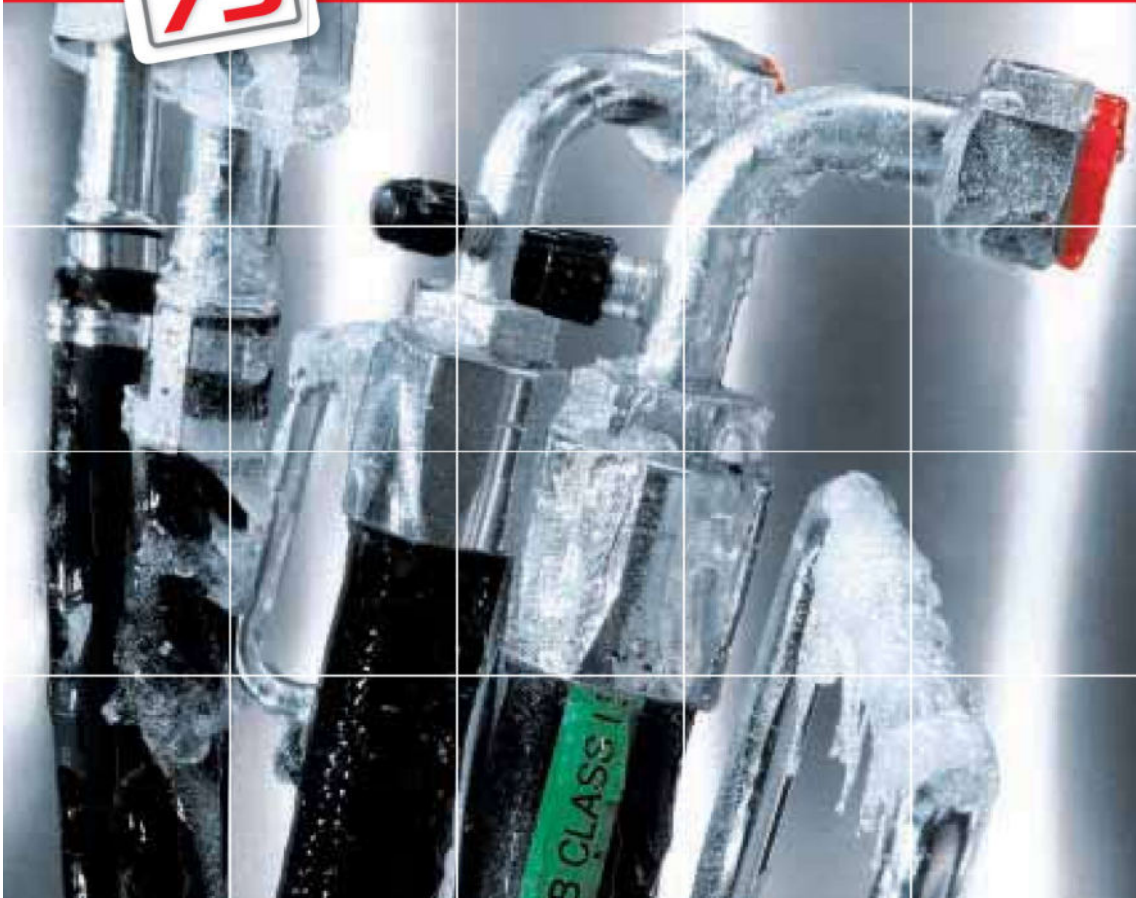


REFRIGERATION

1935-2010
75°



Fluid connectors, solid solutions

 **manuli**[®]
HYDRAULICS

REFRIGERATION



INTRODUCTION - PRODUCT RANGE

GB

Manuli Refrigeration offer consists of reinforced rubber hoses, fittings, hose assemblies and kits.

The Refrigeration offer is designed specifically to satisfy the most restricted requirements aimed to the development of:

- **air conditioning and mobile refrigeration** systems for "on-road industrial vehicles"
- **air conditioning systems** applied on off-highway industrial vehicles such as: agricultural machines, earth-moving machines, forestry machines, etc.

The above systems are supplied both directly to manufacturers which need significant product volumes and through the sales service Manuli Hydraulics network.



Bus air conditioning

Aire acondicionado para buses
Klimatisierung von Bussen
Aria condizionata per bus

ES

La oferta de Refrigeración consiste en las reconocidas mangueras de caucho reforzado Manuli, acoples, ensambles de mangueras y kits.

La oferta de Refrigeración está diseñada específicamente para satisfacer los requerimientos más estrictos enfocados al desarrollo de:

- **aire acondicionado para buses** y sistemas móviles de refrigeración para "vehículos industriales en movimiento"
- **sistemas de aire acondicionado** aplicado en vehículos industriales fuera de carretera como: máquinas para la agricultura, máquinas para mover tierra, máquinas cosechadoras, etc.

Los sistemas arriba mencionados son suministrados directamente a los fabricantes que necesitan volúmenes significativos de producto y a través la red de ventas y servicio Manuli Hydraulics.



Off highway air conditioning

Aire acondicionado para vehículos fuera de carretera
Klimatisierung von Land-, Forst und Baumaschinen
Aria condizionata per applicazioni off highway

D

Das Kältemittelschlauch-Angebot besteht aus den wohlbekannten Manuli Gummischläuchen mit Einlage, Armaturen, Schlauchleitungen und einem Kit für Klima- und mobile Kühlanlagen.

Das Kältemittelschlauch-Angebot wurde entwickelt um die härtesten Anforderungen zu erfüllen in folgenden Bereichen:

- **Klimatisierung von Bussen** und **mobile Kühlsysteme** für den Einsatz in Straßenfahrzeugen.
- **Klimaanlagen** für Nicht-Straßenfahrzeuge wie Land-, Forst- und Baumaschinen, etc.

Die oben genannten Komponenten werden sowohl direkt an Hersteller mit entsprechendem Bedarf als auch von unsere Verkauf und Service Netzwerk Manuli Hydraulics.

IT

L'offerta Refrigeration è composta dalla gamma di tubi in gomma rinforzati, raccordi, assemblati flessibili e kit per applicazioni aria condizionata e refrigerazione mobile.

L'offerta Refrigeration è studiata per soddisfare le richieste più esigenti relative allo sviluppo di:

- sistemi **aria condizionata** per veicoli "on-road" (bus) e sistemi per la **refrigerazione mobile**
- sistemi **aria condizionata** per veicoli "offhighway" (macchine agricole, macchine movimento terra, macchine forestali, ecc.).

Tali sistemi vengono forniti sia direttamente ai costruttori che necessitano di volumi significativi di prodotto sia tramite la rete di vendita e di servizio Manuli Hydraulics.



Mobile refrigeration

Refrigeración móvil
Mobile Kühlanlagen
Refrigerazione mobile

GB

Manuli Hydraulics, which has always been committed to offering its customers the best possible service, has developed: a special "field-attachable" fitting technology allowing a convenient mounting and disassembly operation, in particular:

- Frigodic® fitting range technology
- Reusable fitting range technology

Furthermore crimped fitting solution is completely integrated on all hose lines.

The appendix describes the main steps to assemble correctly our products.

Please browse through the above procedures before consulting our catalogue and selecting the most suitable product for your need.

Manuli Hydraulics supplies also full-equipped fittings (you can order 1 code receiving the insert plus the correspondent clamp/ferrule).

On demand fitting for special application can be manufactured (codesign with the custode will be very appreciate).

D

Manuli Hydraulics die Ihren Kunden stets den optimalen Service bieten möchte, hat eine spezielle vor Ort anwendbare Armaturen-Technologie entwickelt, im Speziellen:

- Frigodic® Armaturen Technologie
- wiederverwendbare Armaturen Technologie (Schraubarmaturen).

Für alle Anwendungen die eine Verpressung erfordern, steht eine eigene Armaturen-Reihe zur Verfügung, voll integriert mit unseren Schlauch-Reihen.

Im Anhang finden Sie die Anleitung für die korrekte Montage unserer Produkte.

Bitte lesen Sie diese Seiten aufmerksam durch, bevor Sie in der Produktübersicht die für Sie am besten geeigneten Produkte auswählen.

Manuli Hydraulics liefert auch Komplettarmaturen (mit nur einer Teilenummer erhalten Sie Nippel und zugehörige Fassung komplett).

Auf anfrage sonderarmaturen nach Kundenwunsch auf Anfrage ertlich.

ES

Manuli Hydraulics, que ha estado siempre comprometida a ofrecer a sus clientes el mejor servicio posible, ha desarrollado: una tecnología especial "acorde a la necesidad" permitiendo un montaje conveniente y operación de desensamblaje, en particular:

- tecnología para la gama de racors Frigodic®
- tecnología para la gama de racors reusables

Además la solución de racores prensados está integrado en todas las líneas de manguera.

El apéndice describe los pasos principales para ensamblar correctamente nuestros productos.

Por favor examine los procedimientos antes de consultar nuestro catálogo y seleccionar el producto más conveniente para sus necesidades.

Manuli Hydraulics suministra también racores completos (usted puede pedir 1 referencia, recibiendo la espiga y el correspondiente casquillo/abrazadera).

A solicitud racores para aplicaciones especiales pueden ser fabricados (el codiseno con el cliente sera muy apreciado).

IT

Da sempre orientato a fornire al Cliente il miglior servizio possibile, Manuli Hydraulics ha sviluppato una speciale tecnologia di raccordi "field-attachable" che consentono di effettuare in modo semplice le operazioni di montaggio e smontaggio sul veicolo, in particolare:

- tecnologia con raccordi tipo Frigodic®
- tecnologia con raccordi tipo recuperabili.

Per tutte le applicazioni che non necessitano di tale funzione, è disponibile una gamma mirata di raccordi a pressione totalmente integrata su ogni linea di tubi.

Nell'appendice sono descritti i principali passi necessari per effettuare le corrette operazioni di assemblaggio.

Vi invitiamo a visionare tali procedure prima di consultare il catalogo e scegliere il prodotto più rispondente alle vostre necessità. Manuli Hydraulics fornisce anche raccordi completi (ordinando 1 codice si riceve l'inserto e la corrispondente boccola o fascetta).




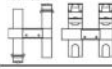


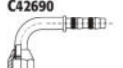
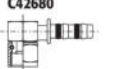

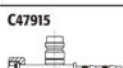

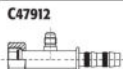
Su richiesta è possibile produrre raccordi per applicazioni speciali 8la progettazione in collaborazione col cliente è apprezzata).

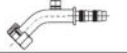



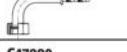
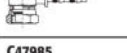
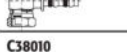
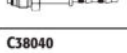
| HOSE | INSERT | CLAMP | FERRULE | ONE-PIECE |
|------------------|-----------------------------------------|--------|---------|------------------------|
| REFRIMASTER | FRIGODIC (field attachable solution) | C01000 | C00700 | - |
| REFRIMASTER PLUS | | C01050 | C00750 | - |
| REFRISTAR | STAR-FIT (reusable solution) | - | K00400 | - |
| | STAR-CRIMP (crimped solution) | - | C00300 | - |
| REFRIFAST | - | - | - | FAST-CRIMP (OPC serie) |

FITTINGS



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











| REFERENCE | DESCRIPTION | PAGE |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| FRIGOCLIC® | | |
| C00700  | REFRIMASTER FERRULE CASQUILLO REFRIMASTER REFRIMASTER FASSUNG BOCCOLA REFRIMASTER | 590 |
| C00750  | REFRIMASTER PLUS FERRULE CASQUILLO REFRIMASTER PLUS REFRIMASTER PLUS FASSUNG BOCCOLA REFRIMASTER PLUS | 590 |
| C01000  | REFRIMASTER CLAMP ABRAZADERA REFRIMASTER REFRIMASTER KLAMMER FASCETTA REFRIMASTER | 590 |
| C01050  | REFRIMASTER PLUS CLAMP ABRAZADERA REFRIMASTER PLUS REFRIMASTER PLUS KLAMMER FASCETTA REFRIMASTER PLUS | 591 |
| C42610  | 45° SAE STRAIGHT FEMALE HEMBRA 45° SAE RECTO 45° SAE DICHTKOPF GERADE FEMMINA 45° SAE - DRITTO | 591 |
| C42640  | 45° SAE FEMALE 45° ELBOW HEMBRA RECTA SAE CODO 45° 45° SAE DICHTKOPF - 45° BOGEN FEMMINA 45° SAE - CURVA 45° | 591 |
| C42690  | 45° SAE FEMALE 90° ELBOW HEMBRA 45° SAE CODO 90° 45° SAE DICHTKOPF - 90° BOGEN FEMMINA 45° SAE - CURVA 90° | 592 |
| C42680  | SHORT VERSION 45° SAE FEMALE 90° ELBOW HEMBRA 45° SAE TIPO CORTO CODO 90° 45° SAE DICHTKOPF KURZE VERSION - 90° BOGEN FEMMINA 45° SAE - TIPO CORTO - CURVA 90° | 592 |
| C47910  | STRAIGHT O-RING FEMALE HEMBRA O-RING RECTO DICHTKOPF O-RING GERADE FEMMINA O-RING - DRITTO | 593 |
| C47915  | STRAIGHT O-RING FEMALE WITH HIGH PRESSURE VALVE HEMBRA O-RING RECTO CON VÁLVULA DE ALTA PRESION DICHTKOPF O-RING GERADE MIT HOCHDRUCKVENTIL FEMMINA O-RING - DRITTO CON VALVOLA ALTA PRESSIONE | 593 |
| C47916  | STRAIGHT O-RING FEMALE WITH LOW PRESSURE VALVE HEMBRA O-RING RECTO CON VÁLVULA DE BAJA PRESION DICHTKOPF O-RING GERADE MIT NIEDERDRUCKVENTIL FEMMINA O-RING - DRITTO CON VALVOLA BASSA PRESSIONE | 594 |
| C47912  | STRAIGHT O-RING FEMALE 1/4\" SAE CHARGE VALVE HEMBRA O-RING RECTO CON VÁLVULA DE CARGA 1/4\" SAE DICHTKOPF O-RING GERADE MIT 1/4\" SAE FÜLLVENTIL FEMMINA O-RING - DRITTO CON VALVOLA DI CARICA 1/4\" SAE | 594 |

| REFERENCE | DESCRIPTION | PAGE |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  C47940 | O-RING FEMALE 45° ELBOW HEMBRA O-RING CODO 45° DICHTKOPF O-RING - 45° BOGEN FEMMINA O-RING - CURVA 45° | 594 |
|  C47945 | O-RING FEMALE 45° ELBOW WITH HIGH PRESSURE VALVE HEMBRA O-RING CODO 45° CON VÁLVULA DE ALTA PRESION DICHTKOPF O-RING - 45° BOGEN MIT HOCHDRUCKVENTIL FEMMINA O-RING - CURVA 45° CON VALVOLA ALTA PRESSIONE | 595 |
|  C47946 | O-RING FEMALE 45° ELBOW WITH LOW PRESSURE VALVE HEMBRA O-RING CODO 45° CON VÁLVULA DE BAJA PRESION DICHTKOPF O-RING - 45° BOGEN MIT NIEDERDRUCKVENTIL FEMMINA O-RING - CURVA 45° CON VALVOLA BASSA PRESSIONE | 595 |
|  C47990 | O-RING FEMALE 90° ELBOW HEMBRA O-RING CODO 90° DICHTKOPF O-RING - 90° BOGEN FEMMINA O-RING - CURVA 90° | 595 |
|  C47995 | O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE HEMBRA O-RING CODO 90° CON VÁLVULA DE ALTA PRESION DICHTKOPF O-RING - 90° BOGEN MIT HOCHDRUCKVENTIL FEMMINA O-RING - CURVA 90° CON VALVOLA ALTA PRESSIONE | 596 |
|  C47996 | O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE HEMBRA O-RING CODO 90° CON VÁLVULA DE BAJA PRESION DICHTKOPF O-RING - 90° BOGEN MIT NIEDERDRUCKVENTIL FEMMINA O-RING - CURVA 90° CON VALVOLA BASSA PRESSIONE | 596 |
|  C47992 | O-RING FEMALE 90° ELBOW WITH 1/4\" SAE CHARGE VALVE HEMBRA O-RING CODO 90° CON VÁLVULA DE CARGA 1/4\" SAE DICHTKOPF O-RING - 90° BOGEN MIT 1/4\" SAE FÜLLVENTIL FEMMINA O-RING - CURVA 90° CON VALVOLA DI CARICA 1/4\" SAE | 596 |
|  C47980 | SHORT VERSION O-RING FEMALE 90° ELBOW HEMBRA O-RING TIPO CORTO CODO 90° DICHTKOPF O-RING KURZE VERSION - 90° BOGEN FEMMINA O-RING TIPO CORTO - CURVA 90° | 597 |
|  C47985 | SHORT VERSION O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE ALTA PRESION DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT HOCHDRUCKVENTIL FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA ALTA PRESSIONE | 597 |
|  C47986 | SHORT VERSION O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE BAJA PRESION DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT NIEDERDRUCKVENTIL FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA BASSA PRESSIONE | 597 |
|  C38010 | STRAIGHT O-RING MALE MACHO O-RING RECTO AUSSENGEWINDE O-RING GERADE MASCIO O-RING - DRITTO | 598 |
|  C38040 | O-RING MALE 45° ELBOW MACHO O-RING CODO 45° AUSSENGEWINDE O-RING - 45° BOGEN MASCIO O-RING - CURVA 45° | 598 |

FITTINGS


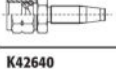
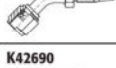



