

Catalogo Generale . General Catalogue

### Prevenire è meglio che curare. Parola di Mini Press.

Mini Press è nata nel 1991 con un obiettivo chiaro e preciso: risolvere il problema del controllo della pressione e del monitoraggio dei fluidi negli impianti oleodinamici.

Dopo una lunga esperienza nel settore, Dario Corsi, fondatore dell'Azienda, ha affrontato una delle principali cause di inefficienza del macchinario mobile: il buon funzionamento di macchine estremamente complesse e costose poteva essere ostacolato da un banale problema di riduzione o modificazione della pressione dei fluidi. La soluzione più ovvia, ma non per questo la più scontata, è stata quella di mettere a punto uno specifico sistema diagnostico che potesse garantire, in qualsiasi momento, luogo e condizione (anche la più estrema), la verifica immediata della pressione all'interno dell'impianto, senza interromperne l'attività. In più di venticinque anni di attività, Mini Press, perfezionando il proprio sistema diagnostico, ha saputo raccogliere l'attenzione e il favore dei costruttori più accorti diventando, nel settore, uno dei principali e più qualificati produttori al mondo.



Dario e Davide Corsi

Il sistema Mini Press, impiantato all'origine, offre la migliore garanzia di efficienza, sicurezza e durata per tutte le macchine su cui viene installato.

Se la migliore cura è la prevenzione, i prodotti ed il sistema diagnostico di Mini Press sono un'ottima soluzione per evitare inconvenienti di funzionalità e costosi interventi di riparazione elevando, contemporaneamente, lo standard qualitativo e prestazionale delle vostre macchine.

### Prevention is better than cure. The Mini Press philosophy.

Mini Press aim and mission, ever since it was founded in 1991, has been one and one only: solving the problem of pressure control and monitoring fluids inside hydraulic systems.

After a life long experience in the field, Mr. Dario Corsi, the company founder, decided to tackle one of the most common causes of mobile machineries inefficiency: the proper functioning of even the most complex and expensive machines could be thwarted or hindered by a sudden and simple reduction or change in the fluid pressure. The most obvious solution to this problem, but not the simplest, was to create a specific testing system that would allow the immediate control of the pressure inside the machine, without stopping its functioning, at any moment of the working process, in any piece, or under any conditions (even the most extreme). In more than twentyfive years of activity, Mini Press has been able to establish itself as one of the major and most qualified producers of hydraulic testing equipment in the world. All of this was achieved through hard work at refining and improving its testing system, and by catching the attention and finding favour with the most attentive and significant manufacturing companies. Mini Press testing method, devised in-house, guarantees efficiency, safety and endurance for all the machines to which it is installed at construction.

If prevention is always better than cure, Mini Press products and diagnostic testing method are excellent for avoiding any future malfunctioning and expensive repairs and at the same time they can increase the quality and the performance of your machines.

### Qualità, efficienza e rapidità delle forniture.

Il nuovo “quartier generale” di Mini Press si sviluppa nella provincia bolognese, in Emilia, nel cuore della “valle dell’oleodinamica” italiana. L’organizzazione si è qui dotata di nuove tecnologie produttive e di controllo ad altissima qualità che, unitamente all’esperienza maturata nel tempo, le permettono di offrire un prodotto e un servizio apprezzati in tutto il mondo. La soddisfazione del cliente è da sempre, il nostro obiettivo primario. E’ per questo motivo che oggi, chiunque ci conosca, sa che Mini Press non è solo un ottimo produttore di sistemi diagnostici ma, un vero e proprio partner commerciale sul quale contare.

### Quality, efficiency and speed in supplying.

Mini Press new “headquarters” are based in Bologna area, located in Emilia, the heart of the Italian “hydraulic valley”. The new location is equipped with the latest technologies for production and the highest quality control. All of this, along with the experience gained over the years, enables Mini Press to offer products and service valued worldwide. Customer’s satisfaction has always been our main aim and whoever knows us is well aware that not only are we excellent producers of pressure testing systems but also a true business partner, on whom rely on.



### **"Rapid System", perfetto sistema di diagnostica per impianti oleodinamici.**

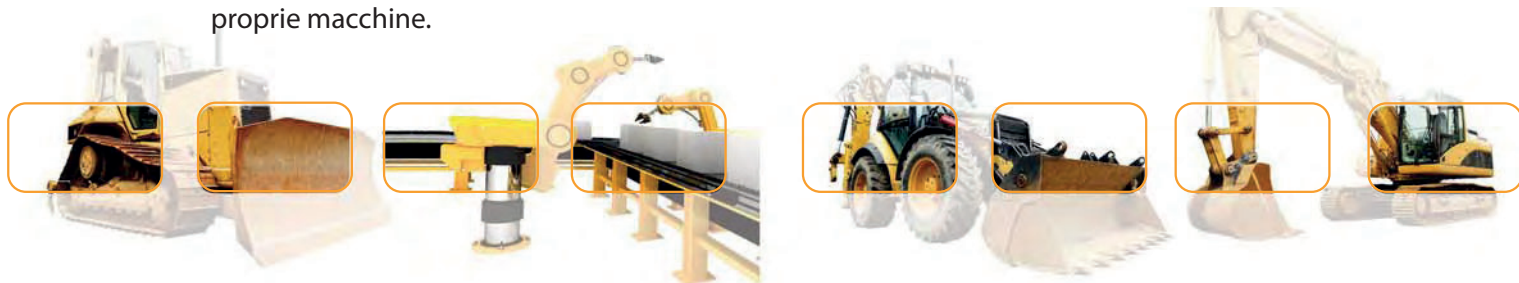
Con tutta l'esperienza e il know-how di cui dispone, Mini Press ha messo a punto **"Rapid System"**, una gamma completa di componenti miniaturizzati che consentono di monitorare ogni singolo sistema, localizzando tempestivamente il problema e impedendo l'insorgenza di altre complicazioni. **"Rapid System"** può essere utilizzato nelle fasi di collaudo, nelle operazioni di spurgo, di prelievo di campioni di fluido, nella manutenzione e nell'assistenza senza interrompere l'attività dell'impianto. Il sistema, riducendo notevolmente gli interventi sulle macchine, permette un considerevole risparmio di tempo e risorse, aumentando nel contempo la sicurezza per l'utilizzatore finale. **"Rapid System"** è l'unica soluzione che, al momento, permette un controllo realmente affidabile degli impianti oleodinamici, incrementando il valore intrinseco delle macchine su cui viene installato.

### **"Rapid System", the perfect diagnostic system for hydraulic plants.**

With all its experience and know-how, Mini Press created and finely turned **"Rapid System"**, a complete range of miniaturized components which allow a constant monitoring and immediate control on any hydraulic equipment. By localizing immediately any problem in the system it avoids any further complications. **"Rapid System"** can be used at any time during the phases of testing, bleeding, fluid sampling, maintenance and assistance, without stopping the functioning on the plant. Thus reducing the amount of time and resources spent on servicing the machines, and at the same time further insures the operators' safety. **"Rapid System"** is the only solution that enables a reliable and effective control of hydraulics plants and at the same time increases the intrinsic value of the machine to which it is installed.

### **A disposizione di un mondo di costruttori.**

I prodotti e i sistemi Mini Press possono essere applicati a qualsiasi tipo di macchinario mobile. Una fitta rete di rivenditori può garantire la fornitura alle Aziende costruttrici di tutti i principali settori (agricolo, industriale, edile e dei trasporti) e in tutti i paesi del mondo. L'incredibile rapporto costo/benefici dei prodotti Mini Press può mettere qualsiasi costruttore nelle condizioni di elevare notevolmente gli standard qualitativi e di sicurezza delle proprie macchine.



### **At the Manufacturer's service.**

Mini Press products and systems can be applied to any type of mobile machine. With our comprehensive distribution network, we can supply everywhere in the world, in all the main sectors: agricultural, industrial, building construction or transport and in each sector the manufacturer can increase the quality and safety of their machines, thanks to the amazing cost/benefits ratio of our products.

## I nostri prodotti. Our products.



Miniprese prova pressione

Test couplings for pressure control



Tubo capillare alta pressione e raccordi

High pressure micro-hose and fittings



Strumenti di controllo digitali

Digital instruments for pressure testing



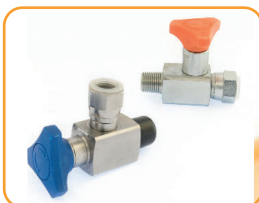
Strumenti portatili prova pressione

Portable pressure test kits



Manometri

Pressure gauges



Rubineti esclusori per protezione manometro

Isolator valves for gauges protection



Misuratori di portata in linea

High pressure in-line flow indicators



Pressa pneumo-idraulica per microtubi

Pneumo-hydraulic crimping machine for microhoses

## Mini Press nel mondo.

Mini Press fornisce ed assiste i propri clienti, direttamente o attraverso concessionari di fiducia, nei principali mercati a livello mondiale, esportando in più di 50 paesi. Ci contatti per ottenere maggiori informazioni in merito alla gestione del suo paese di provenienza.

## Mini Press worldwide.

Mini Press supply products and assistance to its customers in the main markets around the world, directly or through appointed agents and distributors, exporting in more than 50 countries.

Contact us to get more information, we are glad to assist you.



- 2 ► **Miniprese prova pressione**  
*Test couplings for pressure checking*



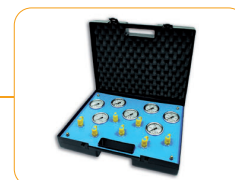
- 16 ► **Tubo capillare per alta pressione e raccordi**  
*Micro hose for high pressure and fittings*



- 35 ► **Strumenti di controllo digitali**  
*Digital instruments for pressure testing*



- 37 ► **Strumenti portatili prova pressione**  
*Portable hydraulic instruments for pressure testing*



- 39 ► **Manometri**  
*Pressure gauges*



- 40 ► **Rubinetti esclusori protezione manometro**  
*Pressure gauge isolator valves*



- 42 ► **Misuratori di portata in linea**  
*High pressure in-line flow indicators*



- 43 ► **Pressa pneumo-idraulica per microtubi**  
*Pneumo-hydraulic crimping machine for microhoses*




**Applicazioni:**

- Controllo pressione
- Lubrificazione
- Spurgo aria
- Prelievo campioni olio

**Applications:**

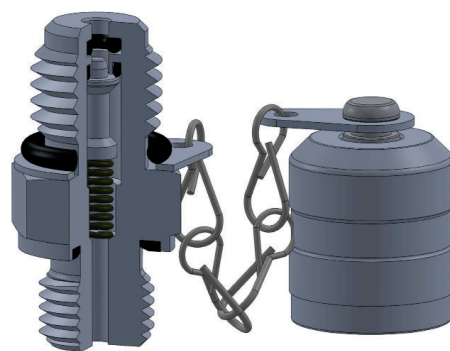
- Pressure control
- Lubrification
- Air bleeding
- Oil sampling

**Fluidi:**

- Olio idraulico
- Olio a base minerale
- Compatibilità con altri fluidi a richiesta
- Compatibilità con azoto a richiesta

**Fluids:**

- Hydraulic oils
- Mineral oils
- Suitability with other fluids on request
- Suitability with Nitrogen on request


**Range di Temperatura / Temperature Range**

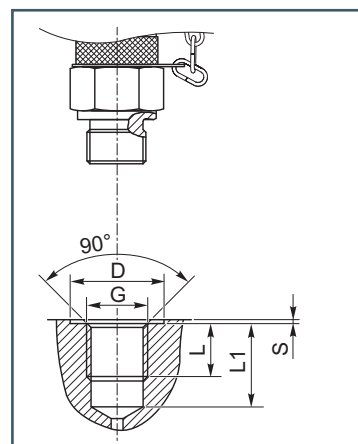
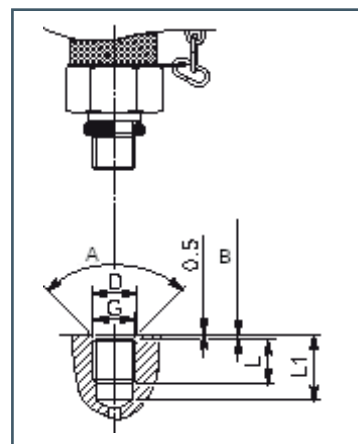
| Materiale tenuta / Sealing material | Materia prima / Raw material   | Materia prima / Raw material                                  |
|-------------------------------------|--------------------------------|---------------------------------------------------------------|
|                                     | AVP / Carbon steel (11SMnPb37) | Acciaio inossidabile (AISI316L) / Stainless Steel (AISI 316L) |
| NBR (Nitrile Buna-N)                | -25°C / +120°C                 | -25°C / +120°C                                                |
| EPDM                                | -25°C / +130°C                 | -40°C / +130°C                                                |
| FKM                                 | -20°C / +200°C                 | -20°C / +200°C                                                |

**Esecuzione dei fori filettati e tipi di tenuta**
**Hole screw-cuts and sealing types**
**Type A**

| Tenuta con O-Ring<br>O-Ring sealing | G | D    | L  | L1   |
|-------------------------------------|---|------|----|------|
| M 8x1                               |   | 9.5  | 11 | 15.5 |
| M 10x1                              |   | 11.5 | 12 | 16.5 |
| M 10x1.25                           |   | 11   | 12 | 16.5 |
| M 14x1.5                            |   | 15.8 | 12 | 18   |

**Type B**

| Tenuta con spigolo metallico<br>di incisione<br>Metal sealing edge | G | Dmin | Lmin | L1min | Smax |
|--------------------------------------------------------------------|---|------|------|-------|------|
| M 8x1                                                              |   | 13   | 8    | 10    | 1    |
| M 10x1                                                             |   | 15   | 8    | 10    | 1    |
| M 12x1.5                                                           |   | 18   | 12   | 15    | 1.5  |
| M 14x1.5                                                           |   | 20   | 12   | 15    | 1.5  |
| M 16x1.5                                                           |   | 23   | 12   | 15    | 1.5  |
| M 18x1.5                                                           |   | 25   | 12   | 15    | 2    |
| M 20x1.5                                                           |   | 27   | 14   | 17    | 2    |
| M 22x1.5                                                           |   | 28   | 14   | 17    | 2.5  |
| M 27x2                                                             |   | 33   | 16   | 20    | 2.5  |
| ISO 228 G 1/8"                                                     |   | 15   | 8    | 10    | 1    |
| ISO 228 G 1/4"                                                     |   | 20   | 12   | 15    | 1    |
| ISO 228 G 3/8"                                                     |   | 23   | 12   | 15    | 2    |
| ISO 228 G 1/2"                                                     |   | 28   | 14   | 18    | 2.5  |
| ISO 228 G 3/4"                                                     |   | 33   | 16   | 20    | 2.5  |

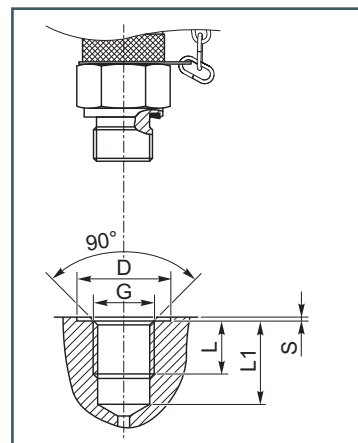




Type **C**

**Tenuta con guarnizione piana**  
**Flat gasket sealing**

| G              | D  | L  | L1 | S   |
|----------------|----|----|----|-----|
| M 10x1         | 15 | 8  | 10 | 1   |
| M 10x1,25      | 15 | 8  | 10 | 1   |
| M 12x1.5       | 18 | 12 | 15 | 1.5 |
| M 14x1.5       | 20 | 12 | 15 | 1.5 |
| M 16x1.5       | 23 | 12 | 15 | 1.5 |
| ISO 228 G 1/8" | 15 | 8  | 10 | 1   |
| ISO 228 G 1/4" | 20 | 12 | 15 | 1.5 |
| ISO 228 G 3/8" | 23 | 12 | 15 | 2   |
| ISO 228 G 1/2" | 28 | 14 | 18 | 2.5 |



Type **D**

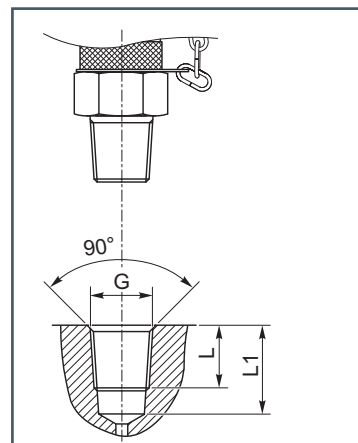
**Tenuta:**

- Gas conico ISO 7/1
- Conico NPTF

**Sealing by thread:**

- B.S.P. Taper ISO 7/1
- Taper NPTF

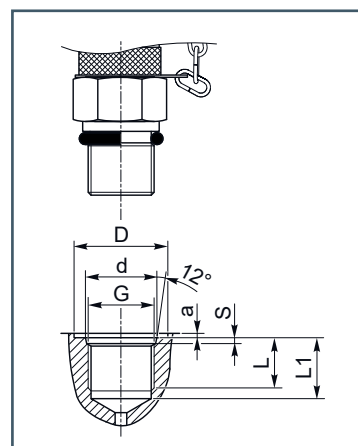
| G            | L   | L1   |
|--------------|-----|------|
| ISO 7/1 1/8" | 5.5 | 8.5  |
| ISO 7/1 1/4" | 8.5 | 12.5 |
| ISO 7/1 3/8" | 8.5 | 12.5 |
| 1/8"-27 NPTF | 9   | 14   |
| 1/4"-18 NPTF | 9   | 18.5 |
| 3/8"-18 NPTF | 14  | 20   |
| 1/2"-14 NPTF | 18  | 24   |



Type **E**

**Tenuta con O-Ring**  
**O-Ring sealing**

| G              | d    | D  | L    | L1   | S   | a   |
|----------------|------|----|------|------|-----|-----|
| 5/16"-24 UNF   | 9,2  | 15 | 11   | 14   | 2,4 | 1,6 |
| 3/8"-24 UNF    | 10,6 | 16 | 11   | 14   | 2,4 | 1,6 |
| 7/16"-20 UNF   | 12,4 | 17 | 11,5 | 14   | 2,4 | 1,6 |
| 1/2"-20 UNF    | 14   | 18 | 11,5 | 14   | 2,4 | 1,6 |
| 9/16"-18 UNF   | 15,6 | 20 | 12,7 | 15,5 | 2,5 | 1,6 |
| 3/4"-16 UNF    | 20,5 | 25 | 16   | 20   | 2,6 | 2,4 |
| M14X1.5ISO6149 | 15,8 | 21 | 11,5 | 14   | 2,4 | 1,5 |





## Come ordinare

### How to order

Per ordinare i componenti indicare il codice riportato nelle tabelle e modificarlo sulla base delle seguenti opzioni ed indicazioni. Il codice in tabella, nostro standard, descrive articoli in acciaio carbonio con tenute in NBR.

Please indicate the code shown in the provided charts, and modify it, if necessary, on the basis of the following options and indications. The code in the charts, according to our standard configuration, is produced in carbon steel and assembled with NBR sealing.



