

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.

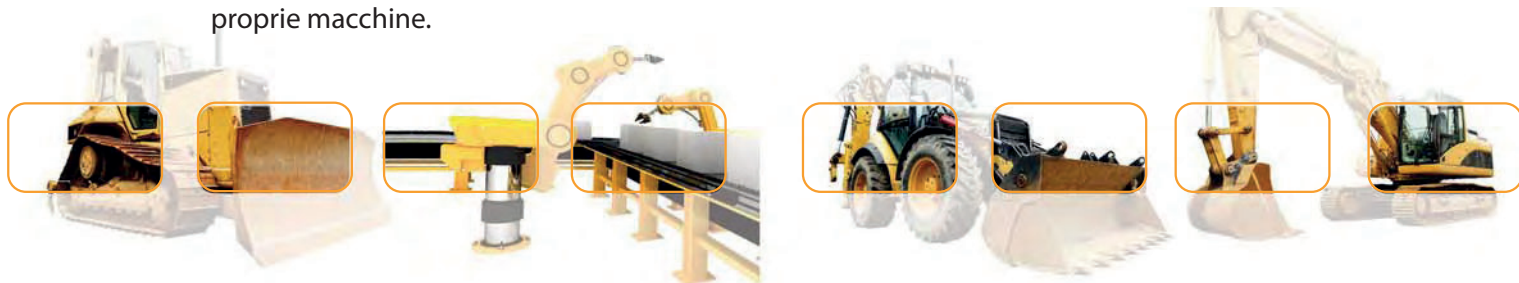
Con tutta l'esperienza e il know-how di cui dispone, Mini Press ha messo a punto **"Rapid System"**, una gamma completa di componenti miniaturizzati che consentono di monitorare ogni singolo sistema, localizzando tempestivamente il problema e impedendo l'insorgenza di altre complicazioni. **"Rapid System"** 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



Rubinetti 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



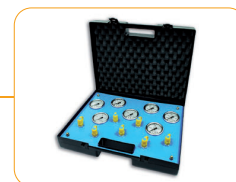
- 16 ► **Tubo capillare per alta pressione e raccordi**
Micro hose for high pressure and fittings



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



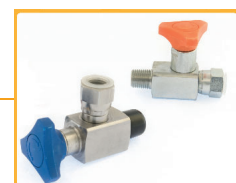
- 37 ► **Strumenti portatili prova pressione**
Portable hydraulic instruments for pressure testing



- 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



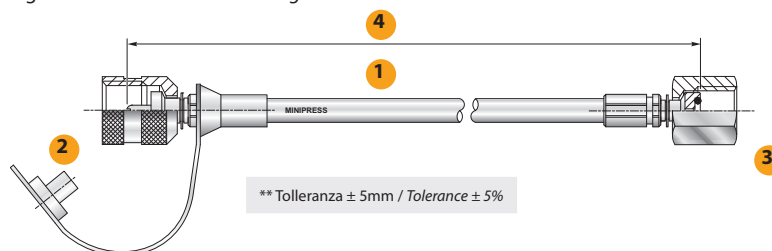
- 43 ► **Pressa pneumo-idraulica per microtubi**
Pneumo-hydraulic crimping machine for microhoses




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) 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

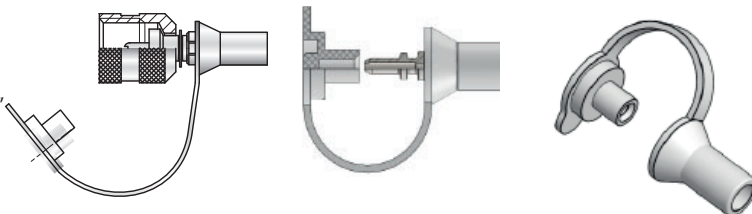
-AI Acciaio inossidabile:
codice raccordo o tubo + "-AI"
Stainless steel:
fitting or hose assembly code + "-AI"

