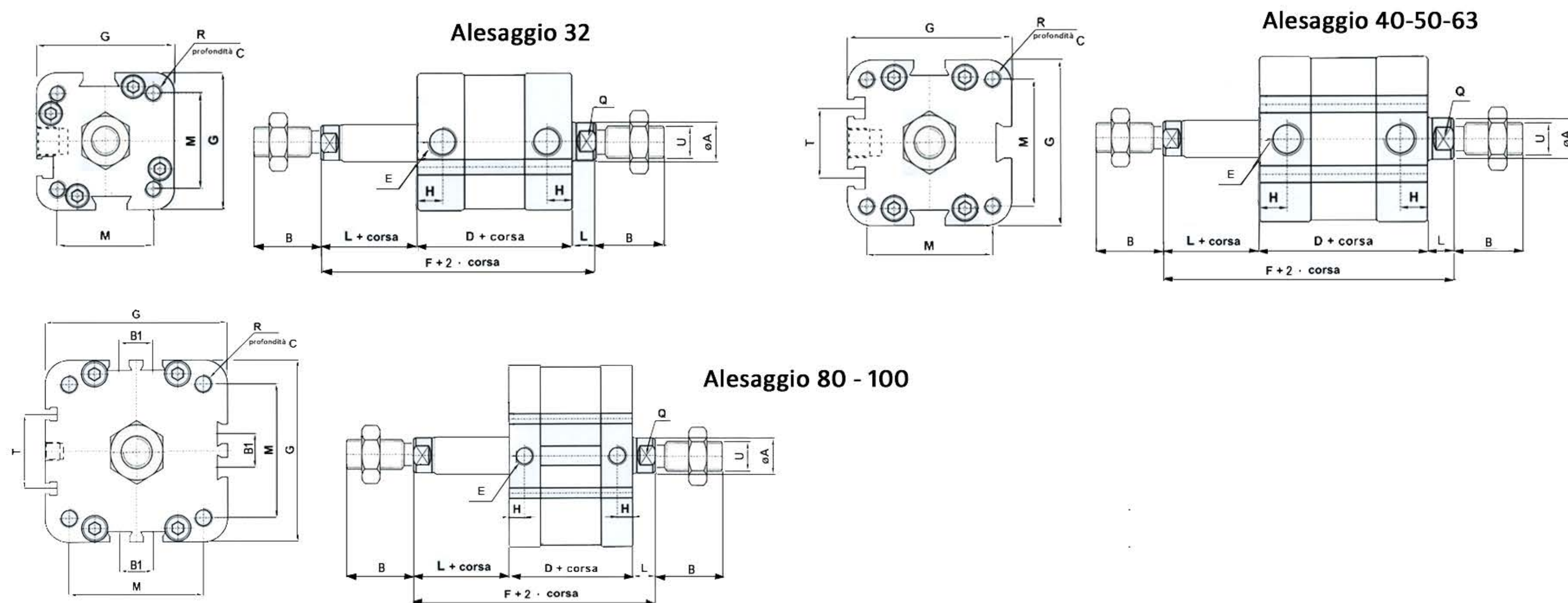
VERSIONE MAGNETICA, FILETTO STELO MASCHIO



F ; L : In caso di cilindro a semplice effetto molla posteriore aggiungere la lunghezza della corsa

| ∅ | A | B | C | D | E | F* | G | | H | L* | M | | Q | R | | S | S1 | T | U |
|-----|----|----|------|----|-------|----|------|--------|-----|----|------|--------|------|-----|--------|---|-----|----|----------|
| | | | | | | | ISO | UNITOP | | | ISO | UNITOP | | ISO | UNITOP | | | | |
| 32 | 12 | 22 | 14 | 46 | G1/8" | 53 | 46 | 46 | 7 | 7 | 32,3 | 32,3 | ch10 | M6 | M6 | 6 | 2,5 | | M10x1,25 |
| 40 | 12 | 22 | 14 | 46 | G1/8" | 53 | 55 | 55 | 6,5 | 7 | 38 | 42 | ch10 | M6 | M6 | 6 | 2,5 | 22 | M10x1,25 |
| 50 | 16 | 24 | 16 | 50 | G1/8" | 58 | 64,5 | 64,5 | 8 | 8 | 46,5 | 50 | ch13 | M8 | M8 | 6 | 2,5 | 24 | M12x1,25 |
| 63 | 16 | 24 | 16 | 53 | G1/8" | 61 | 78 | 78 | 8 | 8 | 56,5 | 62 | ch13 | M8 | M10 | 6 | 2,5 | 29 | M12x1,25 |
| 80 | 20 | 32 | 17 | 56 | G1/8" | 66 | 99 | 99 | 8 | 10 | 72 | 82 | ch17 | M10 | M10 | 8 | 4 | 40 | M16x1,5 |
| 100 | 25 | 40 | 17,5 | 67 | G1/4" | 77 | 119 | 119 | 9 | 10 | 89 | 103 | ch22 | M10 | M10 | 8 | 4 | 40 | M20x1,5 |

