

## RQ - CILINDRI COMPATTI STRONG ANTIROTAZIONE ISO 21287



### Pressioni

1,5 bar (0.15 MPa)  
10 bar (1 MPa)



### Norma di Riferimento

ATEX  
2014/34/UE



### Temperature

-20 °C  
+ 80 °C



### Sensori consigliati

DF - DT

## CARATTERISTICHE

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| Fluido                     | aria filtrata, con o senza lubrificazione                                           |
| Testate                    | pressofuse in alluminio                                                             |
| Camicia                    | alluminio anodizzato                                                                |
| Pistone                    | alluminio                                                                           |
| Pattino di guida           | resina acetlica                                                                     |
| Stelo                      | acciaio cromato, acciaio inox su richiesta                                          |
| Guarnizioni pistone        | NBR                                                                                 |
| Bussola guida stelo        | resina acetlica                                                                     |
| Paracolpi                  | NBR                                                                                 |
| Ammortizzi                 | regolabili su entrambi i lati (standard di serie originali UNIVER)                  |
| Magnete                    | plastroferrite (standard di serie)                                                  |
| Altre versioni disponibili | tandem, tandem 2 posizioni, tandem contrapposto, tandem stelo comune (su richiesta) |

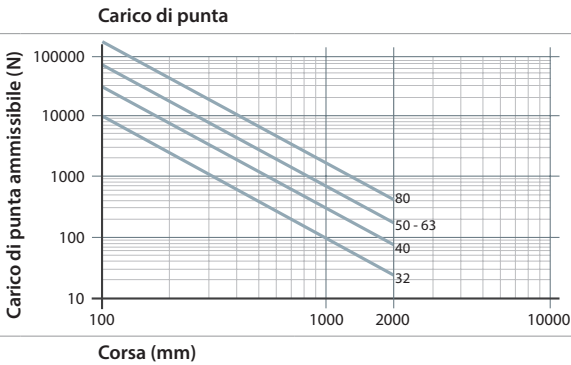


| Serie                                                               | Tipologia                                                                                                                        | Versione                                                                                                                                                                                                 | Alesaggio (mm)                                                               | Corse (mm)                                                                                                                                                                                                                                     | Variante (mm)                                                                                                                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>R Q</b>                                                          | <b>2</b>                                                                                                                         | <b>0 0</b>                                                                                                                                                                                               | <b>0 3 2</b>                                                                 | <b>0 0 2 5</b>                                                                                                                                                                                                                                 |                                                                                                                                                                                    |
| <b>RQ</b> Cilindri compatti STRONG Ø 32 ÷ Ø 63 mm - Tubo ottagonale | <b>2</b> Stelo femmina acciaio cromato con flangia<br><br><b>Su richiesta</b><br><b>1</b> Stelo femmina acciaio inox con flangia | <b>00 = D.E.</b> Versione standard<br><b>01 = D.E.</b> Stelo passante<br><b>20 = D.E.</b> Pistone allungato<br><br><b>Terminologia</b><br><b>D.E.</b> = Doppio effetto<br><b>S.E.</b> = Semplice effetto | <b>032 = Ø32</b><br><b>040 = Ø40</b><br><b>050 = Ø50</b><br><b>063 = Ø63</b> | <b>Doppio effetto</b><br>0005 - 0010 - 0015 - 0020<br>- 0025 - 0030 - 0040 - 0050 -<br>0060 - 0080<br><br><b>Corsa Max standard</b><br>0080<br><br><b>Corsa Max pistone allungato (su richiesta)</b><br>(Ø32 Ø40)<br>0800<br>(Ø50 Ø63)<br>1000 | <b>H</b> Stelo forato solo per versioni con stelo passante senza flangia<br><b>G</b> Predisposto per bloccastelo (solo con stelo cromato)<br><b>L</b> Blocco di stazionamento L1-N |

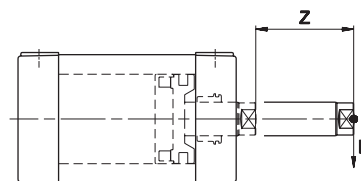
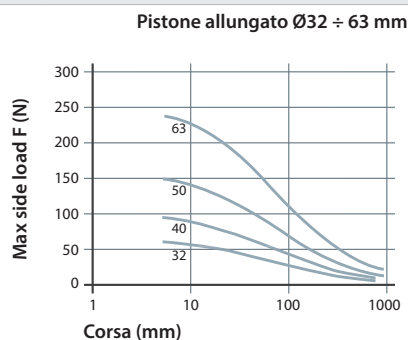
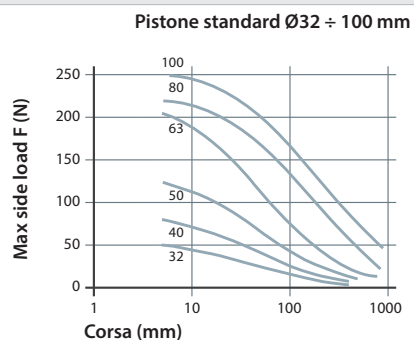
| Tolleranza nominale sulla corsa |         |    |
|---------------------------------|---------|----|
| Ø                               | mm²     | Nm |
| 32                              | + 2-0   | 2  |
| 40                              | + 2-0   | 3  |
| 50                              | + 2-0   | 5  |
| 63                              | + 2,5-0 | 8  |

| Forze teoriche (N) - sviluppate alla pressione d'esercizio (bar) |                  |          |                        |      |      |      |      |                        |      |      |      |      |
|------------------------------------------------------------------|------------------|----------|------------------------|------|------|------|------|------------------------|------|------|------|------|
| Ø                                                                | Superficie utile |          | Pressione di esercizio |      |      |      |      | Pressione di esercizio |      |      |      |      |
|                                                                  | mm²              |          | bar                    |      |      |      |      | bar                    |      |      |      |      |
|                                                                  | Spinta           | Trazione | Spinta                 |      |      |      |      | Trazione               |      |      |      |      |
|                                                                  |                  |          | 2                      | 4    | 6    | 8    | 10   | 2                      | 4    | 6    | 8    | 10   |
| 32                                                               | 804              | 691      | 161                    | 322  | 482  | 643  | 804  | 138                    | 276  | 414  | 553  | 691  |
| 40                                                               | 1256             | 1056     | 251                    | 502  | 754  | 1005 | 1256 | 211                    | 422  | 633  | 844  | 1055 |
| 50                                                               | 1962             | 1649     | 393                    | 785  | 1178 | 1570 | 1963 | 330                    | 660  | 990  | 1320 | 1650 |
| 63                                                               | 3116             | 2802     | 623                    | 1246 | 1869 | 2493 | 3116 | 560                    | 1120 | 1680 | 2240 | 2800 |

Andamento delle forze teoriche di spinta in funzione della pressione e corse ammissibili in funzione del massimo carico di punta.



| Forze della molla per cilindri semplice effetto |                |                |                 |                                         |
|-------------------------------------------------|----------------|----------------|-----------------|-----------------------------------------|
| Ø                                               | Forza Max<br>N | Forza Min<br>N | Corsa Max<br>mm | Decremento per ogni mm di corsa<br>N/mm |
| 32                                              | 40             | 24             | 25              | 0,64                                    |
| 40                                              | 50             | 35             | 25              | 0,6                                     |
| 50                                              | 90             | 49             | 25              | 1,64                                    |
| 63                                              | 90             | 49             | 25              | 1,64                                    |