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|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  C38090 | O-RING MALE 90° ELBOW MACHO O-RING CODO 90° AUSSENGEWINDE O-RING - 90° BOGEN MASCHIO O-RING - CURVA 90° | 599 |
|  C38092 | O-RING MALE 90° ELBOW WITH 1/4" SAE CHARGE VALVE MACHO O-RING CODO 90° CON VÁLVULA DE CARGA 1/4" SAE AUSSENGEWINDE O-RING - 90° BOGEN MIT 1/4" SAE FÜLLVENTIL MASCHIO O-RING - CURVA 90° CON VALVOLA DI CARICA 1/4" SAE | 599 |
|  C47610 | STRAIGHT FITTING FOR EXPANSION VALVE CONEXION RECTA PARA VÁLVULA DE EXPANSIÓN ANSCHLUSS FÜR EXPANSIONSVENTIL GERADE RACCORDO DRITTO PER VALVOLA D'ESPANSIONE | 599 |
|  C47640 | FITTING FOR EXPANSION VALVE 45° ELBOW CONEXION PARA VÁLVULA DE EXPANSION CODO 45° ANSCHLUSS FÜR EXPANSIONSVENTIL 45° BOGEN RACCORDO PER VALVOLA D'ESPANSIONE CURVA 45° | 600 |
|  C47690 | FITTING FOR EXPANSION VALVE 90° ELBOW CONEXION PARA VÁLVULA DE EXPANSION CODO 90° ANSCHLUSS FÜR EXPANSIONSVENTIL 90° BOGEN RACCORDO PER VALVOLA D'ESPANSIONE CURVA 90° | 600 |
|  C30010 | STRAIGHT CONNECTION FITTINGS RACORES PARA CONEXION RECTOS GERADER VERBINDER GIUNZIONE DRITTA | 600 |
|  C300T0 | 3 WAYS CONNECTION FITTINGS RACORES PARA CONEXION DE 3 VIAS 3 - WEGE VERBINDER GIUNZIONE A TRE VIE | 601 |
|  C300Y0 | "Y" CONNECTION FITTING CONEXION EN "Y" „Y" VERBINDER GIUNZIONE A "Y" | 601 |
|  C300H0 | "H" CONNECTION FITTINGS CONEXION EN "H" „H" VERBINDER GIUNZIONE AD "H" | 602 |
|  C30015 | STRAIGHT CONNECTION FITTING WITH HIGH PRESSURE VALVE CONEXION RECTA CON VÁLVULA DE ALTA PRESION GERADER VERBINDER MIT HOCHDRUCKVENTIL GIUNZIONE DRITTA CON VALVOLA DI ALTA PRESSIONE | 602 |
|  C30016 | STRAIGHT CONNECTION FITTING WITH LOW PRESSURE VALVE CONEXION RECTA CON VÁLVULA DE BAJA PRESION GERADER VERBINDER MIT NIEDERDRUCKVENTIL GIUNZIONE DRITTA CON VALVOLA DI BASSA PRESSIONE | 603 |
|  C30012 | STRAIGHT CONNECTION FITTING 1/4" SAE CHARGE VALVE CONEXION RECTA CON VÁLVULA DE CARGA 1/4" SAE GERADER VERBINDER MIT 1/4" SAE FÜLLVENTIL GIUNZIONE DRITTA CON VALVOLA DI CARICA 1/4" SAE | 603 |

| REFERENCE | DESCRIPTION | PAGE |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|  C30040 | CONNECTION FITTING 45° ELBOW CONEXION CODO 45 VERBINDER - 45° BOGEN GIUNZIONE - CURVA 45° | 603 |
|  C30090 | CONNECTION FITTING 90° ELBOW CONEXION CODO 90° VERBINDER - 90° BOGEN GIUNZIONE - CURVA 90° | 604 |
|  C42410 | STRAIGHT ORS FLAT SEAL FEMALE HEMBRA ORS ASIENTO PLANO RECTO ORS DICHTKOPF FLACHDICHTEND FEMMINA TENUTA FRONTALE ORS | 604 |
|  C42440 | ORS FLAT SEAL FEMALE 45° ELBOW HEMBRA ORS ASIENTO PLANO CODO 45° ORS DICHTKOPF FLACHDICHTEND - 45° BOGEN° FEMMINA TENUTA FRONTALE ORS - CURVA 45° | 605 |
|  C42490 | ORS FLAT SEAL FEMALE 90° ELBOW HEMBRA ORS ASIENTO PLANO CODO 90° ORS DICHTKOPF FLACHDICHTEND - 90° BOGEN° FEMMINA TENUTA FRONTALE ORS - CURVA 90° | 605 |
|  C37910 | STRAIGHT MALE WITH O-RING SEAT MACHO RECTO CON O-RING AUSSENGEWINDE MIT O-RING SITZ GERADE MASCCHIO SEDE O-RING - DRITTO | 606 |
|  C37990 | MALE WITH O-RING SEAT 90° ELBOW MACHO CON O-RING CODO 90° AUSSENGEWINDE MIT O-RING SITZ - 90° BOGEN MASCCHIO SEDE O-RING - CURVA 90° | 606 |

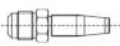
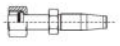
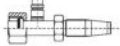
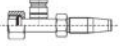
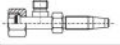


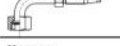
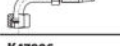

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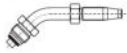



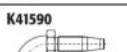
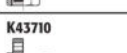
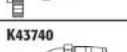

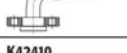


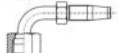
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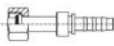
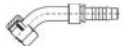


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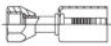







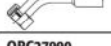

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









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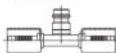





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|  OPC27985 | SHORT VERSION O-RING FEMALE WITH HIGH PRESSURE VALVE HEMBRA O-RING TIPO CORTO CON VÁLVULA DE ALTA PRESION O-RING DICHTKOPF 90° BOGEN MIT HOCHDRUCKVENTIL KURZE VERSION FEMMINA O-RING TIPO CORTO CURVA 90° CON VALVOLA AD ALTA PRESSIONE | 636 |
|  OPC27986 | SHORT VERSION O-RING FEMALE WITH LOW PRESSURE VALVE HEMBRA O-RING TIPO CORTO CON VÁLVULA DE BAJA PRESION O-RING DICHTKOPF 90° BOGEN MIT NIEDRIGDRUCKVENTIL KURZE VERSION FEMMINA O-RING TIPO CORTO CURVA 90° CON VALVOLA A BASSA PRESSIONE | 637 |
|  OPC18010 | STRAIGHT O-RING MALE MACHO O-RING RECTO O-RING AUSSENGEWINDE GERADE MASCCHIO O-RING DRITTO | 637 |
|  OPC18040 | O-RING MALE 45° ELBOW MACHO O-RING CODO 45° O-RING AUSSENGEWINDE 45° BOGEN MASCCHIO O-RING CURVA 45° | 637 |
|  OPC18090 | O-RING MALE 90° ELBOW MACHO O-RING CODO 90° O-RING AUSSENGEWINDE 90° BOGEN MASCCHIO O-RING CURVA 90° | 638 |
|  OPC27610 | STRAIGHT FITTING FOR EXPANSION VALVE CONEXION RECTA PARA VÁLVULA DE EXPANSIÓN GERADE NIPPEL FÜR FÜLLVENTIL RACCORDO DRITTO PER VALVOLA DI ESPANSIONE | 638 |
|  OPC27640 | FITTING FOR EXPANSION VALVE 45° ELBOW CONEXION PARA VÁLVULA DE EXPANSION CODO 45° GERADE NIPPEL FÜR FÜLLVENTIL 45° BOGEN RACCORDO PER VALVOLA DI ESPANSIONE CURVA 45° | 638 |
|  OPC27690 | FITTING FOR EXPANSION VALVE 90° ELBOW CONEXION PARA VÁLVULA DE EXPANSION CODO 90° GERADE NIPPEL FÜR FÜLLVENTIL 90° BOGEN RACCORDO PER VALVOLA DI ESPANSIONE CURVA 90° | 639 |
|  OPC27695 | FITTING FOR EXPANSION VALVE WITH HIGH PRESSURE VALVE 90° ELBOW CONEXION PARA VÁLVULA DE EXPANSION CON VÁLVULA DE ALTA PRESION CODO 90° VERBINDUNGSSTÜCK FÜR AUSDEHNUNGSVENTIL 90° BOGEN MIT HOCHDRUCKVENTIL RACCORDO PER VALVOLA DI ESPANSIONE CURVA 90° CON VALVOLA AD ALTA PRESSIONE | 639 |

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|  OPC10010 | CONNECTION FITTING UNIÓN RECTA VERBINDER GERADE GIUNZIONE DRITTA | 640 |
|  OPC10015 | CONNECTION FITTING WITH HIGH PRESSURE VALVE UNIÓN CON VÁLVULA DE ALTA PRESION VERBINDER GERADE MIT HOCHDRUCKVENTIL GIUNZIONE DRITTA CON VALVOLA AD ALTA PRESSIONE | 640 |
|  OPC10016 | CONNECTION FITTING WITH LOW PRESSURE VALVE UNIÓN CON VÁLVULA DE BAJA PRESION VERBINDER GERADE MIT NIEDRIGDRUCKVENTIL GIUNZIONE DRITTA CON VALVOLA A BASSA PRESSIONE | 640 |
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ULTRASTAR

INNOVATIVE RUBBER CONSTRUCTION, SUPERIOR BARRIER TYPE IMPERMEABILITY



| TECHNICAL DATA | | | | | | | | | | | | | | | | | |
|----------------|-----------|------|--------|---------|------|------|------|----------|-----|-------|------|-----------|------|--------|-------|--------------|--------------|
| PART REF. | HOSE SIZE | | | R. O. D | | O. D | | MAX. W.P | | BURST | | MIN. BEND | | WEIGHT | | FITTINGS | |
| | DN | dash | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | g/m | lb/ft | Std 1 | Std 2 |
| H01133005* | 5 | -4 | 3/16" | 11,2 | 0,44 | 13,0 | 0,51 | 35 | 500 | 150 | 2170 | 85 | 3,35 | 217 | 0,15 | SC+C00300-04 | SF+K00400-04 |
| H01133008* | 8 | -6 | 5/16" | 15,4 | 0,61 | 17,2 | 0,68 | 35 | 500 | 150 | 2170 | 85 | 3,35 | 336 | 0,23 | SC+C00300-06 | SF+K00400-06 |
| H01133010* | 10 | -8 | 13/32" | 17,5 | 0,69 | 19,3 | 0,76 | 35 | 500 | 150 | 2170 | 95 | 3,74 | 385 | 0,26 | SC+C00300-08 | SF+K00400-08 |
| H01133012* | 12 | -10 | 1/2" | 21,6 | 0,85 | 23,4 | 0,92 | 35 | 500 | 150 | 2170 | 115 | 4,53 | 533 | 0,36 | SC+C00300-10 | SF+K00400-10 |
| H01133016* | 16 | -12 | 5/8" | 25,5 | 1,00 | 27,3 | 1,07 | 35 | 500 | 150 | 2170 | 135 | 5,31 | 676 | 0,45 | SC+C00300-12 | SF+K00400-12 |
| H01133022* | 22 | -16 | 7/8" | 29,5 | 1,16 | 31,5 | 1,24 | 35 | 500 | 150 | 2170 | 100 | 3,94 | 724 | 0,49 | SC+C00300-16 | SF+K00400-16 |
| H01133028* | 28 | -20 | 1.1/8" | 36,1 | 1,42 | 38,1 | 1,50 | 35 | 500 | 150 | 2170 | 120 | 4,72 | 900 | 0,60 | SC+C00300-20 | SF+K00400-20 |
| H01133035* | 35 | -24 | 1.3/8" | 42,8 | 1,69 | 44,8 | 1,76 | 35 | 500 | 150 | 2170 | 120 | 4,72 | 1214 | 0,82 | | SF+K00400-24 |

KEY FEATURES

- Very low permeability to refrigerant fluids (performance with R134a < 5 kg/m²/yr), equivalent to type E hoses
- High flexibility

APPLICATIONS & FLUIDS

- Bus and off-highway equipment air-conditioning systems
- Recommended lubricants: PAG, POE
- Not recommended with refrigerant gases using mineral oils as lubricants
- Refrigerants: R134a; R1234yf

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F
125 °C, 257 °F

TUBE

Unique molecular barrier compound made from synthetic rubber (CIIR) and advanced materials

REINFORCEMENT

One steel wire braid

COVER

High temperature and environment resistant synthetic rubber

APPLICABLE SPECS

SAE J3062 Type B Class I (meets the performance of Type E); SAE J2064

TYPE APPROVALS

CU-TR

REMARKS



- Guaranteed performance only with Manuli fittings
- Ask Manuli Hydraulics about other refrigerants and lubricants

REFRIMASTER PLUS

UNIVERSAL REFRIGERANTS HOSE WITH ULTRA LOW PERMEABILITY



TECHNICAL DATA

| PART REF. | HOSE SIZE | | | R.O.D | | O.D | | MAX. W.P | | BURST | | MIN. BEND | | WEIGHT | | FITTINGS | |
|------------|-----------|------|--------|-------|------|------|------|----------|-----|-------|------|-----------|------|--------|-------|--------------|--------------|
| | DN | dash | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | g/m | lb/ft | Std 1 | Std 2 |
| H09071008* | 8 | -6 | 5/16" | | | 12,9 | 0,51 | 35 | 500 | 250 | 3620 | 40 | 1,57 | 80 | 0,05 | FC+C00700-06 | FC+C01000-06 |
| H09071010* | 10 | -8 | 13/32" | | | 16,2 | 0,64 | 35 | 500 | 250 | 3620 | 50 | 1,97 | 152 | 0,10 | FC+C00700-08 | FC+C01000-08 |
| H09071013* | 13 | -10 | 1/2" | | | 20,6 | 0,81 | 35 | 500 | 150 | 2170 | 70 | 2,76 | 235 | 0,16 | FC+C00750-10 | FC+C01050-10 |
| H09071016* | 16 | -12 | 5/8" | | | 24,0 | 0,94 | 35 | 500 | 150 | 2170 | 80 | 3,15 | 285 | 0,19 | FC+C00750-12 | FC+C01050-12 |
| H09071022* | 22 | -16 | 7/8" | | | 31,0 | 0,94 | 35 | 500 | 150 | 2170 | 120 | 4,72 | 405 | 0,27 | FC+C00750-16 | |

KEY FEATURES

- Universal hose, compatible with the most common compressor lubricants
- Low permeability to refrigerant fluid
- Field attachable and crimped solutions available with Frigoclic® insert
- Small bending radius
- Improved resistance to kinking

APPLICATIONS & FLUIDS

- Air conditioning systems (off-highway machines, buses, etc.)
- Mobile refrigeration systems
- Compatibility with the most common compressor lubricants (PAG, POE, mineral oils)
- Compatibility with a wide range of refrigerants (R134a, R404A, R407C, R1234yf)

CONTINUOUS SERVICE TEMPERATURE RANGE

- 40 °C, -40 °F
- 125 °C, 257 °F

TUBE

High temperature resistant thermoplastic (PA) veneer

REINFORCEMENT

One textile braid

COVER

High temperature and environment resistant synthetic rubber (EPDM)

APPLICABLE SPECS

SAE J3062 Type E_u Class I; SAE J2064

TYPE APPROVALS

CU-TR

REMARKS



- *Guaranteed performance only with Manuli fittings*
- *Ask Manuli Hydraulics about other refrigerants and lubricants*

REFRIFAST

COMPACT, LIGHT, FLEXIBLE HOSE FOR GENERAL AIR-CON APPLICATIONS



| TECHNICAL DATA | | | | | | | | | | | | | | | | | |
|----------------|-----------|------|--------|-------|------|------|------|----------|-----|-------|------|-----------|------|--------|-------|----------|-------|
| PART REF. | HOSE SIZE | | | R.O.D | | O.D | | MAX. W.P | | BURST | | MIN. BEND | | WEIGHT | | FITTINGS | |
| | DN | dash | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | g/m | lb/ft | Std 1 | Std 2 |
| H09068008* | 8 | -6 | 5/16" | | | 15,5 | 0,61 | 35 | 500 | 150 | 2170 | 30 | 1,18 | 165 | 0,11 | OPC-06 | |
| H09068010* | 10 | -8 | 13/32" | | | 18,0 | 0,71 | 35 | 500 | 150 | 2170 | 50 | 1,97 | 200 | 0,13 | OPC-08 | |
| H09068012* | 13 | -10 | 1/2" | | | 20,0 | 0,79 | 35 | 500 | 150 | 2170 | 60 | 2,36 | 230 | 0,15 | OPC-10 | |
| H09068016* | 16 | -12 | 5/8" | | | 23,5 | 0,93 | 35 | 500 | 150 | 2170 | 80 | 3,15 | 295 | 0,20 | OPC-12 | |

KEY FEATURES

- Higher compact dimensions within Type A hoses, and outside diameter comparable to reduced barrier hoses
- Low weight
- Easy installation in constrained spaces
- High flexibility and low bend radius
- Low refrigerant permeability and moisture ingress

APPLICATIONS & FLUIDS

- Bus and off-highway equipment air-conditioning systems
- Recommended lubricants: PAG, POE
- Not recommended with refrigerant gases using mineral oils as lubricants
- Refrigerants: R134a; R1234yf

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F
125 °C, 257 °F

TUBE

CIIR - Low refrigerant fluid permeability and compatibility with the most common compressor lubricants

REINFORCEMENT

One textile braid

COVER

High temperature and environment resistant synthetic rubber

APPLICABLE SPECS

SAE J3062 Type A Class I; SAE J2064

TYPE APPROVALS

CU-TR

REMARKS



- *Guaranteed performance only with Manuli fittings*
- *Ask Manuli Hydraulics about other refrigerants and lubricants*

FRIGOCLIC® FITTINGS

SAE J2064 TYPE E

REFRIMASTER

REFRIMASTER PLUS

C00700

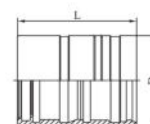
REFRIMASTER FERRULE
CASQUILLO REFRIMASTER
REFRIMASTER FASSUNG
BOCCOLA REFRIMASTER



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|------|--------|---------------|------|--|--|--|--|
| | DN | Dash | inch | D | L | | | | |
| C00700-06 | 8 | - 06 | 5/16" | 19,5 | 39,6 | | | | |
| C00700-08 | 10 | - 08 | 13/32" | 22,5 | 40,3 | | | | |
| C00700-10 | 13 | - 10 | 1/2" | 25,0 | 40,3 | | | | |
| C00700-12 | 16 | - 12 | 5/8" | 29,0 | 41,0 | | | | |

C00750

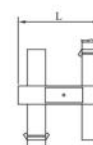
REFRIMASTER PLUS FERRULE
CASQUILLO REFRIMASTER PLUS
REFRIMASTER PLUS FASSUNG
BOCCOLA REFRIMASTER PLUS



| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|------|------|---------------|------|--|--|--|--|
| | DN | Dash | inch | D | L | | | | |
| C00750-10 | 13 | - 10 | 1/2" | 27,5 | 40,3 | | | | |
| C00750-12 | 16 | - 12 | 5/8" | 31,3 | 41,0 | | | | |
| C00750-16 | 22 | - 16 | 7/8" | 38,0 | 48,5 | | | | |

C01000

REFRIMASTER CLAMP
ABRAZADERA REFRIMASTER
REFRIMASTER KLAMMER
FASCETTA REFRIMASTER



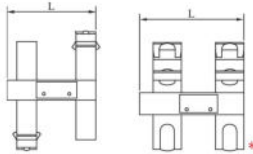
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|------|--------|---------------|--|--|--|--|--|
| | DN | Dash | inch | L | | | | | |
| C01000-06 | 8 | - 06 | 5/16" | 27,5 | | | | | |
| C01000-08 | 10 | - 08 | 13/32" | 27,5 | | | | | |
| C01000-10 | 13 | - 10 | 1/2" | 27,5 | | | | | |
| C01000-12 | 16 | - 12 | 5/8" | 27,5 | | | | | |

REFRI^{❄️} MASTER

REFRI^{❄️} MASTER PLUS

FRIGOCLIC[®] FITTINGS

SAE J2064 TYPE E

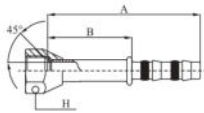


C01050

REFRIMASTER PLUS CLAMP
ABRAZADERA REFRIMASTER PLUS
REFRIMASTER PLUS KLAMMER
FASCETTA REFRIMASTER PLUS

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | |
|------------|-----------|------|------|---------------|--|--|--|--|
| | DN | Dash | inch | L | | | | |
| C01050-10 | 13 | - 10 | 1/2" | 27,5 | | | | |
| C01050-12 | 16 | - 12 | 5/8" | 27,5 | | | | |
| C01050-16 | 22 | - 16 | 7/8" | 33,1 | | | | |

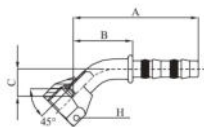
* For C01050-16 only / Solo para el código C01050-16 / Nur für C01050-16 / Valida solo per il codice C01050-16.