### Opzioni configurazione / Form options

#### Tappo metallo con catenella e logo Mini Press / Metal cap with chain and Mini Press logo

Lasciare invariato il codice (lettera finale "C") / Do not modify the code (final letter "C")

xxxxxxxxxC



#### Tappo in plastica / Plastic cap

Opzione possibile per le filettature M16X2 e M16X1,5 / Possible option for threads M16X2 and M16X1,5

P

Sostituire nel codice "C" con "P" / Replace "C" with "P"

xxxxxxxxxP

#### Materiale acciaio inossidabile / Stainless steel material

-AI

Aggiungere al termine del codice "-AI" / Add at the end of the code "-AI"

xxxxxxxxx-AI

#### Guarnizioni in FKM / FKM sealing

-V

Aggiungere al termine del codice "-V" / Add at the end of the code "-V"

xxxxxxxxx-V

#### Guarnizioni in EPDM / EPDM sealing

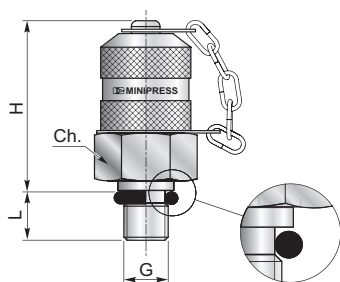
-E

Aggiungere al termine del codice "-E" / Add at the end of the code "-E"

xxxxxxxxx-E

## Miniprese filettate M 16x2

### Threaded test couplings M 16x2



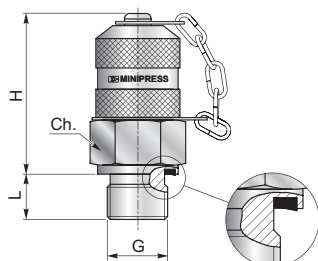
| G                                    | H  | L   | Ch | PN [bar] | Tenuta/Seal                                                                                          | Codice/Ref. |
|--------------------------------------|----|-----|----|----------|------------------------------------------------------------------------------------------------------|-------------|
| Metrica cilindrica / Metric parallel |    |     |    |          |                                                                                                      |             |
| M8x1*                                | 37 | 8.5 | 17 | 400      | O-Ring Type<br> | S10108X10C  |
| M10x1*                               | 37 | 8.5 | 17 | 630      |                                                                                                      | S10110X10C  |
| M10x1.25                             | 37 | 8.5 | 17 | 630      |                                                                                                      | S10110X12C  |
| M14x1.5                              | 37 | 10  | 19 | 630      |                                                                                                      | S10114X15C  |
| ISO 228 JIS 1/4"                     | 37 | 10  | 19 | 630      |                                                                                                      | S10714J00C  |
| Metrica cilindrica / Metric parallel |    |     |    |          |                                                                                                      |             |
| 7/16"-20UNF*                         | 37 | 9   | 17 | 630      | O-Ring Type<br> | S10171X20C  |
| 1/2"-20UNF*                          | 37 | 10  | 17 | 630      |                                                                                                      | S10112X20C  |
| 9/16"-18UNF*                         | 37 | 10  | 19 | 630      |                                                                                                      | S10191X18C  |
| 3/4"-16UNF                           | 37 | 14  | 22 | 630      |                                                                                                      | S10134X16C  |
| 5/16"-24UNF*                         | 37 | 9   | 17 | 630      |                                                                                                      | S10151X24C  |
| 3/8"-24UNF                           | 37 | 9   | 17 | 630      |                                                                                                      | S10138X24C  |
| M14x1.5 ISO6149                      | 37 | 10  | 19 | 630      |                                                                                                      | S101146149C |

\* Disponibili in acciaio inossidabile / Available in Stainless steel



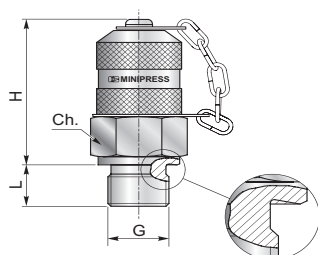
Minipresa filettata M 16x2

Threaded test coupling M 16x2

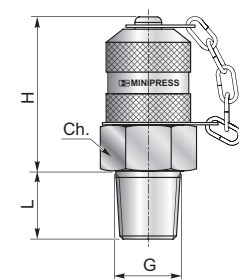


| G                                    | H  | L  | Ch | PN [bar] | Tenuta/Seal                                                                              | Codice/Ref. |
|--------------------------------------|----|----|----|----------|------------------------------------------------------------------------------------------|-------------|
| Metrica cilindrica / Metric parallel |    |    |    |          |                                                                                          |             |
| M 10x1*                              | 37 | 8  | 17 | 630      | Type  | S10410X10C  |
| M 10x1.25                            | 37 | 8  | 17 | 630      |                                                                                          | S10410X12C  |
| M 10x1.5                             | 37 | 12 | 17 | 630      |                                                                                          | S10410X15C  |
| M 12x10                              | 37 | 12 | 17 | 630      |                                                                                          | S10612X10C  |
| M 12x1.5*                            | 37 | 12 | 17 | 630      |                                                                                          | S10612X15C  |
| M 14x1.5*                            | 37 | 12 | 19 | 630      |                                                                                          | S10614X15C  |
| M16x1.5*                             | 37 | 12 | 22 | 630      |                                                                                          | S10616X15C  |
| Gas cilindrica / B.S.P. parallel     |    |    |    |          |                                                                                          |             |
| ISO 228 G 1/8" *                     | 37 | 8  | 17 | 400      | Type  | S10718G00C  |
| ISO 228 G 1/4" *                     | 37 | 12 | 19 | 630      |                                                                                          | S10714G00C  |
| ISO 228 G 3/8" *                     | 37 | 12 | 22 | 630      |                                                                                          | S10738G00C  |
| ISO 228 G 1/2" *                     | 37 | 14 | 27 | 630      |                                                                                          | S10712G00C  |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



| G                                                   | H    | L  | Ch | PN [bar] | Tenuta/Seal      | Codice/Ref. |
|-----------------------------------------------------|------|----|----|----------|------------------|-------------|
| Metrica cilindrica / Metric parallel                |      |    |    |          |                  |             |
| M 8X1                                               | 37   | 8  | 17 | 400      | Type<br><b>B</b> | S10308X10C  |
| M 10X1                                              | 37   | 8  | 17 | 630      |                  | S10310X10C  |
| M 12X1.5                                            | 37   | 12 | 17 | 630      |                  | S10312X15C  |
| M 14X 1.5                                           | 37   | 12 | 19 | 630      |                  | S10314X15C  |
| M 16X1.5                                            | 37   | 12 | 22 | 630      |                  | S10316X15C  |
| M 18X1.5                                            | 37   | 12 | 27 | 630      |                  | S10318X15C  |
| M 20X1.5                                            | 37   | 14 | 27 | 630      |                  | S10320X15C  |
| M 22X1.5                                            | 37   | 14 | 27 | 630      |                  | S10322X15C  |
| M 27X2                                              | 37   | 16 | 32 | 630      |                  | S10327X20C  |
| Gas cilindrica / B.S.P. parallel - Forma B / Form B |      |    |    |          |                  |             |
| ISO 228 G 1/8"                                      | 37   | 8  | 17 | 400      | Type<br><b>B</b> | S10418G00C  |
| ISO 228 G 1/4"                                      | 37   | 12 | 19 | 630      |                  | S10414G00C  |
| ISO 228 G 3/8"                                      | 37   | 12 | 22 | 630      |                  | S10438G00C  |
| ISO 228 G 3/4"                                      | 37   | 16 | 32 | 630      |                  | S10434G00C  |
| ISO 228 G 1/2"                                      | 37   | 14 | 27 | 630      |                  | S10412G00C  |
| ISO 228 G 1 1/4"                                    | 59.5 | 20 | 50 | 160      |                  | S104114G0C  |
| G 1/4" BS5200                                       | 37   | 11 | 19 | 630      |                  | S10714B00C  |



| G                          | H  | L  | Ch | PN [bar] | Tenuta/Seal | Codice/Ref. |
|----------------------------|----|----|----|----------|-------------|-------------|
| GAS conica / B.S.P tapered |    |    |    |          |             |             |
| ISO 7/1 R 1/8" *           | 37 | 10 | 17 | 400      | Type        | S10818280C  |
| ISO 7/1 R 1/4" *           | 37 | 12 | 19 | 630      | D           | S10814190C  |
| ISO 7/1 R 3/8"             | 37 | 14 | 22 | 630      |             | S10838190C  |
| NPTF / NPTF                |    |    |    |          |             |             |
| 1/8"-27 NPTF*              | 37 | 10 | 17 | 400      | Type<br>D   | S10918270C  |
| 1/4"-18 NPTF*              | 37 | 14 | 17 | 630      |             | S10914180C  |
| 3/8"-18 NPTF*              | 37 | 14 | 22 | 630      |             | S10938180C  |
| 1/2"-14 NPTF*              | 37 | 18 | 24 | 630      |             | S10912140C  |

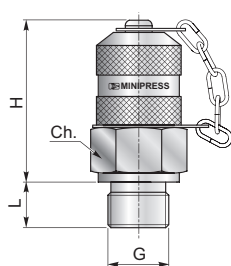
\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



## Minipresa filettata M 16x1.5

### Threaded test coupling M 16x1.5

#### M 16x1.5



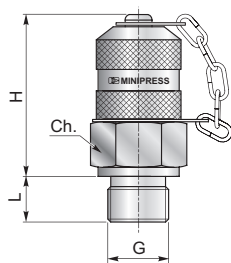
| G                                    | H  | L   | Ch | PN [bar] | Tenuta/Seal          | Codice/Ref.   |
|--------------------------------------|----|-----|----|----------|----------------------|---------------|
| Metrica cilindrica / Metric parallel |    |     |    |          |                      |               |
| M 8x1                                | 37 | 8.5 | 17 | 400      | O-Ring Type          | S10108X10150C |
| M 10x1                               | 37 | 8.5 | 17 | 630      | <b>A</b>             | S10110X10150C |
| M 14X1.5                             | 37 | 12  | 19 | 630      | Type <b>C</b>        | S10614X15150C |
| 7/16"-20UNF                          | 37 | 9   | 17 | 630      | O-Ring Type <b>E</b> | S10171X20150C |
| Gas cilindrica / B.S.P. parallel     |    |     |    |          |                      |               |
| ISO 228 G 1/4" *                     | 37 | 12  | 19 | 630      | Type                 | S10714150C    |
| ISO 228 G 1/8"                       | 37 | 8   | 17 | 630      | <b>C</b>             | S10718150C    |
| ISO 228 G 1/4"                       | 37 | 12  | 19 | 630      | Type <b>B</b>        | S10414150C    |
| Gas conica / B.S.P. Tapir            |    |     |    |          |                      |               |
| ISO 7/1 R 1/4"                       | 37 | 12  | 19 | 630      | Type <b>D</b>        | S10814150C    |
| NPTF / NPTF                          |    |     |    |          |                      |               |
| 1/4"-18NPTF*                         | 37 | 14  | 17 | 630      | Type <b>D</b>        | S10914150C    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

## Minipresa filettata M 12.65x1.5

### Threaded test coupling M 12.65x1.5

#### M 12.65x1.5

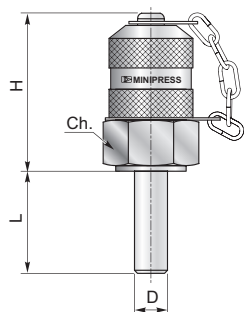


| G                                    | H  | L   | Ch | PN [bar] | Tenuta/Seal   | Codice/Ref.   |
|--------------------------------------|----|-----|----|----------|---------------|---------------|
| Metrica cilindrica / Metric parallel |    |     |    |          |               |               |
| M 8x1                                | 30 | 8.5 | 17 | 400      | O-Ring Type   | S10108X10120C |
| M 10x1                               | 30 | 8.5 | 17 | 630      | <b>A</b>      | S10110X10120C |
| M 10x1                               | 30 | 8   | 17 | 630      | Type          | S10410X10120C |
| M 12x1,5                             | 30 | 12  | 17 | 630      | <b>C</b>      | S10612X15120C |
| 5/16"-24UNF                          | 30 | 9   | 17 | 630      | O-Ring Type   | S10151X24120C |
| 7/16"-20UNF                          | 30 | 9   | 17 | 630      | <b>E</b>      | S10171X20120C |
| Gas cilindrica / B.S.P. parallel     |    |     |    |          |               |               |
| ISO 228 G 1/4"                       | 30 | 12  | 19 | 630      | Type          | S10714120C    |
| ISO 228 G 1/8"                       | 30 | 8   | 17 | 400      | <b>C</b>      | S10718120C    |
| NPTF / NPTF                          |    |     |    |          |               |               |
| 1/4"-18 NPTF                         | 30 | 14  | 17 | 630      | Type <b>D</b> | S10914120C    |



## Minipresa a codolo liscio M 16x2

### Standpipe test coupling M16X2

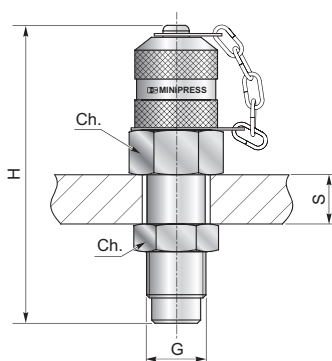


| D  | H  | L  | Ch | Codice/Ref. |
|----|----|----|----|-------------|
| 6* | 37 | 20 | 17 | S11206000C  |
| 8  | 37 | 20 | 17 | S11208000C  |
| 10 | 37 | 20 | 17 | S11210000C  |
| 12 | 37 | 20 | 17 | S11212000C  |
| 14 | 37 | 20 | 17 | S11214000C  |
| 15 | 37 | 20 | 17 | S11215000C  |
| 16 | 37 | 20 | 17 | S11216000C  |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

## Minipresa passaparete

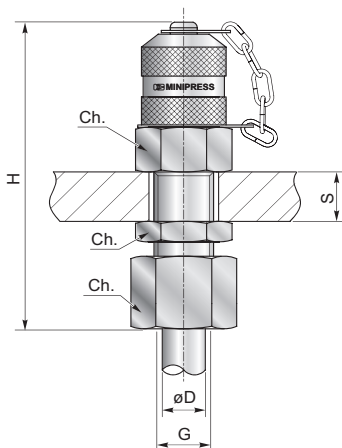
### Bulkhead test coupling



| G1         | G1         | H  | Ch | S max | PN [bar] | Codice/Ref. |
|------------|------------|----|----|-------|----------|-------------|
| M 16x2     | M 16x2     | 72 | 19 | 25    | 630      | S122PP000C  |
| S12.65x1.5 | S12.65x1.5 | 63 | 19 | 12    | 630      | S122PP120C  |

## Minipresa passaparete per tubo metallico M 16x2

### Bulkhead test coupling for metal pipe fitting M 16x2



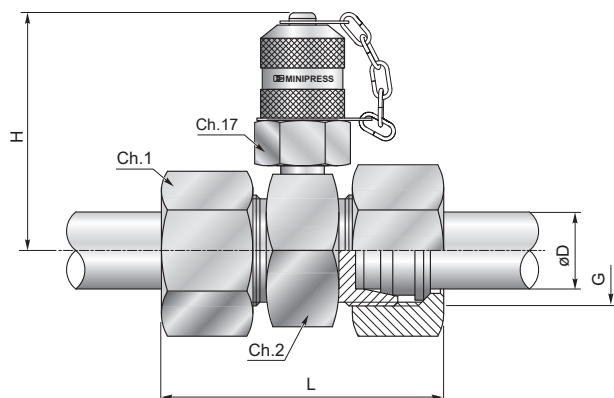
| Serie / Series | D  | G        | H  | Ch | Ch 1 | S max | PN [bar] | Codice/Ref. |
|----------------|----|----------|----|----|------|-------|----------|-------------|
| S              | 8* | M 16x1.5 | 82 | 19 | 19   | 20    | 630      | S11616X15C  |
|                | 10 | M 18x1.5 | 81 | 22 | 22   | 20    | 630      | S11618X15C  |
|                | 12 | M 20x1.5 | 80 | 24 | 24   | 20    | 630      | S11620X15C  |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



## Minipressa raccordo intermedio diritto per tubo metallico

### Straight test coupling for metal pipe fitting

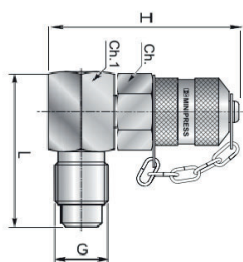


| Serie / Series                     | D  | G        | H  | L  | Ch 1 | Ch 2 | PN [bar] | Codice/Ref. | Codice/Ref. | Codice/Ref.  |
|------------------------------------|----|----------|----|----|------|------|----------|-------------|-------------|--------------|
| Raccordi ad anello / Ring fittings |    |          |    |    |      |      |          | M 16x2*     | M 16x1.5    | M 12.65x1.5* |
| L                                  | 6  | M 12x1.5 | 48 | 57 | 14   | 24   | 250      | S11306000C  | S11306150C  | S11306120C   |
|                                    | 8  | M 14x1.5 | 48 | 55 | 17   | 24   | 250      | S11308000C  | S11308150C  | S11308120C   |
|                                    | 10 | M 16x1.5 | 48 | 59 | 19   | 24   | 250      | S11310000C  | S11310150C  | S11310120C   |
|                                    | 12 | M 18x1.5 | 48 | 60 | 22   | 24   | 250      | S11312000C  | S11312150C  | S11312120C   |
|                                    | 15 | M 22x1.5 | 50 | 62 | 27   | 27   | 250      | S11315000C  | S11315150C  | S11315120C   |
|                                    | 18 | M 26x1.5 | 52 | 64 | 32   | 32   | 160      | S11318000C  | S11318150C  | S11318120C   |
|                                    | 22 | M 30x2   | 52 | 70 | 36   | 32   | 160      | S11322000C  | S11322150C  | S11322120C   |
|                                    | 28 | M 36x2   | 57 | 69 | 41   | 41   | 100      | S11328000C  | S11328150C  | S11328120C   |
|                                    | 35 | M 45x2   | 59 | 80 | 50   | 46   | 100      | S11335000C  | S11335150C  | S11335120C   |
|                                    | 42 | M 52x2   | 66 | 79 | 60   | 55   | 100      | S11342000C  | S11342150C  | S11342120C   |
| S                                  | 6  | M 14x1.5 | 48 | 61 | 17   | 24   | 630      | S11406000C  | S11406150C  | S11406120C   |
|                                    | 8  | M 16x1.5 | 48 | 59 | 19   | 24   | 630      | S11408000C  | S11408150C  | S11408120C   |
|                                    | 10 | M 18x1.5 | 48 | 61 | 22   | 24   | 630      | S11410000C  | S11410150C  | S11410120C   |
|                                    | 12 | M 20x1.5 | 48 | 60 | 24   | 24   | 630      | S11412000C  | S11412150C  | S11412120C   |
|                                    | 14 | M 22x1.5 | 50 | 66 | 27   | 27   | 630      | S11414000C  | S11414150C  | S11414120C   |
|                                    | 16 | M 24x1.5 | 50 | 69 | 30   | 27   | 400      | S11416000C  | S11416150C  | S11416120C   |
|                                    | 20 | M 30x2   | 52 | 87 | 36   | 32   | 400      | S11420000C  | S11420150C  | S11420120C   |
|                                    | 25 | M 36x2   | 57 | 86 | 46   | 41   | 400      | S11425000C  | S11425150C  | S11425120C   |
|                                    | 30 | M 42x2   | 59 | 93 | 50   | 46   | 250      | S11430000C  | S11430150C  | S11430120C   |
|                                    | 38 | M 52x2   | 63 | 96 | 60   | 55   | 250      | S11438000C  | S11438150C  | S11438120C   |

\* Per fattibilità e disponibilità in acciaio inossidabile, si prega di verificare con ns ufficio commerciale.  
/ Please verify the feasibility and availability of the stainless steel versions with our sales office.

## Minipressa filettata M 16x2 a 90°

### 90° Threaded test couplina M 16x2

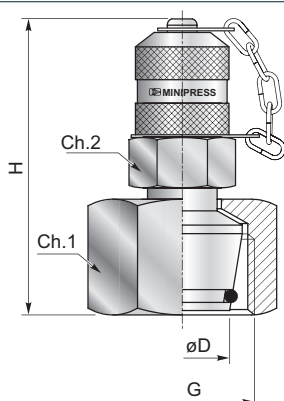


| G             | L  | H    | Ch | Ch1 | Codice/Ref. |
|---------------|----|------|----|-----|-------------|
| ISO 228 G1/4" | 39 | 55.4 | 17 | 19  | S10714G90C  |



Minipressa tipo DKO codolo conico 24° con O-Ring

Test coupling with 24° O-Ring sealing cone DKO type

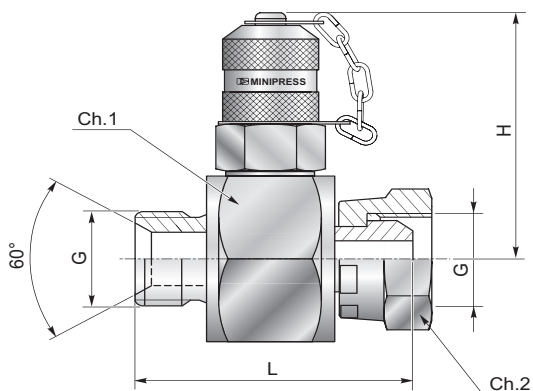


| Serie / Series | D  | G        | H  | Ch 1 | Ch 2 | PN [bar] | Codice/Ref. | Codice/Ref.   | Codice/Ref.   |
|----------------|----|----------|----|------|------|----------|-------------|---------------|---------------|
|                |    |          |    |      |      |          | M 16x2*     | M 16x1.5      | M 12.65x1.5   |
| L              | 6  | M 12x1.5 | 53 | 14   | 17   | 250      | S11012X15C  | S11012X15150C | S11012X15120C |
|                | 8  | M 14x1.5 | 55 | 17   | 17   | 250      | S11014X15C  | S11014X15150C | S11014X15120C |
|                | 10 | M 16x1.5 | 56 | 19   | 19   | 250      | S11016X15C  | S11016X15150C | S11016X15120C |
|                | 12 | M 18x1.5 | 57 | 22   | 19   | 250      | S11018X15C  | S11018X15150C | S11018X15120C |
|                | 15 | M 22x1.5 | 59 | 27   | 22   | 250      | S11022X15C  | S11022X15150C | S11022X15120C |
|                | 18 | M 26x1.5 | 59 | 32   | 22   | 160      | S11026X15C  | S11026X15150C | S11026X15120C |
|                | 22 | M 30x2   | 57 | 36   | 27   | 160      | S11030X20C  | S11030X20150C | S11030X20120C |
|                | 28 | M 36x2   | 63 | 41   | 17   | 100      | S11035X20C  | S11035X20150C | S11035X20120C |
|                | 35 | M 45x2   | 70 | 50   | 17   | 100      | S11045X20C  | S11045X20150C | S11045X20120C |
|                | 42 | M 52x2   | 70 | 60   | 17   | 100      | S11052X20C  | S11052X20150C | S11052X20120C |
| S              | 6  | M 14x1.5 | 54 | 17   | 17   | 630      | S11114X15C  | S11114X15150C | S11114X15120C |
|                | 8  | M 16x1.5 | 56 | 19   | 17   | 630      | S11116X15C  | S11116X15150C | S11116X15120C |
|                | 10 | M 18x1.5 | 57 | 22   | 19   | 630      | S11118X15C  | S11118X15150C | S11118X15120C |
|                | 12 | M 20x1.5 | 58 | 24   | 19   | 630      | S11120X15C  | S11120X15150C | S11120X15120C |
|                | 14 | M 22x1.5 | 59 | 27   | 22   | 400      | S11122X15C  | S11122X15150C | S11122X15120C |
|                | 16 | M 24x1.5 | 60 | 30   | 22   | 400      | S11124X15C  | S11124X15150C | S11124X15120C |
|                | 20 | M 30x2   | 61 | 36   | 27   | 400      | S11130X20C  | S11130X20150C | S11130X20120C |
|                | 25 | M 36x2   | 69 | 46   | 17   | 400      | S11136X20C  | S11136X20150C | S11136X20120C |
|                | 30 | M 42x2   | 72 | 55   | 17   | 250      | S11142X20C  | S11142X20150C | S11142X20120C |
|                | 38 | M 52x2   | 76 | 60   | 17   | 250      | S11152X20C  | S11152X20150C | S11152X20120C |

\* Per fattibilità e disponibilità in acciaio inossidabile, si prega di verificare con ns ufficio commerciale. /  
Please verify the feasibility and availability of the stainless steel versions with our sales office.