**Diagrammi carico trasversale sullo stelo**


Z = Corsa  
F = Forza

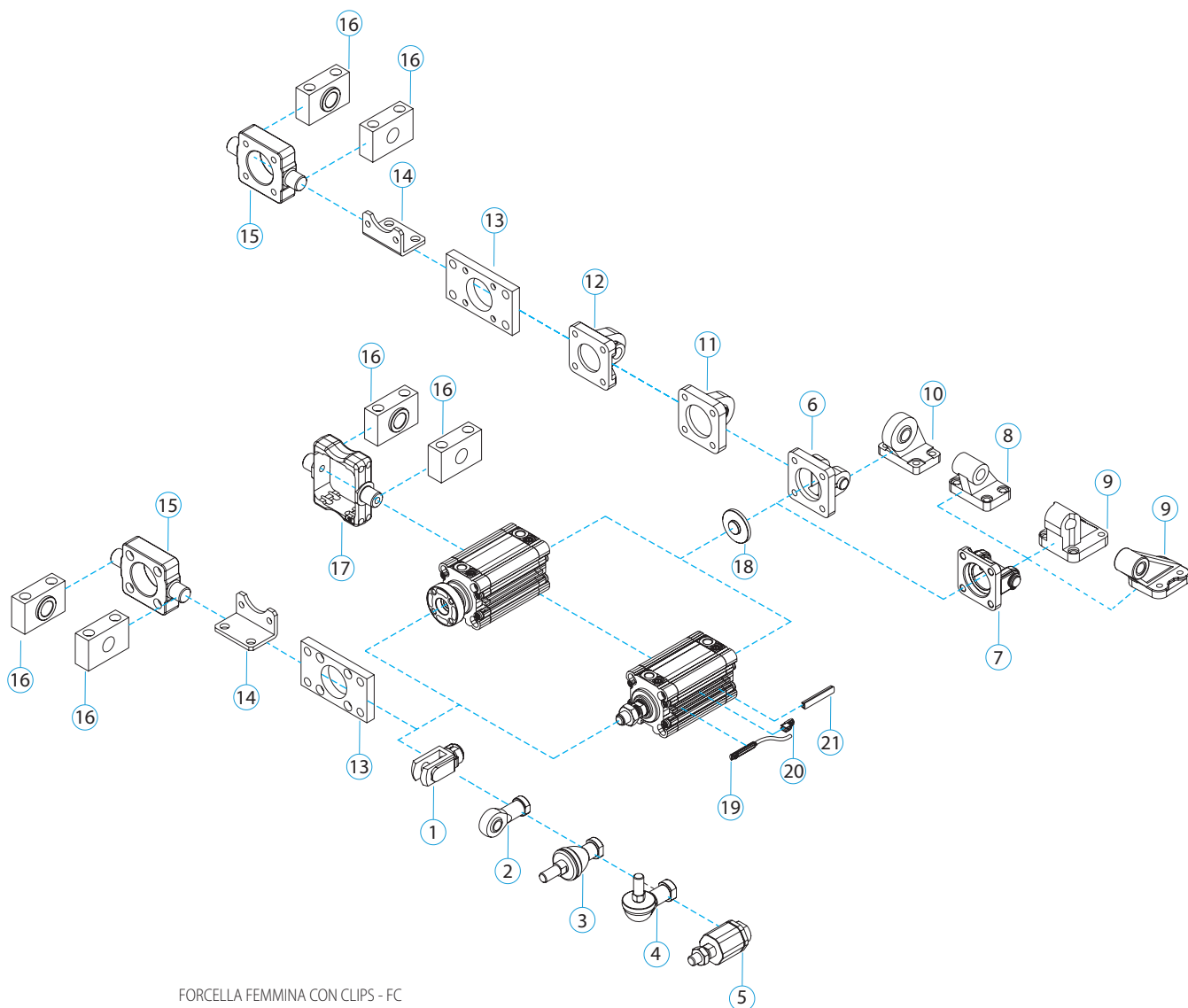
**Massa cilindro standard con stelo non rotante RQ200 e pistone allungato RQ220**

| Ø  | Cilindro corsa 0 Standard | Cilindro corsa 0 Pistone allungato | Incremento ogni mm di corsa | Massa in movimento corsa 0 Standard | Massa in movimento corsa 0 Pistone allungato | Incremento ogni mm di corsa |
|----|---------------------------|------------------------------------|-----------------------------|-------------------------------------|----------------------------------------------|-----------------------------|
|    | g                         | g                                  | g                           | g                                   | g                                            | g                           |
|    | RQ200                     | RQ220                              | RQ200/220                   | RQ200                               | RQ220                                        | RQ200/220                   |
| 32 | 240                       | 326,5                              | 2,65                        | 94                                  | 146,5                                        | 0,9                         |
| 40 | 386                       | 522                                | 4                           | 148,5                               | 237                                          | 1,6                         |
| 50 | 587                       | 839                                | 5,6                         | 247                                 | 397                                          | 2,5                         |
| 63 | 894                       | 1249,5                             | 6,55                        | 354                                 | 583                                          | 2,5                         |

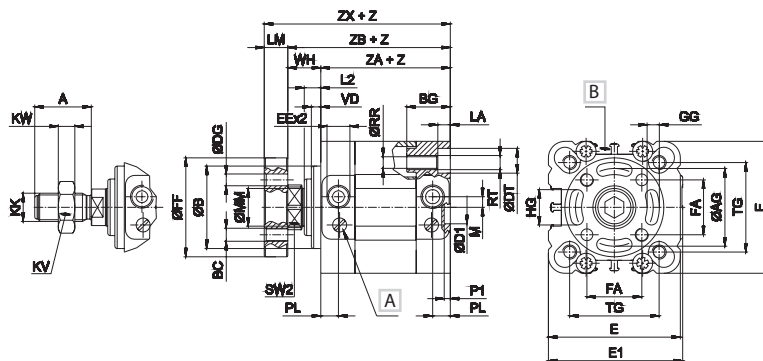
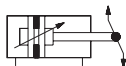
**Massa cilindro stelo passante non rotante RQ201**

| Ø  | Cilindro corsa 0 | Incremento ogni mm di corsa | Massa in movimento corsa 0 | Incremento ogni mm di corsa |
|----|------------------|-----------------------------|----------------------------|-----------------------------|
|    | g                | g                           | g                          | g                           |
|    | RQ201            | RQ201                       | RQ201                      | RQ201                       |
| 32 | 270              | 3,55                        | 3,55                       | 1,8                         |
| 40 | 431              | 5,6                         | 5,6                        | 3,2                         |
| 50 | 663              | 8,1                         | 8,1                        | 5                           |
| 63 | 969              | 9,05                        | 9,05                       | 5                           |

## FISSAGGI E ACCESSORI - SERIE RQ



|    |                                                              |
|----|--------------------------------------------------------------|
| 1  | FORCELLA FEMMINA CON CLIPS - FC                              |
| 2  | FORCELLA SNODATA AUTOLUBRIFICATA - TF                        |
| 3  | FORCELLA CON PERNO SNODATO IN ASSE - TS                      |
| 4  | FORCELLA CON PERNO SNODATO AD ANGOLO - KF23                  |
| 5  | SNODO AUTOALLINEANTE - KF24                                  |
| 6  | CERNIERA FEMMINA CON PERNO - VCF                             |
| 7  | CERNIERA FEMMINA STRETTA CON PERNO - VCH                     |
| 8  | CONTRO-CERNIERA A 90° (CETOP) - VAS                          |
| 9  | CONTRO-CERNIERA A 90° / CONTRO-CERNIERA A 90° (CROMO) - KF19 |
| 10 | CONTRO-CERNIERA A SQUADRA SNODATA - VADZ                     |
| 11 | CERNIERA POSTERIORE MASCHIO SNODATA - QCM                    |
| 12 | CERNIERA POSTERIORE MASCHIO - VCM                            |
| 13 | FLANGIA ANTERIORE-POSTERIORE - VFL / QFC                     |
| 14 | PIEDINO AD ANGOLO - QCP / VCP                                |
| 15 | CERNIERA ANTERIORE-POSTERIORE OSCILLANTE - VCNL              |
| 16 | SUPPORTO PER CERNIERA - VSI                                  |
| 17 | CERNIERA INTERMEDIA ISO - KDF14 / RPF14                      |
| 18 | ADATTATORE PER CENTRAGGIO - RSF28                            |
| 19 | SENSORE DF - DT                                              |
| 20 | BLOCCACAVO GUIDA FILO SENSORE DF - DT                        |
| 21 | BANDELLA COPRIFILO DHF                                       |