C42610

45° SAE STRAIGHT FEMALE
HEMBRA 45° SAE RECTO
45° SAE DICHTKOPF GERADE
FEMMINA 45° SAE - DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-----------------|---------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C42610-06-04 | 8 | - 06 | 5/16" | 7/16"-20-UNF-2B | 78,5 | 39,9 | | 14 |
| C42610-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 77,8 | 39,2 | | 19 |
| C42610-08-06 | 10 | - 08 | 13/32" | 5/8"-18-UNF-2B | 78,0 | 39,4 | | 19 |
| C42610-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 86,1 | 47,5 | | 22 |
| C42610-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 84,0 | 45,4 | | 22 |
| C42610-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 86,3 | 47,7 | | 27 |
| C42610-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 87,0 | 48,4 | | 27 |



C42640

45° SAE FEMALE 45° ELBOW
HEMBRA RECTA SAE CODO 45°
45° SAE DICHTKOPF - 45° BOGEN
FEMMINA 45° SAE - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C42640-06-04 | 8 | - 06 | 5/16" | 7/16"-20-UNF-2B | 82,5 | 43,9 | 18,0 | 14 |
| C42640-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 83,6 | 45,0 | 14,0 | 19 |
| C42640-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 91,3 | 52,7 | 16,0 | 22 |
| C42640-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 102,3 | 63,7 | 16,0 | 27 |
| C42640-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 100,5 | 61,9 | 16,0 | 27 |
| C42640-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 95,7 | 57,1 | 26,5 | 32 |

FRIGOCLIC® FITTINGS

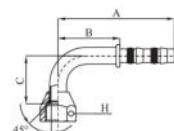
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C42690

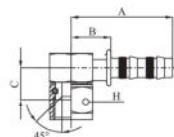
45° SAE FEMALE 90° ELBOW
HEMBRA 45° SAE CODO 90°
45° SAE DICHTKOPF - 90° BOGEN
FEMMINA 45° SAE - CURVA 90°



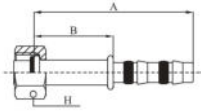
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C42690-06-04 | 8 | -06 | 5/16" | 7/16"-20-UNF-2B | 70,5 | 31,9 | 33,0 | 14 |
| C42690-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 81,8 | 43,2 | 26,0 | 19 |
| C42690-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2B | 77,0 | 38,4 | 26,0 | 19 |
| C42690-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 82,7 | 44,1 | 34,0 | 22 |
| C42690-10-08 | 13 | -10 | 1/2" | 3/4"-16-UNF-2B | 86,0 | 47,4 | 34,0 | 22 |
| C42690-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 103,1 | 64,5 | 37,0 | 27 |
| C42690-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 99,0 | 60,4 | 37,0 | 27 |
| C42690-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 85,1 | 46,5 | 53,0 | 32 |

C42680

SHORT VERSION 45° SAE FEMALE 90° ELBOW
HEMBRA 45° SAE TIPO CORTO CODO 90°
45° SAE DICHTKOPF KURZE VERSION - 90° BOGEN
FEMMINA 45° SAE - TIPO CORTO - CURVA 90°



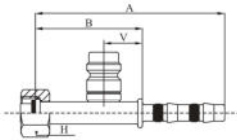
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C42680-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 63,0 | 24,5 | 20,0 | 27 |



C47910

STRAIGHT O-RING FEMALE
HEMBRA O-RING RECTO
DICHTKOPF O-RING GERADE
FEMMINA O-RING - DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C47910-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 68,9 | 30,3 | 19 | |
| C47910-06-08 | 8 | - 06 | 5/16" | 3/4"-16-UNF-2B | 83,5 | 44,9 | 22 | |
| C47910-08-06 | 10 | - 08 | 13/32" | 5/8"-18-UNF-2B | 74,0 | 35,4 | 19 | |
| C47910-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 85,0 | 46,4 | 22 | |
| C47910-08-08105 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 105,0 | 66,4 | 22 | |
| C47910-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 86,0 | 44,4 | 25 | |
| C47910-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 103,0 | 64,4 | 22 | |
| C47910-10-08103 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 103,0 | 64,4 | 22 | |
| C47910-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 85,0 | 46,5 | 27 | |
| C47910-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 82,4 | 43,8 | 29 | |
| C47910-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 87,6 | 49,0 | 27 | |
| C47910-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 86,0 | 47,4 | 29 | |
| C47910-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 94,2 | 55,6 | 32 | |
| C47910-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 104,5 | 58,4 | 32 | |



C47915

STRAIGHT O-RING FEMALE WITH HIGH PRESSURE VALVE
HEMBRA O-RING RECTO CON VÁLVULA DE ALTA PRESION
DICHTKOPF O-RING GERADE MIT HOCHDRUCKVENTIL
FEMMINA O-RING - DRITTO CON VALVOLA ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C47915-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 88,9 | 50,3 | 19 | 18,1 |
| C47915-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 95,0 | 56,5 | 22 | 24,0 |
| C47915-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 86,0 | 47,4 | 29 | 26,9 |
| C47915-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 97,0 | 58,4 | 22 | 26,0 |
| C47915-12-10 | 16 | - 10 | 5/8" | 7/8"-14-UNF-2B | 94,0 | 55,4 | 27 | 26,0 |

FRIGOCLIC® FITTINGS

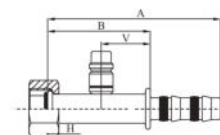
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C47916

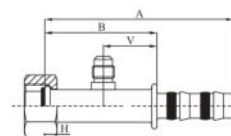
STRAIGHT O-RING FEMALE WITH LOW PRESSURE VALVE
HEMBRA O-RING RECTO CON VÁLVULA DE BAJA PRESION
DICHTKOPF O-RING GERADE MIT NIEDERDRUCKVENTIL
FEMMINA O-RING - DRITTO CON VALVOLA BASSA PRESSIONE



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C47916-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 95,0 | 56,4 | 27 | 27,0 |
| C47916-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 82,4 | 43,8 | 29 | 22,3 |
| C47916-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 94,0 | 55,4 | 27 | 26,0 |

C47912

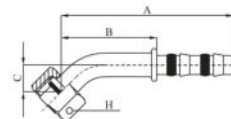
STRAIGHT O-RING FEMALE 1/4" SAE CHARGE VALVE
HEMBRA O-RING RECTO CON VÁLVULA DE CARGA 1/4" SAE
DICHTKOPF O-RING GERADE MIT 1/4" SAE FÜLLVENTIL
FEMMINA O-RING - DRITTO CON VALVOLA DI CARICA 1/4" SAE



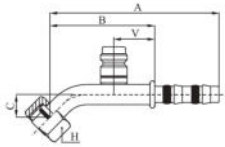
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47912-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 95,0 | 56,4 | 27,0 | 27 |

C47940

O-RING FEMALE 45° ELBOW
HEMBRA O-RING CODO 45°
DICHTKOPF O-RING - 45° BOGEN
FEMMINA O-RING - CURVA 45°



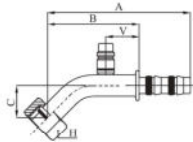
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47940-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 84,9 | 46,3 | 12,5 | 19 |
| C47940-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 91,3 | 52,7 | 13,5 | 22 |
| C47940-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 106,0 | 67,4 | 22,0 | 25 |
| C47940-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 87,0 | 48,4 | 13,5 | 22 |
| C47940-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 107,7 | 69,1 | 24,0 | 27 |
| C47940-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 105,2 | 67,3 | 22,0 | 29 |
| C47940-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 108,5 | 69,9 | 24,0 | 27 |
| C47940-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 106,5 | 67,9 | 22,0 | 29 |
| C47940-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 115,9 | 77,3 | 27,0 | 32 |
| C47940-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 124,9 | 78,8 | 27,0 | 32 |



C47945

O-RING FEMALE 45° ELBOW WITH HIGH PRESSURE VALVE
 HEMBRA O-RING CODO 45° CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING - 45° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING - CURVA 45° CON VALVOLA ALTA PRESSIONE

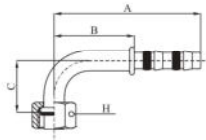
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C47945-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 101,3 | 62,7 | 13,5 | 22 | 24,4 |



C47946

O-RING FEMALE 45° ELBOW WITH LOW PRESSURE VALVE
 HEMBRA O-RING CODO 45° CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING - 45° BOGEN MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING - CURVA 45° CON VALVOLA BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C47946-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 107,7 | 69,1 | 24,0 | 27 | 25,2 |
| C47946-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 108,5 | 69,9 | 24,0 | 27 | 26,0 |



C47990

O-RING FEMALE 90° ELBOW
 HEMBRA O-RING CODO 90°
 DICHTKOPF O-RING - 90° BOGEN
 FEMMINA O-RING - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47990-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 72,9 | 34,3 | 24,0 | 19 |
| C47990-06-08 | 8 | - 06 | 5/16" | 3/4"-16-UNF-2B | 88,0 | 49,4 | 30,0 | 22 |
| C47990-08-06 | 10 | - 08 | 13/32" | 5/8"-18-UNF-2B | 79,0 | 40,4 | 24,0 | 19 |
| C47990-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 85,6 | 47,0 | 30,0 | 22 |
| C47990-08-08037 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 89,1 | 50,5 | 36,5 | 22 |
| C47990-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 84,0 | 45,4 | 39,0 | 25 |
| C47990-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 90,5 | 51,9 | 36,5 | 22 |
| C47990-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 104,0 | 65,4 | 45,0 | 27 |
| C47990-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 107,2 | 68,6 | 39,0 | 29 |
| C47990-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 101,0 | 62,4 | 45,0 | 27 |
| C47990-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 99,1 | 60,5 | 39,0 | 29 |
| C47990-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 104,9 | 66,3 | 54,5 | 32 |
| C47990-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2B | 109,5 | 63,4 | 45,0 | 27 |

FRIGOCLIC® FITTINGS

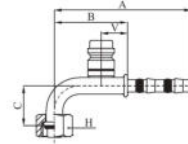
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C47995

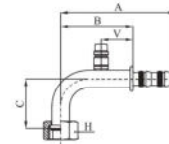
O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE
HEMBRA O-RING CODO 90° CON VÁLVULA DE ALTA PRESION
DICHTKOPF O-RING - 90° BOGEN MIT HOCHDRUCKVENTIL
FEMMINA O-RING - CURVA 90° CON VALVOLA ALTA PRESSIONE



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C47995-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 82,9 | 44,3 | 24,0 | 19 | 16,0 |
| C47995-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 89,1 | 50,5 | 36,5 | 22 | 24,5 |
| C47995-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 90,5 | 51,9 | 36,5 | 22 | 26,0 |

C47996

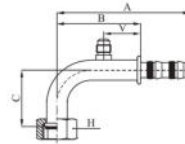
O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE
HEMBRA O-RING CODO 90° CON VÁLVULA DE BAJA PRESION
DICHTKOPF O-RING - 90° BOGEN MIT NIEDERDRUCKVENTIL
FEMMINA O-RING - CURVA 90° CON VALVOLA BASSA PRESSIONE



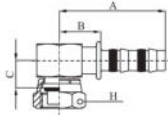
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C47996-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 103,9 | 65,3 | 45,0 | 27 | 28,8 |
| C47996-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 101,0 | 62,4 | 45,0 | 27 | 26,0 |

C47992

O-RING FEMALE 90° ELBOW WITH 1/4" SAE CHARGE VALVE
HEMBRA O-RING CODO 90° CON VÁLVULA DE CARGA 1/4" SAE
DICHTKOPF O-RING - 90° BOGEN MIT 1/4" SAE FÜLLVENTIL
FEMMINA O-RING - CURVA 90° CON VALVOLA DI CARICA 1/4" SAE



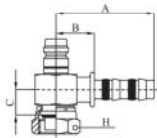
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C47992-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 89,1 | 50,5 | 36,5 | 22 | 24,6 |
| C47992-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 103,8 | 65,2 | 45,0 | 27 | 28,8 |



C47980

SHORT VERSION O-RING FEMALE 90° ELBOW
 HEMBRA O-RING TIPO CORTO CODO 90°
 DICHTKOPF O-RING KURZE VERSION - 90° BOGEN
 FEMMINA O-RING TIPO CORTO - CURVA 90°

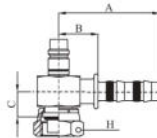
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47980-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 61,5 | 23,0 | 16,0 | 22 |
| C47980-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 63,5 | 25,0 | 16,4 | 29 |
| C47980-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 62,0 | 23,5 | 16,4 | 27 |
| C47980-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 63,0 | 24,5 | 16,4 | 29 |
| C47980-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 63,0 | 24,5 | 16,4 | 27 |
| C47980-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 63,5 | 25,0 | 24,2 | 29 |



C47985

SHORT VERSION O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|--------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47985-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 63,5 | 25,0 | 16,4 | 29 |



C47986

SHORT VERSION O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|--------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C47986-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 63,0 | 24,5 | 16,4 | 29 |
| C47986-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 63,5 | 25,0 | 24,2 | 25 |

FRIGOCLIC® FITTINGS

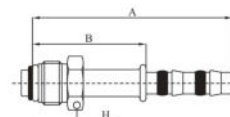
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C38010

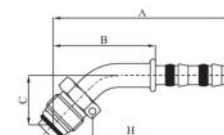
STRAIGHT O-RING MALE
MACHO O-RING RECTO
AUSSENGEWINDE O-RING GERADE
MASCHIO O-RING - DRITTO



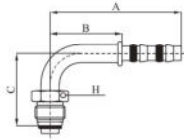
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C38010-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2A | 70,2 | 31,6 | 17 | |
| C38010-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2A | 74,0 | 35,4 | 17 | |
| C38010-08-08 | 10 | -08 | 13/32" | 3/4"-18-UNS-2A | 89,4 | 50,8 | 22 | |
| C38010-10-10 | 13 | -10 | 1/2" | 7/8"-18-UNS-2A | 91,6 | 53,0 | 22 | |
| C38010-12-10 | 16 | -12 | 5/8" | 7/8"-18-UNS-2A | 86,0 | 47,4 | 22 | |
| C38010-16-10 | 22 | -16 | 7/8" | 7/8"-18-UNS-2A | 94,5 | 48,4 | 22 | |

C38040

O-RING MALE 45° ELBOW
MACHO O-RING CODO 45°
AUSSENGEWINDE O-RING - 45° BOGEN
MASCHIO O-RING - CURVA 45°



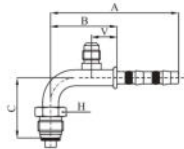
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C38040-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2A | 92,7 | 54,1 | 21,5 | 17 |
| C38040-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2A | 94,0 | 55,4 | 21,4 | 17 |
| C38040-08-08 | 10 | -08 | 13/32" | 3/4"-18-UNS-2A | 100,9 | 62,3 | 25,0 | 22 |
| C38040-10-10 | 13 | -10 | 1/2" | 7/8"-18-UNS-2A | 112,4 | 73,8 | 28,5 | 22 |
| C38040-12-10 | 16 | -12 | 5/8" | 7/8"-18-UNS-2A | 113,0 | 74,4 | 28,5 | 22 |
| C38040-12-12 | 16 | -12 | 5/8" | 1.1/16"-16-UN-2A | 123,0 | 84,3 | 33,4 | 27 |



C38090

O-RING MALE 90° ELBOW
 MACHO O-RING CODO 90°
 AUSSENGEWINDE O-RING - 90° BOGEN
 MASCHIO O-RING - CURVA 90°

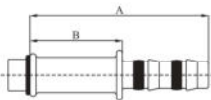
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² |
| C38090-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 80,6 | 42,0 | 37,5 | 17 |
| C38090-08-06 | 10 | - 08 | 13/32" | 5/8"-18-UNF-2A | 77,0 | 38,4 | 37,5 | 17 |
| C38090-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2A | 83,0 | 44,4 | 47,0 | 22 |
| C38090-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2A | 100,9 | 62,3 | 54,5 | 22 |
| C38090-12-10 | 16 | - 12 | 5/8" | 7/8"-18-UNS-2A | 99,0 | 60,4 | 54,5 | 22 |
| C38090-16-10 | 22 | - 16 | 7/8" | 7/8"-18-UNS-2A | 109,0 | 62,9 | 54,5 | 22 |



C38092

O-RING MALE 90° ELBOW WITH 1/4" SAE CHARGE VALVE
 MACHO O-RING CODO 90° CON VÁLVULA DE CARGA 1/4" SAE
 AUSSENGEWINDE O-RING - 90° BOGEN MIT 1/4" SAE FÜLLVENTIL
 MASCHIO O-RING - CURVA 90° CON VALVOLA DI CARICA 1/4" SAE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|-------|----------------|---------------|-------------------|-------------------|-----------------|------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² | H |
| C38092-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 80,2 | 41,6 | 37,5 | 17 | 16,0 |