Minipressa di pressione con giunzione dritta 60°

Check coupling male - female swivel 60°



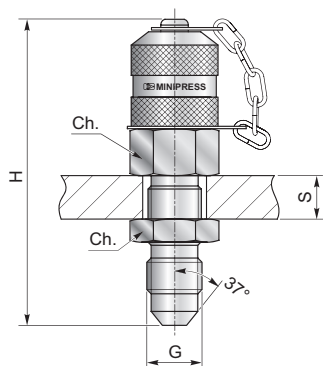
| G             | H  | L  | Ch1 | Ch2 | PN bar | Codice/Ref. | Codice/Ref. | Codice/Ref. |
|---------------|----|----|-----|-----|--------|-------------|-------------|-------------|
|               |    |    |     |     |        | M 16x2 *    | M 16x1.5 *  | M 12.65x1.5 |
| ISO 228 G1/4" | 51 | 53 | 32  | 19  | 400    | S11914G00C  | S11914150C  | S11914120C  |
| ISO 228 G3/8" | 51 | 60 | 32  | 22  | 400    | S11938G00C  | S11938150C  | S11938120C  |
| ISO 228 G1/2" | 51 | 60 | 32  | 27  | 400    | S11912G00C  | S11912150C  | S11912120C  |
| ISO 228 G3/4" | 51 | 60 | 32  | 32  | 400    | S11934G00C  | S11934150C  | S11934120C  |
| ISO 228 G1"   | 56 | 61 | 41  | 41  | 315    | S11901G00C  | S11901150C  | S11901120C  |

\* Per fattibilità e disponibilità in acciaio inossidabile, si prega di verificare con ns ufficio commerciale. /  
Please verify the feasibility and availability of the stainless steel versions with our sales office.



### Minipresa passaparete JIC 37° M 16x2

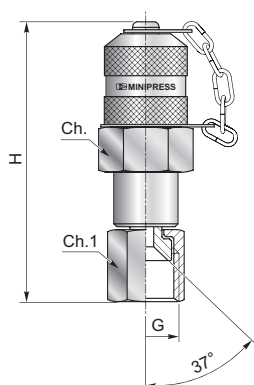
#### Bulkhead test coupling - JIC 37° M 16x2



| G            | H  | Ch | S max | PN [bar] | Codice/Ref. |
|--------------|----|----|-------|----------|-------------|
| 7/16"-20 UNF | 67 | 17 | 9     | 630      | S11707162C  |
| 1/2"-20 UNF  | 67 | 17 | 9     | 400      | S11701220C  |
| 9/16"-18 UNF | 68 | 19 | 9     | 315      | S11709161C  |

### Minipresa con raccordo femmina girevole sede JIC 37° M 16x2

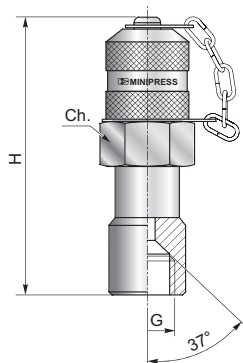
#### Female swivel test coupling - JIC 37° M 16x2



| G            | H  | Ch | Ch 1 | PN [bar] | Codice/Ref. |
|--------------|----|----|------|----------|-------------|
| 7/16"-20 UNF | 57 | 17 | 14   | 630      | S11507163C  |
| 1/2"-20 UNF  | 55 | 17 | 17   | 400      | S11512203C  |
| 9/16"-18 UNF | 52 | 17 | 17   | 315      | S11509163C  |
| 3/4"- 16 UNF | 59 | 19 | 22   | 315      | S11506163C  |
| 7/8"- 14 UNF | 64 | 24 | 27   | 315      | S11507083C  |

### Minipresa con raccordo femmina fisso sede JIC 37° M 16x2

#### Female fixed test coupling - JIC 37° M 16x2



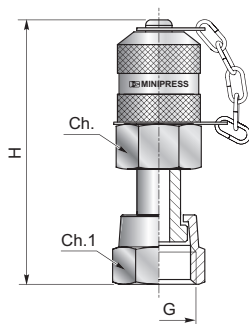
| G             | H  | Ch | PN [bar] | Codice/Ref. |
|---------------|----|----|----------|-------------|
| 7/16"-20 UNF  | 63 | 19 | 630      | S115071FFC  |
| 1/2"-20 UNF   | 63 | 19 | 400      | S115012FFC  |
| 9/16"-18 UNF* | 66 | 19 | 315      | S115091FFC  |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



**Minipresa con raccordo femmina girevole O.R.F.S. M 16x2**

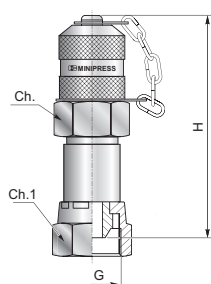
**O.R.F.S female swivel test coupling M 16x2**



| G             | H  | Ch | Ch 1 | PN [bar] | Codice/Ref. |
|---------------|----|----|------|----------|-------------|
| 9/16"-18 UNF  | 60 | 17 | 17   | 630      | S115916FSC  |
| 11/16"-16 UNF | 62 | 17 | 22   | 630      | S115116FSC  |
| 13/16"-16 UNF | 65 | 19 | 24   | 630      | S115131FSC  |

**Minipresa di pressione femmina girevole M 16x2**

**Female swivel check-coupling M 16x2**

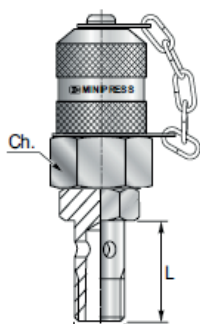


| G               | H  | Ch | Ch 1 | PN [bar] | Codice/Ref. |
|-----------------|----|----|------|----------|-------------|
| ISO 228 G 1/4"* | 48 | 19 | 17   | 400      | S115914G0C  |
| ISO 228 G 3/8"  | 48 | 19 | 22   | 400      | S115938G0C  |

\* Disponibili in acciaio inossidabile/ Available in Stainless steel

**Minipresa filettata M 16x2 con dado forato**

**Threaded test coupling M 16x2 banjo screw**



| G              | H  | L  | Ch | PN [bar] | Codice/Ref. |
|----------------|----|----|----|----------|-------------|
| ISO 228 G 1/4" | 60 | 26 | 19 | 630      | S142R2HS0C  |

**Innesto rapido + minipresa 15QC000C**

**Test quick coupling + test point 15QC000C**



Innesto rapido femmina: innestandolo sul maschio consente il controllo dei parametri della pressione dell'olio in un impianto oleodinamico. Si adatta al sistema di misurazione Mini Press, grazie ad una minipresa con filetto di uscita M 16x2 per attacco a microtubo raccordato o portamanometro, avvitata su di esso.

Female quick coupling: coupling it with the male part to control the parameters of pressure in the hydraulic systems. It has been adapted to the Mini Press diagnostic system through a test coupling male threaded M16X2 (to be connected to a hose assembly or a gauge adapter), screwed on it.

**Norma:** ISO 15171-2

**Applicazione:** diagnostica impianti oleodinamici

**Pressione di esercizio:** 400 bar

**Materiale:** acciaio zincato

**Tenuta:** NBR

**Norm:** ISO 15171-2

**Application:** diagnostic on hydraulic systems

**Working pressure:** 400 bar

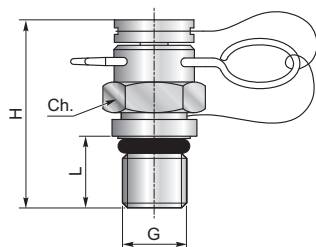
**Material:** zinc steel

**Seal:** NBR

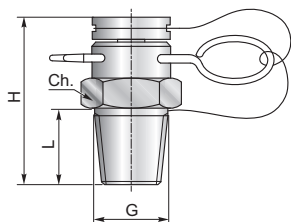


## Minipresa con innesto a baionetta

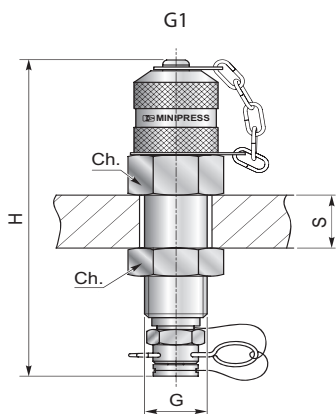
### Plug-in test coupling



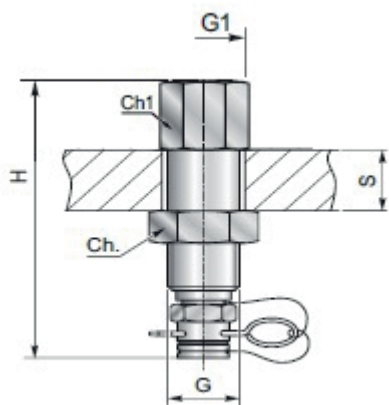
| G                                                                       | H  | L   | Ch | PN [bar] | Tenuta/Seal                 | Codice/Ref. |
|-------------------------------------------------------------------------|----|-----|----|----------|-----------------------------|-------------|
| Filettatura: metrica cilindrica / Thread: metric parallel (UNI 4535-64) |    |     |    |          |                             |             |
| M 8x1                                                                   | 26 | 8.5 | 12 | 250      | O-Ring type <b>A</b>        | 51000000    |
| M 10x1                                                                  | 26 | 8.5 | 14 | 400      |                             | 51100000    |
| ISO 228 G1/4"                                                           | 34 | 12  | 19 | 400      | Metal Sealing Edge <b>B</b> | 5114G000    |



| G                                                                                 | H  | L  | Ch | PN [bar] | Tenuta/Seal   | Codice/Ref. |
|-----------------------------------------------------------------------------------|----|----|----|----------|---------------|-------------|
| Filettatura: gas conica / Thread: B.S.P. taper (UNI ISO 7/1)                      |    |    |    |          |               |             |
| ISO 7/1 R1/8"                                                                     | 26 | 10 | 12 | 400      | Type <b>D</b> | 51800000    |
| Filettatura: gas conica / Threaded: B.S.P. taper NPTF (ANSI/ASME B.1.20.1 - 1983) |    |    |    |          |               |             |
| 1/8" NPTF                                                                         | 26 | 10 | 12 | 400      | Type <b>D</b> | 51900000    |



| G1                                             | H    | Ch | S max | PN [bar] | Codice/Ref. |
|------------------------------------------------|------|----|-------|----------|-------------|
| Minipresa passaparete / Bulkhead test coupling |      |    |       |          |             |
| M 16x2                                         | 86.5 | 19 | 25    | 400      | S123PPIB0C  |



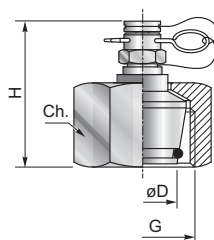
| G1              | H  | Ch | Ch1 | S max | PN [bar] | Codice/Ref. |
|-----------------|----|----|-----|-------|----------|-------------|
| ISO 228 G1/4" # | 63 | 19 | 19  | 25    | 400      | 1814000B    |
| ISO 228 G1/2" # | 72 | 19 | 27  | 25    | 400      | 1812000B    |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring



Minipressa con innesto a baionetta tipo DKO codolo conico 24° con O-Ring

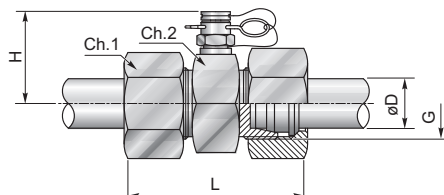
Plug-in test coupling with 24° O-Ring sealing cone DKO type



| Serie / Series | D  | G        | H  | Ch | PN [bar] | Codice/Ref. |
|----------------|----|----------|----|----|----------|-------------|
| L              | 8  | M 14x1.5 | 39 | 17 | 250      | 1014X15B    |
|                | 10 | M 16x1.5 | 39 | 19 | 250      | 1016X15B    |
|                | 12 | M 18x1.5 | 39 | 22 | 250      | 1018X15B    |
|                | 15 | M 22x1.5 | 39 | 27 | 250      | 1022X15B    |
|                | 18 | M 26x1.5 | 39 | 32 | 160      | 1026X15B    |
|                | 22 | M 30x2   | 39 | 36 | 160      | 1030X20B    |
|                | 28 | M 35x2   | 40 | 41 | 100      | 1035X20B    |
|                | 35 | M 45x2   | 42 | 50 | 100      | 1045X20B    |
| S              | 42 | M 52x2   | 45 | 60 | 100      | 1052X20B    |
|                | 10 | M 18x1.5 | 39 | 22 | 630      | 1118X15B    |
|                | 12 | M 20x1.5 | 39 | 24 | 630      | 1120X15B    |
|                | 14 | M 22x1.5 | 39 | 27 | 400      | 1122X15B    |
|                | 16 | M 24x1.5 | 40 | 30 | 400      | 1124X15B    |
|                | 20 | M 30x2   | 42 | 36 | 400      | 1130X20B    |
|                | 25 | M 36x2   | 44 | 46 | 400      | 1136X20B    |
|                | 30 | M 42x2   | 44 | 50 | 250      | 1142X20B    |
|                | 38 | M 52x2   | 44 | 60 | 250      | 1152X20B    |

Minipressa a baionetta raccordo intermedio diritto per tubo metallico

Plug-in straight test coupling for metal pipe fitting



| Serie / Series                     | D  | G        | H    | L  | Ch 1 | Ch 2 | PN [bar] | Codice/Ref. |
|------------------------------------|----|----------|------|----|------|------|----------|-------------|
| Raccordi ad anello / Ring fittings |    |          |      |    |      |      |          |             |
| L                                  | 6  | M 12x1.5 | 29   | 51 | 14   | 24   | 315      | 1306000B    |
|                                    | 8  | M 14x1.5 | 29   | 51 | 17   | 24   | 315      | 1308000B    |
|                                    | 10 | M 16x1.5 | 29   | 53 | 19   | 24   | 315      | 1310000B    |
|                                    | 12 | M 18x1.5 | 29   | 53 | 22   | 24   | 315      | 1312000B    |
|                                    | 15 | M 22x1.5 | 30.5 | 55 | 27   | 27   | 315      | 1315000B    |
|                                    | 18 | M 26x1.5 | 33   | 57 | 32   | 32   | 315      | 1318000B    |
|                                    | 22 | M 30x2   | 33   | 61 | 36   | 32   | 160      | 1322000B    |
|                                    | 28 | M 36x2   | 37.5 | 61 | 41   | 41   | 160      | 1328000B    |
|                                    | 35 | M 45x2   | 40   | 69 | 50   | 46   | 160      | 1335000B    |
|                                    | 42 | M 52x2   | 44.5 | 71 | 60   | 55   | 160      | 1342000B    |
| S                                  | 6  | M 14x1.5 | 29   | 55 | 17   | 24   | 630      | 1406000B    |
|                                    | 8  | M 16x1.5 | 29   | 55 | 19   | 24   | 630      | 1408000B    |
|                                    | 10 | M 18x1.5 | 29   | 57 | 22   | 24   | 630      | 1410000B    |
|                                    | 12 | M 20x1.5 | 29   | 57 | 24   | 24   | 630      | 1412000B    |
|                                    | 14 | M 22x1.5 | 29   | 63 | 27   | 24   | 630      | 1414000B    |
|                                    | 16 | M 24x1.5 | 32   | 63 | 30   | 27   | 400      | 1416000B    |
|                                    | 20 | M 30x2   | 33   | 69 | 36   | 32   | 400      | 1420000B    |
|                                    | 25 | M 36x2   | 37.5 | 75 | 46   | 41   | 400      | 1425000B    |
|                                    | 30 | M 42x2   | 40   | 81 | 50   | 46   | 400      | 1430000B    |
|                                    | 38 | M 52x2   | 44.5 | 89 | 60   | 55   | 315      | 1438000B    |



## Adattatori per manometro

### Pressure gauge adapters

#### Opzioni / Options

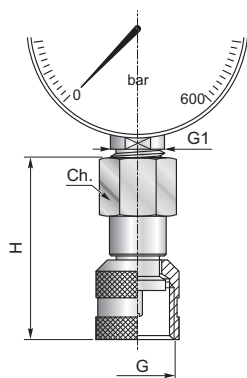
##### Smorzatore di pressione a richiesta / Pressure damper on request

Opzione non prevista per tutte le tipologie / This option is not provided for all the models

**S**

Sostituire la lettera S allo 0  
Replace "0" with "S"

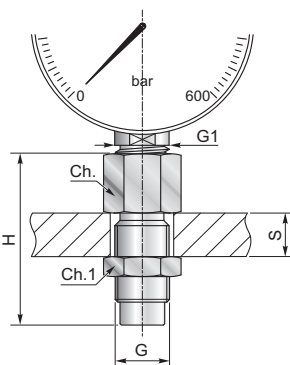
xxxxxxS



| G                                                          | G1             | H    | Ch | PN [bar] | Codice/Ref. |
|------------------------------------------------------------|----------------|------|----|----------|-------------|
| Porta manometro connessione diretta / Direct gauge adapter |                |      |    |          |             |
| M 16x2                                                     | ISO 228 G 1/8" | 50   | 17 | 630      | 20180000    |
| M 16x2*#                                                   | ISO 228 G 1/4" | 50   | 19 | 630      | 20140000    |
| M 16x2*#                                                   | ISO 228 G 1/2" | 55   | 27 | 630      | 20120000    |
| M 16x1.5*#                                                 | ISO 228 G 1/4" | 50   | 19 | 630      | 20141500    |
| M 16x1.5                                                   | ISO 228 G 1/2" | 55   | 27 | 630      | 20121500    |
| M12.65x1.5                                                 | ISO 228 G 1/4" | 43   | 19 | 630      | 20141200    |
| S12.65x1.5                                                 | ISO 228 G 1/2" | 48   | 27 | 630      | 20121200    |
| M 16x2*                                                    | 1/4" - 18 NPTF | 51.5 | 19 | 630      | 2014NPT0    |
| M12.65x1.5                                                 | 1/4" - 18 NPTF | 50   | 19 | 630      | 201412NPT   |

\* Disponibili in acciaio inossidabile / Available in Stainless steel

#Disponibile tenuta per sensore o manometro digitale / Available sensor or digital gauge sealing



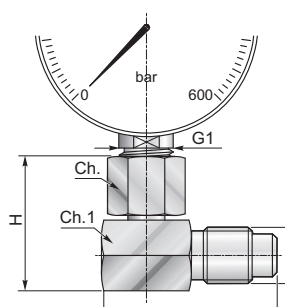
| G                                                                | G1             | H    | Ch | Ch 1 | S max | PN [bar] | Codice/Ref. |
|------------------------------------------------------------------|----------------|------|----|------|-------|----------|-------------|
| Porta manometro passaparete / Bulkhead pressure gauge connection |                |      |    |      |       |          |             |
| M 16x2*                                                          | ISO 228 G 1/4" | 46   | 19 | 19   | 11    | 630      | 18140000    |
| M 16x2*                                                          | ISO 228 G 1/2" | 57   | 27 | 19   | 13    | 630      | 18120000    |
| M 16x1.5                                                         | ISO 228 G 1/4" | 46.5 | 19 | 19   | 11    | 630      | 18141500    |
| M 12.65x1.5                                                      | ISO 228 G 1/4" | 52.5 | 19 | 19   | 11    | 630      | 18141200    |
| M 16x1.5                                                         | ISO 228 G 1/2" | 57   | 27 | 19   | 13    | 630      | 18121500    |
| M 12.65x1.5                                                      | ISO 228 G 1/2" | 57   | 27 | 19   | 13    | 630      | 18121200    |
| M 16x2*                                                          | 1/4" - 18 NPTF | 48   | 19 | 19   | 11    | 630      | 1814NPT0    |

\* Disponibili in acciaio inossidabile / Available in Stainless steel

N.B. : passaggio libero senza valvola / Please note: free passage, without check valve

Opzioni/Options

**S**



| G                                                                            | G1             | H  | L  | Ch | Ch 1 | PN [bar] | Codice/Ref. |
|------------------------------------------------------------------------------|----------------|----|----|----|------|----------|-------------|
| Porta manometro orientabile 90° / Swivel pressure gauge connection 90° angle |                |    |    |    |      |          |             |
| M 16x2                                                                       | ISO 228 G 1/4" | 36 | 42 | 19 | 19   | 630      | 21140000    |
| M 16x2                                                                       | ISO 228 G 1/2" | 44 | 42 | 27 | 19   | 630      | 21120000    |
| M 16x1.5                                                                     | ISO 228 G 1/4" | 36 | 42 | 19 | 19   | 630      | 21141500    |
| M 16x1.5                                                                     | ISO 228 G 1/2" | 44 | 42 | 27 | 19   | 630      | 21121500    |

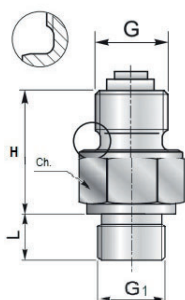
N.B. : passaggio libero senza valvola / Please note: free passage, without check valve