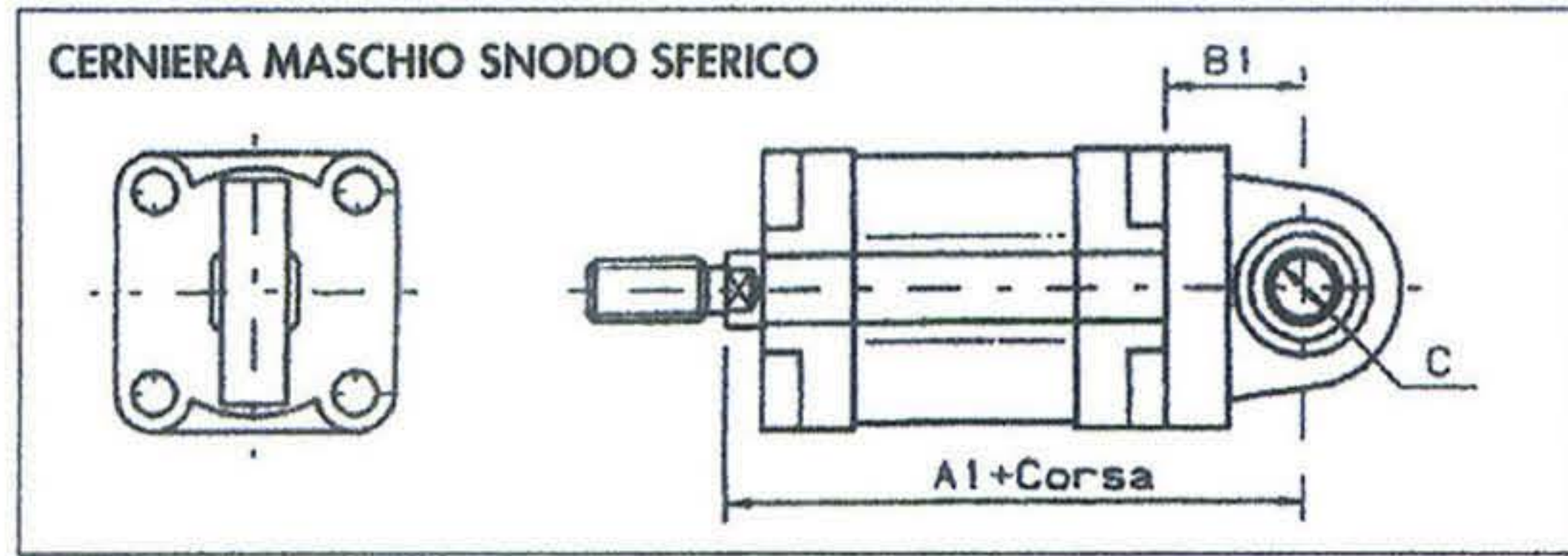
VERSIONE MAGNETICA, FILETTO STELO MASCHIO, STELO PASSANTE



| ∅ | A | B | B1 | C | D | E | F | G | | H | L | M | | Q | R | | T | U |
|-----|----|----|----|------|----|-------|----|------|--------|-----|----|------|--------|------|-----|--------|----|------|
| | | | | | | | | ISO | UNITOP | | | ISO | UNITOP | | ISO | UNITOP | | |
| 32 | 12 | 22 | | 14 | 46 | G1/8" | 60 | 46 | 46 | 7 | 7 | 32,3 | 32,3 | ch10 | M6 | M6 | | 13,5 |
| 40 | 12 | 22 | | 14 | 46 | G1/8" | 60 | 55 | 55 | 6,5 | 7 | 38 | 42 | ch10 | M6 | M6 | 22 | 13,5 |
| 50 | 16 | 24 | | 16 | 50 | G1/8" | 66 | 64,5 | 64,5 | 8 | 8 | 46,5 | 50 | ch13 | M8 | M8 | 24 | 16 |
| 63 | 16 | 24 | | 16 | 53 | G1/8" | 69 | 78 | 78 | 8 | 8 | 56,5 | 62 | ch13 | M8 | M10 | 29 | 16 |
| 80 | 20 | 32 | 18 | 17 | 56 | G1/8" | 76 | 99 | 99 | 8 | 10 | 72 | 82 | ch17 | M10 | M10 | 40 | 20 |
| 100 | 25 | 40 | 28 | 17,5 | 67 | G1/4" | 87 | 119 | 119 | 9 | 10 | 89 | 103 | ch22 | M10 | M10 | 40 | 24 |