C47610

STRAIGHT FITTING FOR EXPANSION VALVE
 CONEXION RECTA PARA VÁLVULA DE EXPANSIÓN
 ANSCHLUSS FÜR EXPANSIONSVENTIL GERADE
 RACCORDO DRITTO PER VALVOLA D'ESPANSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | | A ^{+2.5} | B ^{+2.5} | | |
| C47610-06-06 | 8 | - 06 | 5/16" | | 77,9 | 39,3 | | |
| C47610-08-06 | 10 | - 08 | 13/32" | | 84,1 | 45,5 | | |
| C47610-10-12 | 13 | - 10 | 1/2" | | 92,0 | 53,4 | | |
| C47610-12-12 | 16 | - 12 | 5/8" | | 92,0 | 53,4 | | |

FRIGOCLIC® FITTINGS

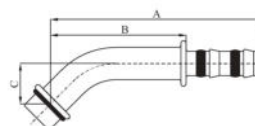
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C47640

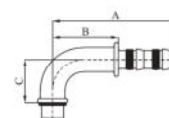
FITTING FOR EXPANSION VALVE 45° ELBOW
 CONEXION PARA VÁLVULA DE EXPANSION CODO 45°
 ANSCHLUSS FÜR EXPANSIONSVENTIL 45° BOGEN
 RACCORDO PER VALVOLA D'ESPANSIONE CURVA 45°



| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|-------------------|-------------------|-----------------|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} | |
| C47640-06-06 | 8 | - 06 | 5/16" | 105,0 | 66,4 | 14,0 | |
| C47640-10-12 | 13 | - 10 | 1/2" | 106,0 | 86,0 | 20,0 | |
| C47640-12-12 | 16 | - 12 | 5/8" | 115,9 | 77,3 | 27,0 | |

C47690

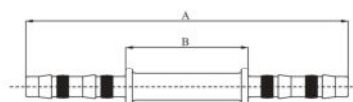
FITTING FOR EXPANSION VALVE 90° ELBOW
 CONEXION PARA VÁLVULA DE EXPANSION CODO 90°
 ANSCHLUSS FÜR EXPANSIONSVENTIL 90° BOGEN
 RACCORDO PER VALVOLA D'ESPANSIONE CURVA 90°



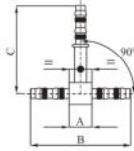
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|-------------------|-------------------|-----------------|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} | |
| C47690-06-06 | 8 | - 06 | 5/16" | 93,9 | 55,3 | 22,0 | |
| C47690-10-10 | 13 | - 10 | 1/2" | 103,8 | 65,2 | 45,0 | |
| C47690-10-12 | 13 | - 10 | 1/2" | 104,3 | 65,7 | 41,5 | |
| C47690-12-12 | 16 | - 12 | 5/8" | 99,0 | 60,4 | 41,5 | |

C30010

STRAIGHT CONNECTION FITTINGS
 RACORES PARA CONEXION RECTOS
 GERADER VERBINDER
 GIUNZIONE DRITTA



| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30010-06-06 | 8 | - 06 | 5/16" | 120,0 | 42,8 | | |
| C30010-08-08 | 10 | - 08 | 13/32" | 124,0 | 47,0 | | |
| C30010-10-10 | 13 | - 10 | 1/2" | 124,0 | 47,0 | | |
| C30010-12-12 | 16 | - 12 | 5/8" | 124,0 | 47,0 | | |
| C30010-16-16 | 22 | - 16 | 7/8" | 151,0 | 58,8 | | |

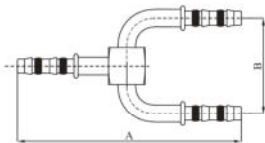


C300TO

3 WAYS CONNECTION FITTINGS
 RACORES PARA CONEXION DE 3 VIAS
 3 - WEGE VERBINDER
 GIUNZIONE A TRE VIE

| PART. REF. | HOSE SIZE 1 | | | HOSE SIZE 2 | | | HOSE SIZE 3 | | | DIMENSIONS mm | | |
|-----------------|-------------|------|--------|-------------|------|--------|-------------|------|--------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | DN | Dash | Inch | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C300TO-06-06-06 | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 22,8 | 100,0 | 85,5 |
| C300TO-06-06-08 | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 22,8 | 100,0 | 85,5 |
| C300TO-08-08-08 | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 08 | - 06 | 5/16" | 22,8 | 100,0 | 86,5 |
| C300TO-08-08-10 | 10 | - 08 | 13/32" | 10 | - 08 | 13/32" | 13 | - 10 | 1/2" | 22,8 | 100,0 | 86,5 |
| C300TO-08-10-10 | 13 | - 10 | 1/2" | 10 | - 08 | 13/32" | 10 | - 08 | 13/32" | 22,8 | 100,0 | 86,5 |
| C300TO-08-10-12 | 10 | - 08 | 13/32" | 10 | - 08 | 13/32" | 16 | - 12 | 5/8" | 22,8 | 100,0 | 86,5 |
| C300TO-10-10-10 | 13 | - 10 | 1/2" | 13 | - 10 | 1/2" | 13 | - 10 | 1/2" | 22,8 | 100,0 | 86,5 |
| C300TO-10-10-12 | 13 | - 10 | 1/2" | 13 | - 10 | 1/2" | 16 | - 12 | 5/8" | 22,8 | 100,0 | 86,5 |
| C300TO-10-12-12 | 16 | - 12 | 5/8" | 13 | - 10 | 1/2" | 16 | - 12 | 5/8" | 22,8 | 100,0 | 86,5 |
| C300TO-12-12-12 | 16 | - 12 | 5/8" | 16 | - 12 | 5/8" | 16 | - 12 | 5/8" | 22,8 | 100,0 | 88,5 |

For damp solution only / Unicamente para uso con abrazadera / Nur zur Anwendung mit Klemmen / Solo per applicazione fascetta



C300YO

"Y" CONNECTION FITTING
 CONEXION EN "Y"
 "Y" VERBINDER
 GIUNZIONE A "Y"

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C300YO-08-08-08 | 8 | - 08 | 13/32" | 152,5 | 65,0 | | |
| C300YO-12-12-12 | 16 | - 12 | 5/8" | 152,0 | 83,0 | | |

For damp solution only / Unicamente para uso con abrazadera / Nur zur Anwendung mit Klemmen / Solo per applicazione fascetta

FRIGOCLIC® FITTINGS

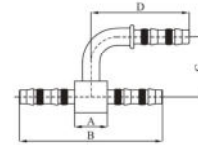
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C300H0

"H" CONNECTION FITTINGS
CONEXION EN "H"
„H" VERBINDER
GIUNZIONE AD "H"

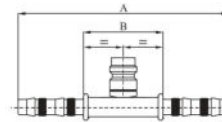


| PART. REF. | HOSE SIZE 1 | | | HOSE SIZE 2 | | | HOSE SIZE 3 | | | DIMENSIONS mm | | | |
|-----------------|-------------|------|--------|-------------|------|--------|-------------|------|--------|-------------------|-------------------|-----------------|-------------------|
| | DN | Dash | Inch | DN | Dash | Inch | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} | D ^{±2.5} |
| C300h0-06-06-10 | 08 | -06 | 5/16" | 08 | -06 | 5/16" | 13 | -10 | 1/2" | 22,8 | 100,0 | 62,5 | 78,0 |
| C300h0-08-08-08 | 10 | -08 | 13/32" | 10 | -08 | 13/32" | 10 | -08 | 13/32" | 22,8 | 100,0 | 42,5 | 68,0 |
| C300h0-08-08-06 | 10 | -08 | 13/32" | 10 | -08 | 13/32" | 08 | -06 | 5/16" | 22,8 | 100,0 | 42,5 | 72,0 |
| C300h0-06-10-06 | 13 | -10 | 1/2" | 08 | -06 | 5/16" | 08 | -06 | 5/16" | 22,8 | 100,0 | 48,5 | 65,0 |
| C300h0-10-10-06 | 13 | -10 | 1/2" | 13 | -10 | 1/2" | 08 | -06 | 5/16" | 22,8 | 100,0 | 48,5 | 65,0 |
| C300h0-10-10-12 | 13 | -10 | 1/2" | 13 | -10 | 1/2" | 16 | -12 | 5/8" | 22,8 | 100,0 | 62,5 | 75,0 |
| C300h0-10-12-10 | 16 | -12 | 5/8" | 13 | -10 | 1/2" | 13 | -10 | 1/2" | 22,8 | 100,0 | 62,5 | 78,0 |
| C300h0-12-12-10 | 16 | -12 | 5/8" | 16 | -12 | 5/8" | 13 | -10 | 1/2" | 22,8 | 100,0 | 42,5 | 68,5 |
| C300h0-12-12-12 | 16 | -12 | 5/8" | 16 | -12 | 5/8" | 16 | -12 | 5/8" | 22,8 | 100,0 | 62,5 | 75,0 |

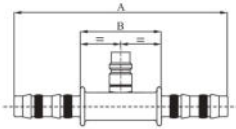
 For clamp solution only / Unicamente para uso con abrazadera / Nur zur Anwendung mit Klemmen / Solo per applicazione fascetta

C30015

STRAIGHT CONNECTION FITTING WITH HIGH PRESSURE VALVE
CONEXION RECTA CON VÁLVULA DE ALTA PRESION
GERADER VERBINDER MIT HOCHDRUCKVENTIL
GIUNZIONE DRITTA CON VALVOLA DI ALTA PRESSIONE



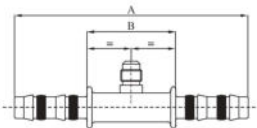
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30015-06-06 | 8 | -06 | 5/16" | 124,0 | 46,8 | | |
| C30015-08-08 | 10 | -08 | 13/32" | 124,0 | 47,0 | | |
| C30015-10-10 | 13 | -10 | 1/2" | 124,0 | 47,0 | | |
| C30015-12-12 | 16 | -12 | 5/8" | 124,0 | 47,0 | | |



C30016

STRAIGHT CONNECTION FITTING WITH LOW PRESSURE VALVE
 CONEXION RECTA CON VÁLVULA DE BAJA PRESION
 GERADER VERBINDER MIT NIEDERDRUCKVENTIL
 GIUNZIONE DRITTA CON VALVOLA DI BASSA PRESSIONE

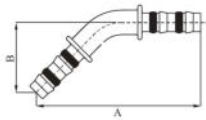
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30016-10-10 | 13 | - 10 | 1/2" | 124,0 | 47,0 | | |
| C30016-12-12 | 16 | - 12 | 5/8" | 124,0 | 47,0 | | |



C30012

STRAIGHT CONNECTION FITTING 1/4" SAE CHARGE VALVE
 CONEXION RECTA CON VÁLVULA DE CARGA 1/4" SAE
 GERADER VERBINDER MIT 1/4" SAE FÜLLVENTIL
 GIUNZIONE DRITTA CON VALVOLA DI CARICA 1/4" SAE

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30012-06-06 | 8 | - 06 | 5/16" | 120,0 | 43,0 | | |
| C30012-08-08 | 10 | - 08 | 13/32" | 124,0 | 47,0 | | |
| C30012-10-10 | 13 | - 10 | 1/2" | 124,0 | 47,0 | | |
| C30012-12-12 | 16 | - 12 | 5/8" | 124,0 | 47,0 | | |



C30040

CONNECTION FITTING 45° ELBOW
 CONEXION CODO 45
 VERBINDER - 45° BOGEN
 GIUNZIONE - CURVA 45°

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30040-06-06 | 8 | - 06 | 5/16" | 113,5 | 47,0 | | |
| C30040-08-08 | 10 | - 08 | 13/32" | 121,0 | 50,0 | | |
| C30040-10-10 | 13 | - 10 | 1/2" | 118,5 | 49,0 | | |
| C30040-12-12 | 16 | - 12 | 5/8" | 106,0 | 44,0 | | |

FRIGOCLIC® FITTINGS

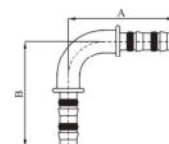
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C30090

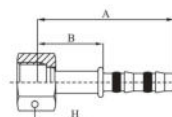
CONNECTION FITTING 90° ELBOW
 CONEXION CODO 90°
 VERBINDER - 90° BOGEN
 GIUNZIONE - CURVA 90°



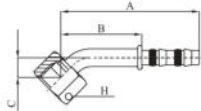
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|--|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | | |
| C30090-06-06 | 8 | - 06 | 5/16" | 70,0 | 70,0 | | |
| C30090-08-08 | 10 | - 08 | 13/32" | 75,0 | 75,0 | | |
| C30090-10-10 | 13 | - 10 | 1/2" | 75,0 | 75,0 | | |
| C30090-12-12 | 16 | - 12 | 5/8" | 75,0 | 75,0 | | |
| C30090-16-16 | 22 | - 16 | 7/8" | 93,5 | 93,5 | | |

C42410

STRAIGHT ORS FLAT SEAL FEMALE
 HEMBRA ORS ASIENTO PLANO RECTO
 ORS DICHTKOPF FLACHDICHTEND
 FEMMINA TENUTA FRONTALE ORS



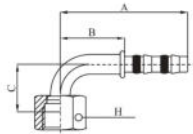
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|--------------|-----------|------|--------|------------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | H |
| C42410-06-04 | 8 | - 06 | 5/16" | 9/16"-18-UNF-2B | 72,0 | 33,4 | 19 |
| C42410-06-06 | 8 | - 06 | 5/16" | 11/16"-16-UN-2B | 70,0 | 31,4 | 22 |
| C42410-08-08 | 10 | - 08 | 13/32" | 13/16"-16-UN-2B | 74,5 | 35,9 | 27 |
| C42410-10-08 | 10 | - 08 | 13/32" | 13/16"-16-UN-2B | 74,5 | 35,9 | 27 |
| C42410-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 85,0 | 46,4 | 30 |
| C42410-12-12 | 16 | - 12 | 5/8" | 1.3/16"-12-UN-2B | 85,0 | 46,4 | 36 |
| C42410-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 105,5 | 59,4 | 41 |



C42440

ORS FLAT SEAL FEMALE 45° ELBOW
HEMBRA ORS ASIENTO PLANO CODO 45°
ORS DICHTKOPF FLACHDICHTEND - 45° BOGEN°
FEMMINA TENUTA FRONTALE ORS - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C42440-06-04 | 8 | - 06 | 5/16" | 9/16"-18-UNF | 64,0 | 25,4 | 10,0 | 19 |
| C42440-06-06 | 8 | - 06 | 5/16" | 11/16"-16-UN-2B | 65,0 | 26,4 | 10,5 | 22 |
| C42440-08-08 | 10 | - 08 | 13/32" | 13/16"-16-UN-2B | 93,0 | 54,4 | 13,0 | 27 |
| C42440-10-08 | 10 | - 10 | 1/2" | 13/16"-16-UN | 93,0 | 54,4 | 13,0 | 27 |
| C42440-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 82,0 | 43,4 | 18,0 | 30 |
| C42440-12-12 | 16 | - 12 | 5/8" | 1.3/16"-12-UN-2B | 94,0 | 55,4 | 30,5 | 36 |



C42490

ORS FLAT SEAL FEMALE 90° ELBOW
HEMBRA ORS ASIENTO PLANO CODO 90°
ORS DICHTKOPF FLACHDICHTEND - 90° BOGEN°
FEMMINA TENUTA FRONTALE ORS - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C42490-06-04 | 8 | - 06 | 5/16" | 9/16"-18-UNF-2B | 61,5 | 22,9 | 22,5 | 19 |
| C42490-06-06028 | 8 | - 06 | 5/16" | 11/16"-16-UN-2B | 72,0 | 33,4 | 27,5 | 22 |
| C42490-06-08 | 8 | - 06 | 5/16" | 13/16"-16-UN-2B | 81,0 | 42,2 | 29,0 | 27 |
| C42490-08-08 | 10 | - 08 | 13/32" | 13/16"-16-UN-2B | 78,0 | 39,4 | 29,0 | 27 |
| C42490-10-08 | 13 | - 10 | 1/2" | 13/16"-16-UN-2B | 78,0 | 34,9 | 29,0 | 27 |
| C42490-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 75,0 | 36,4 | 36,0 | 30 |
| C42490-12-10 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 75,0 | 36,4 | 36,0 | 30 |
| C42490-12-12 | 16 | - 12 | 5/8" | 1.3/16"-12-UN-2B | 84,0 | 45,4 | 45,0 | 36 |
| C42490-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 120,5 | 74,4 | 48,0 | 41 |

FRIGOCLIC® FITTINGS

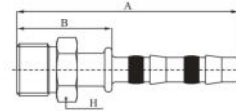
SAE J2064 TYPE E

REFRI❄️ MASTER

REFRI❄️ MASTER PLUS

C37910

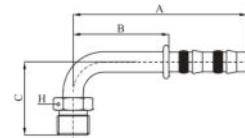
STRAIGHT MALE WITH O-RING SEAT
 MACHO RECTO CON O-RING
 AUSSENGEWINDE MIT O-RING SITZ GERADE
 MASCHIO SEDE O-RING - DRITTO



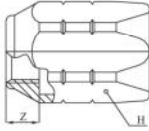
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C37910-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2A | 67,7 | 29,1 | 17 | |
| C37910-08-10 | 10 | -08 | 13/32" | 7/8"-14-UNF-2A | 75,0 | 36,4 | 24 | |
| C37910-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2A | 77,8 | 36,6 | 24 | |

C37990

MALE WITH O-RING SEAT 90° ELBOW
 MACHO CON O-RING CODO 90°
 AUSSENGEWINDE MIT O-RING SITZ - 90° BOGEN
 MASCHIO SEDE O-RING - CURVA 90°

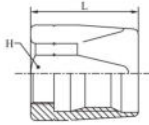


| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C37990-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2A | 86,0 | 47,4 | 36,5 | 17 |
| C37990-10-08 | 13 | -10 | 1/2" | 3/4"-16-UNF-2A | 87,0 | 48,4 | 41,5 | 22 |



**CUT-OFF
DIMENSION**

| HOSE BORE | | | DIMENSIONS mm | |
|-----------|------|--------|------------------|----|
| DN | Dash | inch | Z | H |
| 5 | - 04 | 3/16" | 9,0 ± 0,1 | 16 |
| 8 | - 06 | 5/16" | 10,0 ± 0,1 | 21 |
| 10 | - 08 | 13/32" | 12,5 ± 0,1 | 24 |
| 12 | - 10 | 1/2" | 9,0 ± 0,1 | 28 |
| 16 | - 12 | 5/8" | 11,5 ± 0,1 | 32 |
| 22 | - 16 | 7/8" | 10,0 ± 0,1 | 38 |
| 28 | - 20 | 1.1/8" | 10,0 ± 0,1 | 46 |
| 35 | - 24 | 1.3/8" | 10,0 ± 0,1 | 50 |