Opzioni/Options

**S**

## Adattatori

### Adapters



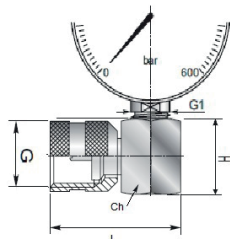
| G                | G1                 | H    | L  | Ch | PN [bar] | Codice/Ref. |
|------------------|--------------------|------|----|----|----------|-------------|
| ISO 228 G 1/4" # | ISO 228 G 1/4" 60° | 33.5 | 11 | 17 | 630      | 251414MZ    |
| ISO 228 G 1/4" # | ISO 7/1 1/4"       | 36.5 | 12 | 17 | 630      | 2514RG00    |

#Filetto maschio come manometro analogico / analog male gauge sealing

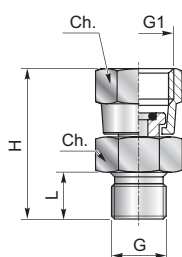


## Adattatori

### Adapters



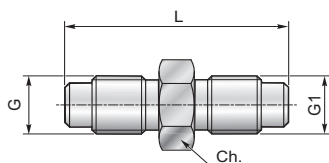
| G                                                               | G1             | H  | L  | Ch | PN [bar] | Codice/Ref. |
|-----------------------------------------------------------------|----------------|----|----|----|----------|-------------|
| Porta manometro fisso 90° / Pressure gauge connection 90° angle |                |    |    |    |          |             |
| M 16x2                                                          | ISO 228 G 1/2" | 38 | 51 | 27 | 630      | 24GG12F001  |



| G                                        | G1             | H    | L  | Ch | PN [bar] | Tenuta/Seal | Codice/Ref. |
|------------------------------------------|----------------|------|----|----|----------|-------------|-------------|
| Adattatore per manometro / Gauge adapter |                |      |    |    |          |             |             |
| ISO 228 G 1/4"                           | ISO 228 G 1/4" | 37   | 12 | 17 | 400      | *           | 1814M000    |
| ISO 228 G 1/2"                           | ISO 228 G 1/2" | 52   | 14 | 27 | 400      | *           | 1812M000    |
| ISO 228 G 1/4"                           | ISO 228 G 1/2" | 49   | 12 | 27 | 400      | *           | 1812M140    |
| ISO 228 G 1/4"                           | ISO 228 G 1/8" | 37   | 12 | 19 | 400      | *           | 1814M700    |
| ISO 7/1 R 1/4"                           | ISO 228 G 1/4" | 35   | 12 | 17 | 400      | *           | 1814MBSPT   |
| ISO 7/1 R 1/2"                           | ISO 228 G 1/2" | 52   | 16 | 27 | 400      | *           | 1812MBSPT   |
| ISO 7/1 R 1/4"                           | ISO 228 G 1/2" | 46.5 | 12 | 22 | 400      | *           | 1824MBSPT   |
| ISO 228 G 3/8"                           | ISO 228 G 1/2" | 49.5 | 12 | 27 | 400      | *           | 1812M380    |

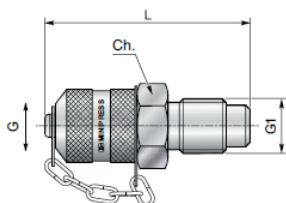
\* Disponibili in acciaio inossidabile / Available in Stainless steel

Rondella di rame per tenuta filetto maschio su richiesta / Copper washer for male thread sealing on request

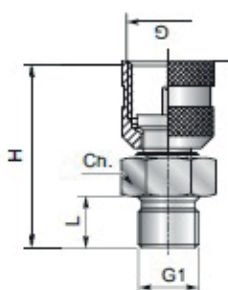


| G                                                                                                                 | G1       | L  | Ch | PN [bar] | Codice/Ref. |
|-------------------------------------------------------------------------------------------------------------------|----------|----|----|----------|-------------|
| Adattatore diritto per giunzione tubi. Passaggio libero<br>Straight adapter for connection of hoses. Free passage |          |    |    |          |             |
| M 16x2                                                                                                            | M 16x2   | 48 | 17 | 630      | 40GD0000    |
| M 16x1.5                                                                                                          | M 16x2   | 48 | 17 | 630      | 40GD1500    |
| M 16x1.5*                                                                                                         | M 16x1.5 | 48 | 17 | 630      | 40GD1515    |

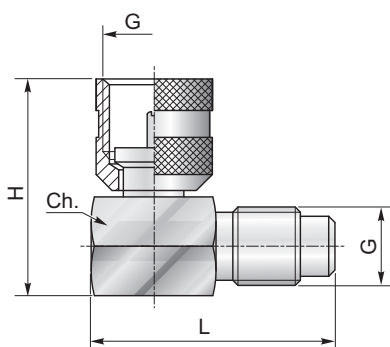
\* Disponibili in acciaio inossidabile / Available in Stainless steel



| G                                                                                      | G1     | L  | Ch | PN [bar] | Codice/Ref. |
|----------------------------------------------------------------------------------------|--------|----|----|----------|-------------|
| Adattatore diritto con valvola di non ritorno / Straight adapter with non-return valve |        |    |    |          |             |
| M 16x2                                                                                 | M 16x2 | 57 | 17 | 630      | 41GV000C    |



| G                                                                            | G1             | H  | L  | Ch | PN [bar] | Codice/Ref. |
|------------------------------------------------------------------------------|----------------|----|----|----|----------|-------------|
| Adattatore minipresa. Passaggio libero / Test coupling adapter. Free passage |                |    |    |    |          |             |
| M 16x2                                                                       | ISO 228 G 1/4" | 48 | 12 | 19 | 400      | 23GG1400    |
| M 16x1.5                                                                     | ISO 228 G 1/4" | 48 | 12 | 19 | 400      | 23GG1415    |

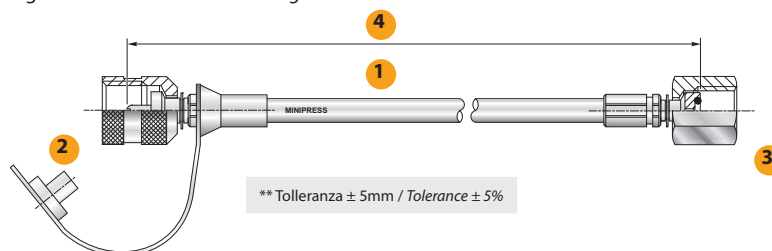


| G                                                                                          | H  | L  | Ch | PN [bar] | Codice/Ref. |
|--------------------------------------------------------------------------------------------|----|----|----|----------|-------------|
| Adattatore minipresa 90°. Passaggio libero / 90° Test coupling adapter. Free passage       |    |    |    |          |             |
| M 16x2                                                                                     | 45 | 42 | 19 | 630      | 24GG0000    |
| M 16x1.5                                                                                   | 45 | 42 | 19 | 630      | 24GG1500    |
| Opzione con valvola a pistone su filetto maschio / Option with poppet valve in male thread |    |    |    |          |             |
| M 16x2                                                                                     | 45 | 42 | 19 | 630      | S124GG0000  |
| M 16x1.5                                                                                   | 45 | 42 | 19 | 630      | S124GG1500  |


**Come ordinare un tubo raccordato**
**How to order a hose assembly**

| Codice ordine / Order code |          |          |       |
|----------------------------|----------|----------|-------|
| RD2                        | 31TTN000 | 36140000 | L1500 |

- 1** Tipologia di tubo / hose type  
**2** Codice raccordo 1 \* / Fitting 1 part number \*  
**3** Codice raccordo 2 \* / Fitting 2 part number \*  
**4** Lunghezza tubo in mm / Hose length in mm \*\*



\* I codici indicati nelle tabelle del catalogo, secondo nostro standard, descrivono articoli in acciaio carbonio con tenute in NBR. Per differenti opzioni si veda la pagina seguente / The codes in the catalogue's charts, according to our standard configuration, are produced in carbon steel and assembled with NBR sealing. For different options please refer to the following page.

**Configurazione tubo raccordato standard** Per tipologie di raccordi e lunghezze differenti si prega di contattare il ns ufficio commerciale

**Hose assembly standard configuration**

For different fittings and lengths please contact our sales office

| Scelta della tipologie di tubo / Choose the hose type                                                                                                                     |                     |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| RD2                                                                                                                                                                       | RD3                 | RD4                 |
| Opzione standard 1: ambo i lati raccordo femmina dritto M16X2 / Standard option 1: both ends straight female fitting M16X2                                                |                     |                     |
| 31TTN000 - 31TTN000                                                                                                                                                       | 31TTN003 - 31TTN003 | 31TTN004 - 31TTN004 |
| Opzione 2: raccordo femmina dritto M16X2 + femmina dritto 1/4" per manometro analogico / Option 2: straight female fittings M16X2 + straight female 1/4" per analog gauge |                     |                     |
| 31TTN000 - 36140000                                                                                                                                                       | 31TTN003 - 3614OR03 | 31TTN004 - 3614OR04 |
| Opzione 3: raccordo ambo i lati femmina dritta M16X1,5 / Option 3: both ends straight female fitting 16X1,5                                                               |                     |                     |
| 31TTS000 - 31TTS000                                                                                                                                                       | 31TTS003 - 31TTS003 | 31TTS004 - 31TTS004 |
| Opzione 4: ambo i lati raccordo femmina dritto M12,65X1,5 / Option 4: both ends straight female fitting M12,65X1,5                                                        |                     |                     |
| 31S12000 - 31S12000                                                                                                                                                       | 31S12003 - 31S12003 | 31S12004 - 31S12004 |
| Opzione 5: raccordo ambo i lati attacco dritto baionetta / Option 5: both ends straight plug in connection                                                                |                     |                     |
| 33TD0000 - 33TD0000                                                                                                                                                       | 33TD0003 - 33TD0003 | 33TD0004 - 33TD0004 |
| Si prega di scegliere tra le seguenti lunghezze standard in mm / Please choose among the following standard lengths in mm                                                 |                     |                     |
| L200 - L400 - L630 - L800 - L1000 - L1500 - L2000 - L2500 - L3000 - L3500 - L4000 mm                                                                                      |                     |                     |

**Normativa di riferimento**
**Reference regulations**

| Riferimento tubo / Hose code                                                                                                                                                                                      |                                                       |            |            |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------|------------|------------|
| RD2 - RD3 - RD4                                                                                                                                                                                                   |                                                       |            |            |            |
| Adatto per passaggio di oli minerali, oli idraulici tipo ASTM 3, benzine. Resistenza chimica all'olio per freni (tipo DOT 4)<br>For mineral and hydraulic oil, type ASTM 3. fuel. Brake systems oil (type DOT 4). |                                                       |            |            |            |
|                                                                                                                                                                                                                   |                                                       | RD2        | RD3        | RD4        |
| Diametro esterno / Outside diameter                                                                                                                                                                               | [mm]                                                  | 5          | 6          | 8          |
| Diametro interno / Inside diameter                                                                                                                                                                                | [mm]                                                  | 2.2        | 3          | 4          |
| Pressione max. di lavoro / Max. working pressure                                                                                                                                                                  | [bar]                                                 | 630        | 500        | 500        |
| Pressione minima di scoppio / Min. bursting pressure                                                                                                                                                              | [bar]                                                 | 1890       | 1500       | 1500       |
| Raggio minimo / Min. bending radius                                                                                                                                                                               | [mm]                                                  | 20         | 25         | 35         |
| Temperature di esercizio / Working temperature                                                                                                                                                                    | °C                                                    | -40...+100 | -40...+100 | -40...+100 |
| Materiale anima / Core material                                                                                                                                                                                   | Poliestere termoplastico / Thermoplastic polyester    |            |            |            |
| Materiale treccia / Braid material                                                                                                                                                                                | Fibra aramidica / Aramidic fibre                      |            |            |            |
| Ricopertura est. / Cover material                                                                                                                                                                                 | Poliuretano antiabrasione / Antiabrasion polyurethane |            |            |            |
| NS Codice / Our P/N                                                                                                                                                                                               |                                                       | 00RSD200   | 00RSD300   | 00RSD400   |



**Tubo capillare per alta pressione e raccordi**

**Micro hose for high pressure and fittings**



### Opzioni di produzione e assemblaggio

#### Production and assembly options

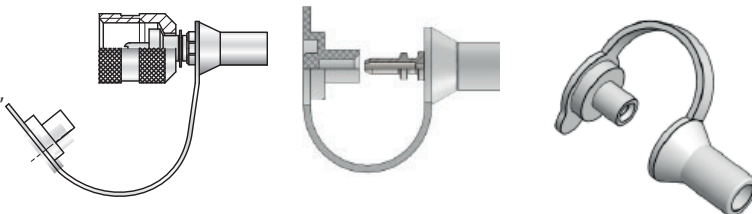
**-AI** Acciaio inossidabile:  
codice raccordo o tubo + "-AI"  
Stainless steel:  
fitting or hose assembly code + "-AI"

**-V** Guarnizioni in FKM:  
codice raccordo o tubo + "-V"  
FKM sealing:  
fitting or hose assembly code + "-V"

**-E** Guarnizioni in EPDM:  
codice raccordo o tubo + "-E"  
EPDM sealing:  
fitting or hose assembly code + "-E"

### Cappuccio parapolvere in plastica per raccordi RD2 e RD4 F16X2, 16X1.5, S12,65X1,65 e baionetta

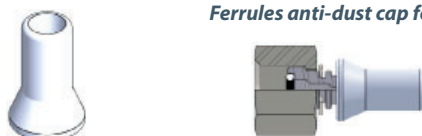
#### Anti-dust plastic cap suitable for RD2 and RD4 F16X2, 16X1.5, S12,65X1,65 and plug-in fittings



**Codice/Ref.**  
**32CP0000**  
**32CP0004**

### Parapolvere protettivo per boccola in plastica per raccordi RD2 e RD4

#### Ferrules anti-dust cap for RD2 and RD4 fittings

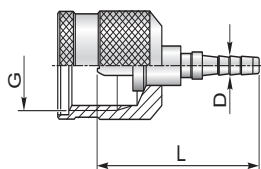


**Codice/Ref.**  
**32CS0000**  
**32CS0004**

I tubi capillari RD2 e RD4 raccordati sono sempre dotati di parapolvere 32CP000X e/o 32CS000X.  
In caso di acquisto di raccordi sciolti, i parapolvere 32CP000X e/o 32CS000X sono inclusi nel codice del raccordo.  
*RD2 and RD4 hose assemblies are always complete with the anti-dust caps 32CP000X and/or 32CS000X. In case of purchase of loose fittings, the anti-dust caps 32CP000X and/or 32CS000X are included in the fitting's part number.*

### Raccordo connessione avvitabile per miniprese

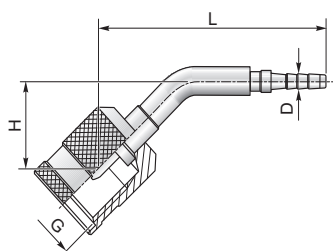
#### Test coupling threaded female fitting



| Tubo / Hose | G          | L    | D   | Codice/Ref.     |
|-------------|------------|------|-----|-----------------|
| <b>RD2</b>  | M16x2*     | 32.5 | 2.0 | <b>31TTN000</b> |
|             | M16x1.5*   | 32.5 | 2.0 | <b>31TTS000</b> |
|             | M12.65x1.5 | 32.5 | 2.0 | <b>31S12000</b> |
| <b>RD3</b>  | M16x2      | 37.2 | 3.0 | <b>31TTN003</b> |
|             | M16x1.5    | 37.2 | 3.0 | <b>31TTS003</b> |
|             | M12.65x1.5 | 37.2 | 3.0 | <b>31S12003</b> |
| <b>RD4</b>  | M16x2*     | 36.5 | 4.0 | <b>31TTN004</b> |
|             | M16x1.5*   | 36.5 | 4.0 | <b>31TTS004</b> |
|             | M12.65x1.5 | 36.5 | 4.0 | <b>31S12004</b> |

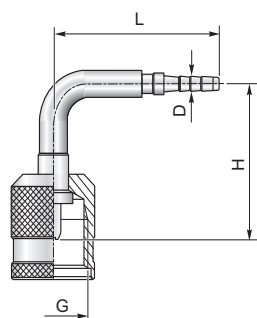
\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

**45°**



| Tubo / Hose | G          | L  | H    | D   | Codice/Ref.     |
|-------------|------------|----|------|-----|-----------------|
| <b>RD2</b>  | M16x2      | 48 | 18   | 2.0 | <b>31TTN040</b> |
|             | M16x1.5    | 48 | 18   | 2.0 | <b>31TTS040</b> |
|             | M12.65x1.5 | 48 | 18   | 2.0 | <b>31S12040</b> |
| <b>RD3</b>  | M16x2      | 48 | 18.5 | 3.0 | <b>31TTN043</b> |
|             | M16x1.5    | 48 | 18.5 | 3.0 | <b>31TTS043</b> |
|             | M12.65x1.5 | 48 | 18.5 | 2.0 | <b>31S12043</b> |
| <b>RD4</b>  | M16x2      | 53 | 18.5 | 4.0 | <b>31TTN044</b> |
|             | M16x1.5    | 53 | 18.5 | 4.0 | <b>31TTS044</b> |
|             | M12.65x1.5 | 53 | 18.5 | 4.0 | <b>31S12044</b> |

**90°**



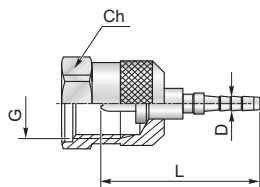
| Tubo / Hose | G          | L    | H    | D   | Codice/Ref.     |
|-------------|------------|------|------|-----|-----------------|
| <b>RD2</b>  | M16x2*     | 34.5 | 31.0 | 2.0 | <b>31TTN090</b> |
|             | M16x1.5    | 34.5 | 31.0 | 2.0 | <b>31TTS090</b> |
|             | M12.65x1.5 | 34.5 | 31   | 2.0 | <b>31S12090</b> |
| <b>RD3</b>  | M16x2      | 34.5 | 31.0 | 3.0 | <b>31TTN093</b> |
|             | M16x1.5    | 34.5 | 31.0 | 3.0 | <b>31TTS093</b> |
|             | M12.65x1.5 | 34.5 | 31   | 3.0 | <b>31S12093</b> |
| <b>RD4</b>  | M16x2      | 34.5 | 31.0 | 4.0 | <b>31TTN094</b> |
|             | M16x1.5    | 34.5 | 31.0 | 4.0 | <b>31TTS094</b> |
|             | M12.65x1.5 | 34.5 | 31   | 4.0 | <b>31S12094</b> |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



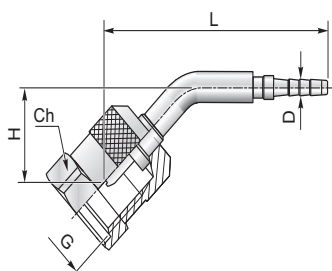
### Raccordo connessione avvitabile per miniprese con dado esagonale

#### Test coupling threaded female fitting with hexagonal nut

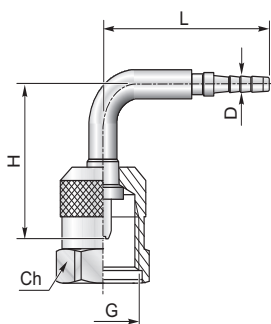


| Tubo / Hose | G       | L    | Ch | D   | Codice/Ref. |
|-------------|---------|------|----|-----|-------------|
| RD2         | M16x2*  | 32.5 | 19 | 2.0 | 31TTN600    |
|             | M16x1.5 | 32.5 | 19 | 2.0 | 31TTS600    |
| RD3         | M16x2   | 37.2 | 19 | 3.0 | 31TTN603    |
|             | M16x1.5 | 37.2 | 19 | 3.0 | 31TTS603    |
| RD4         | M16x2   | 36.5 | 19 | 4.0 | 31TTN604    |
|             | M16x1.5 | 36.5 | 19 | 4.0 | 31TTS604    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



| 45°         |         |    |      |    |     |             |
|-------------|---------|----|------|----|-----|-------------|
| Tubo / Hose | G       | L  | H    | Ch | D   | Codice/Ref. |
| RD2         | M16x2   | 48 | 18   | 19 | 2.0 | 31TTN640    |
|             | M16x1.5 | 48 | 18   | 19 | 2.0 | 31TTS640    |
| RD3         | M16x2   | 48 | 18.5 | 19 | 3.0 | 31TTN643    |
|             | M16x1.5 | 48 | 18.5 | 19 | 3.0 | 31TTS643    |
| RD4         | M16x2   | 53 | 18.5 | 19 | 4.0 | 31TTN644    |
|             | M16x1.5 | 53 | 18.5 | 19 | 4.0 | 31TTS644    |



| 90°         |         |      |    |    |     |             |
|-------------|---------|------|----|----|-----|-------------|
| Tubo / Hose | G       | L    | H  | Ch | D   | Codice/Ref. |
| RD2         | M16x2   | 34.5 | 31 | 19 | 2.0 | 31TTN690    |
|             | M16x1.5 | 34.5 | 31 | 19 | 2.0 | 31TTS690    |
| RD3         | M16x2   | 34.5 | 31 | 19 | 3.0 | 31TTN693    |
|             | M16x1.5 | 34.5 | 31 | 19 | 3.0 | 31TTS693    |
| RD4         | M16x2   | 34.5 | 31 | 19 | 4.0 | 31TTN694    |
|             | M16x1.5 | 34.5 | 31 | 19 | 4.0 | 31TTS694    |



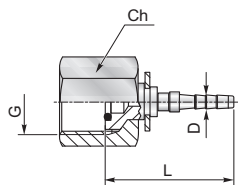
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*