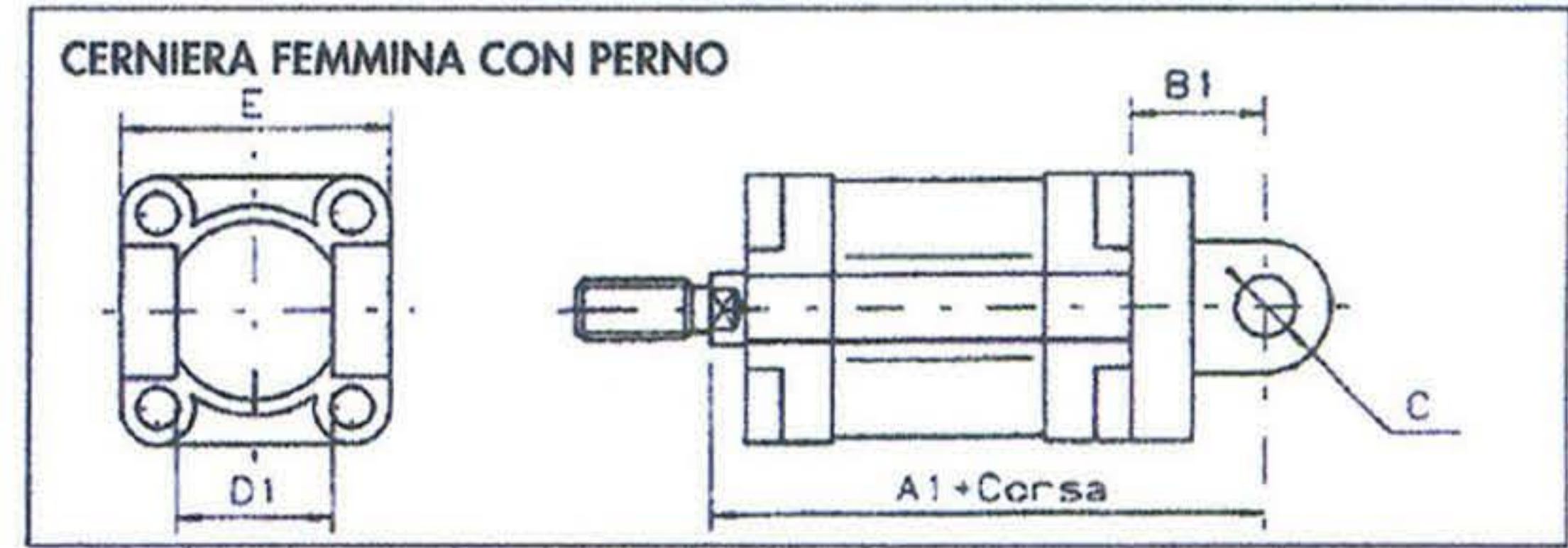
0913I

0913U



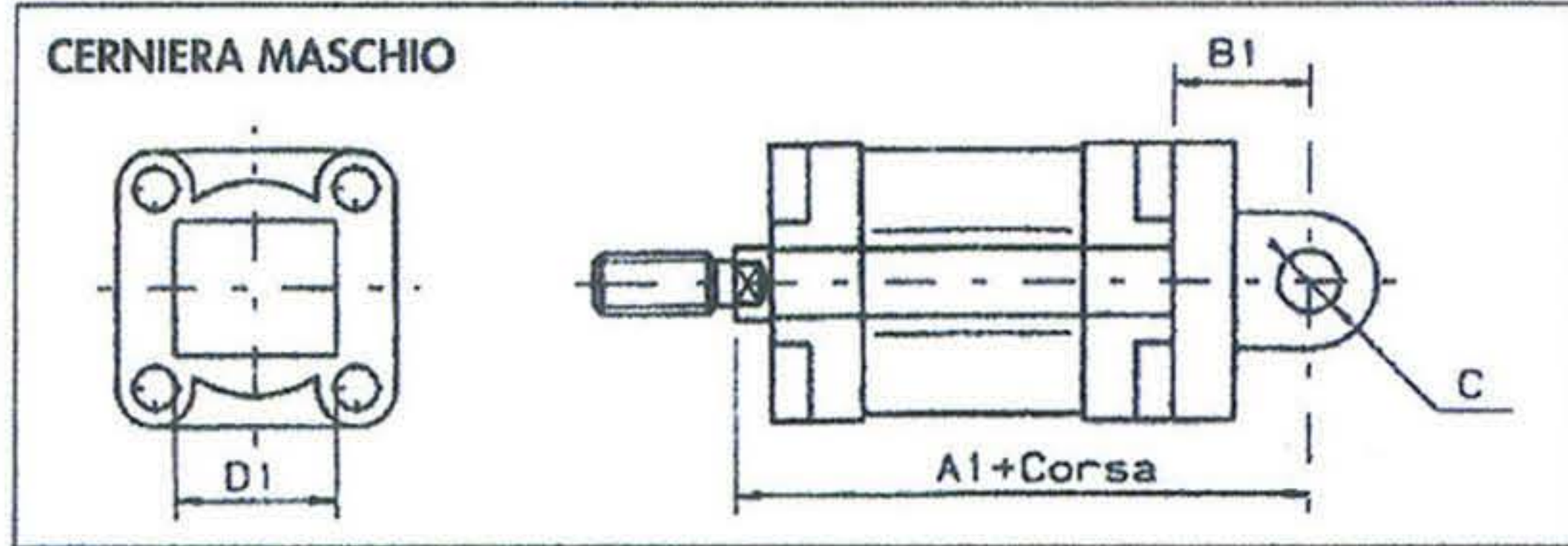
0905I

0905U

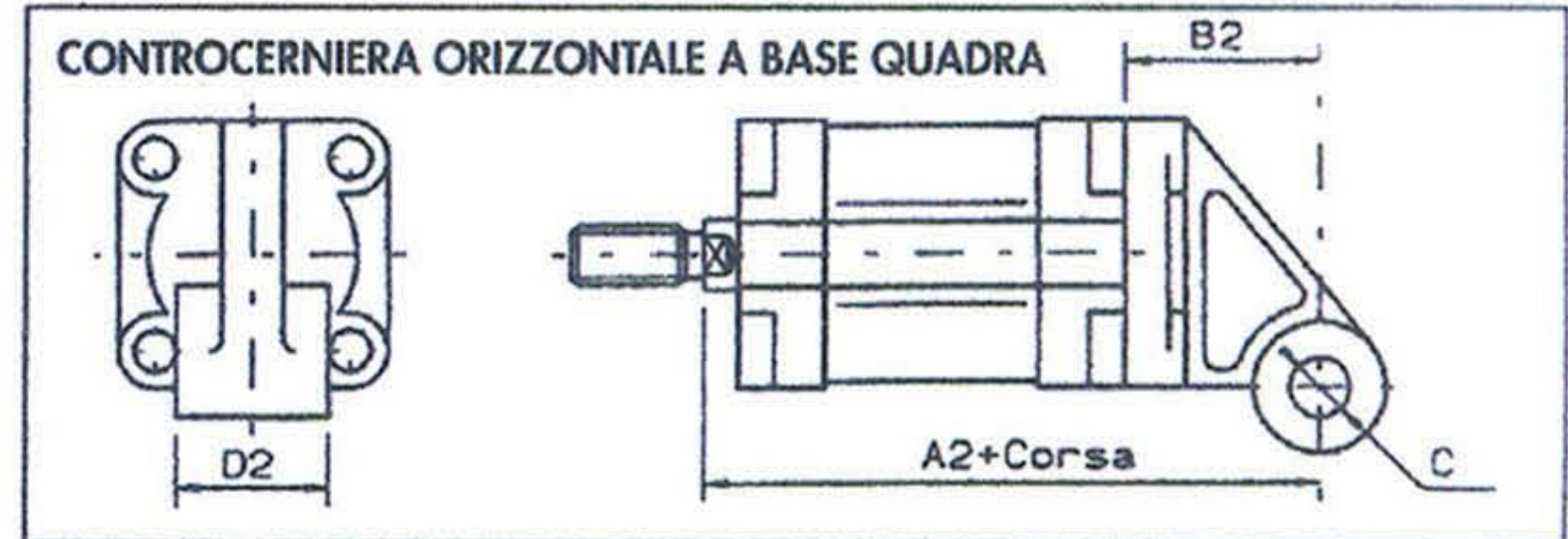


0906I

0906U



0911I



ISO

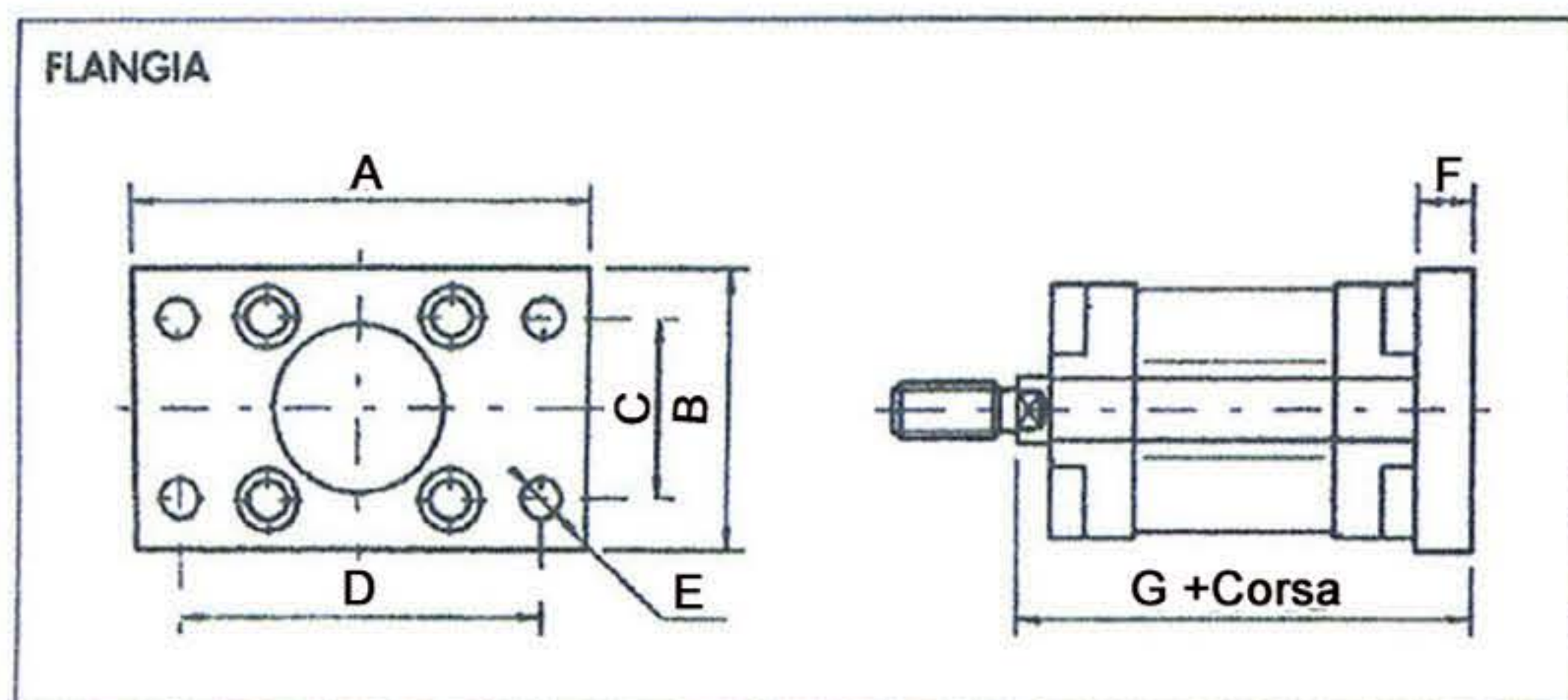
| Ø | A1 | A2 | B1 | B2 | C | D1 | D2 | E |
|-----|-----|-----|----|----|----|----|------|-----|
| 32 | 75 | 85 | 22 | 32 | 10 | 26 | 25,5 | 45 |
| 40 | 78 | 89 | 25 | 36 | 12 | 28 | 27,5 | 52 |
| 50 | 85 | 103 | 27 | 45 | 12 | 32 | 31,5 | 60 |
| 63 | 93 | 111 | 32 | 50 | 16 | 40 | 39,5 | 70 |
| 80 | 102 | 129 | 36 | 63 | 16 | 50 | 49,5 | 90 |
| 100 | 118 | 150 | 41 | 73 | 20 | 60 | 59,5 | 110 |