K00400

STAR-FIT FERRULE
STAR-FIT CASQUILLO
STAR-FIT FASSUNG
BOCCOLA STAR-FIT

| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|------|--------|------------------|------|--|--|--|--|
| | DN | Dash | inch | H | L | | | | |
| K00400-04 | 5 | - 04 | 3/16" | 16 | 27,5 | | | | |
| K00400-06 | 8 | - 06 | 5/16" | 21 | 33,0 | | | | |
| K00400-08 | 10 | - 08 | 13/32" | 24 | 42,0 | | | | |
| K00400-10 | 13 | - 10 | 1/2" | 28 | 46,0 | | | | |
| K00400-12 | 16 | - 12 | 5/8" | 32 | 49,5 | | | | |
| K00400-16 | 22 | - 16 | 7/8" | 38 | 46,0 | | | | |
| K00400-20 | 28 | - 20 | 1.1/8" | 46 | 47,0 | | | | |
| K00400-24 | 35 | - 24 | 1.3/8" | 50 | 46,0 | | | | |

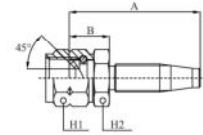
STAR-FIT FITTINGS

REFRI STAR

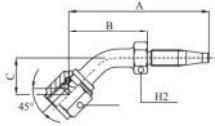
SAE J2064 TYPE B

K42610

45° SAE STRAIGHT FEMALE
HEMBRA 45° SAE RECTO
45° SAE DICHTKOPF GERADE
FEMMINA 45° SAE - DRITTO



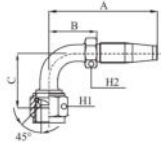
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ |
| K42610-04-04 | 5 | -04 | 3/16" | 7/16"-20-UNF-2B | 41,0 | 14,0 | 15 | 15 |
| K42610-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 50,5 | 15,5 | 19 | 19 |
| K42610-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 59,0 | 18,0 | 22 | 22 |
| K42610-10-08 | 13 | -10 | 1/2" | 3/4"-16-UNF-2B | 64,0 | 18,0 | 22 | 22 |
| K42610-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 65,0 | 19,0 | 27 | 27 |
| K42610-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 68,5 | 19,0 | 27 | 27 |
| K42610-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 91,0 | 41,5 | 32 | 24 |
| K42610-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 67,5 | 29,5 | 32 | 32 |
| K42610-16-16H00 | 22 | -16 | 7/8" | 1.5/16"-14-UNS-2B | 61,5 | 14,5 | 38 | |



K42640

45° SAE FEMALE 45° ELBOW
HEMBRA 45° SAE CODO 45°
45° SAE DICHTKOPF - 45° BOGEN
FEMMINA 45° SAE - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42640-04-04 | 5 | - 04 | 3/16" | 7/16"-20-UNF-2B | 68,5 | 41,5 | 16,0 | 15 | 12 |
| K42640-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 88,0 | 53,3 | 16,5 | 19 | 15 |
| K42640-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 94,7 | 53,7 | 16,5 | 22 | 18 |
| K42640-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 94,5 | 48,5 | 23,5 | 27 | 21 |
| K42640-12-08 | 16 | - 12 | 5/8" | 3/4"-16-UNF-2B | 113,0 | 63,5 | 26,5 | 22 | 24 |
| K42640-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 99,5 | 50,0 | 23,5 | 27 | 24 |
| K42640-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 104,5 | 55,0 | 26,5 | 32 | 24 |
| K42640-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2B | 97,0 | 50,0 | 23,5 | 27 | 30 |
| K42640-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 101,5 | 54,5 | 26,5 | 32 | 30 |
| K42640-16-16 | 22 | - 16 | 7/8" | 1.5/16"-14-UNS-2B | 115,0 | 68,0 | 32,5 | 38 | 30 |



K42690

45° SAE FEMALE 90° ELBOW
HEMBRA 45° SAE CODO 90°
45° SAE DICHTKOPF - 90° BOGEN°
FEMMINA 45° SAE - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42690-04-04 | 5 | - 04 | 3/16" | 7/16"-20-UNF-2B | 55,0 | 28,0 | 25,5 | 15 | 12 |
| K42690-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 72,5 | 37,5 | 30,5 | 19 | 15 |
| K42690-08-06 | 10 | - 08 | 13/32" | 5/8"-18-UNF-2B | 73,5 | 32,5 | 37,5 | 19 | 18 |
| K42690-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 73,5 | 32,5 | 37,5 | 22 | 18 |
| K42690-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 79,5 | 33,5 | 42,5 | 22 | 21 |
| K42690-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 83,5 | 37,5 | 46,5 | 27 | 21 |
| K42690-12-08 | 16 | - 12 | 5/8" | 3/4"-16-UNF-2B | 84,0 | 34,5 | 42,5 | 22 | 24 |
| K42690-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 89,0 | 39,5 | 46,5 | 27 | 24 |
| K42690-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 94,0 | 44,5 | 53,0 | 32 | 24 |
| K42690-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2B | 86,5 | 39,5 | 46,5 | 27 | 30 |
| K42690-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 90,5 | 43,5 | 53,0 | 32 | 30 |
| K42690-16-16 | 22 | - 16 | 7/8" | 1.5/16"-14-UNS-2B | 101,5 | 54,5 | 66,5 | 38 | 30 |

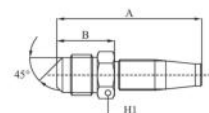
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K32610

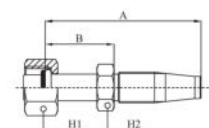
STRAIGHT 45° SAE FLARE MALE
MACHO CÓNICO 45° SAE RECTO
45° SAE AUSSENGEWINDE GERADE
MASCHIO SVASATO 45° SAE - DRITTO



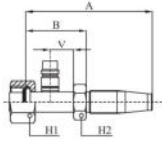
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ |
| K32610-04-04 | 5 | -04 | 3/16" | 7/16"-20-UNF-2B | 47,5 | 18,7 | 12 | |
| K32610-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 57,7 | 22,7 | 16 | |
| K32610-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 68,0 | 27,0 | 19 | |
| K32610-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 78,4 | 32,4 | 24 | |
| K32610-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 85,9 | 36,4 | 27 | |
| K32610-16-16 | 22 | -16 | 7/8" | 1.5/16"-14-UNS-2B | 85,0 | 39,0 | 36 | |

K47910

STRAIGHT O-RING FEMALE
HEMBRA O-RING RECTO
DICHTKOPF O-RING GERADE
FEMMINA O-RING - DRITTO



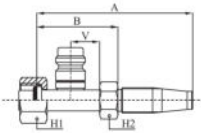
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ |
| K47910-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 69,0 | 34,0 | 19 | 14 |
| K47910-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2B | 76,5 | 35,5 | 19 | 18 |
| K47910-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 85,5 | 44,5 | 22 | 18 |
| K47910-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 96,0 | 50,0 | 27 | 21 |
| K47910-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 101,5 | 52,0 | 27 | 24 |
| K47910-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 110,0 | 60,5 | 32 | 24 |
| K47910-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 107,5 | 60,5 | 32 | 30 |



K47916

STRAIGHT O-RING FEMALE WITH LOW PRESSURE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING GERADE MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING - DRITTO CON VALVOLA BASSA PRESSIONE

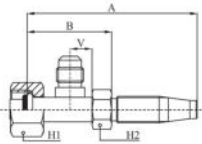
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} | H ₁ |
| K47916-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 101,5 | 52,0 | 16,0 | 27 | 24 |
| K47916-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNF-2B | 107,5 | 60,5 | 16,0 | 32 | 30 |



K47915

STRAIGHT O-RING FEMALE WITH HIGH PRESSURE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING GERADE MIT HOCHDRUCKVENTIL
 FEMMINA O-RING - DRITTO CON VALVOLA ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} | H ₁ |
| K47915-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 85,5 | 44,5 | 16,0 | 22 | 18 |



K47912

STRAIGHT O-RING FEMALE WITH 1/4" SAE CHARGE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE CARGA 1/4" SAE
 DICHTKOPF O-RING GERADE MIT 1/4" SAE FÜLLVENTIL
 FEMMINA O-RING - DRITTO CON VALVOLA DI CARICA 1/4" SAE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|-------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} | H ₁ |
| K47912-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 67,3 | 32,3 | 9,0 | 19 | 14 |

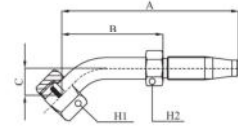
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K47940

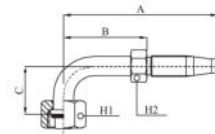
O-RING FEMALE 45° ELBOW
HEMBRA O-RING CODO 45°
DICHTKOPF O-RING - 45° BOGEN
FEMMINA O-RING - CURVA 45°



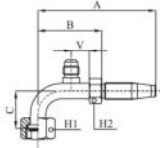
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|--------------------|--------------------|--------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±0.10} | B ^{±0.10} | C ^{±0.08} | H ₁ |
| K47940-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 82,0 | 47,0 | 12,5 | 19 | 14 |
| K47940-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 90,5 | 49,5 | 13,5 | 22 | 18 |
| K47940-10-08 | 13 | -10 | 1/2" | 3/4"-16-UNF-2B | 95,5 | 49,5 | 13,5 | 22 | 21 |
| K47940-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 117,0 | 71,0 | 24,0 | 27 | 21 |
| K47940-10-11 | 13 | -10 | 1/2" | 1"-14-UNF-2B | 115,0 | 69,0 | 22,0 | 29 | 21 |
| K47940-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 122,5 | 73,0 | 24,0 | 27 | 24 |
| K47940-12-11 | 16 | -12 | 5/8" | 1"-14-UNS-2B | 120,5 | 71,0 | 22,0 | 29 | 24 |
| K47940-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 130,5 | 81,0 | 27,0 | 32 | 24 |
| K47940-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 128,0 | 81,0 | 27,0 | 32 | 30 |

K47990

O-RING FEMALE 90° ELBOW
HEMBRA O-RING CODO 90°
DICHTKOPF O-RING - 90° BOGEN
FEMMINA O-RING - CURVA 90°



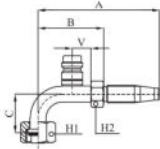
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|--------------------|--------------------|--------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±0.10} | B ^{±0.10} | C ^{±0.08} | H ₁ |
| K47990-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 74,0 | 39,0 | 24,0 | 19 | 14 |
| K47990-08-06 | 10 | -08 | 13/32" | 5/8"-18-UNF-2B | 81,5 | 40,5 | 24,0 | 19 | 18 |
| K47990-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 89,5 | 48,5 | 30,0 | 22 | 18 |
| K47990-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 109,5 | 63,5 | 45,0 | 27 | 21 |
| K47990-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 115,0 | 65,5 | 45,0 | 27 | 24 |
| K47990-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 119,5 | 70,0 | 54,5 | 32 | 24 |
| K47990-16-10 | 22 | -16 | 7/8" | 7/8"-14-UNF-2B | 112,5 | 65,5 | 45,0 | 27 | 30 |
| K47990-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 117,0 | 70,0 | 54,5 | 32 | 30 |
| K47990-20-12 | 28 | -20 | 1.1/8" | 1.1/16"-14-UNS-2B | 115,0 | 69,0 | 54,5 | 32 | 36 |



K47992

O-RING FEMALE 90° ELBOW WITH 1/4" SAE CHARGE VALVE
 HEMBRA O-RING CODO 90° CON VÁLVULA DE CARGA 1/4" SAE
 DICHTKOPF O-RING - 90° BOGEN MIT 1/4" SAE FÜLLVENTIL
 FEMMINA O-RING - CURVA 90° CON VALVOLA DI CARICA 1/4" SAE

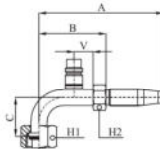
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} | H ₁ |
| K47992-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 117,0 | 70,0 | 54,5 | 16,0 | 32 | 30 |



K47995

O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE
 HEMBRA O-RING CODO 90° CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING - 90° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING - CURVA 90° CON VALVOLA ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} | H ₁ |
| K47995-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 94,0 | 53,0 | 36,5 | 16,0 | 22 | 18 |



K47996

O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE
 HEMBRA O-RING CODO 90° CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING - 90° BOGEN MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING - CURVA 90° CON VALVOLA BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} | H ₁ |
| K47996-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 109,5 | 63,5 | 45,0 | 16,0 | 27 | 21 |
| K47996-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 115,0 | 65,5 | 45,0 | 16,0 | 27 | 24 |
| K47996-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 116,0 | 69,0 | 54,5 | 16,0 | 32 | 30 |

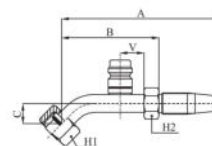
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K47945

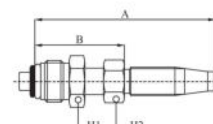
O-RING FEMALE 45° ELBOW WITH HIGH PRESSURE VALVE
 HEMBRA O-RING CODO 45° CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING - 45° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING - CURVA 45° CON VALVOLA ALTA PRESSIONE



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} | H ₁ |
| K47945-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 106,8 | 65,3 | 13,5 | 16,0 | 22 | 18 |

K38010

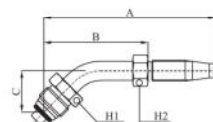
STRAIGHT O-RING MALE
 MACHO O-RING RECTO
 AUSSENGEWINDE O-RING GERADE
 MASCHIO O-RING - DRITTO



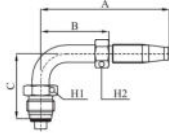
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| K38010-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 69,4 | 34,4 | 17 | 14 | |
| K38010-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2B | 85,5 | 44,5 | 22 | 18 | |
| K38010-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2B | 94,5 | 48,5 | 22 | 21 | |

K38040

O-RING MALE 45° ELBOW
 MACHO O-RING CODO 45°
 AUSSENGEWINDE O-RING - 45° BOGEN
 MASCHIO O-RING - CURVA 45°



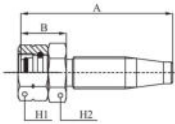
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K38040-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 89,5 | 54,5 | 21,5 | 17 | 14 |
| K38040-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2B | 106,5 | 65,5 | 25,0 | 22 | 18 |
| K38040-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2B | 121,5 | 75,5 | 28,5 | 22 | 21 |



K38090

O-RING MALE 90° ELBOW
 MACHO O-RING CODO 90°
 AUSSENGEWINDE O-RING - 90° BOGEN
 MASCHIO O-RING - CURVA 90°

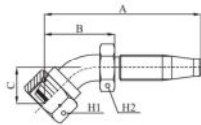
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K38090-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 74,5 | 39,5 | 37,5 | 17 | 14 |
| K38090-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2B | 89,5 | 48,5 | 47,0 | 22 | 18 |
| K38090-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2B | 109,0 | 63,0 | 54,5 | 22 | 21 |



K41510

STRAIGHT 24° DIN FLARE O-RING OGIVAL FEMALE
 HEMBRA O-RING OGIVA 24° DIN CÓNICO RECTO
 DICHTKOPF 24° DIN KONUS MIT O-RING GERADE
 FEMMINA O-RING OGIVA 24° DIN - DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K41510-12-26 | 16 | - 12 | 5/8" | M 26x1.5 | 92,0 | 42,5 | 32 | 27 | |
| K41510-12-30 | 16 | - 12 | 5/8" | M 30x2 | 94,5 | 45,0 | 36 | 24 | |
| K41510-16-30 | 22 | - 16 | 7/8" | M 30x2 | 74,0 | 27,0 | 36 | 36 | |
| K41510-16-36 | 22 | - 16 | 7/8" | M 36x2 | 75,8 | 28,8 | 41 | 36 | |
| K41510-20-36 | 28 | - 20 | 1 1/8" | M 36x2 | 76,8 | 30,8 | 41 | 41 | |



K41540

24° DIN FLARE O-RING OGIVAL FEMALE 45° ELBOW
 HEMBRA O-RING OGIVA 24° DIN CÓNICO CODO 45°
 DICHTKOPF 24° DIN KONUS MIT O-RING - 45° BOGEN°
 FEMMINA O-RING OGIVA 24° DIN - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K41540-12-26 | 16 | - 12 | 5/8" | M 26x1.5 | 107,0 | 57,2 | 28,7 | 32 | 24 |
| K41540-12-30 | 16 | - 12 | 5/8" | M 30x2 | 107,0 | 57,5 | 29,0 | 36 | 34 |
| K41540-16-30 | 22 | - 16 | 7/8" | M 30x2 | 104,0 | 57,1 | 29,4 | 36 | 30 |
| K41540-16-36 | 22 | - 16 | 7/8" | M 36x2 | 117,0 | 69,9 | 30,0 | 41 | 30 |
| K41540-20-36 | 28 | - 20 | 1 1/8" | M 36x2 | 115,0 | 68,9 | 34,0 | 41 | 36 |

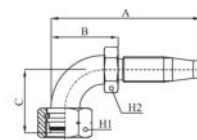
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K41590

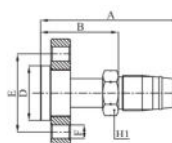
24° DIN FLARE O-RING OGIVAL FEMALE 90° ELBOW
HEMBRA O-RING OGIVA 24° DIN CÓNICO CODO 90°
DICHTKOPF 24° DIN KONUS MIT O-RING 90° BOGEN°
FEMMINA O-RING OGIVA 24° DIN - CURVA 90°



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² | H ₁ |
| K41590-08-26 | 10 | - 08 | 13/32" | M 26x1.5 | 86,5 | 45,5 | 60,0 | 32 | 24 |
| K41590-12-26 | 16 | - 12 | 5/8" | M 26x1.5 | 94,0 | 44,5 | 56,0 | 32 | 24 |
| K41590-12-30 | 16 | - 12 | 5/8" | M 30x2 | 91,0 | 41,5 | 56,5 | 36 | 30 |
| K41590-16-30 | 22 | - 16 | 7/8" | M 30x2 | 91,0 | 43,5 | 56,5 | 36 | 30 |
| K41590-16-36 | 22 | - 16 | 7/8" | M 36x2 | 101,5 | 54,5 | 69,3 | 41 | 30 |
| K41590-20-30 | 28 | - 20 | 1.1/8" | M 30x2 | 89,4 | 43,5 | 48,5 | 36 | 36 |
| K41590-20-36 | 28 | - 20 | 1.1/8" | M 36x2 | 101,0 | 54,5 | 69,3 | 41 | 36 |

K43710

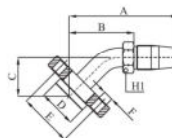
STRAIGHT FLANGE FITTING
BRIDA RECTA
FLANSCHARMATUR GERADE
RACCORDO DRITTO CON FLANGIA