-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

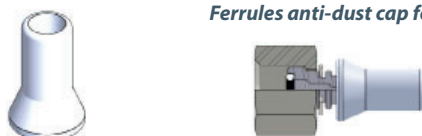
Anti-dust plastic cap suitable for RD2 and RD4 F16X2, 16X1,5, S12,65X1,65 and plug-in fittings



Codice/Ref.
32CP0000
32CP0004

Parapolvere protettivo per boccola in plastica per raccordi RD2 e RD4

Ferrules anti-dust cap for RD2 and RD4 fittings

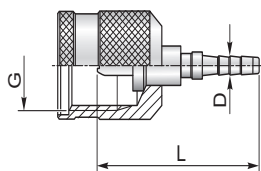


Codice/Ref.
32CS0000
32CS0004

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

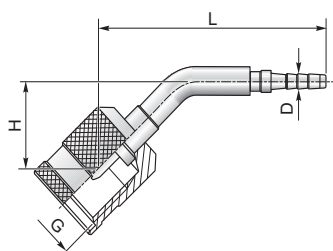
Test coupling threaded female fitting



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

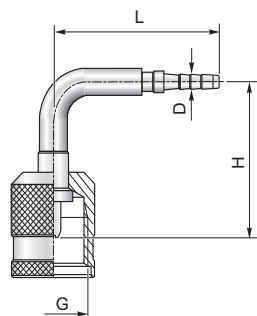
* Disponibili in acciaio
inossidabile/ Available in
Stainless steel

45°



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

90°



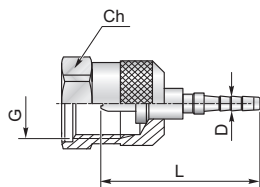
Tubo / Hose	G	L	H	D	Codice/Ref.
RD2	M16x2*	34.5	31.0	2.0	31TTN090
	M16x1.5	34.5	31.0	2.0	31TTS090
	M12.65x1.5	34.5	31	2.0	31S12090
RD3	M16x2	34.5	31.0	3.0	31TTN093
	M16x1.5	34.5	31.0	3.0	31TTS093
	M12.65x1.5	34.5	31	3.0	31S12093
RD4	M16x2	34.5	31.0	4.0	31TTN094
	M16x1.5	34.5	31.0	4.0	31TTS094
	M12.65x1.5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

* Disponibili in acciaio
inossidabile/ Available in
Stainless steel



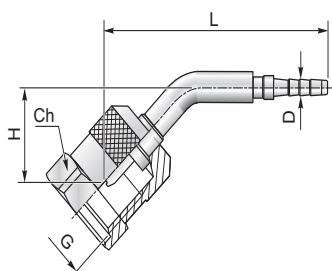
Raccordo connessione avvitabile per miniprese con dado esagonale

Test coupling threaded female fitting with hexagonal nut

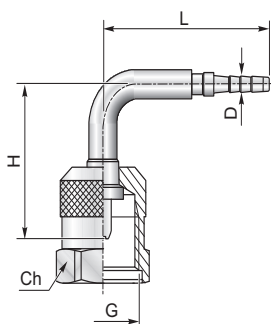


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	M16x2*	32.5	19	2.0	31TTN600
	M16x1.5	32.5	19	2.0	31TTS600
RD3	M16x2	37.2	19	3.0	31TTN603
	M16x1.5	37.2	19	3.0	31TTS603
RD4	M16x2	36.5	19	4.0	31TTN604
	M16x1.5	36.5	19	4.0	31TTS604

* 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



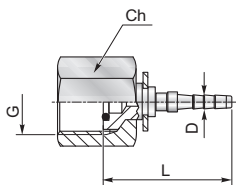
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



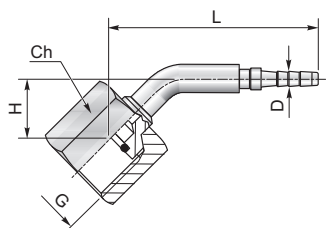
Raccordo connessione avvitabile per manometro