**Doppio effetto standard RQ Ø 32 ÷ 63**


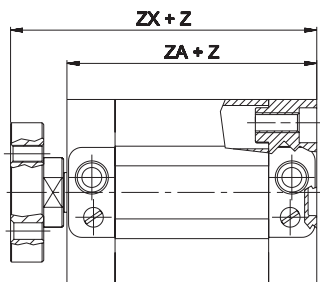
| Ø  | A   | AG | B  | BC | BG | DG | DT | D1 | E  | EE   | E1 | FA   | FF | GG  | HG | KK       | KV | KW |
|----|-----|----|----|----|----|----|----|----|----|------|----|------|----|-----|----|----------|----|----|
|    | H11 |    |    |    |    |    |    |    |    |      |    |      |    |     |    |          |    |    |
| 32 | 22  | 28 | 30 | M5 | 18 | 5  | 9  | 14 | 46 | G1/8 | 47 | 19,8 | 37 | 5,2 | 11 | M10x1,25 | 17 | 6  |
| 40 | 24  | 33 | 35 | M5 | 18 | 5  | 9  | 14 | 56 | G1/8 | 57 | 23,3 | 42 | 5,2 | 15 | M12x1,25 | 19 | 6  |
| 50 | 32  | 42 | 40 | M6 | 24 | 6  | 11 | 18 | 66 | G1/8 | 67 | 29,7 | 52 | 6,2 | 19 | M16x1,5  | 24 | 7  |
| 63 | 32  | 50 | 45 | M6 | 24 | 6  | 11 | 18 | 79 | G1/8 | 80 | 35,4 | 64 | 6,2 | 25 | M16x1,5  | 24 | 7  |

| Ø  | LA  | LM | LW | L2 | M   | MM | PL  | P1  | RR  | RT | SW | SW2 | TG   | VD | WH | ZA | ZB | ZX |
|----|-----|----|----|----|-----|----|-----|-----|-----|----|----|-----|------|----|----|----|----|----|
| 32 | 5,3 | 10 | 5  | 7  | 4,5 | 12 | 7,5 | 2,5 | 5,2 | M6 | 10 | 17  | 32,5 | 4  | 14 | 44 | 58 | 68 |
| 40 | 5,3 | 10 | 5  | 7  | 4,5 | 16 | 7,5 | 2,5 | 5,2 | M6 | 13 | 19  | 38   | 4  | 14 | 45 | 59 | 69 |
| 50 | 6,5 | 12 | 6  | 10 | 6,5 | 20 | 7,5 | 2,5 | 6,5 | M8 | 17 | 24  | 46,5 | 5  | 18 | 45 | 63 | 75 |
| 63 | 6,5 | 12 | 6  | 10 | 6,5 | 20 | 7,5 | 2,5 | 6,5 | M8 | 17 | 24  | 56,5 | 5  | 18 | 50 | 68 | 80 |

Z = Corsa

A. Vite di regolazione ammortizzo pneumatico

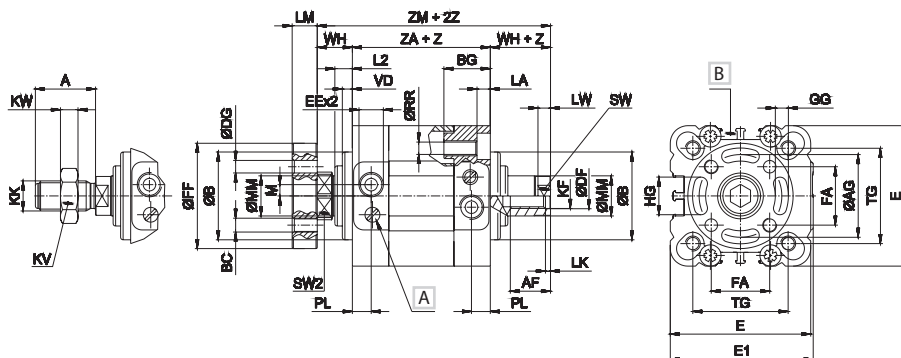
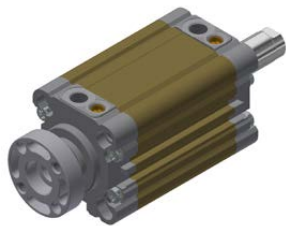
B. Scanalatura per sensore

**Pistone allungato RQ Ø 32 ÷ 63**


| Ø  | ZA | ZX  |
|----|----|-----|
| 32 | 64 | 88  |
| 40 | 65 | 89  |
| 50 | 70 | 100 |
| 63 | 75 | 105 |

Z = Corsa

Per le tipologie di cilindri con pistone allungato, le quote ZA - ZB - ZX subiranno un incremento di 20 mm (Ø32 - Ø40 mm), di 25 mm (Ø50 - Ø63 mm)

**Doppio effetto stelo passante RQ Ø 32 ÷ 63**


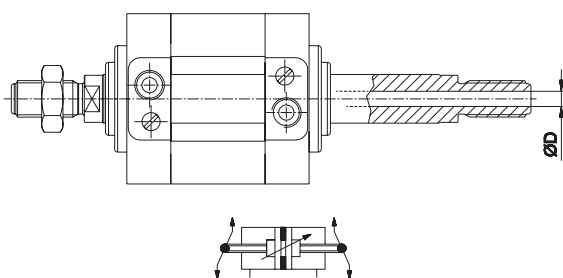
| Ø  | A  | AF | AG | B  | BC | BG | DF   | DG | E  | EE   | E1 | FA   | FF | GG  | HG | KF  | KK       |
|----|----|----|----|----|----|----|------|----|----|------|----|------|----|-----|----|-----|----------|
| 32 | 22 | 12 | 28 | 30 | M5 | 18 | 8,2  | 5  | 46 | G1/8 | 47 | 19,8 | 37 | 5,2 | 11 | M8  | M10x1,25 |
| 40 | 24 | 16 | 33 | 35 | M5 | 18 | 10,2 | 5  | 56 | G1/8 | 57 | 23,3 | 42 | 5,2 | 15 | M10 | M12x1,25 |
| 50 | 32 | 20 | 42 | 40 | M6 | 24 | 12,2 | 6  | 66 | G1/8 | 67 | 29,7 | 52 | 6,2 | 19 | M12 | M16x1,5  |
| 63 | 32 | 20 | 50 | 45 | M6 | 24 | 12,2 | 6  | 79 | G1/8 | 80 | 35,4 | 64 | 6,2 | 25 | M12 | M16x1,5  |

| Ø  | KV | KW | LA  | LK | LM | LW | L2 | M   | MM | PL  | RR  | SW | SW2 | TG   | VD | WH | ZA | ZM |
|----|----|----|-----|----|----|----|----|-----|----|-----|-----|----|-----|------|----|----|----|----|
| 32 | 17 | 6  | 5,3 | 2  | 10 | 5  | 7  | 4,5 | 12 | 7,5 | 5,2 | 10 | 17  | 32,5 | 4  | 14 | 44 | 72 |
| 40 | 19 | 6  | 5,3 | 2  | 10 | 5  | 7  | 4,5 | 16 | 7,5 | 5,2 | 13 | 19  | 38   | 4  | 14 | 45 | 73 |
| 50 | 24 | 7  | 6,5 | 2  | 12 | 6  | 10 | 6,5 | 20 | 7,5 | 6,5 | 17 | 24  | 46,5 | 5  | 18 | 45 | 81 |
| 63 | 24 | 7  | 6,5 | 2  | 12 | 6  | 10 | 6,5 | 20 | 7,5 | 6,5 | 17 | 24  | 56,5 | 5  | 18 | 50 | 86 |