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | | |
|--------------|-----------|------|--------|--------|---------------|-------------------|-------------------|-----------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² | V ⁺¹ | H ₁ |
| K43710-16-16 | 22 | - 16 | 7/8" | | 107,0 | 60,0 | 41,8 | 60,0 | ∅ 11,0 | 30 |
| K43710-20-16 | 28 | - 20 | 1.1/8" | | 110,5 | 64,5 | 41,8 | 60,0 | ∅ 11,0 | 36 |

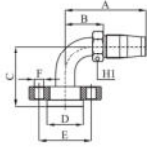
K43740

FLANGE FITTING 45° ELBOW
BRIDA 45°
FLANSCHARMATUR - 45° BOGEN
RACCORDO CON FLANGIA - CURVA 45°



| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | | | | |
|--------------|-----------|------|--------|-------------------|-------------------|-----------------|------|------|--------|----------------|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | C ⁺² | D | E | F | H ₁ |
| K43740-16-16 | 22 | - 16 | 7/8" | 119,0 | 72,0 | 44,0 | 41,8 | 60,0 | ∅ 11,0 | 30 |
| K43740-20-16 | 28 | - 20 | 1.1/8" | 122,5 | 76,5 | 44,0 | 41,8 | 60,0 | ∅ 11,0 | 36 |

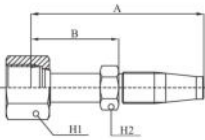
SAE J2064 TYPE B



K43790

FLANGE FITTING 90° ELBOW
BRIDA 90°
FLANSCHARMATUR - 90° BOGEN
RACCORDO CON FLANGIA - CURVA 90°

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | | | | |
|-----------------|-----------|------|--------|-------------------|-------------------|-----------------|------|------|--------|----------------|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} | D | E | F | H ₁ |
| K43790-16-16 | 22 | - 16 | 7/8" | 90,5 | 43,5 | 79,5 | 41,8 | 60,0 | Ø 11,0 | 30 |
| K43790-20-16 | 28 | - 20 | 1.1/8" | 100,5 | 54,5 | 88,5 | 41,8 | 60,0 | Ø 11,0 | 36 |
| K43790-20-16097 | 28 | - 20 | 1.1/8" | 100,5 | 54,5 | 96,5 | 48,0 | 60,0 | Ø 11,0 | 36 |



K42410

STRAIGHT ORS FLAT SEAL FEMALE
HEMBRA ASIENTO PLANO ORS RECTO
ORS DICHTKOPF FLACHDICHTEND
FEMMINA TENUTA FRONTALE ORS - DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|-----------------|-----------|------|--------|-------------------|------------------|-------------------|-------------------|----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ | H ₂ |
| K42410-04-04 | 5 | - 04 | 3-16" | 9/16"-18-UNF-2B | 61,0 | 34,0 | 19 | 12 | |
| K42410-06-06 | 8 | - 06 | 5-16" | 11-16"-UN-2B | 69,0 | 34,0 | 22 | 14 | |
| K42410-08-08 | 10 | - 08 | 13/32" | 13/16"-16-UN-2B | 78,0 | 37,0 | 27 | 18 | |
| K42410-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 93,5 | 47,5 | 30 | 21 | |
| K42410-12-12 | 16 | - 12 | 5/8" | 1.3/16"-12-UN-2B | 99,0 | 49,5 | 36 | 24 | |
| K42410-12-16 | 16 | - 12 | 5/8" | 1.7/16"-12-UNF-2B | 52,5 | 102,0 | 41 | 27 | |
| K42410-12-16079 | 16 | - 12 | 5/8" | 1.7/16"-12-UNF-2B | 29,0 | 78,5 | 41 | 24 | |
| K42410-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 117,5 | 70,5 | 41 | 30 | |
| K42410-16-20 | 22 | - 16 | 7/8" | 1.11/16"-UN-2B | 69,5 | 116,5 | 50 | 30 | |
| K42410-20-20 | 28 | - 20 | 1.1/8" | 1.11/16"-12-UN-2B | 114,5 | 68,5 | 50 | 36 | |
| K42410-24-24 | 35 | - 24 | 1.3/8" | 2"-12-UN | 115,5 | 70,5 | 60 | 46 | |

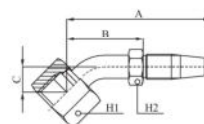
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K42440

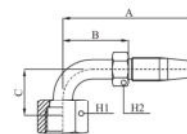
ORS FLAT SEAL FEMALE 45° ELBOW
HEMBRA ASIEN TO PLANO ORS CODO 45°
ORS DICHTKOPF FLACHDICHTEND - 45° BOGEN
FEMMINA TENUTA FRONTALE ORS - CURVA 45°



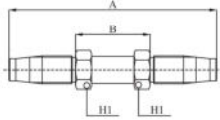
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42440-04-04 | 5 | -04 | 3/16" | 9/16"-18-UNF-2B | 52,2 | 25,2 | 10,0 | 19 | 12 |
| K42440-06-06 | 8 | -05 | 5/16" | 11/16"-16-UN-2B | 62,3 | 27,3 | 10,5 | 22 | 14 |
| K42440-08-08 | 10 | -08 | 13/32" | 13/16"-16-UN-2B | 96,5 | 55,5 | 13,0 | 27 | 18 |
| K42440-10-10 | 13 | -10 | 1/2" | 1"-14-UNS-2B | 86,5 | 40,5 | 16,0 | 30 | 21 |
| K42440-12-12 | 16 | -12 | 5/8" | 1.3/16"-12-UN-2B | 115,0 | 65,5 | 17,0 | 36 | 24 |
| K42440-16-16 | 22 | -16 | 7/8" | 1.7/16"-12-UN-2B | 115,5 | 68,5 | 40,5 | 41 | 30 |
| K42440-20-20 | 28 | -20 | 1.1/8" | 1.11/16"-12-UN-2B | 111,5 | 66,5 | 27,0 | 50 | 36 |
| K42440-24-24 | 35 | -24 | 1.3/8" | 2"-12-UN | 115,5 | 70,5 | 29,0 | 60 | 46 |

K42490

ORS FLAT SEAL FEMALE 90° ELBOW
HEMBRA ASIEN TO PLANO ORS CODO 90°
ORS DICHTKOPF FLACHDICHTEND - 90° BOGEN
FEMMINA TENUTA FRONTALE ORS - CURVA 90°



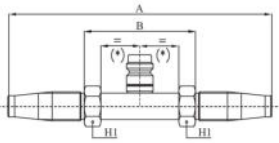
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42490-04-04 | 5 | -04 | 3/16" | 9/16"-18-UNF-2B | 50,5 | 23,5 | 22,5 | 19 | 12 |
| K42490-06-06 | 8 | -06 | 5/16" | 11/16"-16-UN-2B | 62,5 | 27,5 | 25,5 | 22 | 14 |
| K42490-08-08 | 10 | -08 | 13/32" | 13/16"-16-UN-2B | 81,5 | 40,5 | 29,0 | 27 | 18 |
| K42490-10-10 | 13 | -10 | 1/2" | 1"-14-UNS-2B | 83,5 | 37,5 | 36,0 | 30 | 21 |
| K42490-12-12 | 16 | -12 | 5/8" | 1.3/16"-12-UN-2B | 98,0 | 48,5 | 45,0 | 36 | 24 |
| K42490-16-16 | 22 | -16 | 7/8" | 1.7/16"-12-UN-2B | 117,5 | 70,5 | 48,0 | 41 | 30 |
| K42490-20-20 | 28 | -20 | 1.1/8" | 1.11/16"-12-UN-2B | 104,5 | 58,5 | 56,0 | 50 | 36 |



K30010

STRAIGHT CONNECTION FITTING
 RACOR RECTO
 GERADER VERBINDER
 GIUNZIONE DRITTA

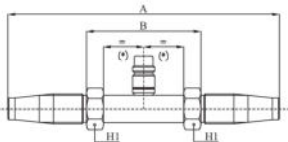
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|----------------|--|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | H ₁ | |
| K30010-04-04 | 5 | - 04 | 3/16" | 89,0 | 35,0 | 12 | |
| K30010-06-06 | 8 | - 06 | 5/16" | 115,0 | 45,0 | 14 | |
| K30010-08-08 | 10 | - 08 | 13/32" | 128,0 | 46,0 | 18 | |
| K30010-10-10 | 13 | - 10 | 1/2" | 141,0 | 49,0 | 21 | |
| K30010-12-12 | 16 | - 12 | 5/8" | 154,5 | 55,5 | 24 | |
| K30010-16-16 | 22 | - 16 | 7/8" | 145,0 | 51,0 | 30 | |
| K30010-20-20 | 28 | - 20 | 1 1/8" | 163,0 | 71,0 | 36 | |



K30015

STRAIGHT CONNECTION FITTING WITH HIGH PRESSURE VALVE
 RACOR RECTO CON VÁLVULA DE ALTA PRESION
 GERADER VERBINDER MIT HOCHDRUCKVENTIL
 GIUNZIONE DRITTA CON VALVOLA ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|-------------------|----------------|--|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | H ₁ | |
| K30015-08-08 | 10 | - 08 | 13/32" | 150,0 | 68,0 | 18 | |
| K30015-10-10 | 13 | - 10 | 1/2" | 159,0 | 67,0 | 21 | |



K30016

STRAIGHT CONNECTION FITTING WITH LOW PRESSURE VALVE
 RACOR RECTO CON VÁLVULA DE BAJA PRESION
 GERADER VERBINDER MIT NIEDERDRUCKVENTIL
 GIUNZIONE DRITTA CON VALVOLA BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|--------------|-----------|------|------|-------------------|-------------------|----------------|--|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | H ₁ | |
| K30016-10-10 | 13 | - 10 | 1/2" | 159,0 | 67,0 | 21 | |
| K30016-12-12 | 16 | - 12 | 5/8" | 181,0 | 82,0 | 24 | |

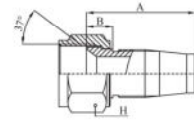
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K42510

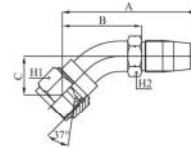
JIC 37° STRAIGHT FEMALE FITTING
HEMBRA JIC 37° RECTO
GERADER EINSCHRAUBER JIC 37°
FEMMINA JIC 37° - DRITTO



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ | H ₂ |
| K42510-16-12 | 22 | - 16 | 7/8" | 1.1/16"-12-UNF-2B | 78,5 | 31,5 | 32,0 | 30 | |
| K42510-16-16 | 22 | - 16 | 7/8" | 1.5/16"-12-UNF-2B | 62,0 | 15,0 | 38,0 | | |

K42540

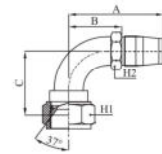
JIC 37° FEMALE FITTING 45° ELBOW
HEMBRA JIC 37° CODO 45°
EINSCHRAUBER JIC 37° - 45° WINKELADAPTER
FEMMINA JIC 37° - CURVA 45°



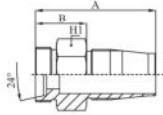
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42540-16-16 | 22 | - 16 | 7/8" | 1.5/16"-12-UNF-2B | 115,5 | 68,5 | 33,0 | 38 | 30 |

K42590

JIC 37° FEMALE FITTING 90° ELBOW
HEMBRA JIC 37° CODO 90°
DICHTKOPF JIC 37° - 90° BOGEN
FEMMINA JIC 37° - CURVA 90°



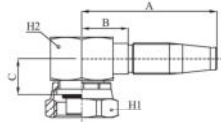
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K42590-16-16 | 22 | - 16 | 7/8" | 1.5/16"-12-UNF-2B | 101,5 | 54,5 | 67,5 | 38 | 30 |
| K42590-20-20 | 28 | - 20 | 1.1/8" | 1.5/8"-12-UNF-2B | 104,5 | 58,5 | 71,5 | 50 | 36 |



K31110

STRAIGHT 24° MALE DIN
MACHO 24° DIN RECTO
AUSSENGEWINDE 24° DIN GERADE
MASCHIO 24° DIN - DRITTO

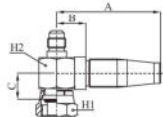
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|--------|---------------|-------------------|-------------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H ₁ |
| K31110-16-30 | 22 | - 16 | 7/8" | M 30x2 | 71,0 | 24,0 | 32 | |



K47980

SHORT VERSION O-RING FEMALE 90° ELBOW
HEMBRA O-RING TIPO CORTO CODO 90°
DICHTKOPF O-RING KURZE VERSION - 90° BOGEN
FEMMINA O-RING TIPO CORTO - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|--------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K47980-08-11 | 10 | - 08 | 13/32" | 1"-14-UNF-2B | 62,5 | 21,5 | 16,4 | 29 | 29 |
| K47980-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 67,5 | 21,5 | 16,4 | 29 | 29 |
| K47980-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 75,5 | 26,0 | 24,2 | 29 | 25 |



K47982

SHORT VERSION O-RING FEMALE 90° ELBOW WITH 1/4" SAE CHARGE VALVE
HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE CARGA 1/4" SAE
DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT 1/4" SAE FÜLLVENTIL
FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA DI CARICA 1/4" SAE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K47982-10-08 | 13 | - 10 | 1/2" | 3/4"-16-UNF-2B | 64,0 | 18,0 | 16,0 | 22 | 22 |
| K47982-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 67,5 | 21,5 | 16,4 | 29 | 29 |
| K47982-12-08 | 16 | - 12 | 5/8" | 3/4"-16-UNF-2B | 52,5 | 102,0 | 16,0 | 22 | 22 |
| K47982-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2B | 101,5 | 54,5 | 16,4 | 27 | 27 |
| K47982-16-11 | 22 | - 16 | 7/8" | 1"-14-UNS-2B | 54,0 | 101,0 | 24,2 | 29 | 25 |

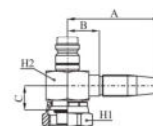
STAR-FIT FITTINGS

REFRI STAR

SAE J2064 TYPE B

K47985

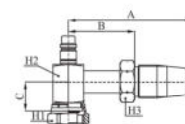
SHORT VERSION O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE ALTA PRESION
 DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA ALTA PRESSIONE



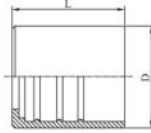
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|--------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K47985-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 21,5 | 62,5 | 16,4 | 29 | 29 |
| K47985-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 24,0 | 75,5 | 24,2 | 29 | 25 |

K47986

SHORT VERSION O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CODO 90° CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING KURZE VERSION - 90° BOGEN MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING TIPO CORTO - CURVA 90° CON VALVOLA BASSA PRESSIONE



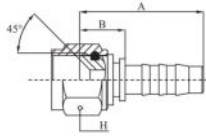
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|--------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| K47986-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 24,0 | 75,5 | 24,2 | 29 | 25 |
| K47986-16-11 | 22 | - 16 | 7/8" | 1"-14-UNS-2B | 54,0 | 101,0 | 24,2 | 29 | 25 |



C00300

STAR-CRIMP FERRULE
CASQUILLO STAR-CRIMP
STAR-CRIMP FASSUNG
BOCCOLA STAR-CRIMP

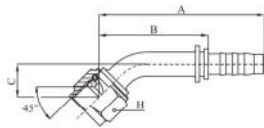
| PART. REF. | HOSE BORE | | | DIMENSIONS mm | | | | | |
|------------|-----------|------|--------|---------------|------|--|--|--|--|
| | DN | Dash | inch | D | L | | | | |
| C00300-04 | 5 | - 04 | 3/16" | 18,0 | 24,3 | | | | |
| C00300-06 | 8 | - 06 | 5/16" | 23,0 | 30,3 | | | | |
| C00300-08 | 10 | - 08 | 13/32" | 25,0 | 32,3 | | | | |
| C00300-10 | 13 | - 10 | 1/2" | 29,0 | 37,3 | | | | |
| C00300-12 | 16 | - 12 | 5/8" | 34,0 | 37,3 | | | | |
| C00300-16 | 22 | - 16 | 7/8" | 38,0 | 39,5 | | | | |
| C00300-20 | 28 | - 20 | 1.1/8" | 46,0 | 51,0 | | | | |



C22610

45° SAE STRAIGHT FEMALE
HEMBRA 45° SAE RECTO
45° SAE DICHTKOPF GERADE
FEMMINA 45° SAE - DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C22610-04-04 | 5 | - 04 | 3/16" | 7/16"-20-UNF-2B | 34,2 | 14,5 | 15 | |
| C22610-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 42,0 | 16,0 | 19 | |
| C22610-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 44,3 | 16,3 | 22 | |
| C22610-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 50,3 | 17,3 | 27 | |
| C22610-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 50,3 | 18,8 | 32 | |



C22640

45° SAE FEMALE 45° ELBOW
HEMBRA 45° SAE CODO 45°
45° SAE DICHTKOPF - 45° BOGEN
FEMMINA 45° SAE - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C22640-04-04 | 5 | - 04 | 3/16" | 7/16"-20-UNF-2B | 68,2 | 48,5 | 12,0 | 15 |
| C22640-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 73,7 | 47,7 | 15,5 | 19 |
| C22640-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 82,3 | 54,3 | 16,5 | 22 |
| C22640-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 95,3 | 62,3 | 19,5 | 27 |
| C22640-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 108,0 | 65,5 | 20,5 | 32 |

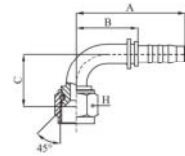
STAR-CRIMP FITTINGS

REFRI STAR

SAE J2064 TYPE B

C22690

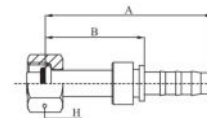
45° SAE FEMALE 90° ELBOW
HEMBRA 45° SAE CODO 90°
45° SAE DICHTKOPF - 90° BOGEN
FEMMINA 45° SAE - CURVA 90°



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C22690-04-04 | 5 | -04 | 3/16" | 7/16"-20-UNF-2B | 52,2 | 32,5 | 26,0 | 15 |
| C22690-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 57,0 | 31,0 | 29,5 | 19 |
| C22690-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 64,5 | 36,5 | 31,5 | 22 |
| C22690-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 74,5 | 41,5 | 38,5 | 27 |
| C22690-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 78,5 | 47,0 | 49,5 | 32 |

C27910

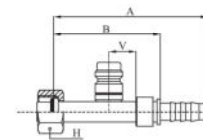
STRAIGHT O-RING FEMALE
HEMBRA O-RING RECTO
DICHTKOPF O-RING GERADE
FEMMINA O-RING - DRITTO



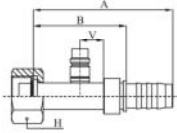
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C27910-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 64,0 | 38,0 | 19 | |
| C27910-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 76,0 | 48,0 | 22 | |
| C27910-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 86,5 | 53,5 | 27 | |
| C27910-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 94,5 | 63,0 | 32 | |
| C27910-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 97,5 | 64,5 | 32 | |