Gauges threaded fitting



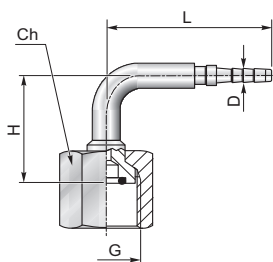
Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/4*	26	19	2.0	36140000
	G 3/8	24	22	2.0	36380000
	G 1/2*	33.5	27	2.0	36120000
	M12X1.5	26	14	2.0	36M20000
	M14X1.5	26	19	2.0	36M40000
	M20X1.5	33.5	24	2.0	36M20R00
RD3	G 1/4	30	19	3.0	36140R03
	G 1/2	37.5	27	3.0	36120R03
	M20X1.5	37.5	24	3.0	36M20R03
RD4	G 1/4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



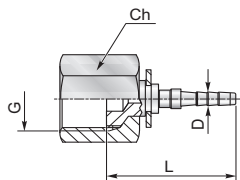
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Tubo / Hose	G	H	L	Ch	D	Codice/Ref.
RD2	G 1/4	25.0	38.0	19	2.0	36140090
	G 1/2	37.5	41.5	27	2.0	36120090
	M20X1.5	37.5	41.5	24	2.0	36M20R90
RD3	G 1/4	25.0	38.0	19	3.0	36140R93
	G 1/2	37.5	41.5	27	3.0	36120R93
	M20X1.5	37.5	41.5	24	3.0	36M20R93
RD4	G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

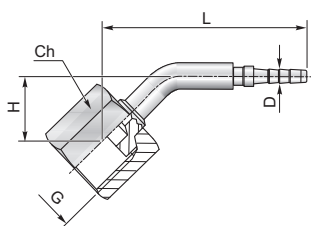


Raccordo connessione avvitabile per manometro con rondella di rame

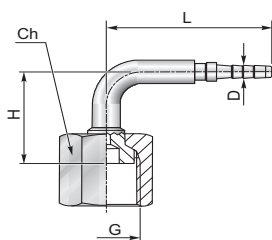
Gauges threaded fitting with copper ring



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	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
RD3	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
RD4	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.
RD2	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
RD3	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
RD4	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.
RD2	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
RD3	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
RD4	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



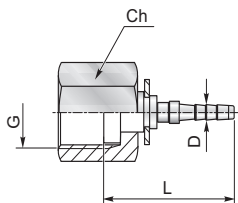
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings

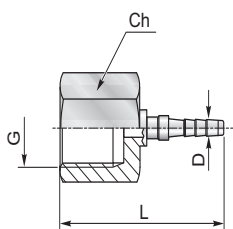


Raccordo connessione avvitabile per manometro

Gauges threaded fitting

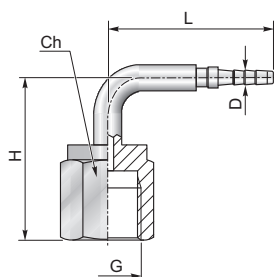


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/8	22.6	14	2.0	4918DF00
	G 1/4	23.5	17	2.0	4914DF00
RD3	G 1/8	26.6	14	3.0	4918DF03
	G 1/4	27.5	17	3.0	4914DF03
RD4	G 1/8	26.6	14	4.0	4918DF04
	G 1/4	27.5	17	4.0	4914DF04



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**



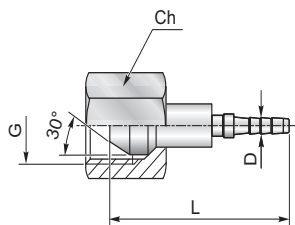
90°

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



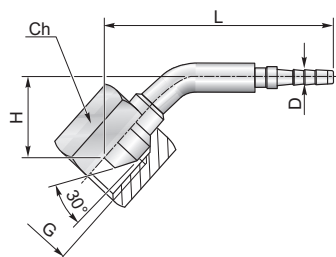
Raccordo femmina girevole connessione cono 60° tipo DKR