Z = Corsa

A. Vite di regolazione ammortizzo pneumatico

B. Scanalatura per sensore

**Stelo passante forato maschio RQ Ø 32 ÷ 63**


| Ø  | D   |
|----|-----|
| 32 | 3,5 |
| 40 | 3,5 |
| 50 | 4,5 |
| 63 | 4,5 |

Z = Corsa

Ø16 ÷ 25 corsa Max 50 mm Ø32 ÷ 63 corsa Max 75 mm

Per le quote mancanti fare riferimento alla versione stelo passante. Su richiesta stelo passante forato femmina

**CILINDRI ISO 21287 CON BLOCCO DI STAZIONAMENTO L1-N**

**Norma di Riferimento**

 ATEX  
2014/34/UE

**Pressioni**

 4 bar (0.4 MPa)  
10 bar (1 MPa)

**Temperature**

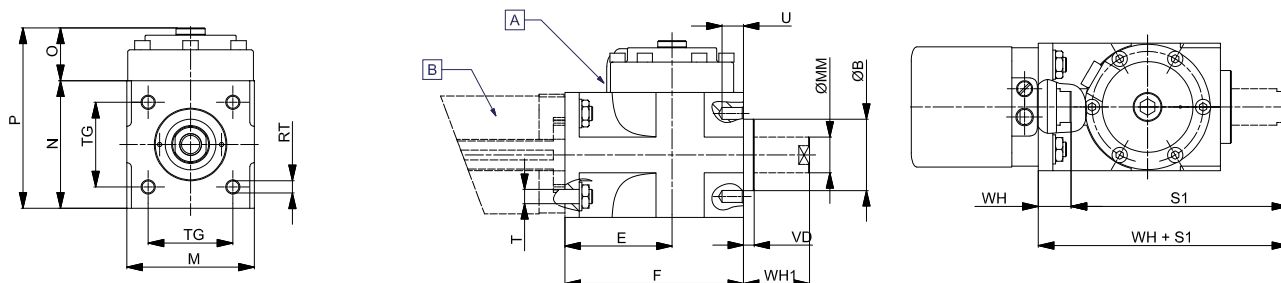
 -20 °C  
+ 80 °C

**CARATTERISTICHE**

|             |                                           |
|-------------|-------------------------------------------|
| Fluido      | aria filtrata, con o senza lubrificazione |
| Corpo       | alluminio pressofuso                      |
| Coperchio   | alluminio pressofuso                      |
| Pistone     | alluminio                                 |
| Guarnizioni | NBR                                       |
| Molle       | acciaio speciale                          |



| Serie                                             | Alesaggio cilindro (mm)  | Diametro stelo (mm)      | Variante                             |
|---------------------------------------------------|--------------------------|--------------------------|--------------------------------------|
| <b>L 1 N</b>                                      | <b>0 6 3</b>             | <b>2 0</b>               |                                      |
| L1-N Blocco di stazionamento per cilindri e steli | 032 = Ø032<br>040 = Ø040 | 050 = Ø050<br>063 = Ø063 | Ø12 Ø20<br>Ø16 Ø25                   |
|                                                   |                          |                          | K Raschiatore metallico su richiesta |

**L1 N - BLOCCASTELO Ø 32 - Ø 100**


A - Sblocco pneumatico G1/8

B - Cilindro STRONG

| Ø  | Ø Stelo (mm) | B  | RT | E    | F   | M  | MM | N  | O    | P    | TG   | S1  | S2 | U  | T   | VD | WH | WH1 |
|----|--------------|----|----|------|-----|----|----|----|------|------|------|-----|----|----|-----|----|----|-----|
| 32 | 12           | 30 | M6 | 54,5 | 84  | 50 | 12 | 50 | 29,5 | 79,5 | 32,5 | 82  | -  | 10 | 6,5 | 6  | 14 | 26  |
| 40 | 16           | 35 | M6 | 58   | 90  | 58 | 16 | 58 | 29,5 | 87,5 | 38   | 90  | -  | 9  | 6,5 | 6  | 14 | 30  |
| 50 | 20           | 40 | M8 | 60   | 100 | 70 | 20 | 70 | 29   | 99   | 46,5 | 100 | -  | 10 | 8,5 | 6  | 18 | 37  |
| 63 | 20           | 45 | M8 | 65   | 110 | 85 | 20 | 85 | 37   | 122  | 56,5 | 110 | -  | 13 | 8,5 | 6  | 18 | 37  |

**BLOCCO DI STAZIONAMENTO CON RILEVATORE DI POSIZIONE INDUTTIVO M8**

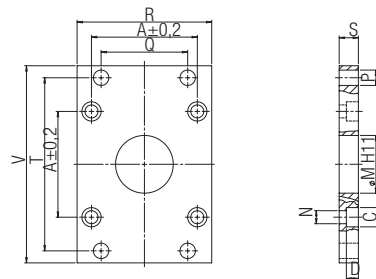

Stelo bloccato



Stelo libero

## FISSAGGI E ACCESSORI SERIE RQ

## VFL - FLANGIA



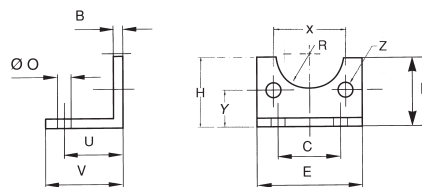
| Code ●  | Code ■   | Ø  | Ø M | P | S  | D   | C    | N   | A    | Q  | R  | T   | V   |
|---------|----------|----|-----|---|----|-----|------|-----|------|----|----|-----|-----|
| VFL 032 | VFLI 032 | 32 | 30  | 7 | 10 | 5   | 10.5 | 6.5 | 32.5 | 32 | 45 | 64  | 80  |
| VFL 040 | VFLI 040 | 40 | 35  | 9 | 10 | 5   | 11   | 6.5 | 38   | 36 | 52 | 72  | 90  |
| VFL 050 | VFLI 050 | 50 | 40  | 9 | 12 | 5.5 | 15   | 8.5 | 46.5 | 45 | 65 | 90  | 110 |
| VFL 063 | VFLI 063 | 63 | 45  | 9 | 12 | 5.5 | 15   | 8.5 | 56.5 | 50 | 75 | 100 | 120 |

● Materiale: acciaio

■ Materiale: Inox

Vite: din6912

## VCP - PIEDINO BASSO

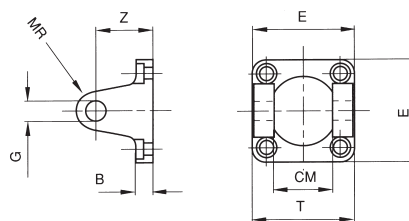


| Code ●  | Code ■   | Ø  | B | C  | E  | F  | O | U  | V  | R    | Z | X    | Y     | H  |
|---------|----------|----|---|----|----|----|---|----|----|------|---|------|-------|----|
| VCP 032 | VCPI 032 | 32 | 4 | 32 | 45 | 30 | 7 | 24 | 35 | 15   | 7 | 32.5 | 15.75 | 32 |
| VCP 040 | VCPI 040 | 40 | 4 | 36 | 52 | 30 | 9 | 28 | 36 | 17.5 | 7 | 38   | 17    | 36 |
| VCP 050 | VCPI 050 | 50 | 5 | 45 | 65 | 36 | 9 | 32 | 47 | 20   | 9 | 46.5 | 21.75 | 45 |
| VCP 063 | VCPI 063 | 63 | 5 | 50 | 75 | 35 | 9 | 32 | 45 | 22.5 | 9 | 56.5 | 21.75 | 50 |