C27915

STRAIGHT O-RING FEMALE WITH HIGH PRESSURE VALVE
HEMBRA O-RING RECTA CON VÁLVULA DE ALTA PRESION
DICHTKOPF O-RING GERADE MIT HOCHDRUCKVENTIL
FEMMINA O-RING - DRITTO CON VALVOLA ALTA PRESSIONE



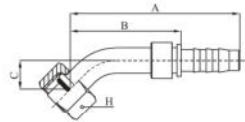
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} |
| C27915-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 90.8 | 62.8 | 16,0 | 22 |
| C27915-08-11 | 10 | -08 | 13/32" | 1"-14-UNS-2B | 78.0 | 50.0 | 16,0 | 29 |
| C27915-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 94.5 | 63.0 | 16,0 | 32 |



C27916

STRAIGHT O-RING FEMALE WITH LOW PRESSURE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING GERADE MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING - DRITTO CON VALVOLA BASSA PRESSIONE

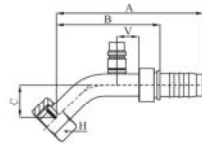
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} |
| C27916-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 97,5 | 64,5 | 16,0 | 32 |



C27940

O-RING FEMALE 45° ELBOW
 HEMBRA O-RING CODO 45°
 DICHTKOPF O-RING - 45° BOGEN
 FEMMINA O-RING - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C27940-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 77,0 | 51,0 | 12,5 | 19 |
| C27940-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 81,0 | 53,0 | 13,5 | 22 |
| C27940-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 107,0 | 74,0 | 24,0 | 27 |
| C27940-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 106,5 | 75,0 | 24,0 | 27 |
| C27940-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2B | 114,5 | 83,0 | 27,0 | 32 |
| C27940-16-12 | 22 | - 16 | 7/8" | 1.1/16"-14-UNS-2B | 118,0 | 85,0 | 27,0 | 32 |



C27946

O-RING FEMALE 45° ELBOW WITH LOW PRESSURE VALVE
 HEMBRA O-RING CODO 45° CON VÁLVULA DE BAJA PRESION
 DICHTKOPF O-RING - 45° BOGEN MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING - CURVA 45° CON VALVOLA BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H ₁ |
| C27946-12-10 | 13 | - 12 | 5/8" | 7/8"-14-UNF-2B | 106,5 | 75,0 | 24,0 | 16,0 | 27 |

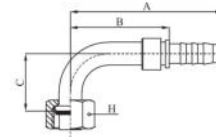
STAR-CRIMP FITTINGS

REFRI STAR

SAE J2064 TYPE B

C27990

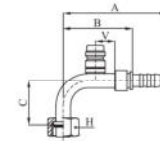
O-RING FEMALE 90° ELBOW
HEMBRA O-RING CODO 90°
DICHTKOPF O-RING - 90° BOGEN
FEMMINA O-RING - CURVA 90°



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C27990-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 69,0 | 43,0 | 24,0 | 19 |
| C27990-06-06036 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 74,0 | 48,0 | 35,5 | 19 |
| C27990-06-06060 | 8 | -06 | 5/16" | 5/8"-18-UNF-2B | 68,8 | 42,8 | 60,0 | 19 |
| C27990-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 80,0 | 52,0 | 30,0 | 22 |
| C27990-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 100,0 | 67,0 | 45,0 | 27 |
| C27990-12-10 | 16 | -12 | 5/8" | 7/8"-14-UNF-2B | 99,5 | 68,0 | 45,0 | 27 |
| C27990-12-12 | 16 | -12 | 5/8" | 1.1/16"-14-UNS-2B | 104,0 | 72,5 | 54,5 | 32 |
| C27990-16-10 | 22 | -16 | 7/8" | 7/8"-14-UNF-2B | 104,0 | 70,0 | 45,0 | 27 |
| C27990-16-12 | 22 | -16 | 7/8" | 1.1/16"-14-UNS-2B | 107,0 | 74,0 | 54,5 | 32 |

C27995

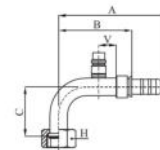
O-RING FEMALE 90° ELBOW WITH HIGH PRESSURE VALVE
HEMBRA O-RING CODO 90° CON VÁLVULA DE ALTA PRESION
DICHTKOPF O-RING - 90° BOGEN MIT HOCHDRUCKVENTIL
FEMMINA O-RING - CURVA 90° CON VALVOLA ALTA PRESSIONE



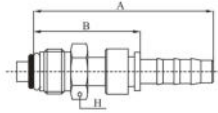
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| C27995-08-08 | 10 | -08 | 13/32" | 3/4"-16-UNF-2B | 84,5 | 56,5 | 36,5 | 16,0 | 22 |
| C27995-08-11 | 10 | -08 | 13/32" | 1"-14-UNS-2B | 92,8 | 64,8 | 39,0 | 16,0 | 29 |

C27996

O-RING FEMALE 90° ELBOW WITH LOW PRESSURE VALVE
HEMBRA O-RING CODO 90° CON VÁLVULA DE BAJA PRESION
DICHTKOPF O-RING - 90° BOGEN MIT NIEDERDRUCKVENTIL
FEMMINA O-RING - CURVA 90° CON VALVOLA BASSA PRESSIONE



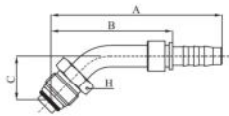
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| C27996-10-10 | 13 | -10 | 1/2" | 7/8"-14-UNF-2B | 99,8 | 67,0 | 45,0 | 16,0 | 27 |



C18010

STRAIGHT O-RING MALE
MACHO O-RING RECTO
AUSSENGEWINDE O-RING GERADE
MASCHIO O-RING - DRITTO

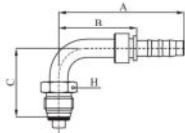
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|----------------|---------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | H |
| C18010-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 63,8 | 38,0 | | 17 |
| C18010-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2B | 87,5 | 54,5 | | 22 |



C18040

O-RING MALE 45° ELBOW
MACHO O-RING CODO 45°
AUSSENGEWINDE O-RING - 45° BOGEN
MASCHIO O-RING - CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² |
| C18040-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 83,5 | 57,5 | 21,5 | 17 |
| C18040-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 11,5 | 78,5 | 28,5 | 22 |



C18090

O-RING MALE 90° ELBOW
MACHO O-RING CODO 90°
AUSSENGEWINDE O-RING - 90° BOGEN
MASCHIO O-RING - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-----------------|-----------|------|-------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² |
| C18090-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 69,0 | 43,0 | 37,5 | 17 |
| C18090-06-06060 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 69,0 | 42,8 | 60,0 | 17 |
| C18090-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2A | 99,5 | 66,5 | 54,5 | 22 |
| C18090-16-10 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2A | 102,0 | 69,0 | 54,5 | 22 |
| C18090-16-10072 | 22 | - 16 | 7/8" | 7/8"-14-UNF-2A | 102,0 | 69,0 | 72,0 | 22 |

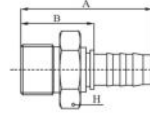
STAR-CRIMP FITTINGS

REFRI STAR

SAE J2064 TYPE B

C17910

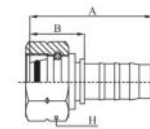
STRAIGHT MALE WITH O-RING SEAT
 MACHO CON ASIENTO O-RING RECTO
 AUSSENGEWINDE MIT O-RING SITZ GERADE
 MASCHIO SEDE O-RING - DRITTO



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|-------------------|---------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C17910-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 50,5 | 24,5 | | 17 |
| C17910-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS-2A | 71,0 | 39,5 | | 30 |

C21510

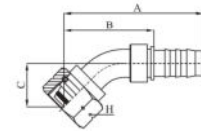
STRAIGHT 24° DIN FLARE O-RING OGIVAL FEMALE
 HEMBRA O-RING OGIVA 24° DIN CÓNICO RECTO
 DICHTKOPF 24° DIN KONUS MIT O-RING GERADE
 FEMMINA O-RING OGIVA 24° DIN - DRITTO



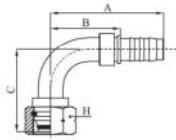
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|--------|---------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C21510-16-30 | 22 | - 16 | 7/8" | M 30x2 | 61,0 | 28,0 | | 36 |
| C21510-20-36 | 28 | - 20 | 1.1/8" | M 36x2 | 74,5 | 30,5 | | 41 |

C21540

24° DIN FLARE O-RING OGIVAL FEMALE 45° ELBOW
 HEMBRA O-RING OGIVA 24° DIN CÓNICO CODO 45°
 DICHTKOPF 24° DIN KONUS MIT O-RING - 45° BOGEN
 FEMMINA O-RING OGIVA 24° DIN - CURVA 45°



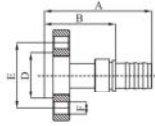
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|--------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C21540-16-30 | 22 | - 16 | 7/8" | M 30x2 | 95,0 | 62,0 | 29,0 | 36 |
| C21540-20-36 | 28 | - 20 | 1.1/8" | M 36x2 | 118,5 | 74,5 | 34,5 | 41 |



C21590

24° DIN FLARE O-RING OGIVAL FEMALE 90° ELBOW
 HEMBRA O-RING OGIVA 24° DIN CÓNICO CODO 90°
 DICHTKOPF 24° DIN KONUS MIT O-RING - 90° BOGEN
 FEMMINA O-RING OGIVA 24° DIN - CURVA 90°

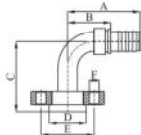
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|--------|-------------------|-------------------|-----------------|----|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| C21590-16-30 | 22 | - 16 | 7/8" | M 30x2 | 81,5 | 48,5 | 56,5 | 36 |
| C21590-20-36 | 28 | - 20 | 1.1/8" | M 36x2 | 105,0 | 61,0 | 69,5 | 41 |



C23710

STRAIGHT FLANGE FITTING
 BRIDA RECTA
 FLANSCHARMATUR GERADE
 RACCORDO DRITTO CON FLANGIA

| PART. REF. | HOSE SIZE | | | | DIMENSIONS mm | | | | |
|--------------|-----------|------|--------|--|-------------------|-------------------|------|------|--------|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | D | E | F |
| C23710-16-16 | 22 | - 16 | 7/8" | | 98,0 | 65,0 | 41,8 | 60,0 | Ø 11,0 |
| C23710-20-16 | 28 | - 20 | 1.1/8" | | 115,0 | 71,0 | 41,8 | 60,0 | Ø 11,0 |



C23790

FLANGE FITTING 90° ELBOW
 BRIDA 90°
 FLANSCHARMATUR - 90° BOGEN
 RACCORDO CON FLANGIA - CURVA 90°

| PART. REF. | HOSE SIZE | | | | DIMENSIONS mm | | | | | | |
|--------------|-----------|------|--------|--|-------------------|-------------------|-----------------|-----------------|----------------|----------------|--|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} | H ₁ | H ₂ | |
| C23790-16-16 | 22 | - 16 | 7/8" | | 81,5 | 48,5 | 79,5 | 41,8 | 60,0 | Ø 11,0 | |
| C23790-20-16 | 28 | - 20 | 1.1/8" | | 105,0 | 61,0 | 88,5 | 41,8 | 60,0 | Ø 11,0 | |

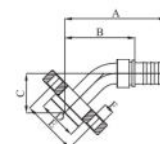
STAR-CRIMP FITTINGS

REFRI STAR

SAE J2064 TYPE B

C23740

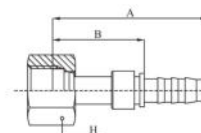
FLANGE FITTING 45° ELBOW
BRIDA 45°
FLANSCHARMATUR - 45° BOGEN
RACCORDO CON FLANGIA - CURVA 45°



| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | | | |
|--------------|-----------|------|--------|-------------------|-------------------|-----------------|------|------|--------|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | C ^{±2} | D | E | F |
| C23740-16-16 | 22 | - 16 | 7/8" | 107,1 | 74,6 | 41,7 | 41,8 | 60,0 | ∅ 11,0 |
| C23740-20-16 | 28 | - 20 | 1.1/8" | 126,4 | 82,9 | 44,3 | 41,8 | 60,0 | ∅ 11,0 |

C22410

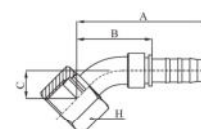
STRAIGHT ORS FLAT SEAL FEMALE
HEMBRA ASIEN TO PLANO ORS RECTO
ORS DICHTKOPF FLACHDICHTEND GERADE
FEMMINA TENUTA FRONTALE ORS - DRITTO



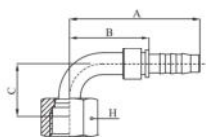
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | H |
| C22410-10-08 | 13 | - 10 | 1/2" | 13/16"-16-UN-2B | 73,4 | 41,3 | | 27 |
| C22410-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 84,0 | 51,0 | | 30 |
| C22410-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 108,5 | 75,5 | | 41 |
| C22410-20-20 | 28 | - 20 | 1.1/8" | 1.11/16"-12-UN-2B | 119,0 | 75,0 | | 50 |

C22440

ORS FLAT SEAL FEMALE 45° ELBOW
HEMBRA ASIEN TO PLANO ORS CODO 45°
ORS DICHTKOPF FLACHDICHTEND - 45° BOGEN
FEMMINA TENUTA FRONTALE ORS - CURVA 45°



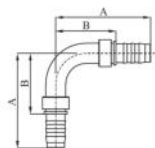
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| C22440-10-10 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 77,0 | 44,0 | 16,0 | 30 |
| C22440-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 106,5 | 73,5 | 40,5 | 41 |
| C22440-20-20 | 28 | - 20 | 1.1/8" | 1.11/16"-12-UN-2B | 115,0 | 71,0 | 25,5 | 50 |



C22490

ORS FLAT SEAL FEMALE 90° ELBOW
 HEMBRA ASIENTO PLANO ORS CODO 90°
 ORS DICHTKOPF FLACHDICHTEND - 90° BOGEN
 FEMMINA TENUTA FRONTALE ORS - CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------|-----------|------|--------|-------------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ⁺² |
| C22490-16-16 | 22 | - 16 | 7/8" | 1.7/16"-12-UN-2B | 108,5 | 75,5 | 48,0 | 41 |
| C22490-20-20 | 28 | - 20 | 1.1/8" | 1.11/16"-12-UN-2B | 109,0 | 65,0 | 56,0 | 50 |



C10090

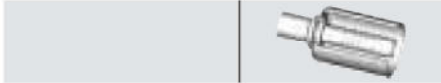
CONNECTION 90° ELBOW
 ACOPLÉ CODO 90°
 VERBINDER 90° BOGEN
 GIUNZIONE - CURVA 90°

| PART. REF. | HOSE SIZE | | | | DIMENSIONS mm | | | |
|--------------|-----------|------|-------|--|-------------------|-------------------|--|--|
| | DN | Dash | Inch | | A ^{+2.5} | B ^{+2.5} | | |
| C10090-06-06 | 8 | - 06 | 5/16" | | 74,8 | 48,8 | | |
| C10090-16-16 | 22 | - 16 | 7/8" | | 91,0 | 58,5 | | |

FAST-CRIMP FITTINGS

REFRI ❄️ **FAST**

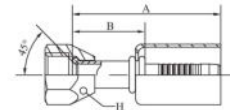
SAE J2064 TYPE A



| HOSE SIZE | | | FERRULE EXTERNAL DIAMETER |
|-----------|------|--------|---------------------------|
| DN | Dash | Inch | mm |
| 8 | - 06 | 5/16" | 22,0 |
| 10 | - 08 | 13/32" | 22,0 |
| 13 | - 10 | 1/2" | 25,8 |
| 16 | - 12 | 5/8" | 28,4 |

OPC22610

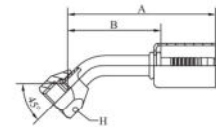
45° SAE STRAIGHT FEMALE
HEMBRA 45° SAE RECTO
SAE DICHTKOPF 45° BOGEN
FEMMINA 45° SAE DRITTO



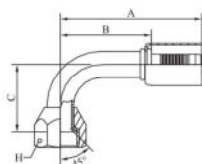
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} |
| OPC22610-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 53,2 | 26,0 | 19 |
| OPC22610-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 58,7 | 28,5 | 22 |
| OPC22610-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 60,7 | 30,0 | 27 |
| OPC42610-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS | 94,3 | 59,5 | 32 |

OPC22640

45° SAE FEMALE 45° ELBOW
HEMBRA SAE 45° CODO 45°
SAE DICHTKOPF 45° BOGEN
FEMMINA 45° SAE CURVA 45°

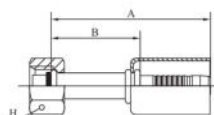


| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC22640-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 73,7 | 46,5 | 12,5 | 19 |
| OPC22640-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 84,7 | 54,5 | 15,0 | 22 |
| OPC22640-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 114,5 | 83,8 | 26,5 | 27 |


OPC22690

45° SAE FEMALE 90° ELBOW
 HEMBRA 45° SAE CODO 90°
 SAE DICHTKOPF 90° BOGEN
 FEMMINA 45° SAE CURVA 90°

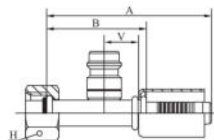
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC22690-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 69,2 | 42,0 | 26,0 | 19 |
| OPC22690-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 75,2 | 45,0 | 35,0 | 22 |
| OPC22690-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 85,7 | 55,0 | 41,0 | 27 |


OPC27910

STRAIGHT O-RING FEMALE
 HEMBRA O-RING RECTO
 O-RING DICHTKOPF GERADE
 FEMMINA O-RING DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|-------------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} |
| OPC27910-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 61,2 | 34,0 | 19 |
| OPC27910-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 66,2 | 36,0 | 22 |
| OPC27910-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 65,7 | 35,5 | 29 |
| OPC27910-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 67,7 | 37,0 | 27 |
| OPC27910-10-10078 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 77,7 | 47,0 | 27 |
| OPC27910-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 56,2 | 25,5 | 29 |
| OPC27910-10-11076 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 76,2 | 45,5 | 29 |
| OPC27910-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 68,96 | 39,6 | 27 |
| OPC27910-12-10079 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 78,9 | 46,9 | 27 |
| OPC47910-12-11* | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 51,2 | 16,4 | 29 |
| OPC47910-12-12* | 16 | - 12 | 5/8" | 1.1/16"-14-UNS | 67,8 | 33,0 | 32 |

* Obtained by brazing / Obtenido por soldadura / Celötet / Ottenuto tramite brasatura