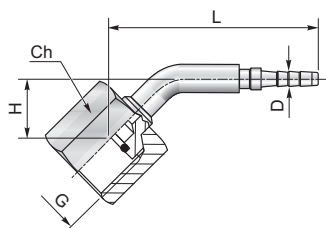
**Raccordo connessione avvitabile per manometro**

*Gauges threaded fitting*



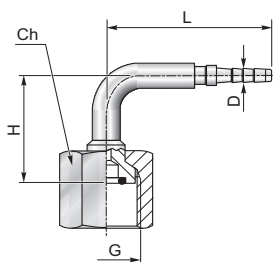
| Tubo / Hose | G       | L    | Ch | D   | Codice/Ref. |
|-------------|---------|------|----|-----|-------------|
| RD2         | G 1/4*  | 26   | 19 | 2.0 | 36140000    |
|             | G 3/8   | 24   | 22 | 2.0 | 36380000    |
|             | G 1/2*  | 33.5 | 27 | 2.0 | 36120000    |
|             | M12X1.5 | 26   | 14 | 2.0 | 36M20000    |
|             | M14X1.5 | 26   | 19 | 2.0 | 36M40000    |
|             | M20X1.5 | 33.5 | 24 | 2.0 | 36M20R00    |
| RD3         | G 1/4   | 30   | 19 | 3.0 | 36140R03    |
|             | G 1/2   | 37.5 | 27 | 3.0 | 36120R03    |
|             | M20X1.5 | 37.5 | 24 | 3.0 | 36M20R03    |
| RD4         | G 1/4   | 36.5 | 19 | 4.0 | 36140R04    |
|             | G 1/2   | 37.3 | 27 | 4.0 | 36120R04    |
|             | M20X1.5 | 37.3 | 24 | 4.0 | 36M20R04    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



**45°**

| Tubo / Hose | G       | H    | L    | Ch | D   | Codice/Ref. |
|-------------|---------|------|------|----|-----|-------------|
| RD2         | G 1/4   | 14.0 | 47.0 | 19 | 2.0 | 36140040    |
|             | G 1/2   | 21.0 | 54.5 | 27 | 2.0 | 36120040    |
|             | M20X1.5 | 21.0 | 54.5 | 24 | 2.0 | 36M20R40    |
| RD3         | G 1/4   | 14.0 | 47.0 | 19 | 3.0 | 36140R43    |
|             | G 1/2   | 21.0 | 54.5 | 27 | 3.0 | 36120R43    |
|             | M20X1.5 | 21.0 | 54.5 | 24 | 3.0 | 36M20R43    |
| RD4         | G 1/4   | 14.0 | 52.0 | 19 | 4.0 | 36140R44    |
|             | G 1/2   | 21.0 | 59.5 | 27 | 4.0 | 36120R44    |
|             | M20X1.5 | 21.0 | 59.5 | 24 | 4.0 | 36M20R44    |



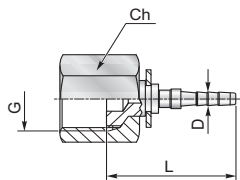
**90°**

| Tubo / Hose | G       | H    | L    | Ch | D   | Codice/Ref. |
|-------------|---------|------|------|----|-----|-------------|
| RD2         | G 1/4   | 25.0 | 38.0 | 19 | 2.0 | 36140090    |
|             | G 1/2   | 37.5 | 41.5 | 27 | 2.0 | 36120090    |
|             | M20X1.5 | 37.5 | 41.5 | 24 | 2.0 | 36M20R90    |
| RD3         | G 1/4   | 25.0 | 38.0 | 19 | 3.0 | 36140R93    |
|             | G 1/2   | 37.5 | 41.5 | 27 | 3.0 | 36120R93    |
|             | M20X1.5 | 37.5 | 41.5 | 24 | 3.0 | 36M20R93    |
| RD4         | G 1/4   | 25.0 | 43.0 | 19 | 4.0 | 36140R94    |
|             | G 1/2   | 37.5 | 46.5 | 27 | 4.0 | 36120R94    |
|             | M20X1.5 | 37.5 | 46.5 | 24 | 4.0 | 36M20R94    |

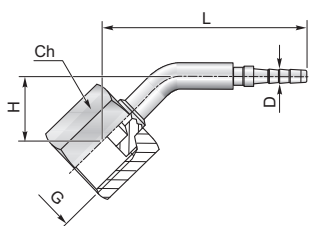


**Raccordo connessione avvitabile per manometro con rondella di rame**

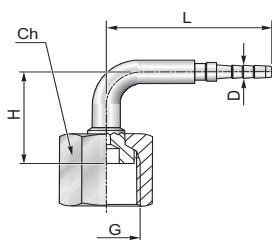
Gauges threaded fitting with copper ring



| Tubo / Hose | G       | L    | Ch | D   | Codice/Ref. |
|-------------|---------|------|----|-----|-------------|
| <b>RD2</b>  | G 1/4   | 26   | 19 | 2.0 | 3614CR00    |
|             | G 1/2   | 33.5 | 27 | 2.0 | 3612CR00    |
|             | M20X1.5 | 33.5 | 24 | 2.0 | 36M2CR00    |
| <b>RD3</b>  | G 1/4   | 30   | 19 | 3.0 | 3614CR03    |
|             | G 1/2   | 37.5 | 27 | 3.0 | 3612CR03    |
|             | M20X1.5 | 37.5 | 24 | 3.0 | 36M2CR03    |
| <b>RD4</b>  | G 1/4   | 36.5 | 19 | 4.0 | 3614CR04    |
|             | G 1/2   | 37.5 | 27 | 4.0 | 3612CR04    |
|             | M20X1.5 | 36.5 | 24 | 4.0 | 36M2CR04    |



| 45°         |         |    |      |    |     |             |
|-------------|---------|----|------|----|-----|-------------|
| Tubo / Hose | G       | H  | L    | Ch | D   | Codice/Ref. |
| <b>RD2</b>  | G 1/4   | 14 | 47   | 19 | 2.0 | 3614CR40    |
|             | G 1/2   | 21 | 54.5 | 27 | 2.0 | 3612CR40    |
|             | M20X1.5 | 21 | 54.5 | 24 | 2.0 | 36M2CR40    |
| <b>RD3</b>  | G 1/4   | 14 | 47   | 19 | 3.0 | 3614CR43    |
|             | G 1/2   | 21 | 54.5 | 27 | 3.0 | 3612CR43    |
|             | M20X1.5 | 21 | 54.5 | 24 | 3.0 | 36M2CR43    |
| <b>RD4</b>  | G 1/4   | 14 | 52   | 19 | 4.0 | 3614CR44    |
|             | G 1/2   | 21 | 59.5 | 27 | 4.0 | 3612CR44    |
|             | M20X1.5 | 21 | 59.5 | 24 | 4.0 | 36M2CR44    |



| 90°         |         |      |      |    |     |             |
|-------------|---------|------|------|----|-----|-------------|
| Tubo / Hose | G       | H    | L    | Ch | D   | Codice/Ref. |
| <b>RD2</b>  | G 1/4   | 25   | 38   | 19 | 2.0 | 3614CR90    |
|             | G 1/2   | 37.5 | 41.5 | 27 | 2.0 | 3612CR90    |
|             | M20X1.5 | 37.5 | 41.5 | 24 | 2.0 | 36M2CR90    |
| <b>RD3</b>  | G 1/4   | 25   | 38   | 19 | 3.0 | 3614CR93    |
|             | G 1/2   | 37.5 | 41.5 | 27 | 3.0 | 3612CR93    |
|             | M20X1.5 | 37.5 | 41.5 | 24 | 3.0 | 36M2CR93    |
| <b>RD4</b>  | G 1/4   | 25   | 43   | 19 | 4.0 | 3614CR94    |
|             | G 1/2   | 37.5 | 46.5 | 27 | 4.0 | 3612CR94    |
|             | M20X1.5 | 37.5 | 46.5 | 24 | 4.0 | 36M2CR94    |



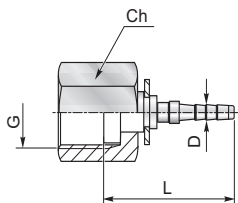
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*

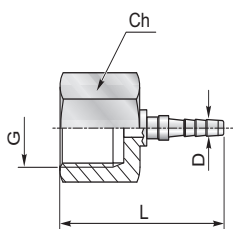


**Raccordo connessione avvitabile per manometro**

*Gauges threaded fitting*

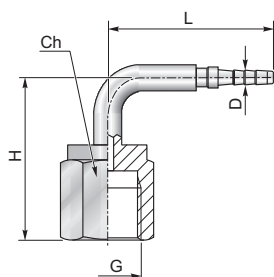


| Tubo / Hose | G     | L    | Ch | D   | Codice/Ref. |
|-------------|-------|------|----|-----|-------------|
| RD2         | G 1/8 | 22.6 | 14 | 2.0 | 4918DF00    |
|             | G 1/4 | 23.5 | 17 | 2.0 | 4914DF00    |
| RD3         | G 1/8 | 26.6 | 14 | 3.0 | 4918DF03    |
|             | G 1/4 | 27.5 | 17 | 3.0 | 4914DF03    |
| RD4         | G 1/8 | 26.6 | 14 | 4.0 | 4918DF04    |
|             | G 1/4 | 27.5 | 17 | 4.0 | 4914DF04    |



| Tubo / Hose | G            | L  | Ch | D   | Codice/Ref. |
|-------------|--------------|----|----|-----|-------------|
| RD2         | 1/4-18 NPTF* | 32 | 19 | 2.0 | 37140000    |
| RD2         | 1/8"-27 NPTF | 30 | 17 | 2.0 | 37180000    |
| RD3         | 1/4-18 NPTF  | 36 | 19 | 3.0 | 37140003    |
| RD4         | 1/4-18 NPTF  | 36 | 19 | 4.0 | 37140004    |

**\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel**



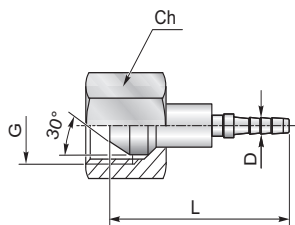
**90°**

| Tubo / Hose | G           | H    | L    | Ch | D   | Codice/Ref. |
|-------------|-------------|------|------|----|-----|-------------|
| RD2         | 1/4-18 NPTF | 34.2 | 43.7 | 19 | 2.0 | 37140090    |
| RD3         | 1/4-18 NPTF | 34.2 | 43.7 | 19 | 3.0 | 37140093    |
| RD4         | 1/4-18 NPTF | 34.2 | 43.7 | 19 | 4.0 | 37140094    |



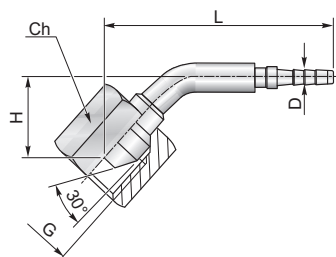
## Raccordo femmina girevole connessione cono 60° tipo DKR

### Swivel female fitting 60° cone connection type DKR



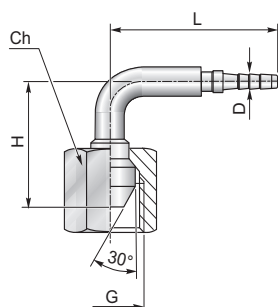
| Tubo / Hose | G       | L  | Ch | D   | Codice/Ref. |
|-------------|---------|----|----|-----|-------------|
| RD2         | G 1/8*  | 24 | 14 | 2.0 | 38180000    |
|             | G 1/4*  | 26 | 17 | 2.0 | 38140000    |
|             | G 3/8   | 29 | 22 | 2.0 | 38380000    |
|             | M14x1.5 | 26 | 17 | 2.0 | 38141500    |
|             | M12x1.5 | 24 | 14 | 2.0 | 38121500    |
| RD3         | G 1/8*  | 28 | 14 | 3.0 | 38180003    |
|             | G 1/4   | 30 | 17 | 3.0 | 38140003    |
|             | M10x1   | 28 | 12 | 3.0 | 38100003    |
| RD4         | G 1/8*  | 28 | 14 | 4.0 | 38180004    |
|             | G 1/4*  | 30 | 17 | 4.0 | 38140004    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



#### 45°

| Tubo / Hose | G     | H  | L    | Ch | D   | Codice/Ref. |
|-------------|-------|----|------|----|-----|-------------|
| RD2         | G 1/8 | 15 | 44.5 | 14 | 2.0 | 38180040    |
|             | G 1/4 | 16 | 47.5 | 17 | 2.0 | 38140040    |
| RD3         | G 1/8 | 15 | 44.5 | 14 | 3.0 | 38180043    |
|             | G 1/4 | 16 | 47.5 | 17 | 3.0 | 38140043    |
| RD4         | G 1/8 | 15 | 49.5 | 14 | 4.0 | 38180044    |
|             | G 1/4 | 16 | 52.5 | 17 | 4.0 | 38140044    |



#### 90°

| Tubo / Hose | G      | H    | L    | Ch | D   | Codice/Ref. |
|-------------|--------|------|------|----|-----|-------------|
| RD2         | G 1/8  | 20   | 34   | 14 | 2.0 | 38180090    |
|             | G 1/4  | 27.5 | 36.5 | 17 | 2.0 | 38140090    |
| RD3         | G 1/8  | 20   | 34   | 14 | 3.0 | 38180093    |
|             | G 1/4  | 27.5 | 36.5 | 17 | 3.0 | 38140093    |
| RD4         | G 1/8  | 20   | 38   | 14 | 4.0 | 38180094    |
|             | G 1/4* | 27.5 | 41.5 | 17 | 4.0 | 38140094    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



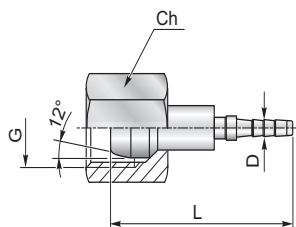
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*

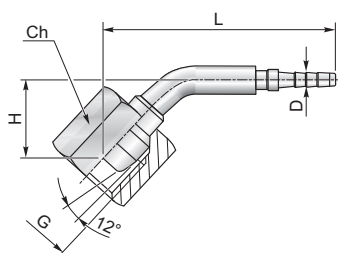


**Raccordo femmina girevole connessione cono 24° tipo DKL**

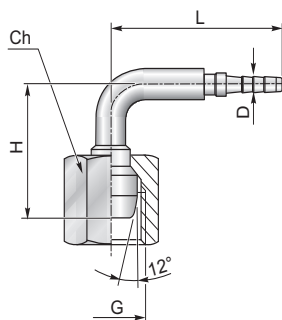
*Swivel female fitting 24° cone connection type DKL*



| Tubo / Hose | Ø  | G       | L    | Ch | D   | Codice/Ref. |
|-------------|----|---------|------|----|-----|-------------|
| RD2         | 6  | M12x1.5 | 31.5 | 14 | 2.0 | 45R00000    |
|             | 8  | M14x1.5 | 37   | 17 | 2.0 | 45R20000    |
|             | 10 | M16x1.5 | 36.5 | 19 | 2.0 | 45R50000    |
| RD3         | 6  | M12x1.5 | 35   | 14 | 3.0 | 45R00003    |
|             | 8  | M14x1.5 | 37   | 17 | 3.0 | 45R20003    |
|             | 10 | M16x1.5 | 37   | 19 | 3.0 | 45R50003    |
| RD4         | 6  | M12x1.5 | 36   | 14 | 4.0 | 45R00004    |
|             | 8  | M14x1.5 | 36   | 17 | 4.0 | 45R20004    |
|             | 10 | M16x1.5 | 41.5 | 19 | 4.0 | 45R50004    |



| 45°         |    |         |      |      |    |     |             |
|-------------|----|---------|------|------|----|-----|-------------|
| Tubo / Hose | Ø  | G       | H    | L    | Ch | D   | Codice/Ref. |
| RD2         | 6  | M12x1.5 | 14.3 | 45   | 14 | 2.0 | 45R00040    |
|             | 8  | M14x1.5 | 16   | 52.3 | 17 | 2.0 | 45R20040    |
|             | 10 | M16x1.5 | 19   | 57.3 | 19 | 2.0 | 45R50040    |
| RD3         | 6  | M12x1.5 | 14.3 | 49.3 | 14 | 3.0 | 45R00043    |
|             | 8  | M14x1.5 | 16   | 56.2 | 17 | 3.0 | 45R20043    |
|             | 10 | M16x1.5 | 19   | 61.4 | 19 | 3.0 | 45R50043    |
| RD4         | 6  | M12x1.5 | 14.3 | 49.3 | 14 | 4.0 | 45R00044    |
|             | 8  | M14x1.5 | 16   | 56.2 | 17 | 4.0 | 45R20044    |
|             | 10 | M16x1.5 | 19   | 61.4 | 19 | 4.0 | 45R50044    |

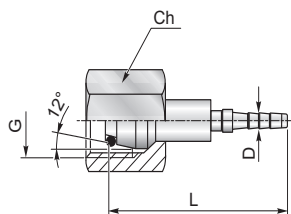


| 90°         |    |         |      |      |    |     |             |
|-------------|----|---------|------|------|----|-----|-------------|
| Tubo / Hose | Ø  | G       | H    | L    | Ch | D   | Codice/Ref. |
| RD2         | 6  | M12x1.5 | 22.5 | 40   | 14 | 2.0 | 45R00090    |
|             | 8  | M14x1.5 | 36.5 | 39.5 | 17 | 2.0 | 45R20090    |
|             | 10 | M16x1.5 | 35.8 | 42.7 | 19 | 2.0 | 45R50090    |
| RD3         | 6  | M12x1.5 | 22.5 | 45   | 14 | 3.0 | 45R00093    |
|             | 8  | M14x1.5 | 36.5 | 43.9 | 17 | 3.0 | 45R20093    |
|             | 10 | M16x1.5 | 35.8 | 46.7 | 19 | 3.0 | 45R50093    |
| RD4         | 6  | M12x1.5 | 22.5 | 45   | 14 | 4.0 | 45R00094    |
|             | 8  | M14x1.5 | 36.5 | 43.9 | 17 | 4.0 | 45R20094    |
|             | 10 | M16x1.5 | 35.8 | 46.7 | 19 | 4.0 | 45R50094    |



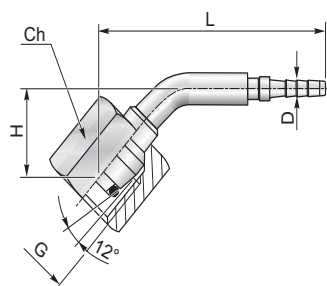
## Raccordo femmina girevole connessione cono 24° tipo DKOL

### Swivel female fitting 24° cone connection type DKOL



| Tubo / Hose | Ø   | G       | L    | Ch | D   | Codice/Ref. |
|-------------|-----|---------|------|----|-----|-------------|
| RD2         | 6*  | M12x1.5 | 31.6 | 14 | 2.0 | 35R00000    |
|             | 8*  | M14x1.5 | 31.6 | 17 | 2.0 | 35R20000    |
|             | 10* | M16x1.5 | 31.5 | 19 | 2.0 | 35R50000    |
|             | 12  | M18x1.5 | 36   | 22 | 2.0 | 35R60000    |
| RD3         | 6   | M12x1.5 | 37   | 14 | 3.0 | 35R00003    |
|             | 8   | M14x1.5 | 35   | 17 | 3.0 | 35R20003    |
|             | 10  | M16x1.5 | 36.5 | 19 | 3.0 | 35R50003    |
| RD4         | 6*  | M12x1.5 | 37   | 14 | 4.0 | 35R00004    |
|             | 8   | M14x1.5 | 36   | 17 | 4.0 | 35R20004    |
|             | 10  | M16x1.5 | 38.5 | 19 | 4.0 | 35R50004    |
|             | 12  | M18x1.5 | 40   | 22 | 4.0 | 35R60004    |

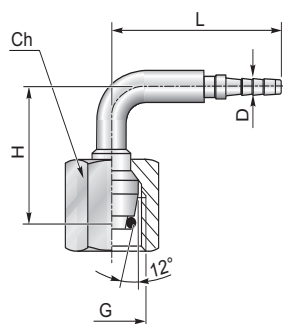
\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



#### 45°

| Tubo / Hose | Ø  | G       | H  | L    | Ch | D   | Codice/Ref. |
|-------------|----|---------|----|------|----|-----|-------------|
| RD2         | 6  | M12x1.5 | 15 | 47.5 | 14 | 2.0 | 35R00040    |
|             | 8  | M14x1.5 | 16 | 52   | 17 | 2.0 | 35R20040    |
|             | 10 | M16x1.5 | 19 | 56   | 19 | 2.0 | 35R50040    |
| RD3         | 6  | M12x1.5 | 15 | 51.5 | 14 | 3.0 | 35R00043    |
|             | 8  | M14x1.5 | 19 | 56   | 17 | 3.0 | 35R20043    |
|             | 10 | M16x1.5 | 19 | 61   | 19 | 3.0 | 35R50043    |
| RD4         | 6* | M12x1.5 | 15 | 51.5 | 14 | 4.0 | 35R00044    |
|             | 8  | M14x1.5 | 19 | 56   | 17 | 4.0 | 35R20044    |
|             | 10 | M16x1.5 | 19 | 61   | 19 | 4.0 | 35R50044    |
|             | 12 | M18x1.5 | 20 | 62   | 22 | 4.0 | 35R60044    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