Swivel female fitting 60° cone connection type DKR



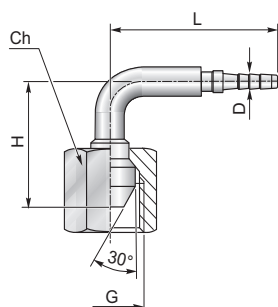
Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/8*	24	14	2.0	38180000
	G 1/4*	26	17	2.0	38140000
	G 3/8	29	22	2.0	38380000
	M14x1.5	26	17	2.0	38141500
	M12x1.5	24	14	2.0	38121500
RD3	G 1/8*	28	14	3.0	38180003
	G 1/4	30	17	3.0	38140003
	M10x1	28	12	3.0	38100003
RD4	G 1/8*	28	14	4.0	38180004
	G 1/4*	30	17	4.0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



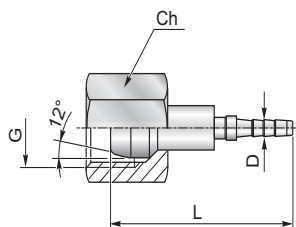
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings

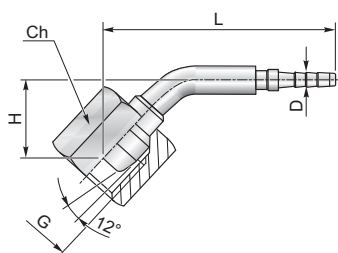


Raccordo femmina girevole connessione cono 24° tipo DKL

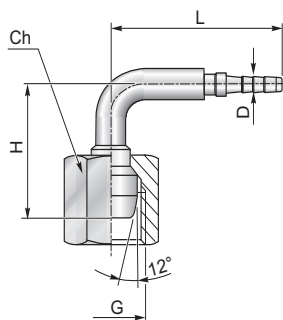
Swivel female fitting 24° cone connection type DKL



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

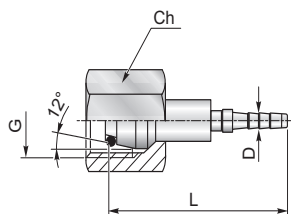


90°							
Tubo / Hose	Ø	G	H	L	Ch	D	Codice/Ref.
RD2	6	M12x1.5	22.5	40	14	2.0	45R00090
	8	M14x1.5	36.5	39.5	17	2.0	45R20090
	10	M16x1.5	35.8	42.7	19	2.0	45R50090
RD3	6	M12x1.5	22.5	45	14	3.0	45R00093
	8	M14x1.5	36.5	43.9	17	3.0	45R20093
	10	M16x1.5	35.8	46.7	19	3.0	45R50093
RD4	6	M12x1.5	22.5	45	14	4.0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



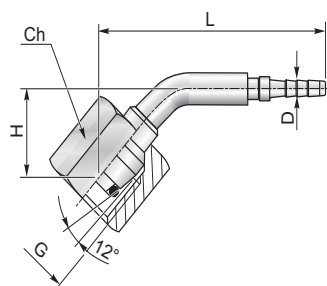
Raccordo femmina girevole connessione cono 24° tipo DKOL

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

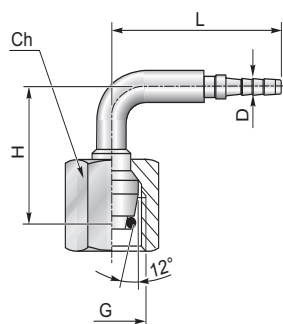
* Disponibili in acciaio
inossidabile/ Available in
Stainless steel



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



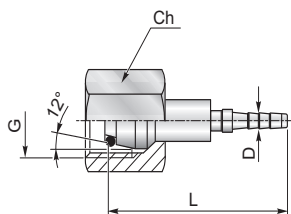
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings

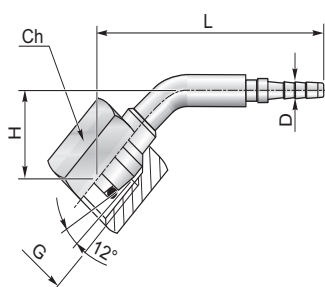


Raccordo femmina girevole connessione cono 24° tipo DKOLL

Swivel female fitting 24° cone connection type DKOLL

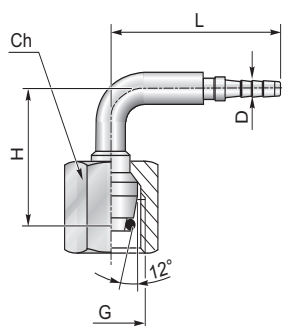


Tubo / Hose	Ø	G	L	Ch	D	Codice/Ref.
RD2	4	M8x1	28	10	2.0	46R00000
	6	M10x1	30	12	2.0	46R10000
RD3	4	M8x1	32	10	3.0	46R00003
	6	M10x1	35	12	3.0	46R10003
RD4	4	M8x1	32	10	4.0	46R00004
	6	M10x1	34	12	4.0	46R10004



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



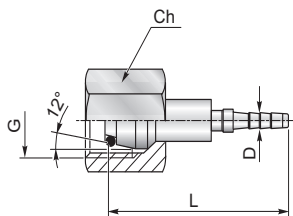
90°

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

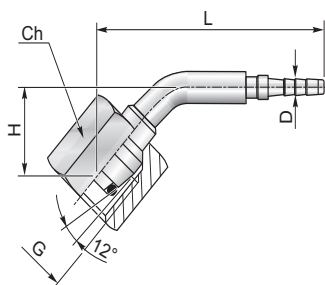
Swivel female fitting 24° cone connection type DKOS



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

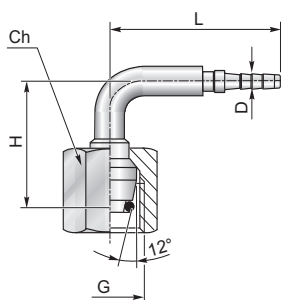
45°



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



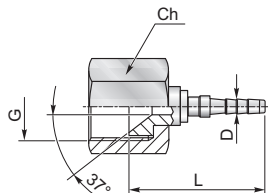
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



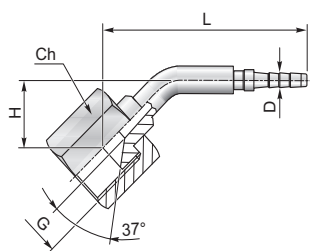
Raccordo femmina girevole connessione JIC 74° tipo DKJ

Swivel female fitting JIC 74° connection type DKJ

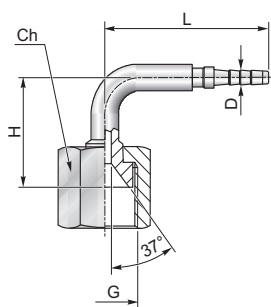


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	7/16-20 UNF*	25	14	2.0	39160000
	1/2-20 UNF	26	17	2.0	39120000
	3/8-24 UNF*	24.5	12	2.0	3938J000
	9/16-18 UNF	28.5	17	2.0	3991J000
RD3	7/16-20 UNF	29	14	3.0	39160003
	1/2-20 UNF	30	17	3.0	39120003
	3/8-24 UNF	27	12	3.0	3938J003
	9/16-18 UNF	32.5	17	3.0	3991J003
RD4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



45°						
Tubo / Hose	G	H	L	Ch	D	Codice/Ref.
RD2	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
RD3	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
RD4	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