● MATERIAL: Acciaio

◆ MATERIAL: Inox

## VCF - CERNIERA FEMMINA

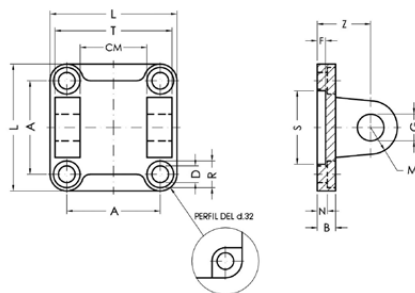


| Code ●    | Code ■   | Ø  | B  | E  | G  | T  | Z  | CM | MR |
|-----------|----------|----|----|----|----|----|----|----|----|
| * VCF 032 | VCFI 032 | 32 | 9  | 45 | 10 | 45 | 22 | 26 | 10 |
| * VCF 040 | VCFI 040 | 40 | 9  | 52 | 12 | 52 | 25 | 28 | 12 |
| * VCF 050 | VCFI 050 | 50 | 11 | 65 | 12 | 60 | 27 | 32 | 12 |
| * VCF 063 | VCFI 063 | 63 | 11 | 75 | 16 | 70 | 32 | 40 | 16 |

● Materiale: Alluminio

■ Materiale: Inox

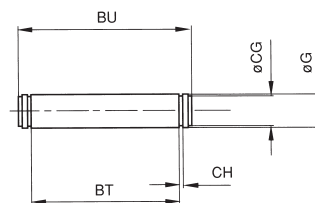
\* Con boccole autolubrificanti

**FISSAGGI E ACCESSORI SERIE RQ**
**VCH - CERNIERA FEMMINA**


| Code    | Code ♦      | Ø  | A    | L  | D   | R  | N   | B  | S  | F | Z  | G  | M  | CM | T  |
|---------|-------------|----|------|----|-----|----|-----|----|----|---|----|----|----|----|----|
| VCH 032 | VCHZ 032 NE | 32 | 32.5 | 45 | 6.6 | 11 | 5.5 | 9  | 30 | 5 | 22 | 10 | 10 | 26 | 45 |
| VCH 040 | VCHZ 040 NE | 40 | 38   | 52 | 6.6 | 11 | 5.5 | 9  | 35 | 5 | 25 | 12 | 12 | 28 | 52 |
| VCH 050 | VCHZ 050 NE | 50 | 46.5 | 65 | 9   | 15 | 6.5 | 11 | 40 | 5 | 27 | 12 | 12 | 32 | 60 |
| VCH 063 | VCHZ 063 NE | 63 | 56.5 | 75 | 9   | 15 | 6.5 | 11 | 45 | 5 | 32 | 16 | 16 | 40 | 70 |

● Materiale: Alluminio

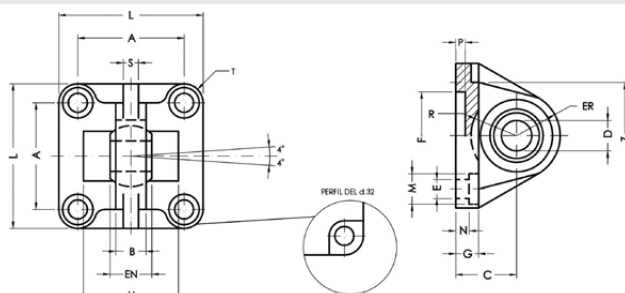
♦ Materiale: Acciaio

**VPE - PERNO PER CERNIERA CON SEEGER**


| Code ●  | Code ■   | Ø  | G  | BT | BU | CG   | CH  |
|---------|----------|----|----|----|----|------|-----|
| VPE 032 | VPEI 032 | 32 | 10 | 46 | 53 | 9.6  | 1.1 |
| VPE 040 | VPEI 040 | 40 | 12 | 53 | 60 | 11.5 | 1.1 |
| VPE 050 | VPEI 050 | 50 | 12 | 61 | 68 | 11.5 | 1.1 |
| VPE 063 | VPEI 063 | 63 | 16 | 71 | 78 | 15.2 | 1.1 |

● Materiale: Acciaio

■ Materiale: Inox

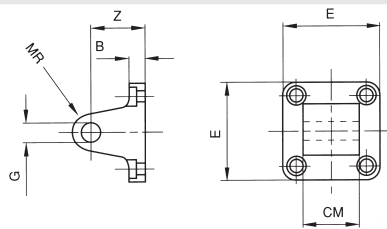
**VCS - CERNIERA MASCHIO STRETTA CON TESTINA SNODATA DIN648K**


| Code ●  | Code ■   | Code ♦      | Ø  | A    | B    | C  | D  | EN | ER | F  | G  | E   | L  | M  | N   | P | H  | R  | S | Z    | T    |
|---------|----------|-------------|----|------|------|----|----|----|----|----|----|-----|----|----|-----|---|----|----|---|------|------|
| VCS 032 | VCSI 032 | VCSZ 032 NE | 32 | 32.5 | 10.5 | 22 | 10 | 14 | 16 | 30 | 9  | 6.6 | 45 | 11 | 5.5 | 5 | -  | -  | 4 | 32.5 | 6.25 |
| VCS 040 | VCSI 040 | VCSZ 040 NE | 40 | 38   | 12   | 25 | 12 | 16 | 19 | 35 | 9  | 6.6 | 52 | 11 | 5.5 | 5 | -  | -  | 6 | 39   | 7    |
| VCS 050 | VCSI 050 | VCSZ 050 NE | 50 | 46.5 | 15   | 27 | 16 | 21 | 21 | 40 | 11 | 9   | 65 | 15 | 6.5 | 5 | 51 | 18 | 8 | 47   | 9.25 |
| VCS 063 | VCSI 063 | VCSZ 063 NE | 63 | 56.5 | 15   | 32 | 16 | 21 | 24 | 45 | 11 | 9   | 75 | 15 | 6.5 | 5 | -  | -  | 8 | 52   | 9.25 |

● Materiale: Alluminio

■ Materiale: Inox

♦ Materiale: Acciaio

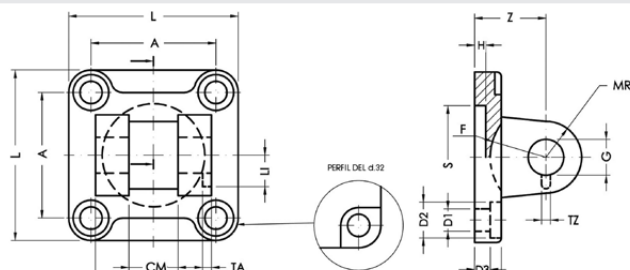
**FISSAGGI E ACCESSORI SERIE RQ**
**VCM - CERNIERA MASCHIO**


| Code ●  | Code ■   | Code ◆      | Ø  | B  | E  | G  | Z  | CM | MR |
|---------|----------|-------------|----|----|----|----|----|----|----|
| VCM 032 | VCMI 032 | VCMZ 032 NE | 32 | 9  | 45 | 10 | 22 | 26 | 10 |
| VCM 040 | VCMI 040 | VCMZ 040 NE | 40 | 9  | 52 | 12 | 25 | 28 | 12 |
| VCM 050 | VCMI 050 | VCMZ 050 NE | 50 | 11 | 65 | 12 | 27 | 32 | 12 |
| VCM 063 | VCMI 063 | VCMZ 063 NE | 63 | 11 | 75 | 16 | 32 | 40 | 16 |

● Materiale: Alluminio con boccole autolubrificanti

■ Materiale: Inox

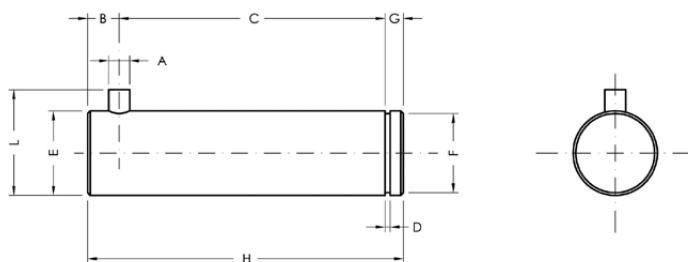
◆ Materiale: Acciaio

**VCD - CERNIERA FEMMINA STRETTA PER ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA DIN648K**


| Code ●  | Code ◆      | Ø  | L  | T  | CM | A    | Z  | H | B  | D3  | S  | G  | MR | D1  | D2 | TA | TZ  | LI   | F  |
|---------|-------------|----|----|----|----|------|----|---|----|-----|----|----|----|-----|----|----|-----|------|----|
| VCD 032 | VCDZ 032 NE | 32 | 45 | 34 | 14 | 32.5 | 22 | 5 | 9  | 5.5 | 30 | 10 | 10 | 6.6 | 11 | 3  | 3.3 | 11.5 | 17 |
| VCD 040 | VCDZ 040 NE | 40 | 52 | 40 | 16 | 38   | 25 | 5 | 9  | 5.5 | 35 | 12 | 12 | 6.6 | 11 | 4  | 4.3 | 12   | 20 |
| VCD 050 | VCDZ 050 NE | 50 | 65 | 45 | 21 | 46.5 | 27 | 5 | 11 | 6.5 | 40 | 16 | 14 | 9   | 15 | 4  | 4.3 | 14   | 22 |
| VCD 063 | VCDZ 063 NE | 63 | 75 | 51 | 21 | 56.5 | 32 | 5 | 11 | 6.5 | 45 | 16 | 18 | 9   | 15 | 4  | 4.3 | 14   | 25 |