#### 90°

| Tubo / Hose | Ø  | G       | H  | L    | Ch | D   | Codice/Ref. |
|-------------|----|---------|----|------|----|-----|-------------|
| RD2         | 6  | M12x1.5 | 25 | 35.5 | 14 | 2.0 | 35R00090    |
|             | 8  | M14x1.5 | 36 | 40.5 | 17 | 2.0 | 35R20090    |
|             | 10 | M16x1.5 | 36 | 41.5 | 19 | 2.0 | 35R50090    |
| RD3         | 6  | M12x1.5 | 25 | 39.5 | 14 | 3.0 | 35R00093    |
|             | 8  | M14x1.5 | 36 | 40.5 | 17 | 3.0 | 35R20093    |
|             | 10 | M16x1.5 | 36 | 46.5 | 19 | 3.0 | 35R50093    |
| RD4         | 6* | M12x1.5 | 25 | 39.5 | 14 | 4.0 | 35R00094    |
|             | 8  | M14x1.5 | 36 | 45.5 | 17 | 4.0 | 35R20094    |
|             | 10 | M16x1.5 | 36 | 46.5 | 19 | 4.0 | 35R50094    |
|             | 12 | M18x1.5 | 38 | 48.5 | 22 | 4.0 | 35R60094    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



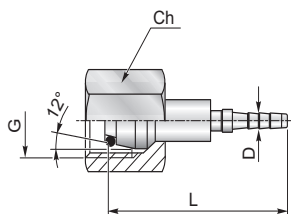
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*

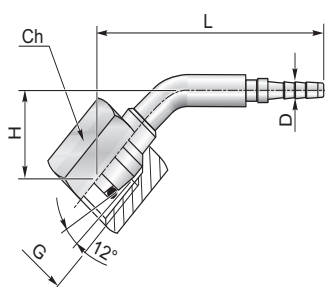


**Raccordo femmina girevole connessione cono 24° tipo DKOLL**

*Swivel female fitting 24° cone connection type DKOLL*

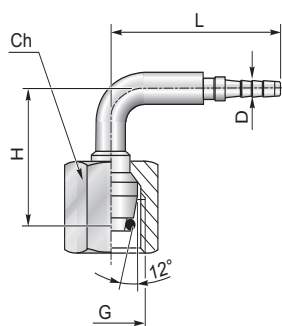


| Tubo / Hose | Ø | G     | L  | Ch | D   | Codice/Ref. |
|-------------|---|-------|----|----|-----|-------------|
| RD2         | 4 | M8x1  | 28 | 10 | 2.0 | 46R00000    |
|             | 6 | M10x1 | 30 | 12 | 2.0 | 46R10000    |
| RD3         | 4 | M8x1  | 32 | 10 | 3.0 | 46R00003    |
|             | 6 | M10x1 | 35 | 12 | 3.0 | 46R10003    |
| RD4         | 4 | M8x1  | 32 | 10 | 4.0 | 46R00004    |
|             | 6 | M10x1 | 34 | 12 | 4.0 | 46R10004    |



**45°**

| Tubo / Hose | Ø | G     | H    | L    | Ch | D   | Codice/Ref. |
|-------------|---|-------|------|------|----|-----|-------------|
| RD2         | 4 | M8x1  | 16.5 | 49   | 10 | 2.0 | 46R00040    |
|             | 6 | M10x1 | 16   | 52.5 | 12 | 2.0 | 46R10040    |
| RD3         | 6 | M10x1 | 16   | 56.5 | 12 | 3.0 | 46R10043    |
| RD4         | 6 | M10x1 | 16   | 56.5 | 12 | 4.0 | 46R10044    |



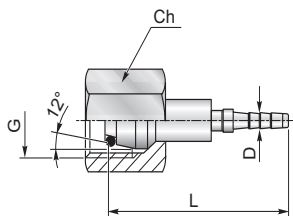
**90°**

| Tubo / Hose | Ø | G     | H  | L  | Ch | D   | Codice/Ref. |
|-------------|---|-------|----|----|----|-----|-------------|
| RD2         | 4 | M8x1  | 28 | 38 | 10 | 2.0 | 46R00090    |
|             | 6 | M10x1 | 26 | 42 | 12 | 2.0 | 46R10090    |
| RD3         | 6 | M10x1 | 26 | 46 | 12 | 3.0 | 46R10093    |
| RD4         | 6 | M10x1 | 26 | 46 | 12 | 4.0 | 46R10094    |



## Raccordo femmina girevole connessione cono 24° tipo DKOS

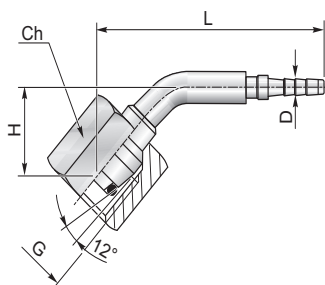
### Swivel female fitting 24° cone connection type DKOS



| Tubo / Hose | Ø   | G       | L    | Ch | D   | Codice/Ref. |
|-------------|-----|---------|------|----|-----|-------------|
| RD2         | 6*  | M14x1.5 | 31.6 | 17 | 2.0 | 35R10000    |
|             | 8*  | M16x1.5 | 31.6 | 19 | 2.0 | 35R30000    |
|             | 10* | M18x1.5 | 31.5 | 22 | 2.0 | 35R40000    |
|             | 12* | M20x1.5 | 36   | 24 | 2.0 | 35R70000    |
| RD3         | 6   | M14x1.5 | 37   | 17 | 3.0 | 35R10003    |
|             | 8   | M16x1.5 | 35   | 19 | 3.0 | 35R30003    |
|             | 10  | M18x1.5 | 37   | 22 | 3.0 | 35R40003    |
| RD4         | 6*  | M14x1.5 | 35.5 | 17 | 4.0 | 35R10004    |
|             | 8*  | M16x1.5 | 38.5 | 19 | 4.0 | 35R30004    |
|             | 10  | M18x1.5 | 40   | 22 | 4.0 | 35R40004    |
|             | 12  | M20x1.5 | 40   | 24 | 4.0 | 35R70004    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

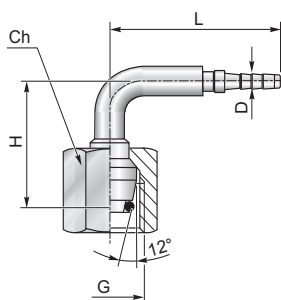
### 45°



| Tubo / Hose | Ø  | G       | H  | L    | Ch | D   | Codice/Ref. |
|-------------|----|---------|----|------|----|-----|-------------|
| RD2         | 6  | M14x1.5 | 15 | 47.5 | 17 | 2.0 | 35R10040    |
|             | 8  | M16x1.5 | 16 | 52   | 19 | 2.0 | 35R30040    |
|             | 10 | M18x1.5 | 19 | 56   | 22 | 2.0 | 35R40040    |
| RD3         | 6  | M14x1.5 | 15 | 51.5 | 17 | 3.0 | 35R10043    |
|             | 8  | M16x1.5 | 19 | 56   | 19 | 3.0 | 35R30043    |
|             | 10 | M18x1.5 | 19 | 61   | 22 | 3.0 | 35R40043    |
| RD4         | 6* | M14x1.5 | 15 | 51.5 | 17 | 4.0 | 35R10044    |
|             | 8  | M16x1.5 | 19 | 56   | 19 | 4.0 | 35R30044    |
|             | 10 | M18x1.5 | 19 | 61   | 22 | 4.0 | 35R40044    |
|             | 12 | M20x1.5 | 20 | 62   | 24 | 4.0 | 35R70044    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

### 90°



| Tubo / Hose | Ø  | G       | H  | L    | Ch | D   | Codice/Ref. |
|-------------|----|---------|----|------|----|-----|-------------|
| RD2         | 6  | M14x1.5 | 25 | 35.5 | 17 | 2.0 | 35R10090    |
|             | 8  | M16x1.5 | 36 | 40.5 | 19 | 2.0 | 35R30090    |
|             | 10 | M18x1.5 | 36 | 41.5 | 22 | 2.0 | 35R40090    |
| RD3         | 6  | M14x1.5 | 25 | 39.5 | 17 | 3.0 | 35R10093    |
|             | 8  | M16x1.5 | 36 | 40.5 | 19 | 3.0 | 35R30093    |
|             | 10 | M18x1.5 | 36 | 46.5 | 22 | 3.0 | 35R40093    |
| RD4         | 6* | M14x1.5 | 25 | 39.5 | 17 | 4.0 | 35R10094    |
|             | 8  | M16x1.5 | 36 | 45.5 | 19 | 4.0 | 35R30094    |
|             | 10 | M18x1.5 | 36 | 46.5 | 22 | 4.0 | 35R40094    |
|             | 12 | M20x1.5 | 38 | 48.5 | 24 | 4.0 | 35R70094    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



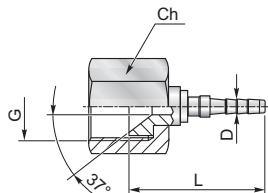
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*



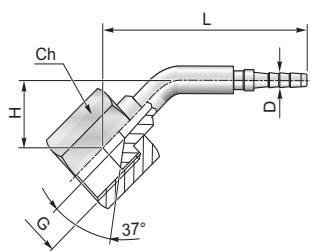
## Raccordo femmina girevole connessione JIC 74° tipo DKJ

*Swivel female fitting JIC 74° connection type DKJ*

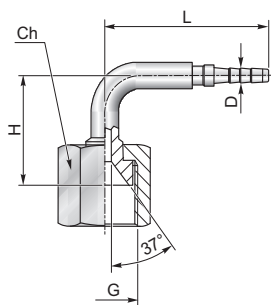


| Tubo / Hose | G            | L    | Ch | D   | Codice/Ref. |
|-------------|--------------|------|----|-----|-------------|
| <b>RD2</b>  | 7/16-20 UNF* | 25   | 14 | 2.0 | 39160000    |
|             | 1/2-20 UNF   | 26   | 17 | 2.0 | 39120000    |
|             | 3/8-24 UNF*  | 24.5 | 12 | 2.0 | 3938J000    |
|             | 9/16-18 UNF  | 28.5 | 17 | 2.0 | 3991J000    |
| <b>RD3</b>  | 7/16-20 UNF  | 29   | 14 | 3.0 | 39160003    |
|             | 1/2-20 UNF   | 30   | 17 | 3.0 | 39120003    |
|             | 3/8-24 UNF   | 27   | 12 | 3.0 | 3938J003    |
|             | 9/16-18 UNF  | 32.5 | 17 | 3.0 | 3991J003    |
| <b>RD4</b>  | 7/16-20 UNF* | 28   | 14 | 4.0 | 39160004    |
|             | 1/2-20 UNF   | 30   | 17 | 4.0 | 39120004    |
|             | 3/8-24 UNF   | 28.5 | 12 | 4.0 | 3938J004    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



| <b>45°</b>  |             |      |      |    |     |             |
|-------------|-------------|------|------|----|-----|-------------|
| Tubo / Hose | G           | H    | L    | Ch | D   | Codice/Ref. |
| <b>RD2</b>  | 7/16-20 UNF | 13   | 46.5 | 14 | 2.0 | 39160040    |
|             | 1/2-20 UNF  | 13   | 46.5 | 17 | 2.0 | 39120040    |
|             | 3/8-24 UNF  | 13   | 46.5 | 12 | 2.0 | 3938J040    |
|             | 9/16-18 UNF | 15.5 | 54.5 | 17 | 2.0 | 3991J040    |
| <b>RD3</b>  | 7/16-20 UNF | 13   | 46.5 | 14 | 3.0 | 39160043    |
|             | 1/2-20 UNF  | 13   | 51.5 | 17 | 3.0 | 39120043    |
|             | 3/8-24 UNF  | 13   | 51.5 | 12 | 3.0 | 3938J043    |
| <b>RD4</b>  | 7/16-20 UNF | 13   | 51.5 | 14 | 4.0 | 39160044    |
|             | 1/2-20 UNF  | 13   | 51.5 | 17 | 4.0 | 39120044    |
|             | 3/8-24 UNF  | 13   | 51.5 | 12 | 4.0 | 3938J044    |



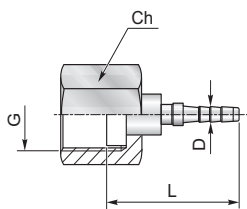
| <b>90°</b>  |              |      |      |    |     |             |
|-------------|--------------|------|------|----|-----|-------------|
| Tubo / Hose | G            | H    | L    | Ch | D   | Codice/Ref. |
| <b>RD2</b>  | 7/16-20 UNF* | 25   | 37   | 14 | 2.0 | 39160090    |
|             | 1/2-20 UNF   | 25   | 36.5 | 17 | 2.0 | 39120090    |
|             | 3/8-24 UNF   | 24   | 40   | 12 | 2.0 | 3938J090    |
| <b>RD3</b>  | 7/16-20 UNF  | 24.5 | 45   | 14 | 3.0 | 39160093    |
|             | 1/2-20 UNF   | 25   | 41.5 | 17 | 3.0 | 39120093    |
|             | 3/8-24 UNF   | 24   | 40   | 12 | 3.0 | 3938J093    |
| <b>RD4</b>  | 7/16-20 UNF* | 24.5 | 45   | 14 | 4.0 | 39160094    |
|             | 1/2-20 UNF   | 25   | 41.5 | 17 | 4.0 | 39120094    |
|             | 3/8-24 UNF   | 24   | 40   | 12 | 4.0 | 3938J094    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

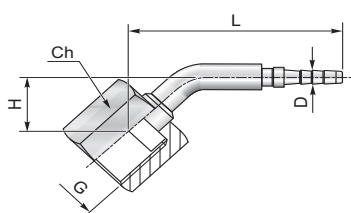


## Raccordo femmina tipo ORFS

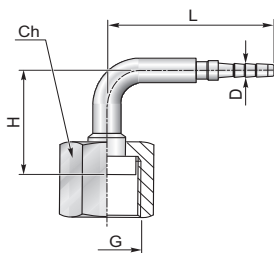
### ORFS female fitting, UNF thread



| Tubo / Hose | G            | L    | Ch | D   | Codice/Ref. |
|-------------|--------------|------|----|-----|-------------|
| RD2         | 9/16-18 UNF  | 28.5 | 19 | 2.0 | 5991F000    |
|             | 11/16-16 UNF | 33   | 22 | 2.0 | 5911F000    |
| RD3         | 9/16-18 UNF  | 32.5 | 19 | 3.0 | 5991F003    |
|             | 11/16-16 UNF | 35   | 22 | 2.0 | 5911F003    |
| RD4         | 9/16-18 UNF  | 32.5 | 19 | 4.0 | 5991F004    |



| 45°         |             |    |    |    |     |             |
|-------------|-------------|----|----|----|-----|-------------|
| Tubo / Hose | G           | H  | L  | Ch | D   | Codice/Ref. |
| RD2         | 9/16-18 UNF | 15 | 46 | 19 | 2.0 | 5991F040    |
| RD3         | 9/16-18 UNF | 15 | 51 | 19 | 3.0 | 5991F043    |
| RD4         | 9/16-18 UNF | 15 | 51 | 19 | 4.0 | 5991F044    |



| 90°         |             |    |      |    |     |             |
|-------------|-------------|----|------|----|-----|-------------|
| Tubo / Hose | G           | H  | L    | Ch | D   | Codice/Ref. |
| RD2         | 9/16-18 UNF | 25 | 37.5 | 19 | 2.0 | 5991F090    |
| RD3         | 9/16-18 UNF | 25 | 42.5 | 19 | 3.0 | 5991F093    |
| RD4         | 9/16-18 UNF | 25 | 42.5 | 19 | 4.0 | 5991F094    |



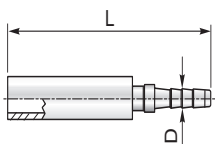
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



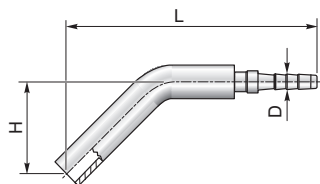
Raccordi a codolo liscio

Standpipe fitting



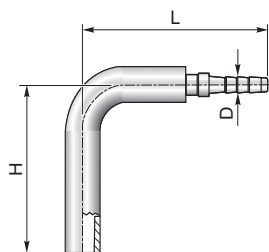
| Tubo / Hose | Ø  | L    | D   | Codice/Ref. |
|-------------|----|------|-----|-------------|
| RD2         | 4  | 36   | 2.0 | 34R70000    |
|             | 6* | 36   | 2.0 | 34R00000    |
|             | 8* | 36   | 2.0 | 34R30000    |
|             | 10 | 36   | 2.0 | 34R50000    |
| RD3         | 4  | 41   | 3.0 | 34R70003    |
|             | 6  | 36   | 3.0 | 34R00003    |
|             | 8  | 37.5 | 3.0 | 34R30003    |
| RD4         | 4  | 41   | 4.0 | 34R70004    |
|             | 6  | 41   | 4.0 | 34R00004    |
|             | 8  | 41   | 4.0 | 34R30004    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



45°

| Tubo / Hose | Ø | H    | L  | D   | Codice/Ref. |
|-------------|---|------|----|-----|-------------|
| RD2         | 4 | 14.5 | 43 | 2.0 | 34R70040    |
|             | 6 | 16.5 | 44 | 2.0 | 34R00040    |
|             | 8 | 20   | 52 | 2.0 | 34R30040    |
| RD3         | 4 | 14.5 | 43 | 3.0 | 34R70043    |
|             | 6 | 16.5 | 44 | 3.0 | 34R00043    |
|             | 8 | 20   | 52 | 3.0 | 34R30043    |
| RD4         | 4 | 14.5 | 48 | 4.0 | 34R70044    |
|             | 6 | 16.5 | 49 | 4.0 | 34R00044    |
|             | 8 | 20   | 57 | 4.0 | 34R30044    |



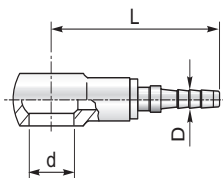
90°

| Tubo / Hose | Ø | H    | L  | D   | Codice/Ref. |
|-------------|---|------|----|-----|-------------|
| RD2         | 4 | 25.5 | 33 | 2.0 | 34R70090    |
|             | 6 | 28   | 32 | 2.0 | 34R00090    |
|             | 8 | 37   | 41 | 2.0 | 34R30090    |
| RD3         | 4 | 25.5 | 33 | 3.0 | 34R70093    |
|             | 6 | 28   | 32 | 3.0 | 34R00093    |
|             | 8 | 37   | 41 | 3.0 | 34R30093    |
| RD4         | 4 | 25.5 | 38 | 4.0 | 34R70094    |
|             | 6 | 28   | 37 | 4.0 | 34R00094    |
|             | 8 | 37   | 46 | 4.0 | 34R30094    |



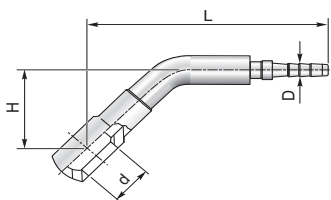
## Raccordo ad occhio e bullone forato

### Banjo fitting and banjo screw

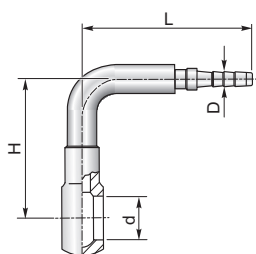


| Tubo / Hose | d  | Dado Forato / Banjo Screw | L    | D   | Codice/Ref. |
|-------------|----|---------------------------|------|-----|-------------|
| RD2         | 6  | M6X1                      | 36.5 | 2.0 | 42R40000    |
|             | 8  | M8X1                      | 29.5 | 2.0 | 42R10000    |
|             | 10 | M10X1 - G1/8              | 31.5 | 2.0 | 42R00000    |
| RD3         | 8* | M8X1                      | 29.5 | 3.0 | 42R10003    |
|             | 10 | M10X1 - G1/8              | 31.5 | 3.0 | 42R00003    |
| RD4         | 8* | M8X1                      | 34.5 | 4.0 | 42R10004    |
|             | 10 | M10X1 - G1/8              | 36.5 | 4.0 | 42R00004    |
|             | 14 | M14X1,5 - G1/4            | 40.5 | 4.0 | 42R20004    |

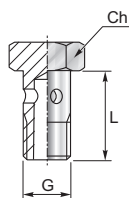
\* Disponibili in acciaio inossidabile/ Available in Stainless steel



| 45°         |   |      |      |     |             |
|-------------|---|------|------|-----|-------------|
| Tubo / Hose | d | H    | L    | D   | Codice/Ref. |
| RD2         | 8 | 17.5 | 45.5 | 2.0 | 42R10040    |
| RD3         | 8 | 17.5 | 49.5 | 3.0 | 42R10043    |
| RD4         | 8 | 17.5 | 49.5 | 4.0 | 42R10044    |



| 90°         |   |      |    |     |             |
|-------------|---|------|----|-----|-------------|
| Tubo / Hose | d | H    | L  | D   | Codice/Ref. |
| RD2         | 8 | 28.5 | 33 | 2.0 | 42R10090    |
| RD3         | 8 | 28.5 | 38 | 3.0 | 42R10093    |
| RD4         | 8 | 28.5 | 38 | 4.0 | 42R10094    |

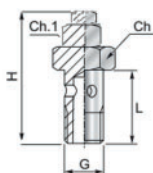


| G     | L  | Ch | Codice/Ref. |
|-------|----|----|-------------|
| M8x1* | 17 | 12 | 42R0HS00    |
| M10x1 | 19 | 14 | 42R1HS00    |
| G1/8  | 18 | 14 | 4218HS00    |