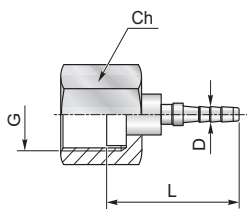
90°						
Tubo / Hose	G	H	L	Ch	D	Codice/Ref.
RD2	7/16-20 UNF*	25	37	14	2.0	39160090
	1/2-20 UNF	25	36.5	17	2.0	39120090
	3/8-24 UNF	24	40	12	2.0	3938J090
RD3	7/16-20 UNF	24.5	45	14	3.0	39160093
	1/2-20 UNF	25	41.5	17	3.0	39120093
	3/8-24 UNF	24	40	12	3.0	3938J093
RD4	7/16-20 UNF*	24.5	45	14	4.0	39160094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

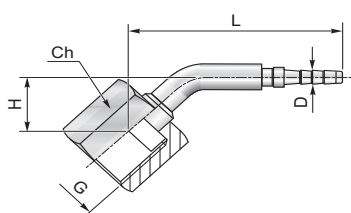


Raccordo femmina tipo ORFS

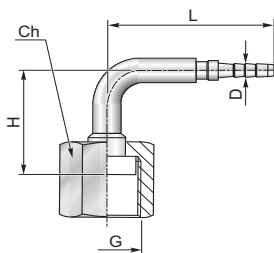
ORFS female fitting, UNF thread



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



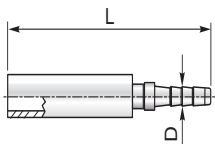
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



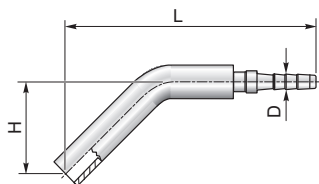
Raccordi a codolo liscio

Standpipe fitting



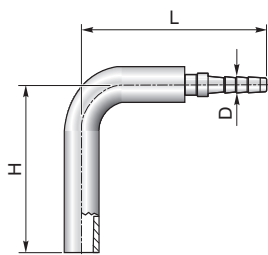
Tubo / Hose	Ø	L	D	Codice/Ref.
RD2	4	36	2.0	34R70000
	6*	36	2.0	34R00000
	8*	36	2.0	34R30000
	10	36	2.0	34R50000
RD3	4	41	3.0	34R70003
	6	36	3.0	34R00003
	8	37.5	3.0	34R30003
RD4	4	41	4.0	34R70004
	6	41	4.0	34R00004
	8	41	4.0	34R30004

** 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



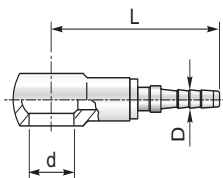
90°

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



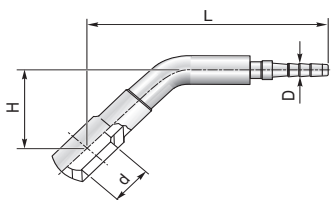
Raccordo ad occhio e bullone forato

Banjo fitting and banjo screw

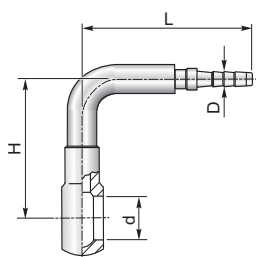


Tubo / Hose	d	Dado Forato / Banjo Screw	L	D	Codice/Ref.
RD2	6	M6X1	36.5	2.0	42R40000
	8	M8X1	29.5	2.0	42R10000
	10	M10X1 - G1/8	31.5	2.0	42R00000
RD3	8*	M8X1	29.5	3.0	42R10003
	10	M10X1 - G1/8	31.5	3.0	42R00003
RD4	8*	M8X1	34.5	4.0	42R10004
	10	M10X1 - G1/8	36.5	4.0	42R00004
	14	M14X1,5 - G1/4	40.5	4.0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

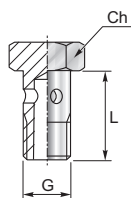
* Disponibili in acciaio inossidabile/ Available in Stainless steel