UNITOP

| Ø | A1 | A2 | B1 | B2 | C | D1 | D2 | E |
|-----|-----|----|----|----|----|----|----|-----|
| 32 | 75 | | 22 | | 10 | 26 | | 45 |
| 40 | 78 | | 25 | | 12 | 28 | | 52 |
| 50 | 85 | | 27 | | 12 | 32 | | 60 |
| 63 | 93 | | 32 | | 16 | 40 | | 70 |
| 80 | 102 | | 36 | | 16 | 50 | | 90 |
| 100 | 118 | | 41 | | 20 | 60 | | 110 |

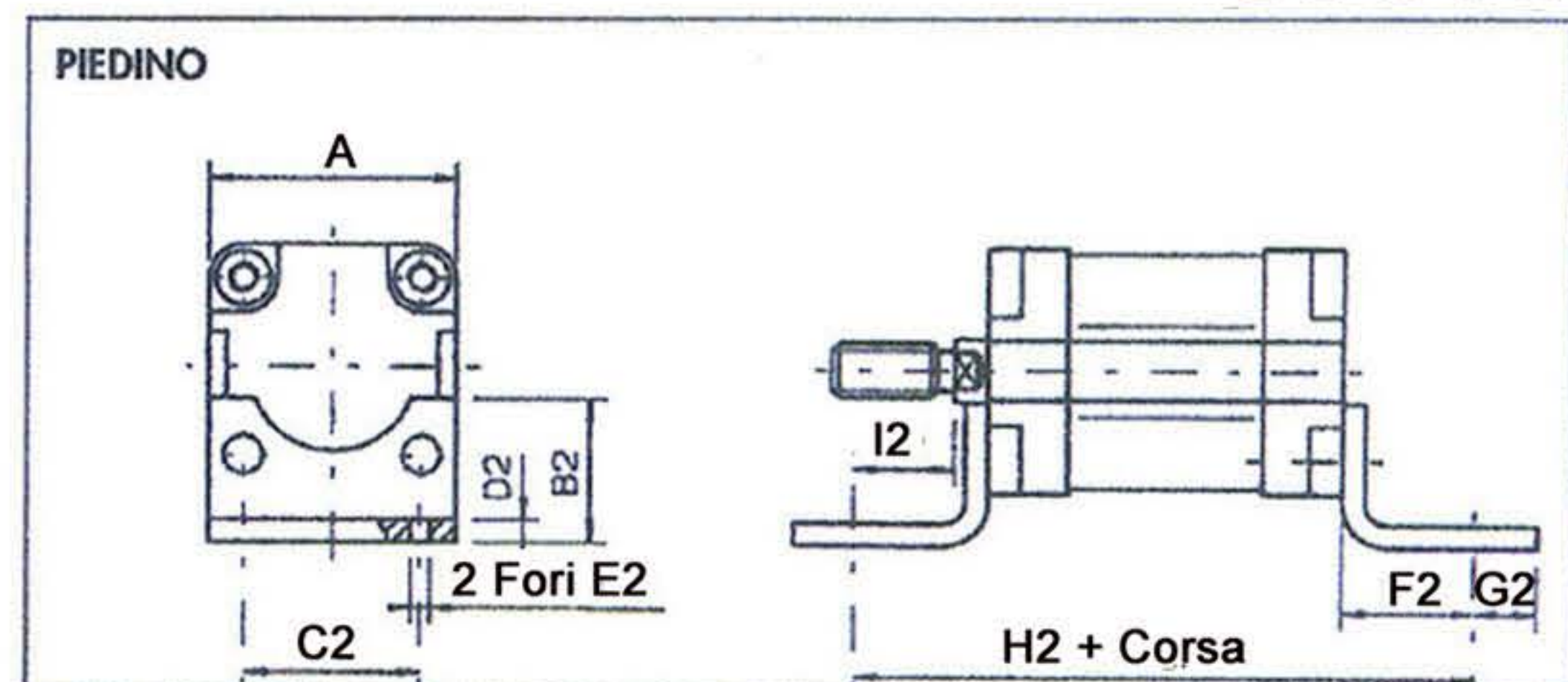
0903I

0903U



0904I

0904U



FLANGIA ISO

| Ø | G | F | E | D | C | B | A |
|-----|----|----|----|-----|----|-----|-----|
| 32 | 63 | 10 | 7 | 64 | 32 | 50 | 80 |
| 40 | 63 | 10 | 9 | 72 | 36 | 55 | 90 |
| 50 | 70 | 12 | 9 | 90 | 45 | 65 | 110 |
| 63 | 73 | 12 | 9 | 100 | 50 | 75 | 120 |
| 80 | 81 | 15 | 12 | 126 | 63 | 95 | 150 |
| 100 | 92 | 15 | 14 | 150 | 75 | 115 | 178 |