\* Disponibili in acciaio inossidabile/ Available in Stainless steel

## Bullone forato con smorzatore di pressione Reg. M8x1.25

### Pressure dumper screw M8x1.25



| G    | H  | L  | Ch | Ch 1 | Codice/Ref. |
|------|----|----|----|------|-------------|
| G1/4 | 50 | 29 | 19 | 13   | 4214HS30    |
| G1/8 | 53 | 31 | 22 | 13   | 4238HS35    |



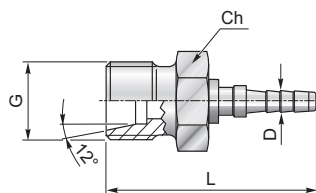
**Tubo capillare per alta pressione e raccordi**

*Micro hose for high pressure and fittings*



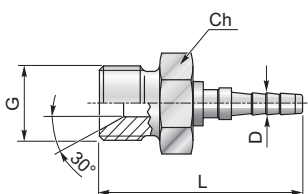
## Raccordi maschio fisso

### Male fittings

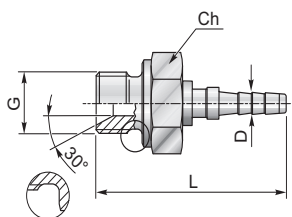


| Tubo / Hose | G       | L  | Ch | D   | Codice/Ref. |
|-------------|---------|----|----|-----|-------------|
| <b>RD2</b>  | M12x1.5 | 32 | 14 | 2.0 | 44MFLR00    |
|             | M14x1.5 | 32 | 17 | 2.0 | 44MFLR10    |
|             | M16x1.5 | 33 | 19 | 2.0 | 44MFLR30    |
| <b>RD3</b>  | M12x1.5 | 36 | 14 | 3.0 | 44MFLR03    |
|             | M14x1.5 | 36 | 17 | 3.0 | 44MFLR13    |
|             | M16x1.5 | 37 | 19 | 3.0 | 44MFLR33    |
| <b>RD4</b>  | M12x1.5 | 37 | 14 | 4.0 | 44MFLR04    |
|             | M14x1.5 | 37 | 17 | 4.0 | 44MFLR14    |
|             | M16x1.5 | 38 | 19 | 4.0 | 44MFLR34    |

Serie L / L Series

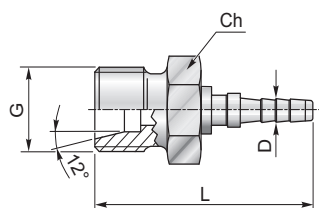


| Tubo / Hose | G     | L    | Ch | D   | Codice/Ref. |
|-------------|-------|------|----|-----|-------------|
| <b>RD2</b>  | G 1/8 | 31   | 14 | 2.0 | 44MFG180    |
|             | G 1/4 | 36   | 19 | 2.0 | 44MFG140    |
| <b>RD3</b>  | G 1/8 | 36.5 | 14 | 3.0 | 44MFG183    |
|             | G 1/4 | 38.5 | 19 | 3.0 | 44MFG143    |
| <b>RD4</b>  | G 1/8 | 39   | 14 | 4.0 | 44MFG184    |
|             | G 1/4 | 38.5 | 19 | 4.0 | 44MFG144    |
|             | G 3/8 | 42.5 | 22 | 4.0 | 44MFG384    |



| Tubo / Hose | G     | L    | Ch | D   | Codice/Ref. |
|-------------|-------|------|----|-----|-------------|
| <b>RD2</b>  | G 1/8 | 33.5 | 14 | 2.0 | 44MFM180    |
|             | G 1/4 | 37.5 | 19 | 2.0 | 44MFM140    |
| <b>RD3</b>  | G 1/8 | 35   | 14 | 3.0 | 44MFM183    |
|             | G 1/4 | 41   | 19 | 3.0 | 44MFM143    |
| <b>RD4</b>  | G 1/8 | 37.5 | 14 | 4.0 | 44MFM184    |
|             | G 1/4 | 41   | 19 | 4.0 | 44MFM144    |

Tenuta con rondella di rame (non inclusa) / Sealing with copper washer (not included)



| Tubo / Hose | G        | L    | Ch | D   | Codice/Ref. |
|-------------|----------|------|----|-----|-------------|
| <b>RD2</b>  | M14x1.5  | 34   | 17 | 2.0 | 44MFSR00    |
|             | M16x1.5* | 34   | 19 | 2.0 | 44MFSR10    |
|             | M18x1.5  | 35.5 | 22 | 2.0 | 44MFSR20    |
| <b>RD3</b>  | M14x1.5  | 38   | 17 | 3.0 | 44MFSR03    |
|             | M16x1.5  | 38   | 19 | 3.0 | 44MFSR13    |
|             | M18x1.5  | 38.5 | 22 | 3.0 | 44MFSR23    |
| <b>RD4</b>  | M14x1.5  | 39   | 17 | 4.0 | 44MFSR04    |
|             | M16x1.5  | 39   | 19 | 4.0 | 44MFSR14    |
|             | M18x1.5  | 40.5 | 22 | 4.0 | 44MFSR24    |
|             | M20x1.5  | 41   | 24 | 4.0 | 44MFSR34    |

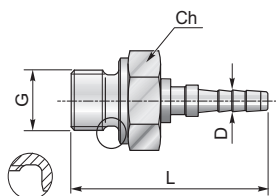
Serie S / S Series

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



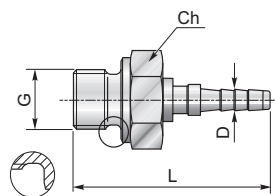
## Raccordi maschio fisso

### Male fittings



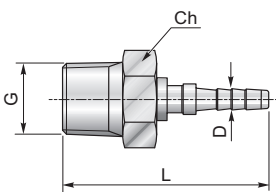
| Tubo / Hose | G       | L  | Ch | D   | Codice/Ref. |
|-------------|---------|----|----|-----|-------------|
| RD2         | M8x1    | 32 | 12 | 2.0 | 44MFDR00    |
|             | M10x1   | 32 | 14 | 2.0 | 44MFDR10    |
|             | M12x1.5 | 33 | 17 | 2.0 | 44MFDR30    |
|             | M5x1    | 32 | 12 | 2.0 | 44MFDRM5    |
| RD3         | M8x1    | 36 | 12 | 3.0 | 44MFDR03    |
|             | M10x1   | 36 | 14 | 3.0 | 44MFDR13    |
|             | M12x1.5 | 37 | 17 | 3.0 | 44MFDR33    |
| RD4         | M8x1    | 37 | 12 | 4.0 | 44MFDR04    |
|             | M10x1   | 37 | 14 | 4.0 | 44MFDR14    |
|             | M12x1.5 | 38 | 17 | 4.0 | 44MFDR34    |

Sede piana / Flat sealing

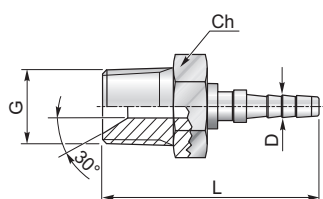


| Tubo / Hose | G     | L    | Ch | D   | Codice/Ref. |
|-------------|-------|------|----|-----|-------------|
| RD2         | G 1/8 | 30.5 | 14 | 2.0 | 44MFD180    |
|             | G 1/4 | 35.5 | 19 | 2.0 | 44MFD140    |
| RD3         | G 1/8 | 35.5 | 14 | 3.0 | 44MFD183    |
|             | G 1/4 | 41   | 19 | 3.0 | 44MFD143    |
| RD4         | G 1/8 | 35.5 | 14 | 4.0 | 44MFD184    |
|             | G 1/4 | 41   | 19 | 4.0 | 44MFD144    |

Sede piana / Flat sealing



| Tubo / Hose | G     | L    | Ch | D   | Codice/Ref. |
|-------------|-------|------|----|-----|-------------|
| RD2         | R 1/8 | 30.5 | 12 | 2.0 | 44MFC180    |
|             | R 1/4 | 33.5 | 14 | 2.0 | 44MFC140    |
| RD3         | R 1/8 | 33.5 | 12 | 3.0 | 44MFC183    |
|             | R 1/4 | 38.5 | 14 | 3.0 | 44MFC143    |
| RD4         | R 1/8 | 34.5 | 12 | 4.0 | 44MFC184    |
|             | R 1/4 | 37.5 | 14 | 4.0 | 44MFC144    |



| Tubo / Hose | G            | L    | Ch | D   | Codice/Ref. |
|-------------|--------------|------|----|-----|-------------|
| RD2         | 1/8-27 NPTF  | 28.5 | 12 | 2.0 | 44MF8000    |
|             | 1/4-18 NPTF* | 36   | 17 | 2.0 | 44MF4000    |
| RD3         | 1/8-27 NPTF  | 33.5 | 12 | 3.0 | 44MF8003    |
|             | 1/4-18 NPTF  | 38.5 | 17 | 3.0 | 44MF4003    |
| RD4         | 1/8-27 NPTF  | 35   | 12 | 4.0 | 44MF8004    |
|             | 1/4-18 NPTF  | 41   | 17 | 4.0 | 44MF4004    |

\* Disponibili in acciaio inossidabile / Available in Stainless steel

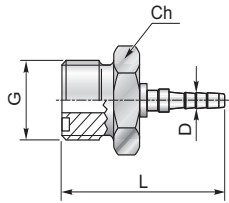


**Tubo capillare per alta pressione e raccordi**  
*Micro hose for high pressure and fittings*



**Raccordo maschio tipo ORFS**

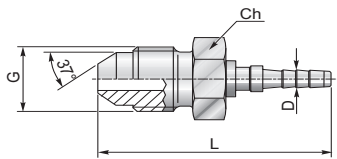
*ORFS male fitting, UNF thread*



| Tubo / Hose | G           | L  | Ch | D   | Codice/Ref. |
|-------------|-------------|----|----|-----|-------------|
| <b>RD2</b>  | 9/16-18 UNF | 31 | 17 | 2.0 | 5991M000    |
| <b>RD3</b>  | 9/16-18 UNF | 35 | 17 | 3.0 | 5991M003    |
| <b>RD4</b>  | 9/16-18 UNF | 35 | 17 | 4.0 | 5991M004    |

**Raccordo maschio JIC 74°**

*JIC 74° Male fitting*

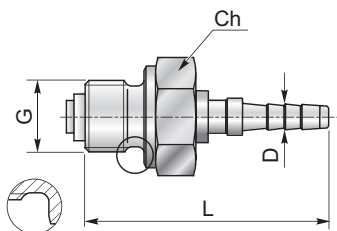


| Tubo / Hose | G            | L  | Ch | D   | Codice/Ref. |
|-------------|--------------|----|----|-----|-------------|
| <b>RD2</b>  | 3/8-28 UNF   | 34 | 12 | 2.0 | 44AJ3800    |
|             | 7/16-20 UNF* | 38 | 14 | 2.0 | 44AJ7100    |
|             | 1/2-20 UNF   | 39 | 17 | 2.0 | 44AJ1200    |
| <b>RD3</b>  | 3/8-24 UNF   | 38 | 12 | 3.0 | 44AJ3803    |
|             | 7/16-20 UNF  | 42 | 14 | 3.0 | 44AJ7103    |
|             | 1/2-20 UNF   | 43 | 17 | 3.0 | 44AJ1203    |
| <b>RD4</b>  | 3/8-24 UNF   | 38 | 12 | 4.0 | 44AJ3804    |
|             | 7/16-20 UNF  | 42 | 14 | 4.0 | 44AJ7104    |
|             | 1/2-20 UNF   | 43 | 17 | 4.0 | 44AJ1204    |

\* Disponibili in acciaio  
 inossidabile/ Available in  
 Stainless steel

**Raccordo maschio per porta manometro**

*Gauge male fitting*

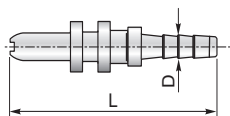


| Tubo / Hose | G              | L  | Ch | D   | Codice/Ref. |
|-------------|----------------|----|----|-----|-------------|
| <b>RD4</b>  | ISO 228 G 1/4" | 44 | 17 | 4.0 | 44GC1404    |



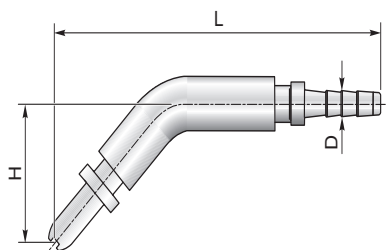
## Innesto per minipresa a baionetta

### Plug-in connection

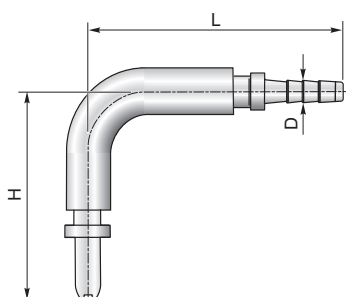


| Tubo / Hose | L  | D   | Codice/Ref. |
|-------------|----|-----|-------------|
| RD2*        | 27 | 2.0 | 33TD0000    |
| RD3         | 31 | 3.0 | 33TD0003    |
| RD4         | 31 | 4.0 | 33TD0004    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel



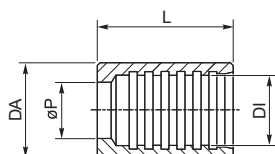
| 45°         |    |    |     |             |
|-------------|----|----|-----|-------------|
| Tubo / Hose | H  | L  | D   | Codice/Ref. |
| RD2         | 22 | 56 | 2.0 | 33TD0040    |
| RD3         | 24 | 59 | 3.0 | 33TD0043    |
| RD4         | 24 | 59 | 4.0 | 33TD0044    |



| 90°         |    |    |     |             |
|-------------|----|----|-----|-------------|
| Tubo / Hose | H  | L  | D   | Codice/Ref. |
| RD2         | 28 | 32 | 2.0 | 33TD0090    |
| RD3         | 28 | 36 | 3.0 | 33TD0093    |
| RD4         | 28 | 36 | 4.0 | 33TD0094    |

## Ghiera a pressare

### Ferrule



| DA   | DI   | L  | ØP  | Ø Tubo est. /<br>ext. hose Ø | Ø Press | PN [bar] | Codice/Ref. |
|------|------|----|-----|------------------------------|---------|----------|-------------|
| 8*#  | 5.65 | 15 | 4.5 | 5.5                          | 7.1     | 600      | 30BT0000    |
| 8*#  | 5.15 | 15 | 4.5 | 5 (RD2)                      | 7.1     | 600      | 30BT2000    |
| 9*   | 6.6  | 17 | 6.2 | 6 (RD3)                      | 7.6     | 600      | 30BT3000    |
| 12*° | 9.2  | 17 | 6.5 | 8.6                          | 10.2    | 600      | 30BT4000    |
| 12*° | 8.6  | 17 | 6.5 | 8 (RD4)                      | 10.2    | 600      | 30BT4001    |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

Ø Press = Diametro di pressatura / Crimping diameters

# Compatibile con serie di raccordi Mini Press RD2 / suitable with RD2 Mini Press fittings range

° Compatibile con serie di raccordi Mini Press RD4 / suitable with RD4 Mini Press fittings range

- La boccola non è inclusa nel codice del raccordo, è da ordinare separatamente.
- The ferrule is not included in the fitting code, it is to be ordered separately.



G1/4" ISO 228 flat gasket sealing

### Manometro digitale Service Junior

#### Service Junior digital gauge

- Misurazione e visualizzazione digitale della pressione / Digital pressure measurement and display
- Precisione  $\pm 0,5\%$  FS / Accuracy  $\pm 0,5\%$  FS
- Visualizzazione con grafico a barre con funzione di memorizzazione dei livelli di picco / Display with bar graph with peak and hold function
- Rilevamento dei picchi di pressione – Velocità di rilevamento 10 MS / Pressure peak captured – 10ms scanning rate

Codice / Ref.

SCJN-XXX-01-MPR

Scale disponibili dei manometri digitali: -1...16bar; 0...100bar; 0...400bar; 0...600bar; 0...1000bar

Available digital gauge ranges: -1...16bar; 0...100bar; 0...400bar; 0...600bar; 0...1000bar

2



2214PARG00: da digitale/sensore a manometro analogico  
2214PARG00: from sensor/digital to analog gauge

2

### Adattatore per manometro digitale, pressostato, sensore o trasduttore

#### Digital gauge, pressure switch, sensor or transducer adapter

| Filetto 1 / Thread 1                                                                        | Ch | Filetto 2 / Thread 2 | H    | PN [bar] | Codice/Ref. |
|---------------------------------------------------------------------------------------------|----|----------------------|------|----------|-------------|
| Porta manometro connessione diretta, tenuta metallica / Direct gauge adapter, metal sealing |    |                      |      |          |             |
| M 16x2 *                                                                                    | 22 | ISO 228 G 1/4"       | 55   | 630      | 2014TR00    |
| ISO 228 G 1/4" *                                                                            | 24 | ISO 228 G 1/4"       | 33.5 | 630      | 2214PARG00  |

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

### Kit portatile prova pressione digitale

#### Pressure test digital kit

| Valigetta completa di: / Box completed with:<br>Dim. 385x255x90 mm                                        | Codice / Ref.                                                                                                   |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 2 Manometri digitali Service Junior + adattatore /<br>2 Digital gauge Service Junior + adapter (2014TR00) | <b>CBOXMEDDS</b><br>seguito dai 2 range di<br>pressione scelti /<br>followed by the 2<br>chosen pressure ranges |
| 2 Adattatori per innesto rapido /<br>2 Quick coupling adapters                                            |                                                                                                                 |
| 2 Adattatori maschio-maschio M16X2-M16X2 /<br>2 Adapters male-male M16X2-M16X2                            |                                                                                                                 |
| 1 Tubo M16X2- M16X2 lunghezza 2000mm /<br>1 hose M16X2- M16X2 length 2000mm                               |                                                                                                                 |
| 1 Adattatore femmina-maschio M10X1- 3/8"gas /<br>1 Adapter female-male M10X1- 3/8"gas                     |                                                                                                                 |
| 1 Adattatore femmina-maschio M10X1- 1/2"gas /<br>1 Adapter female-male M10X1- 1/2"gas                     |                                                                                                                 |
| 1 Minipresa 1/4" gas / 1 Test point 1/4" gas                                                              |                                                                                                                 |
| 1 Minipresa 1/8" gas / 1 Test point 1/8" gas                                                              |                                                                                                                 |
| 1 Minipresa M8X1 / 1 Test point M8X1                                                                      |                                                                                                                 |
| 1 Minipresa M10X1 / 1 Test point M10X1                                                                    |                                                                                                                 |





#### SERVICEMAN PLUS\*

- Funzionalità Plug & Play con riconoscimento automatico dei sensori, basta inserire il sensore desiderato e iniziare a misurare.
- Ampio display retroilluminato per una facile e rapida lettura anche in condizioni di luce scarsa.
- Diagnostica semplificata grazie alla memorizzazione dei valori MIN/MAX e alla visualizzazione diretta della pressione differenziale o della potenza idraulica.
- Guida all'uso semplice e chiara.

#### SERVICEMAN PLUS\*

- "Plug & Play" using automatic sensor recognition, simply plug in and measure.
- Large back-lit display for quick and secure reading, even under difficult conditions.
- Simply troubleshooting using MIN/MAX memory and direct display of differential pressure or hydraulic performance.
- Simply and clear user prompts.



Sensori / Sensors



Flussometro / Flow meter

| Kit Serviceman Plus                                                                                                                                                                                                                                           | SCKIT-155-2-00-MP |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Valigetta / Device Case                                                                                                                                                                                                                                       | 1                 |
| Parker Serviceman Plus con chiavetta USB, alimentatore, cavo di collegamento per PC e software SensoWin, CAN Bus: SCM-155-2-05-MP / Parker Serviceman Plus incl. USB stick, power supply, PC connection cable and SensoWin software, CAN Bus: SCM-155-2-05-MP | SCM-155-2-05-MP   |
| Cavo di collegamento CAN 2000 mm (maschio-femmina 5 pin) / Connection cable CAN 2000 mm (male-female 5 pin)                                                                                                                                                   | 2                 |
| Ripartitore a Y CAN / Y-distributor CAN                                                                                                                                                                                                                       | 1                 |
| Resistenza di chiusura CAN / Final resistance CAN                                                                                                                                                                                                             | 1                 |
| Adattatore (maschio - maschio M16x2) / Adapter (male-male M16x2)                                                                                                                                                                                              | 2                 |
| Tubo flessibile di misurazione da 1500 mm (ambo i lati maschio M16x2) / Hose assembly 1500 mm (male M16x2 both ends)                                                                                                                                          | 2                 |

\* Disponibile in versione CAN Bus o analogica, eventuali sensori e flussometri da aggiungere al kit base.

\* Available in CAN Bus or analogue version, sensors and flow meters to be added to basis kit.



## Strumenti portatili prova pressione

### Portable hydraulic instruments for pressure testing



Le valigette prova pressione sono predisposte per il collegamento tramite raccordi avvitabili standard M16x2 e tubo capillare flessibile.

I manometri sono a molla Bourdon con riempimento di liquido (glicerina ph. 99.5% di origine vegetale).

Classe di precisione (sul valore di fondo scala):

Ø 100 mm precisione 1%. - Ø 63 mm precisione 1.6%.

Produzione secondo norma UNI EN 837-1.

Ogni kit è corredato di tubo capillare flessibile di mt 2 raccordato femmina 16x2 ambo i lati per connessione minipressa.

Per ogni valigetta è possibile scegliere il fondo scala di ogni singolo manometro in essa incluso.

Scale disponibili (bar): 0-16 - 25 - 40 - 60 - 100 - 160 - 250 - 315 - 400 - 600.