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

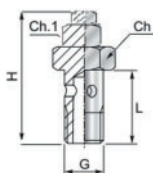


G	L	Ch	Codice/Ref.
M8x1*	17	12	42R0HS00
M10x1	19	14	42R1HS00
G1/8	18	14	4218HS00

* 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



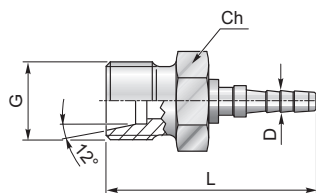
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



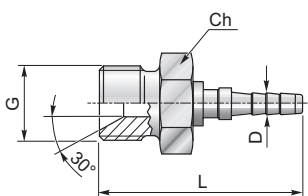
Raccordi maschio fisso

Male fittings

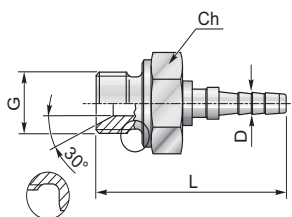


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	M12x1.5	32	14	2.0	44MFLR00
	M14x1.5	32	17	2.0	44MFLR10
	M16x1.5	33	19	2.0	44MFLR30
RD3	M12x1.5	36	14	3.0	44MFLR03
	M14x1.5	36	17	3.0	44MFLR13
	M16x1.5	37	19	3.0	44MFLR33
RD4	M12x1.5	37	14	4.0	44MFLR04
	M14x1.5	37	17	4.0	44MFLR14
	M16x1.5	38	19	4.0	44MFLR34

Serie L / L Series

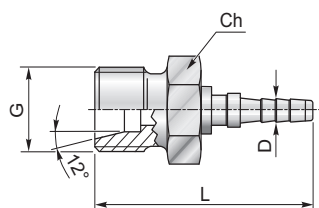


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/8	31	14	2.0	44MFG180
	G 1/4	36	19	2.0	44MFG140
RD3	G 1/8	36.5	14	3.0	44MFG183
	G 1/4	38.5	19	3.0	44MFG143
RD4	G 1/8	39	14	4.0	44MFG184
	G 1/4	38.5	19	4.0	44MFG144
	G 3/8	42.5	22	4.0	44MFG384



Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/8	33.5	14	2.0	44MFM180
	G 1/4	37.5	19	2.0	44MFM140
RD3	G 1/8	35	14	3.0	44MFM183
	G 1/4	41	19	3.0	44MFM143
RD4	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.
RD2	M14x1.5	34	17	2.0	44MFSR00
	M16x1.5*	34	19	2.0	44MFSR10
	M18x1.5	35.5	22	2.0	44MFSR20
RD3	M14x1.5	38	17	3.0	44MFSR03
	M16x1.5	38	19	3.0	44MFSR13
	M18x1.5	38.5	22	3.0	44MFSR23
RD4	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

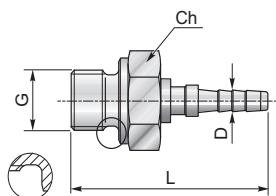
Serie S / S Series

* Disponibili in acciaio
inossidabile/ Available in
Stainless steel



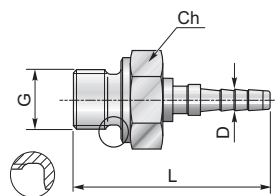
Raccordi maschio fisso

Male fittings



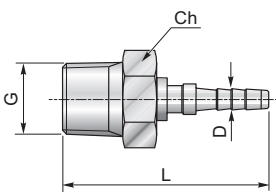
Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	M8x1	32	12	2.0	44MFDR00
	M10x1	32	14	2.0	44MFDR10
	M12x1.5	33	17	2.0	44MFDR30
	M5x1	32	12	2.0	44MFDRM5
RD3	M8x1	36	12	3.0	44MFDR03
	M10x1	36	14	3.0	44MFDR13
	M12x1.5	37	17	3.0	44MFDR33
RD4	M8x1	37	12	4.0	44MFDR04
	M10x1	37	14	4.0	44MFDR14
	M12x1.5	38	17	4.0	44MFDR34