● Materiale: Alluminio

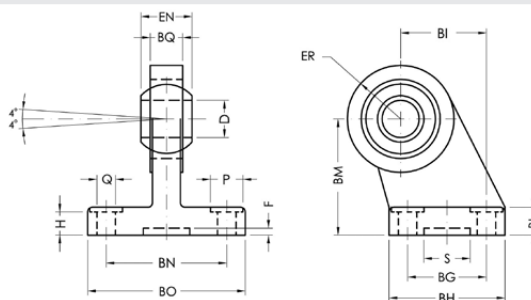
◆ Materiale: Acciaio

**VPS - PERNO ANTIROTAZIONE PER CERNIERA FEMMINA STRETTA VCD**


| Code ●  | Code ■   | Ø  | A | C    | D   | E  | F    | G | H  | L  | B   |
|---------|----------|----|---|------|-----|----|------|---|----|----|-----|
| VPS 032 | VPSI 032 | 32 | 3 | 32.5 | 1.1 | 10 | 9.6  | 4 | 41 | 14 | 4.5 |
| VPS 040 | VPSI 040 | 40 | 4 | 38   | 1.1 | 12 | 11.5 | 4 | 48 | 16 | 6   |
| VPS 050 | VPSI 050 | 50 | 4 | 43   | 1.1 | 16 | 15.2 | 5 | 54 | 20 | 6   |
| VPS 063 | VPSI 063 | 63 | 4 | 49   | 1.1 | 16 | 15.2 | 5 | 54 | 20 | 6   |

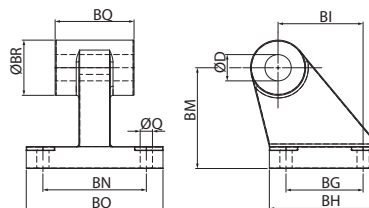
● Materiale: Acciaio

● Materiale: INOX

**FISSAGGI E ACCESSORI SERIE RQ**
**VADZ - ARTICOLAZIONE A SQUADRA CON TESTINA SNODATA DIN648K**


| Code        | Ø  | Q   | P  | BG | BH | BI | BL | BM | BN | BO | EN | ER | BQ   | D  | H    | S  | F |
|-------------|----|-----|----|----|----|----|----|----|----|----|----|----|------|----|------|----|---|
| VADZ 032 NE | 32 | 6.6 | 11 | 18 | 31 | 21 | 10 | 32 | 38 | 51 | 14 | 15 | 10.5 | 10 | 8.5  | 20 | 3 |
| VADZ 040 NE | 40 | 6.6 | 11 | 22 | 35 | 24 | 10 | 36 | 41 | 54 | 16 | 18 | 12   | 12 | 8.5  | 20 | 3 |
| VADZ 050 NE | 50 | 9   | 15 | 30 | 45 | 33 | 12 | 45 | 50 | 65 | 21 | 20 | 15   | 16 | 10.5 | 20 | 3 |
| VADZ 063 NE | 63 | 9   | 15 | 35 | 50 | 37 | 12 | 50 | 52 | 67 | 21 | 23 | 15   | 16 | 10.5 | 20 | 3 |

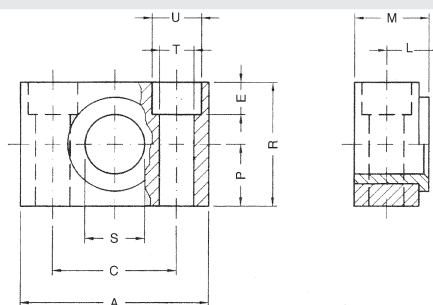
Materiale: Acciaio / trattamento: Cataforesi nera

**VAS - ARTICOLAZIONE A SQUADRA**


| Code ●  | Code ■   | Ø  | Q   | BG | BH | BI | BM | BN | BO | BQ | BR | ØD |
|---------|----------|----|-----|----|----|----|----|----|----|----|----|----|
| VAS 032 | VASI 032 | 32 | 6.6 | 18 | 31 | 21 | 32 | 38 | 51 | 26 | 20 | 10 |
| VAS 040 | VASI 040 | 40 | 6.6 | 22 | 35 | 24 | 36 | 41 | 54 | 28 | 22 | 12 |
| VAS 050 | VASI 050 | 50 | 9   | 30 | 45 | 33 | 45 | 50 | 65 | 32 | 26 | 12 |
| VAS 063 | VASI 063 | 63 | 9   | 35 | 50 | 37 | 50 | 52 | 67 | 40 | 30 | 16 |

● Materiale: Alluminio

■ Materiale: Inox

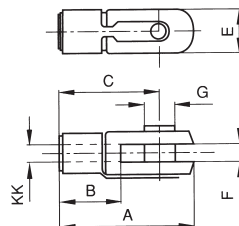
**VSI - SUPPORTO CERNIERA INTERMEDIA**


| Code    | Ø       | A  | M  | R  | P  | C  | S  | L    | U  | T   | E  |
|---------|---------|----|----|----|----|----|----|------|----|-----|----|
| VSI 032 | 32      | 46 | 18 | 30 | 15 | 32 | 12 | 10.5 | 11 | 6.6 | 7  |
| VSI 040 | 40 - 50 | 55 | 21 | 36 | 18 | 36 | 16 | 12   | 15 | 9   | 9  |
| VSI 063 | 63 - 80 | 65 | 23 | 40 | 20 | 42 | 20 | 13   | 18 | 11  | 11 |

Materiale: Acciaio / Consigliato per VCNT - XCN - VCNL - VCNF

## FISSAGGI E ACCESSORI SERIE RQ

## FC - FORCELLA CON CLIP



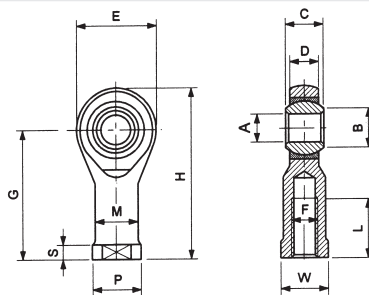
| Code ● | Code ■    | KK       | A  | B  | C  | E  | F  | G  |
|--------|-----------|----------|----|----|----|----|----|----|
| FC 025 | * FCI 025 | M10x1.25 | 52 | 20 | 40 | 20 | 10 | 10 |
| FC 040 | * FCI 040 | M12x1.25 | 62 | 24 | 48 | 24 | 12 | 12 |
| FC 050 | * FCI 050 | M16x1.5  | 83 | 32 | 64 | 32 | 16 | 16 |