PIEDINO ISO

| Ø | A | B2 | C2 | D2 | E2 | F2 | G2 | H2 | I2 |
|-----|-----|----|------|----|----|----|----|-----|----|
| 32 | 45 | 26 | 32,5 | 4 | 7 | 24 | 11 | 94 | 17 |
| 40 | 52 | 27 | 38 | 4 | 9 | 28 | 15 | 102 | 21 |
| 50 | 65 | 35 | 46,5 | 4 | 9 | 32 | 15 | 114 | 24 |
| 63 | 75 | 36 | 56,5 | 6 | 9 | 32 | 15 | 117 | 24 |
| 80 | 95 | 46 | 72 | 6 | 12 | 41 | 20 | 138 | 31 |
| 100 | 115 | 48 | 89 | 6 | 14 | 41 | 25 | 149 | 31 |

FLANGIA UNITOP

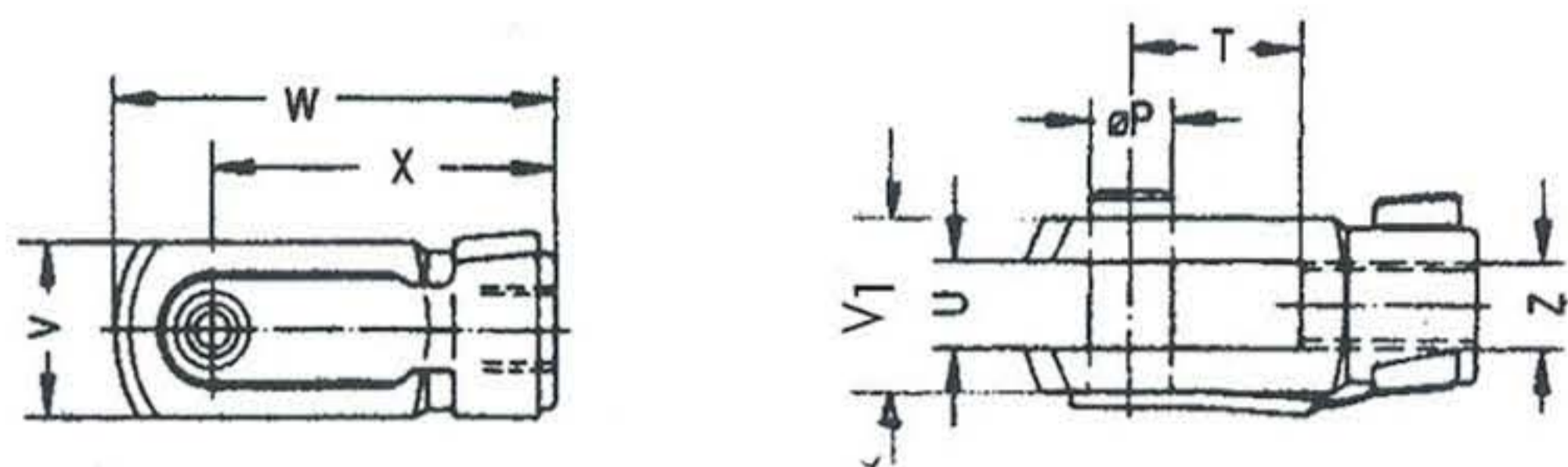
| Ø | G | F | E | D | C | B | A |
|-----|----|----|----|-----|-----|-----|-----|
| 32 | 63 | 10 | 7 | 65 | 32 | 50 | 80 |
| 40 | 63 | 10 | 9 | 82 | 42 | 60 | 102 |
| 50 | 70 | 12 | 9 | 90 | 50 | 68 | 110 |
| 63 | 76 | 15 | 9 | 110 | 62 | 87 | 130 |
| 80 | 81 | 15 | 12 | 135 | 82 | 107 | 160 |
| 100 | 92 | 15 | 14 | 163 | 103 | 128 | 190 |

PIEDINO UNITOP

| Ø | A | B2 | C2 | D2 | E2 | F2 | G2 | H2 | I2 |
|-----|-----|------|-----|----|------|----|----|-----|----|
| 32 | 50 | 24 | 32 | 5 | 6,6 | 18 | 8 | 82 | 11 |
| 40 | 60 | 29,5 | 42 | 5 | 9 | 20 | 8 | 86 | 13 |
| 50 | 68 | 30 | 50 | 6 | 9 | 24 | 8 | 94 | 16 |
| 63 | 84 | 39 | 62 | 6 | 11 | 27 | 12 | 107 | 19 |
| 80 | 102 | 36,5 | 82 | 8 | 11 | 30 | 12 | 116 | 20 |
| 100 | 123 | 38,5 | 103 | 8 | 13,5 | 33 | 12 | 133 | 23 |