Sede piana / Flat sealing

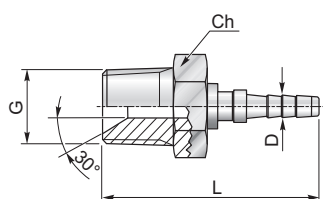


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	G 1/8	30.5	14	2.0	44MFD180
	G 1/4	35.5	19	2.0	44MFD140
RD3	G 1/8	35.5	14	3.0	44MFD183
	G 1/4	41	19	3.0	44MFD143
RD4	G 1/8	35.5	14	4.0	44MFD184
	G 1/4	41	19	4.0	44MFD144

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



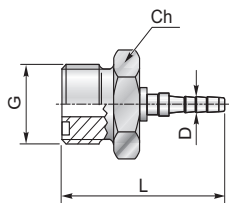
Tubo capillare per alta pressione e raccordi

Micro hose for high pressure and fittings



Raccordo maschio tipo ORFS

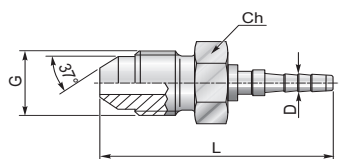
ORFS male fitting, UNF thread



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

Raccordo maschio JIC 74°

JIC 74° Male fitting

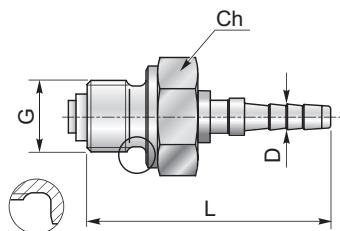


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD2	3/8-28 UNF	34	12	2.0	44AJ3800
	7/16-20 UNF*	38	14	2.0	44AJ7100
	1/2-20 UNF	39	17	2.0	44AJ1200
RD3	3/8-24 UNF	38	12	3.0	44AJ3803
	7/16-20 UNF	42	14	3.0	44AJ7103
	1/2-20 UNF	43	17	3.0	44AJ1203
RD4	3/8-24 UNF	38	12	4.0	44AJ3804
	7/16-20 UNF	42	14	4.0	44AJ7104
	1/2-20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

* Disponibili in acciaio
inossidabile/ Available in
Stainless steel

Raccordo maschio per porta manometro

Gauge male fitting

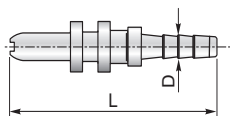


Tubo / Hose	G	L	Ch	D	Codice/Ref.
RD4	ISO 228 G 1/4"	44	17	4.0	44GC1404



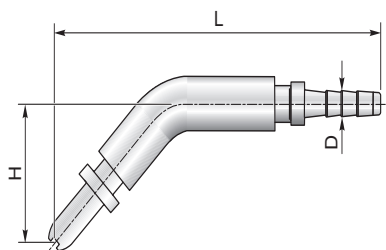
Innesto per minipresa a baionetta

Plug-in connection

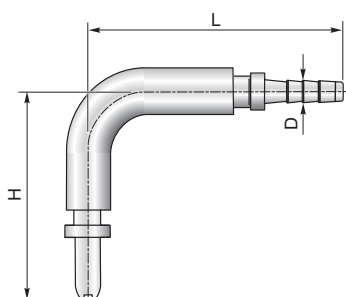


Tubo / Hose	L	D	Codice/Ref.
RD2*	27	2.0	33TD0000
RD3	31	3.0	33TD0003
RD4	31	4.0	33TD0004

* Disponibili in acciaio
inossidabile/ Available in
Stainless steel



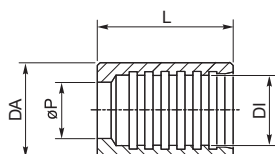
45°				
Tubo / Hose	H	L	D	Codice/Ref.
RD2	22	56	2.0	33TD0040
RD3	24	59	3.0	33TD0043
RD4	24	59	4.0	33TD0044



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. / 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.

MINI PRESS s.r.l.

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