● Materiale: Acciaio

■ Materiale: Inox

\* Con Perno e Seeger

## TF - TESTE DI BIELLA AUTOLUBRIFICANTI



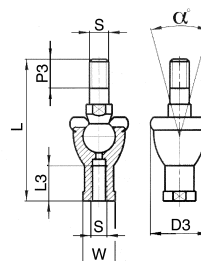
| Code ● | Code ■  | F        | A  | B    | C      | Spera | D      | E     | G     | H  | L     | M     | P     | S     | W      | Carico radiale |       | Peso |
|--------|---------|----------|----|------|--------|-------|--------|-------|-------|----|-------|-------|-------|-------|--------|----------------|-------|------|
|        |         |          | 0  | 0    | 0      |       | ± 0.13 | ± 0.5 | ± 0.5 |    | ± 0.7 | ± 0.7 | ± 0.5 | ± 0.7 | ± 0.25 | D              | S     |      |
|        |         | H7       |    |      | - 0.13 |       |        |       |       |    |       |       |       |       |        | kg             | kg    | g    |
| TF 025 | TFI 025 | M10x1,25 | 10 | 12.9 | 14     | 19.05 | 11.5   | 30    | 43    | 58 | 15    | 15    | 19    | 6.5   | 16     | 1.200          | 3.100 | 88   |
| TF 040 | TFI 040 | M12x1,25 | 12 | 15.4 | 16     | 22.23 | 12.5   | 34    | 50    | 67 | 18    | 17.5  | 22    | 6.5   | 18     | 1.400          | 3.700 | 120  |
| TF 050 | TFI 050 | M16x1,5  | 16 | 19.3 | 21     | 28.58 | 15.5   | 42    | 64    | 85 | 24    | 22    | 27    | 8     | 24     | 2.500          | 6.300 | 240  |

● Materiale: Acciaio

■ Materiale: Inox

D Dinamico; S Statico

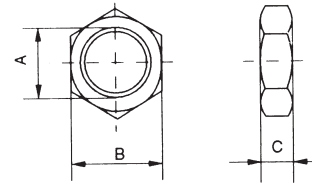
## TS - SNODO ASSIALE



| Code   | S        | L    | L3 | W  | P3 | D3 | α°  | Carico radiale (kN) |
|--------|----------|------|----|----|----|----|-----|---------------------|
|        |          |      |    |    |    |    |     | S                   |
| TS 025 | M10x1.25 | 74.5 | 18 | 17 | 15 | 30 | 30° | 16                  |
| TS 040 | M12x1.25 | 84   | 20 | 19 | 17 | 32 | 30° | 22                  |
| TS 050 | M16x1.5  | 112  | 27 | 22 | 23 | 40 | 22° | 33                  |

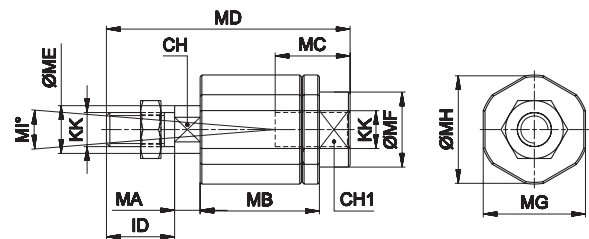
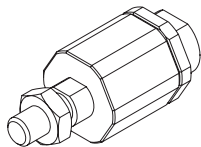
Materiale: Acciaio

S Statico

**FISSAGGI E ACCESSORI SERIE RQ**
**DA - DADO PER STELI**


| Code                              | A                        | B  | C |
|-----------------------------------|--------------------------|----|---|
| <a href="#">ODA00 00 51 C9 ZI</a> | <a href="#">M10x1.25</a> | 17 | 8 |
| <a href="#">ODA00 00 51 D5 ZI</a> | <a href="#">M12x1.25</a> | 19 | 7 |
| <a href="#">ODA00 00 51 E3 ZI</a> | <a href="#">M16x1.5</a>  | 22 | 6 |

Materiale: Acciaio

**KF-24 - SNODO AUTOALLINEANTE**


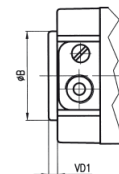
| Code                     | Ø                     | CH | CH1 | ID  | KK       | MA | MB | MC | MD  | ME | MF | MG | MH | MI° | MASSA |
|--------------------------|-----------------------|----|-----|-----|----------|----|----|----|-----|----|----|----|----|-----|-------|
| <a href="#">KF-24032</a> | <a href="#">32</a>    | 12 | 19  | 71  | M10x1.25 | 5  | 35 | 20 | 71  | 14 | 22 | 30 | 32 | 8   | 220   |
| <a href="#">KF-24040</a> | <a href="#">40</a>    | 12 | 19  | 75  | M12x1.25 | 5  | 35 | 20 | 75  | 14 | 22 | 30 | 32 | 8   | 220   |
| <a href="#">KF-24050</a> | <a href="#">50-63</a> | 20 | 30  | 103 | M16x1.5  | 8  | 54 | 32 | 103 | 22 | 32 | 41 | 45 | 6   | 660   |

Materiale: Acciaio zincato

**RPF28 - FLANGIA PER STELO FEMMINA**

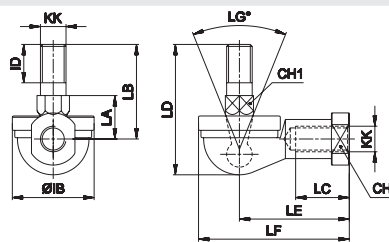
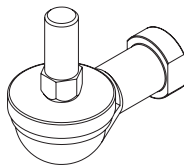

| Code                      | Ø                  | g  |
|---------------------------|--------------------|----|
| <a href="#">RPF-28032</a> | <a href="#">32</a> | 24 |
| <a href="#">RPF-28040</a> | <a href="#">40</a> | 35 |
| <a href="#">RPF-28050</a> | <a href="#">50</a> | 57 |
| <a href="#">RPF-28063</a> | <a href="#">63</a> | 94 |

Materiale: Alluminio

**RPF09 - ADATTATORE PER CENTRAGGIO**


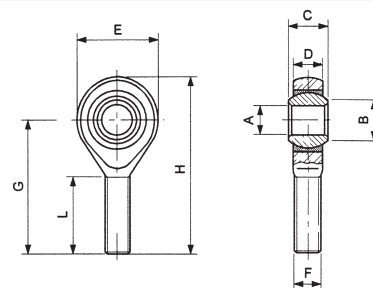
| Code                      | Ø                  | ØB | VD1 |
|---------------------------|--------------------|----|-----|
| <a href="#">RSF-09032</a> | <a href="#">32</a> | 30 | 3   |
| <a href="#">RSF-09040</a> | <a href="#">40</a> | 35 | 3   |
| <a href="#">RSF-09050</a> | <a href="#">50</a> | 40 | 3   |
| <a href="#">RSF-09063</a> | <a href="#">63</a> | 45 | 3   |

Materiale: Alluminio

**FISSAGGI E ACCESSORI SERIE RQ**
**KF-23 - FORCELLA CON PERNO SNODATO AD ANGOLO**


| Code            | Ø            | CH | CH1 | LG° | KK       | IB | ID | LA<br>± 0.3 | LB | LC | LD   | LE | LF | g   |
|-----------------|--------------|----|-----|-----|----------|----|----|-------------|----|----|------|----|----|-----|
| <b>KF-23025</b> | <b>32</b>    | 17 | 11  | 50  | M10x1.25 | 32 | 15 | 17          | 37 | 21 | 50,5 | 43 | 57 | 110 |
| <b>KF-23040</b> | <b>40</b>    | 19 | 17  | 50  | M12x1.25 | 36 | 17 | 19          | 42 | 42 | 57,5 | 50 | 66 | 165 |
| <b>KF-23050</b> | <b>50-63</b> | 22 | 19  | 40  | M16x1.5  | 47 | 23 | 23,5        | 60 | 60 | 79,5 | 64 | 84 | 330 |

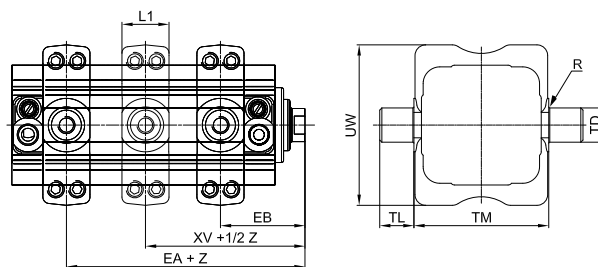
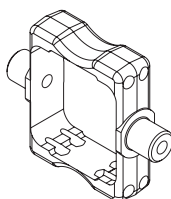
Materiale: Acciaio zincato