09011

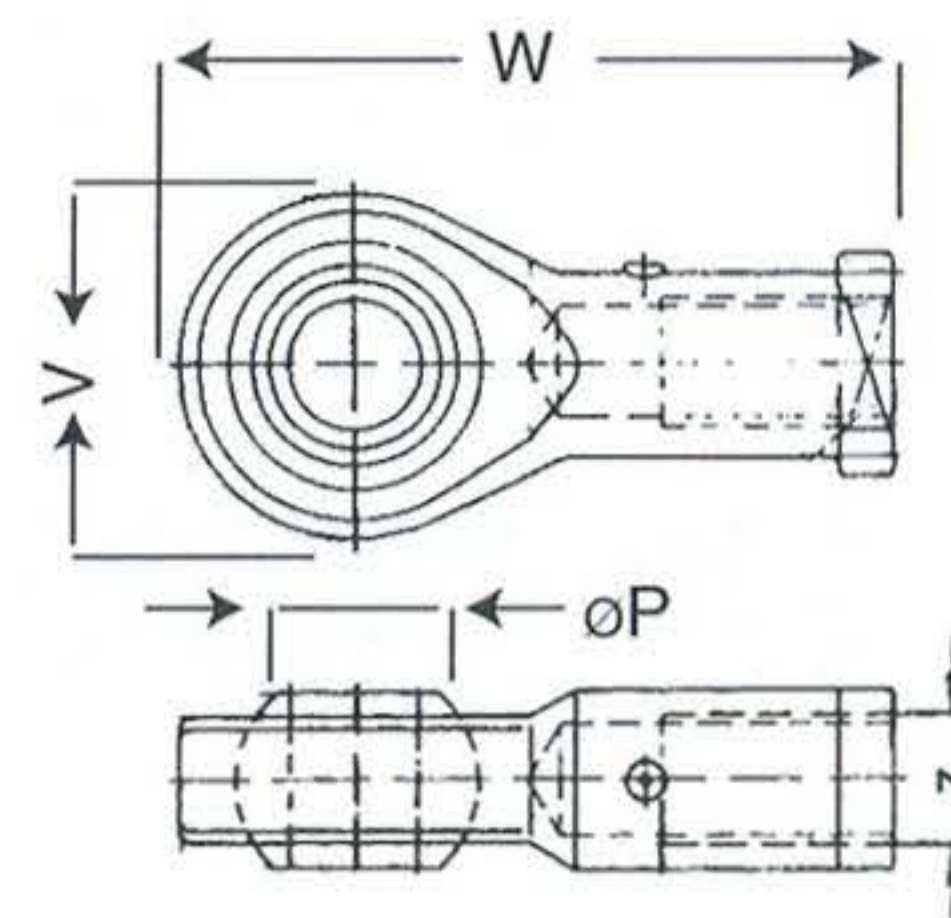
FORCELLA



| Tipo | Alesag. | ØP | T | U | V | V ₁ | W | X | Z |
|----------|---------|----|----|----|----|----------------|-----|----|----------|
| 0901132 | 32/40 | 10 | 20 | 10 | 20 | 20 | 52 | 40 | M10x1,25 |
| 0901140 | 50/63 | 12 | 24 | 12 | 24 | 24 | 62 | 48 | M12x1,25 |
| 0901150 | 80 | 16 | 32 | 16 | 32 | 32 | 83 | 64 | M16x1,5 |
| 09011100 | 100 | 20 | 40 | 20 | 40 | 40 | 105 | 80 | M20x1,5 |