Per differenti necessità si prega di contattare il nostro ufficio commerciale.

Come ordinare: Si prega di scegliere il codice della valigetta prova pressione ed elencare le scale manometro desiderate. Per esempio:

CBOXMED3 25 160 315

The pressure test kits are made for connecting any hydraulic equipment with standard threaded test couplings M16x2 and fitted micro-hose.

Pressure gauges are fitted with a Bourdon spring and liquid filled (glycerine ph. 99.5% Vegetal origin).

Accuracy (of full scale value):

Ø 100 mm accuracy 1%. - Ø 63 mm accuracy 1.6%.

Production according to standard UNI EN 837-1.

Each kit is supplied with a hose assembly both ends female 16x2 (for test coupling connection) 2 meters long.

You can choose the scale of every single gauge included in a kit.

Available gauges ranges (bar): 0-16 - 25 - 40 - 60 - 100 - 160 - 250 - 315 - 400 - 600. For different requirements please contact our sales office.

How to order: Please choose the code of the pressure test kit and list the gauges required scales. For example:

CBOXMED3 25 160 315



### 3 manometri cassa acciaio inossidabile

#### 3 pressure gauges stainless steel housing

diam. 63 mm  
dim. 320x280xh119 mm

Codice/Ref.

CBOXMED3

Opzione: manometri con logo Mini Press e doppia scala Bar+PSI  
Option: gauges with Mini Press logo and double scale Bar+PSI

CBOXMED3-M  
CBOXMED3-M

### 4 manometri cassa acciaio inossidabile

#### 4 pressure gauges stainless steel housing

diam. 63 mm  
dim. 320x280xh119 mm

Codice/Ref.

CBOXMED4

Opzione: manometri con logo Mini Press e doppia scala Bar+PSI  
Option: gauges with Mini Press logo and double scale Bar+PSI

CBOXMED4-M  
CBOXMED4-M





### 7 manometri cassa acciaio inossidabile

#### 7 pressure gauges stainless steel housing

diam. 63 mm

dim. 430x320x120 mm

Codice/Ref.

CBOXGRA7

Opzione: manometri con logo Mini Press

CBOXGRA7-M

Option: gauges with Mini Press logo

CBOXGRA7-M



### Kit portatile prova pressione componibile

#### Modular portable pressure test kit



| Valigetta completa di: / Box completed with:<br>Diam. 63 mm e/o 100 mm<br>Dim. 385x255x90 mm | CBOXMEDS1 |
|----------------------------------------------------------------------------------------------|-----------|
| Microtubo raccor. F16x2-F16x2 L.2000mm /<br>Fitted micro-hose F16x2-F16x2 L.2000mm           | 1         |
| Portamanometro diretto 1/4" /<br>Direct gauge connection 1/4"                                | 1         |
| Portamanometro 1/4" BSP /<br>Gauge connection 1/4" BSP                                       | 1         |
| Minipresa pistone 1/4" BSP /<br>Poppet Valve Test point 1/4" BSP                             | 1         |
| Minipresa pistone 1/8" BSP /<br>Poppet Valve Test point 1/8" BSP                             | 1         |
| Minipresa pistone 1/4" - 18NPTF /<br>Poppet Valve Test point 1/4" - 18NPTF                   | 1         |
| Minipresa pistone M10x1 /<br>Poppet Valve Test point M10x1                                   | 1         |
| Minipresa pistone M14x1,5 /<br>Poppet Valve Test point M14x1,5                               | 1         |
| Minipresa pistone 7/16" - 20UNF /<br>Poppet Valve Test point 7/16" - 20UNF                   | 1         |
| Riduzione F M10X1 - M ISO228 G3/8" /<br>Reducing adaptor F M10X1 - M ISO228 G3/8"            | 1         |
| Riduzione F M10X1 - M ISO228 G1/2" /<br>Reducing adaptor F M10X1 - M ISO228 G1/2"            | 1         |
| Rubinetto escludere attacco 90° /<br>Anti-shock valve 90° entry                              | 1         |
| Rubinetto escludere attacco diritto girevole /<br>Anti-shock valve swivel direct entry       | 1         |

Opzione: manometri con logo Mini Press

CBOXMEDS1-M

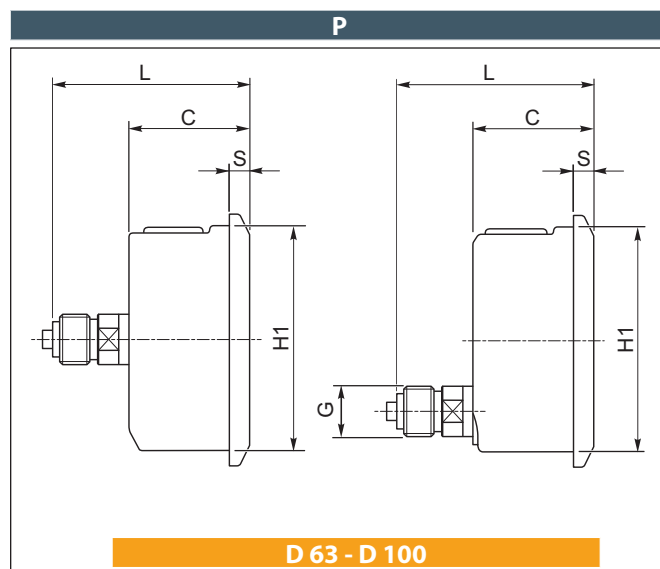
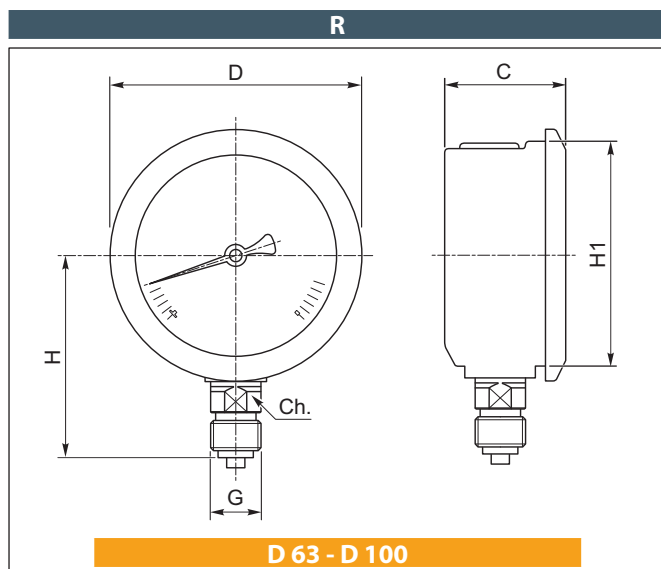
Option: gauges with Mini Press logo

CBOXMEDS1-M



Manometri cassa acciaio inox con riempimento glicerina

Pressure gauges stainless steel case. Glycerine filled



|              | D   | ISO228   | H  | H1  | L mm | S mm | C mm | Ch mm | KI % F.S |
|--------------|-----|----------|----|-----|------|------|------|-------|----------|
| <b>D 63</b>  | 63  | G 1/4" A | 54 | 62  | 56   | 6.5  | 32   | 14    | 1.6      |
| <b>D 100</b> | 100 | G 1/2" B | 87 | 100 | 81.5 | 8    | 48   | 22    | 1        |

| <b>D 63</b>            |                 |                 |
|------------------------|-----------------|-----------------|
| Scala / Range<br>[bar] | Codice/Ref.     |                 |
|                        |                 |                 |
| -1...0                 | <b>063.V01R</b> | <b>063.V01P</b> |
| 0...0.6                | <b>063.V06R</b> | <b>063.V06P</b> |
| 0...1                  | <b>063.001R</b> | <b>063.001P</b> |
| 0...1.6                | <b>063.V16R</b> | <b>063.V16P</b> |
| 0...2.5                | <b>063.V25R</b> | <b>063.V25P</b> |
| 0...4                  | <b>063.004R</b> | <b>063.004P</b> |
| 0...6                  | <b>063.006R</b> | <b>063.006P</b> |
| 0...10                 | <b>063.010R</b> | <b>063.010P</b> |
| 0...16                 | <b>063.016R</b> | <b>063.016P</b> |
| 0...25                 | <b>063.025R</b> | <b>063.025P</b> |
| 0...40                 | <b>063.040R</b> | <b>063.040P</b> |
| 0...60                 | <b>063.060R</b> | <b>063.060P</b> |
| 0...100                | <b>063.100R</b> | <b>063.100P</b> |
| 0...160                | <b>063.160R</b> | <b>063.160P</b> |
| 0...250                | <b>063.250R</b> | <b>063.250P</b> |
| 0...315                | <b>063.315R</b> | <b>063.315P</b> |
| 0...400                | <b>063.400R</b> | <b>063.400P</b> |
| 0...600                | <b>063.600R</b> | <b>063.600P</b> |
| 0...1000               | <b>063.M00R</b> | <b>063.M00P</b> |

| <b>D 100</b>           |                 |                 |
|------------------------|-----------------|-----------------|
| Scala / Range<br>[bar] | Codice/Ref.     |                 |
|                        |                 |                 |
| -1...0                 | <b>100.V01R</b> | <b>100.V01P</b> |
| 0...0.6                | <b>100.V06R</b> | <b>100.V06P</b> |
| 0...1                  | <b>100.001R</b> | <b>100.001P</b> |
| 0...1.6                | <b>100.V16R</b> | <b>100.V16P</b> |
| 0...2.5                | <b>100.V25R</b> | <b>100.V25P</b> |
| 0...4                  | <b>100.004R</b> | <b>100.004P</b> |
| 0...6                  | <b>100.006R</b> | <b>100.006P</b> |
| 0...10                 | <b>100.010R</b> | <b>100.010P</b> |
| 0...16                 | <b>100.016R</b> | <b>100.016P</b> |
| 0...25                 | <b>100.025R</b> | <b>100.025P</b> |
| 0...40                 | <b>100.040R</b> | <b>100.040P</b> |
| 0...60                 | <b>100.060R</b> | <b>100.060P</b> |
| 0...100                | <b>100.100R</b> | <b>100.100P</b> |
| 0...160                | <b>100.160R</b> | <b>100.160P</b> |
| 0...250                | <b>100.250R</b> | <b>100.250P</b> |
| 0...315                | <b>100.315R</b> | <b>100.315P</b> |
| 0...400                | <b>100.400R</b> | <b>100.400P</b> |
| 0...600                | <b>100.600R</b> | <b>100.600P</b> |
| 0...1000               | <b>100.M00R</b> | <b>100.M00P</b> |



I rubinetti esclusori sono normalmente utilizzati a protezione del manometro. Doppia funzione:

- Smorzare lo shock della pressione in fase di apertura
- Isolare lo strumento dalla linea in pressione

Il dado girevole permette al manometro di essere orientato a piacimento e la presenza dell'OR al suo interno impedisce il trafilamento di fluidi tra il manometro e l'esclusore.

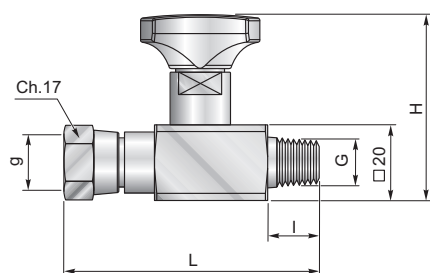
The gauge-isolator valves are normally used to protect the pressure gauge with a double function:

- To dampen the pressure surge during the opening
- To isolate the instrument from the system's pressure line

The gauge can be oriented thanks to the rotating swivel nut and the internal o-ring here inserted prevents any fluid leakage between the gauge and the fitting.

### Esclusore attacco diritto girevole

#### Gauge-isolator valve swivel straight connection



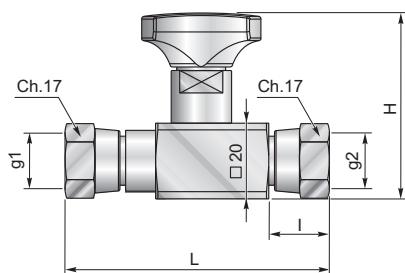
| G                 | g               | H  | L  | I  | PN [bar] | Codice/Ref. |
|-------------------|-----------------|----|----|----|----------|-------------|
| ISO 7/1 R 1/4" *  | ISO 228 G1/4" # | 46 | 60 | 14 | 400      | ES180ZL     |
| ISO 228 G1/4" 60° | ISO 228 G1/4" # | 46 | 60 | 14 | 400      | ES180G14ZL  |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

### Esclusore attacco diritto doppia femmina girevole

#### Gauge-isolator valve double swivel straight connection



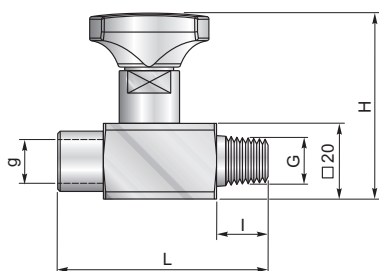
| g1               | g2                | H  | L    | I  | PN [bar] | Codice/Ref. |
|------------------|-------------------|----|------|----|----------|-------------|
| ISO 228 G1/4" *# | ISO 228 G1/4" #   | 46 | 62   | 16 | 400      | ES18GZL     |
| ISO 228 G1/4" #  | ISO 228 G1/4" 60° | 46 | 55.5 | 16 | 400      | ES18GFZL    |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

### Esclusore attacco diritto fisso

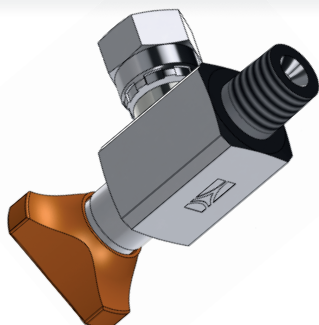
#### Gauge-isolator valve fixed straight connection



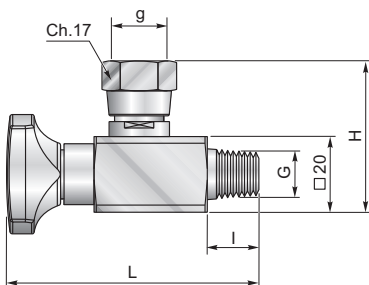
| G              | g              | H  | L    | I  | PN [bar] | Codice/Ref. |
|----------------|----------------|----|------|----|----------|-------------|
| ISO 7/1 R 1/4" | ISO 228 G1/4"  | 46 | 58.5 | 14 | 400      | ES18FZL     |
| ISO 7/1 R 1/4" | ISO 7/1 R 1/4" | 46 | 58.5 | 14 | 400      | ES18FRZL    |
| 1/4" - 18 NPTF | 1/4" - 18 NPTF | 46 | 58.5 | 14 | 400      | ES18FNZL    |



**Caratteristiche generiche / General features**



- Zincato superficilmente
- Identificazione produttore attraverso il logo
- Coppia di serraggio con manometro = 15Nm
- *Superficially zinc-plated*
- *Manufacturer's identification through our logo*
- *Tightening torque with gauge = 15Nm*

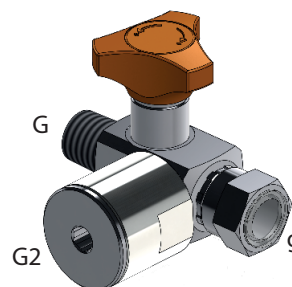


| G              | g               | G2            | PN [bar] | Codice/Ref. |
|----------------|-----------------|---------------|----------|-------------|
| ISO 7/1 R 1/4" | ISO 228 G1/4" # | ISO 228 G1/2" | 400      | ES180G12Z   |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring

**Esclusore attacco 3 vie**

*Gauge-isolator valve 3-way connection*



**Esclusore attacco 90°**

*Gauge-isolator valve 90° connection*

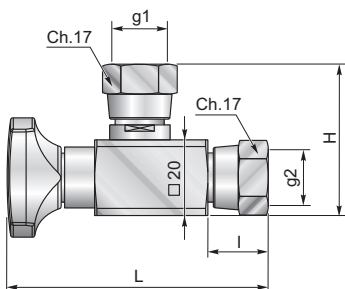
| G                 | g               | H  | L  | I  | PN [bar] | Codice/Ref. |
|-------------------|-----------------|----|----|----|----------|-------------|
| ISO 7/1 R 1/4" *  | ISO 228 G1/4" # | 40 | 68 | 14 | 400      | ES090ZL     |
| ISO 228 G1/4" 60° | ISO 228 G1/4" # | 40 | 68 | 14 | 400      | ES090G14ZL  |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

**Esclusore attacco 90° doppia femmina girevole**

*Gauge-isolator valve 90° double swivel connection*



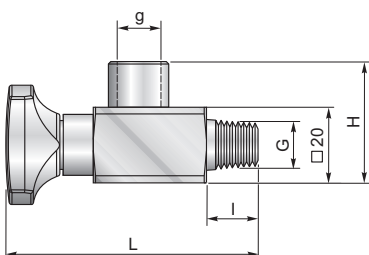
| g1               | g2                | H  | L  | I  | PN [bar] | Codice/Ref. |
|------------------|-------------------|----|----|----|----------|-------------|
| ISO 228 G1/4" *# | ISO 228 G1/4" #   | 40 | 68 | 16 | 400      | ES09GZL     |
| ISO 228 G1/4" #  | ISO 228 G1/4" 60° | 40 | 68 | 16 | 400      | ES09GFZL    |

#Tenuta per manometro  
con o-ring/  
gauge sealing with o-ring

\* Disponibili in acciaio  
inossidabile/ Available in  
Stainless steel

**Esclusore attacco fisso 90°**

*Gauge-isolator valve fixed 90° connection*



| G              | g              | H  | L  | I  | PN [bar] | Codice/Ref. |
|----------------|----------------|----|----|----|----------|-------------|
| ISO 7/1 R 1/4" | ISO 228 G1/4"  | 40 | 68 | 14 | 400      | ES09FZL     |
| 1/4" - 18 NPTF | 1/4" - 18 NPTF | 40 | 68 | 14 | 400      | ES09FNZL    |



| Gamma / Range                                    | Caratteristiche / Features                                                                                         |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 16 LPM<br>30 LPM<br>60 LPM<br>120 LPM<br>180 LPM | Pressione 420 bar (6000 psi) / Pressure 420 bar (6000 psi)<br>Classe di precisione 4% fsd / Accuracy within 4% fsd |
| 200 LPM<br>300 LPM<br>400 LPM                    | Pressione 280 bar (4000 psi) / Pressure 280 bar (4000 psi)<br>Classe di precisione 4% fsd / Accuracy within 4% fsd |

I misuratori di portata sono progettati per rilevazioni continue o uso discontinuo.

L'ampio diametro di 63mm dello strumento di lettura analogico assicura controlli rapidi per monitorare le prestazioni di pompe idrauliche e per settare valvole di controllo del flusso.

Possono essere utilizzati su impianti idraulici fissi e mobili, ma anche su sistemi di lubrificazione e raffreddamento e su equipaggiamenti per l'erogazione di acqua e acqua-olio.

Per le loro caratteristiche i misuratori di portata possono essere utilizzati in condizioni avverse o in applicazioni dove non è possibile attingere all'energia elettrica.

Inoltre è possibile misurare la temperatura, tramite il termometro e la pressione, grazie alla predisposizione per la connessione con una minipresa da 1/4" G.

Flow indicators are designed for continuous monitoring or intermittent use commissioning.

The large clear 63mm diameter dial ensure that quick checks can be made to determine pump performance and setting of flow control valves.

They can be used on mobile and industrial hydraulic circuits. Also lubrication and coolant system using oil/water.

These direct acting flow indicators can be installed in hazardous areas or on applications where no power is available.

Moreover it is possible to check the temperature by the thermometer and the pressure by the predisposition for the connection with a 1/4" G test coupling.



**Pressa pneumo-idraulica per microtubi**  
**Pneumo-hydraulic crimping machine for microhoses**



- A) POTENZA DI PRESSATURA: 100 Tonnellate  
 B) DIAMETRO MAX DI PRESSATURA: 46mm con set di morsetti  
 C) RANGE DI PRESSATURA (mm) : 6,5 - 30  
 D) APERTURA MORSETTI: +20mm  
 E) APERTURA SENZA MORSETTI: 59mm  
 F) DIMENSIONI: 200X300h.330  
 G) PESO: Kg. 24  
 H) SICUREZZA: Conforme alle norme CE
- Nonio graduato con spia luminosa per segnalare il diametro di pressatura raggiunto.

- A) SWAGING STRENGTH: 100 Tons  
 B) MAXIMUM CRIMPING DIAMETER: 46 mm including dies set  
 C) CRIMPING RANGE (mm): 6,5 - 30  
 D) MAXIMUM OPENING OF DIES SET: +20mm  
 E) MACHINE MAXIMUM OPENING WITHOUT DIES SET: 59mm  
 F) DIMENSIONS: 200X320Xh.330mm  
 G) WEIGHT: Kg. 24  
 H) SAFETY: Conforms To CE Standards
- Graduated vernier with control light indicating the achievement of the required crimping diameter.

La pressa è una macchina robusta e leggera, studiata per essere facilmente trasportabile sul posto di lavoro; ideale per la graffatura di tubi flessibili impiegati nei circuiti oleodinamici. Non necessita di particolare manutenzione, a parte una periodica lubrificazione.

Codice prodotto complete di set di morsetti per pressatura microtubi **RD2-3-4: O100M+6,5**

*The machine is sturdy, lightweight and designed to be easily carried in work site; ideal for swaging hoses for hydraulic systems. It does not require any special maintenance, except for a periodic lubrication.*

*Item part number complete with set of clamps to crimp **RD2-3-4 micro hoses: O100M+6,5***





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