**TM - TESTE DI BIELLA AUTOLUBRIFICANTI MASCHIO**


| Code          | Ø              | F               | A  | B    | C      | Sphere | D      | E     | G     | H  | L     | Carico radiale |          | Peso |
|---------------|----------------|-----------------|----|------|--------|--------|--------|-------|-------|----|-------|----------------|----------|------|
|               |                |                 | 0  | 0    | 0      |        | ± 0.13 | ± 0.5 | ± 0.5 |    | ± 0.7 | <b>D</b>       | <b>S</b> |      |
|               |                |                 | H7 |      | - 0.13 |        |        |       |       |    |       | kg             | kg       | g    |
| <b>TM 050</b> | <b>32</b>      | <b>M8x1,25</b>  | 8  | 10.4 | 12     | 15.88  | 9.5    | 24    | 42    | 54 | 25    | 780            | 1900     | 34   |
| <b>TM 080</b> | <b>40</b>      | <b>M10x1,5</b>  | 10 | 12.9 | 14     | 19.05  | 11.5   | 30    | 48    | 63 | 28    | 1200           | 3100     | 70   |
| <b>TM 100</b> | <b>50 - 63</b> | <b>M12x1,75</b> | 12 | 15.4 | 16     | 22.23  | 12.5   | 34    | 54    | 71 | 32    | 1400           | 3700     | 110  |

Materiale: Acciaio

**D** Dinamico; **S** Statico

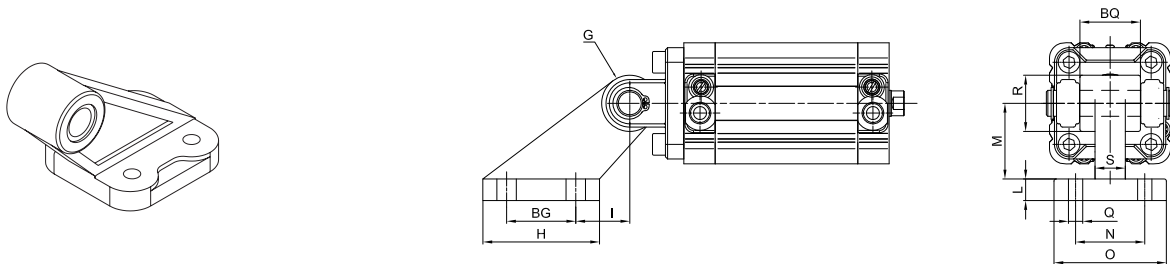
**KDF14/RPF14 - CERNIERE POSTERIORE/ANTERIORE INTERMEDIA ISO**


| Code             | Ø         | EA | EB | L1 | R   | TD<br>e9 | TL<br>h14 | TM<br>h14 | UW  | XV      | g   |
|------------------|-----------|----|----|----|-----|----------|-----------|-----------|-----|---------|-----|
| <b>KDF-14032</b> | <b>32</b> | 31 | 41 | 22 | 0,5 | 12       | 12        | 50        | 65  | 36 ±2   | 120 |
| <b>RPF-14040</b> | <b>40</b> | 32 | 41 | 22 | 0,5 | 16       | 16        | 63        | 75  | 36,5 ±2 | 240 |
| <b>RPF-14050</b> | <b>50</b> | 36 | 45 | 22 | 1   | 16       | 16        | 75        | 95  | 40,5 ±2 | 320 |
| <b>RPF-14063</b> | <b>63</b> | 37 | 48 | 28 | 1   | 20       | 20        | 90        | 105 | 43 ±2   | 470 |

Z = Corsa

La quota **XV + 1/2 Z** indica la posizione della cerniera in mezzzeria fra le testate del cilindro

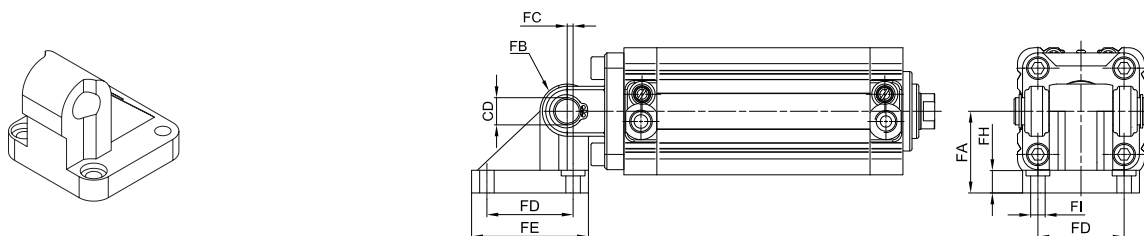
Materiale: Acciaio zincato

**FISSAGGI E ACCESSORI SERIE RQ**
**KF19 - CONTRO-CERNIERA A 90° (CNOMO)**
**AD ESAURIMENTO**


| Code          | Ø       | Q<br>H13 | BG<br>±0,2 | H  | I<br>±0,2 | L  | M<br>±0,2 | N<br>±0,2 | O  | S  | R<br>Max | BQ<br>±0,2/ ±0,1 | G<br>H9 | g   |
|---------------|---------|----------|------------|----|-----------|----|-----------|-----------|----|----|----------|------------------|---------|-----|
| KF-19032CN    | 32      | 7        | 20         | 37 | 18        | 8  | 24        | 25        | 41 | 9  | 19,5     | 25               | 8       | 58  |
| KF-19040050CN | 40 - 50 | 9        | 32         | 54 | 25        | 10 | 35        | 32        | 52 | 14 | 26       | 32               | 12      | 144 |
| KF-19063080CN | 63 - 80 | 11       | 50         | 75 | 32        | 13 | 50        | 40        | 63 | 14 | 32       | 46               | 16      | 300 |

Z = Corsa

Materiale: Alluminio

**KF19 - CONTRO-CERNIERA A 90°**
**AD ESAURIMENTO**


| Code     | Ø  | Q<br>H13 | BG<br>±0,2 | H  | I<br>±0,2 | L    | M<br>±0,2 | N<br>±0,2 | O           | S    | R<br>Max | BQ<br>±0,2/ ±0,1 | G<br>H9 | g   |
|----------|----|----------|------------|----|-----------|------|-----------|-----------|-------------|------|----------|------------------|---------|-----|
| KF-19032 | 32 | 10       | 32         | 10 | 1,2       | 32,5 | 46,5      | 26        | -0,2 / -0,6 | 9    | 6,5      | 5,5              | 10,5    | 90  |
| KF-19040 | 40 | 12       | 36         | 12 | 2,6       | 38   | 51,5      | 28        | -0,2 / -0,6 | 9    | 6,5      | 5,5              | 10,5    | 120 |
| KF-19050 | 50 | 12       | 45         | 12 | 0,3       | 46,5 | 63,5      | 32        | -0,2 / -0,6 | 9    | 8,5      | 5                | 13,5    | 200 |
| KF-19063 | 63 | 16       | 50         | 16 | 3,3       | 56,5 | 73,5      | 40        | -0,2 / -0,6 | 10,5 | 8,5      | 5                | 13,5    | 320 |

Materiale: Alluminio

**DF - BLOCCACAVO GUIDA FILO SENSORE DF**


| Code   | A  | B   | C   | D   | E   |
|--------|----|-----|-----|-----|-----|
| DF-001 | 15 | 7,8 | 7,9 | 5,8 | 5,5 |

Materiale: Corpo in policarbonato - vite in acciaio cromato

**DHF - BANDELLA COPRIFILO SENSORE DF**


| Code       | A | D   | E   |
|------------|---|-----|-----|
| DHF-002010 | 7 | 4,6 | 5,2 |

Materiale: pvc