09021

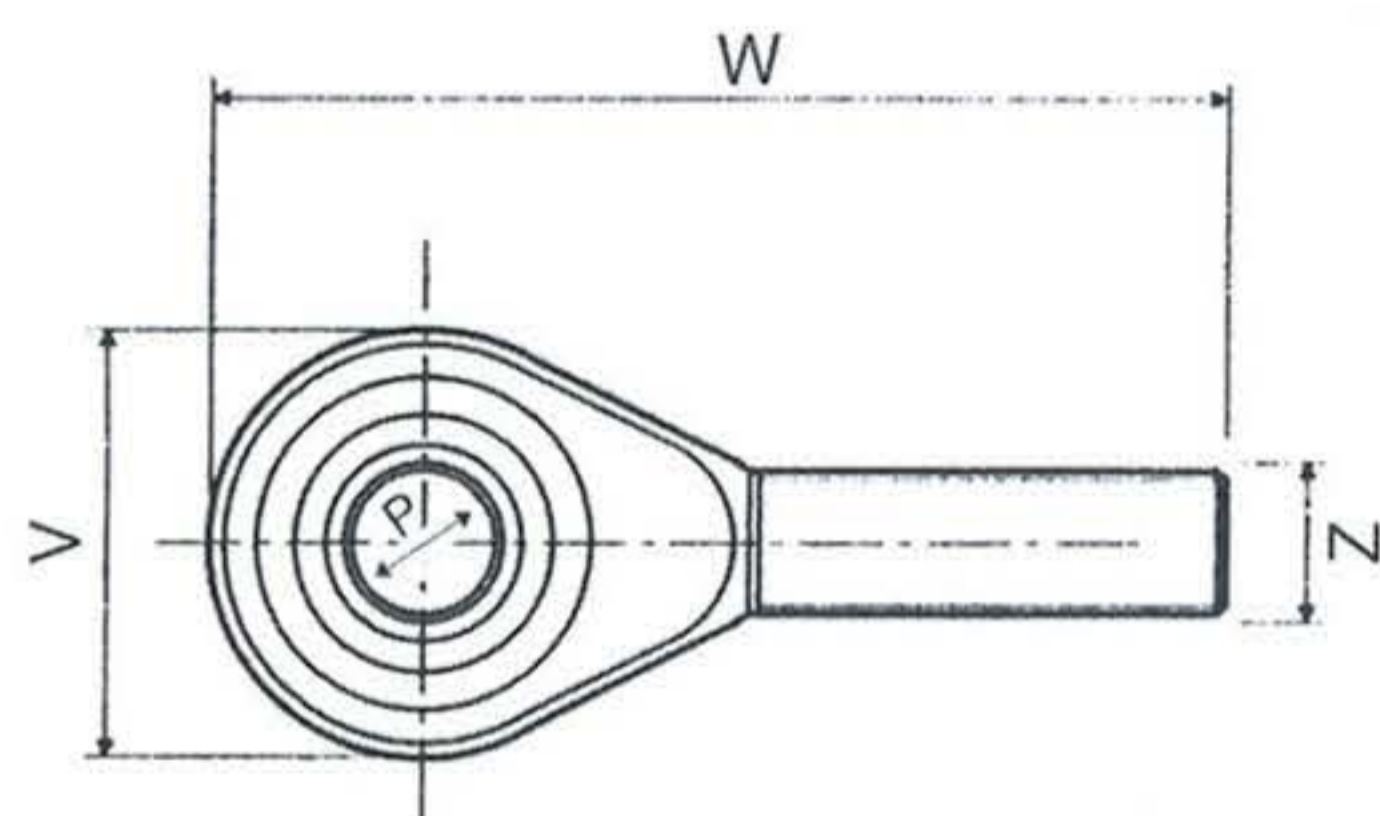
SNODO SFERICO



| Tipo | Alesag. | ØP | V | W | Z |
|----------|---------|----|----|-----|----------|
| 0902132 | 32/40 | 10 | 28 | 57 | M10x1,25 |
| 0902140 | 50/63 | 12 | 32 | 66 | M12x1,25 |
| 0902150 | 80 | 16 | 42 | 85 | M16x1,5 |
| 09021100 | 100 | 20 | 50 | 102 | M20x1,5 |

0902AI

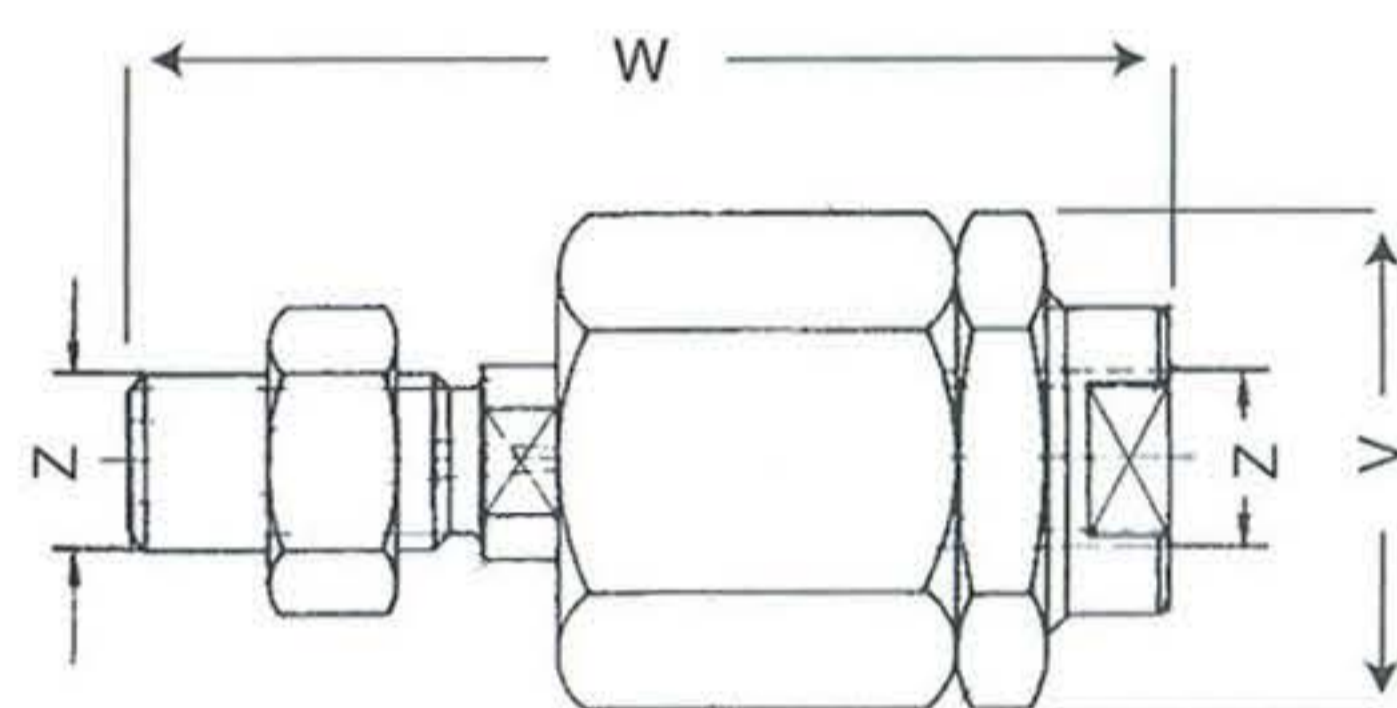
SNODO SFERICO MASCHIO



| Tipo | Alesag. | ØP | V | W | Z |
|----------|---------|----|----|----|----------|
| 0902AI06 | 32/40 | 6 | 20 | 46 | M6 |
| 0902AI08 | 50/63 | 8 | 24 | 54 | M8 |
| 0902AI10 | 80 | 10 | 28 | 62 | M10x1,5 |
| 0902AI12 | 100 | 12 | 32 | 70 | M12x1,75 |

09GB

SNODO AUTOALLINEANTE



| Tipo | Alesag. | V | W | Z |
|--------|---------|----|-----|----------|
| 09GB10 | 32/40 | 32 | 71 | M10x1,25 |
| 09GB12 | 50/63 | 32 | 75 | M12x1,25 |
| 09GB16 | 80 | 45 | 103 | M16x1,5 |
| 09GB20 | 100 | 45 | 113 | M20x1,5 |