OPC27915

STRAIGHT O-RING FEMALE WITH HIGH PRESSURE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE ALTA PRESION
 O-RING DICHTKOPF GERADE MIT HOCHDRUCKVENTIL
 FEMMINA O-RING DRITTO CON VALVOLA AD ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} |
| OPC27915-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 70,7 | 43,5 | 16,0 | 19 |
| OPC27915-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 76,7 | 46,5 | 16,0 | 22 |
| OPC27915-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 82,7 | 52,5 | 16,0 | 29 |

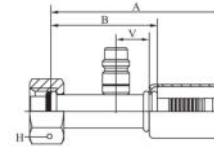
FAST-CRIMP FITTINGS

REFRI  **FAST**

SAE J2064 TYPE A

OPC27916

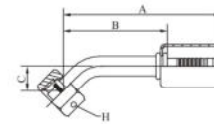
STRAIGHT O-RING FEMALE WITH LOW PRESSURE VALVE
 HEMBRA O-RING RECTO CON VÁLVULA DE BAJA PRESION
 O-RING DICHTKOPF GERADE MIT NIEDERDRUCKVENTIL
 FEMMINA O-RING DRITTO CON VALVOLA A BASSA PRESSIONE



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | V ^{±1} |
| OPC27916-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 81,7 | 51 | 16,0 | 27 |
| OPC27916-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 78,7 | 48 | 16,0 | 29 |

OPC27940

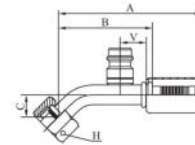
O-RING FEMALE 45° ELBOW
 HEMBRA O-RING CODO 45°
 O-RING DICHTKOPF 45° BOGEN
 FEMMINA O-RING CURVA 45°



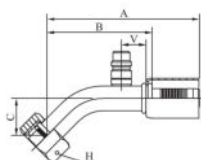
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC27940-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 79,7 | 52,5 | 12,5 | 19 |
| OPC27940-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 87,7 | 57,5 | 13,5 | 22 |
| OPC27940-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 84,7 | 54,5 | 14,0 | 29 |
| OPC27940-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 98,7 | 68,0 | 24,0 | 27 |
| OPC27940-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 97,7 | 67,0 | 22,0 | 29 |
| OPC27940-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 98,7 | 66,7 | 24,0 | 27 |

OPC27945

O-RING FEMALE WITH HIGH PRESSURE VALVE 45° ELBOW
 HEMBRA O-RING CON VÁLVULA DE ALTA PRESION CODO 45°
 O-RING DICHTKOPF 45° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING CURVA 45° CON VALVOLA AD ALTA PRESSIONE

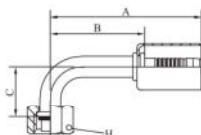


| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| OPC27945-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 79,7 | 52,5 | 12,5 | 16,0 | 19 |
| OPC27945-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 87,7 | 57,5 | 13,5 | 16,0 | 22 |
| OPC27945-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 84,7 | 54,5 | 14,0 | 16,0 | 29 |


OPC27946

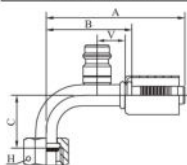
O-RING FEMALE WITH LOW PRESSURE VALVE 45° ELBOW
 HEMBRA O-RING CON VÁLVULA DE BAJA PRESION CODO 45°
 O-RING DICHTKOPF 45° BOGEN MIT NIEDRIGDRUCKVENTIL
 FEMMINA O-RING CURVA 45° CON VALVOLA A BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| OPC27946-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 98,7 | 68,0 | 24,0 | 16,0 | 27 |
| OPC27946-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 97,7 | 67,0 | 22,0 | 16,0 | 29 |


OPC27990

O-RING FEMALE 90° ELBOW
 HEMBRA O-RING CODO 90°
 O-RING DICHTKOPF 90° BOGEN
 FEMMINA O-RING CURVA 90°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| OPC27990-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 72,2 | 45 | 24,0 | 19 | |
| OPC27990-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 78,7 | 48,5 | 30,0 | 22 | |
| OPC27990-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 77,7 | 47,5 | 33,0 | 29 | |
| OPC27990-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 91,7 | 61,0 | 46,5 | 27 | |
| OPC27990-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 92,7 | 62,0 | 39,0 | 29 | |
| OPC27990-12-10 | 16 | - 12 | 5/8" | 7/8"-14-UNF-2B | 88,7 | 56,7 | 45,0 | 27 | |
| OPC27990-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 92,2 | 60,2 | 38,0 | 29 | |
| OPC47990-12-12 | 16 | - 12 | 5/8" | 1.1/16"-14-UNS | 102,8 | 68,0 | 54,5 | 32 | |


OPC27995

O-RING FEMALE WITH HIGH PRESSURE VALVE 90° ELBOW
 HEMBRA O-RING CON VÁLVULA DE ALTA PRESION CODO 90°
 O-RING DICHTKOPF 90° BOGEN MIT HOCHDRUCKVENTIL
 FEMMINA O-RING CURVA 90° CON VALVOLA AD ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| OPC27995-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 72,2 | 45,0 | 24,0 | 16,0 | 19 |
| OPC27995-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 78,8 | 48,5 | 30,0 | 16,0 | 22 |
| OPC27995-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 79,2 | 49,0 | 32,0 | 16,0 | 29 |

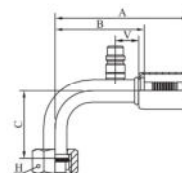
FAST-CRIMP FITTINGS

REFRI[®]FAST

SAE J2064 TYPE A

OPC27996

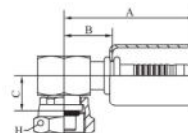
O-RING FEMALE WITH LOW PRESSURE VALVE 90° ELBOW
 HEMBRA O-RING CON VÁLVULA DE BAJA PRESION CODO 90°
 O-RING DICHTKOPF 90° BOGEN MIT NIEDRIGDRUCKVENTIL
 FEMMINA O-RING CURVA 90° CON VALVOLA A BASSA PRESSIONE



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | V ^{±1} |
| OPC27996-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 91,7 | 61,0 | 46,5 | 16,0 | 27 |
| OPC27996-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 92,7 | 62,0 | 39,0 | 16,0 | 29 |

OPC27980

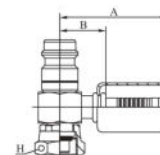
SHORT VERSION O-RING FEMALE
 HEMBRA O-RING TIPO CORTO
 O-RING DICHTKOPF 90° BOGEN KURZE VERSION
 FEMMINA O-RING TIPO CORTO CURVA 90°



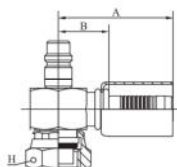
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| OPC27980-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 47,0 | 17,5 | 12,9 | 19 | |
| OPC27980-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 52,0 | 19,0 | 16,0 | 22 | |
| OPC27980-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 55,5 | 22,5 | 16,4 | 29 | |
| OPC27980-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 55,0 | 21,5 | 16,4 | 27 | |
| OPC27980-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 56,0 | 22,5 | 16,4 | 29 | |
| OPC47980-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 56,3 | 21,5 | 24,2 | 29 | |

OPC27985

SHORT VERSION O-RING FEMALE WITH HIGH PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CON VÁLVULA DE ALTA PRESION
 O-RING DICHTKOPF 90° BOGEN MIT HOCHDRUCKVENTIL KURZE VERSION
 FEMMINA O-RING TIPO CORTO CURVA 90° CON VALVOLA AD ALTA PRESSIONE

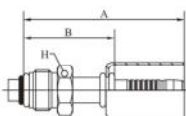


| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|---|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} | H |
| OPC27985-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2B | 47,0 | 17,5 | 12,9 | 19 | |
| OPC27985-08-08 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2B | 52,0 | 19,0 | 16,0 | 22 | |
| OPC27985-08-11 | 10 | - 08 | 13/32" | 1"-14-UNS-2B | 55,5 | 22,5 | 16,4 | 29 | |


OPC27986

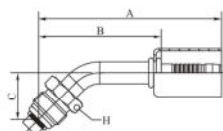
SHORT VERSION O-RING FEMALE WITH LOW PRESSURE VALVE
 HEMBRA O-RING TIPO CORTO CON VÁLVULA DE BAJA PRESION
 O-RING DICHTKOPF 90° BOGEN MIT NIEDRIGDRUCKVENTIL KURZE VERSION
 FEMMINA O-RING TIPO CORTO CURVA 90° CON VALVOLA A BASSA PRESSIONE

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ^{±2} |
| OPC27986-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2B | 55,0 | 21,5 | 16,4 | 27 |
| OPC27986-10-11 | 13 | - 10 | 1/2" | 1"-14-UNS-2B | 56,0 | 22,5 | 16,4 | 29 |
| OPC47986-12-11 | 16 | - 12 | 5/8" | 1"-14-UNS-2B | 56,3 | 21,5 | 24,2 | 29 |


OPC18010

STRAIGHT O-RING MALE
 MACHO O-RING RECTO
 O-RING AUSSENGEWINDE GERADE
 MASCHIO O-RING DRITTO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} |
| OPC18010-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 62,7 | 35,5 | 17 |
| OPC18010-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2A | 82,2 | 52,0 | 22 |
| OPC18010-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2A | 74,2 | 43,5 | 22 |
| OPC18010-12-10 | 16 | - 12 | 5/8" | 7/8"-18-UNS-2A | 69,7 | 37,7 | 22 |


OPC18040

O-RING MALE 45° ELBOW
 MACHO O-RING CODO 45°
 O-RING AUSSENGEWINDE 45° BOGEN
 MASCHIO O-RING CURVA 45°

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ^{±2} |
| OPC18040-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 82,7 | 55,5 | 21,5 | 17 |
| OPC18040-08-08 | 10 | - 08 | 13/32" | 3/4"-18-UNS-2A | 96,7 | 66,5 | 25,0 | 22 |
| OPC18040-10-10 | 13 | - 10 | 1/2" | 7/8"-18-UNS-2A | 102,2 | 71,5 | 30,0 | 22 |
| OPC18040-12-10 | 16 | - 12 | 5/8" | 7/8"-18-UNS-2A | 132,2 | 100,2 | 27,0 | 22 |

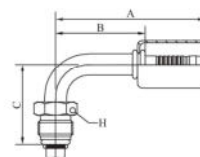
FAST-CRIMP FITTINGS

REFRI[®]FAST

SAE J2064 TYPE A

OPC18090

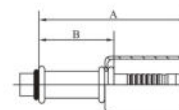
O-RING MALE 90° ELBOW
MACHO O-RING CODO 90°
O-RING AUSSENGWINDE 90° BOGEN
MASCHIO O-RING CURVA 90°



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|----------------|-----------|------|--------|----------------|---------------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | T | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC18090-06-06 | 8 | -06 | 5/16" | 5/8"-18-UNF-2A | 67,7 | 40,5 | 36,5 | 17 |
| OPC18090-08-08 | 10 | -08 | 13/32" | 3/4"-18-UNS-2A | 78,7 | 48,5 | 48,0 | 22 |
| OPC18090-10-10 | 13 | -10 | 1/2" | 7/8"-18-UNS-2A | 86,7 | 56,0 | 54,5 | 22 |

OPC27610

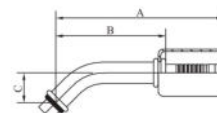
STRAIGHT FITTING FOR EXPANSION VALVE
CONEXION RECTA PARA VÁLVULA DE EXPANSIÓN
GERADE NIPPEL FÜR FÜLLVENTIL
RACCORDO DRITTO PER VALVOLA DI ESPANSIONE



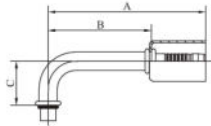
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|----------------|-----------|------|-------|--------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC27610-06-06 | 8 | -06 | 5/16" | | 55,2 | 28,0 | |
| OPC27610-10-12 | 13 | -10 | 1/2" | | 56,7 | 26,0 | |

OPC27640

FITTING FOR EXPANSION VALVE 45° ELBOW
CONEXION PARA VÁLVULA DE EXPANSION CODO 45°
GERADE NIPPEL FÜR FÜLLVENTIL 45° BOGEN
RACCORDO PER VALVOLA DI ESPANSIONE CURVA 45°

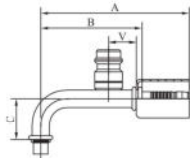


| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|----------------|-----------|------|-------|--------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | | A ^{±2.5} | B ^{±2.5} | C ^{±2} |
| OPC27640-06-06 | 8 | -06 | 5/16" | | 78,7 | 51,5 | 14,0 |
| OPC27640-10-12 | 13 | -10 | 1/2" | | 98,7 | 68,0 | 18,5 |
| OPC27640-12-12 | 16 | -12 | 5/8" | | 96,2 | 64,2 | 18,5 |


OPC27690

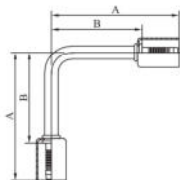
FITTING FOR EXPANSION VALVE 90° ELBOW
 CONEXION PARA VÁLVULA DE EXPANSION CODO 90°
 GERADE NIPPEL FÜR FÜLLVENTIL 90° BOGEN
 RACCORDO PER VALVOLA DI ESPANSIONE CURVA 90°

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | |
|----------------|-----------|------|-------|-------------------|-------------------|-----------------|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | C ⁺² |
| OPC27690-06-06 | 8 | - 06 | 5/16" | 85,7 | 58,5 | 24,0 |
| OPC27690-10-12 | 13 | - 10 | 1/2" | 94,2 | 63,5 | 42,5 |


OPC27695

FITTING FOR EXPANSION VALVE WITH HIGH PRESSURE VALVE 90° ELBOW
 CONEXION PARA VÁLVULA DE EXPANSION CON VÁLVULA DE ALTA PRESION CODO 90°
 VERBINDUNGSTÜCK FÜR AUSDEHNUNGSVENTIL 90° BOGEN MIT HOCHDRUCKVENTIL
 RACCORDO PER VALVOLA DI ESPANSIONE CURVA 90° CON VALVOLA AD ALTA PRESSIONE

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | | |
|----------------|-----------|------|-------|-------------------|-------------------|-----------------|-----------------|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | C ⁺² | V ⁺¹ |
| OPC27695-06-06 | 8 | - 06 | 5/16" | 85,7 | 58,5 | 24,0 | 16,0 |


OPC10090

CONNECTION FITTING 90° ELBOW
 CONEXION CODO 90°
 VERBINDER 90° BOGEN
 GIUNZIONE CURVA 90°

| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | |
|----------------|-----------|------|--------|-------------------|-------------------|--|
| | DN | Dash | Inch | A ^{+2.5} | B ^{+2.5} | |
| OPC10090-06-06 | 8 | - 06 | 5/16" | 94,3 | 67,1 | |
| OPC10090-08-08 | 10 | - 08 | 13/32" | 93,7 | 63,5 | |
| OPC10090-10-10 | 13 | - 10 | 1/2" | 98,1 | 67,4 | |

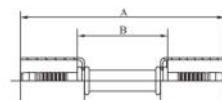
FAST-CRIMP FITTINGS

REFRI[®]FAST

SAE J2064 TYPE A

OPC10010

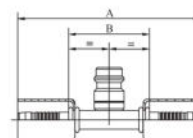
CONNECTION FITTING
UNIÓN RECTA
VERBINDER GERADE
GIUNZIONE DRITTA



| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | |
|----------------|-----------|------|--------|-------------------|-------------------|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | |
| OPC10010-06-06 | 8 | - 06 | 5/16" | 97,4 | 43,0 | |
| OPC10010-08-08 | 10 | - 08 | 13/32" | 99,4 | 39,0 | |
| OPC10010-10-10 | 13 | - 10 | 1/2" | 101,4 | 40,0 | |
| OPC10010-12-12 | 16 | - 12 | 5/8" | 105,4 | 41,4 | |

OPC10015

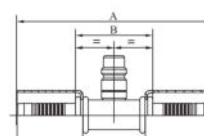
CONNECTION FITTING WITH HIGH PRESSURE VALVE
UNIÓN CON VÁLVULA DE ALTA PRESION
VERBINDER GERADE MIT HOCHDRUCKVENTIL
GIUNZIONE DRITTA CON VALVOLA AD ALTA PRESSIONE



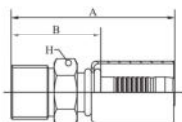
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | |
|----------------|-----------|------|--------|-------------------|-------------------|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | |
| OPC10015-06-06 | 8 | - 06 | 5/16" | 97,4 | 43,0 | |
| OPC10015-08-08 | 10 | - 08 | 13/32" | 94,0 | 33,6 | |

OPC10016

CONNECTION FITTING WITH LOW PRESSURE VALVE
UNIÓN CON VÁLVULA DE BAJA PRESION
VERBINDER GERADE MIT NIEDRIGDRUCKVENTIL
GIUNZIONE DRITTA CON VALVOLA A BASSA PRESSIONE



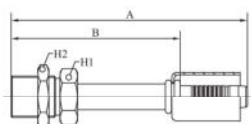
| PART. REF. | HOSE SIZE | | | DIMENSIONS mm | | |
|----------------|-----------|------|------|-------------------|-------------------|--|
| | DN | Dash | Inch | A ^{±2.5} | B ^{±2.5} | |
| OPC10016-10-10 | 13 | - 10 | 1/2" | 96,0 | 34,6 | |
| OPC10016-12-12 | 16 | - 12 | 5/8" | 117,9 | 53,9 | |



OPC17910

STRAIGHT MALE WITH O-RING SEAT
 MACHO RECTO CON O-RING
 GERADES O-RING AUSSENGEWINDE
 MASCHIO SEDE O-RING DRITTO

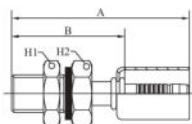
| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | |
|----------------|-----------|------|-------|----------------|-------------------|-------------------|----|
| | DN | Dash | Inch | | A ^{+2.5} | B ^{+2.5} | H |
| OPC17910-06-06 | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 56,0 | 28,5 | 17 |
| OPC17910-10-10 | 13 | - 10 | 1/2" | 7/8"-14-UNF-2A | 68,3 | 33,8 | 24 |



OPC17910...W

STRAIGHT MALE WITH O-RING SEAT WITH COUNTER NUT
 MACHO RECTO PASATABIQUE CON O-RING
 GERADES O-RING AUSSENGEWINDE MIT KONTERMUTTER
 MASCHIO SEDE O-RING DRITTO CON CONTRODADO

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|-------------------|-----------|------|--------|----------------|-------------------|-------------------|----------------|----------------|
| | DN | Dash | Inch | | A ^{+2.5} | B ^{+2.5} | H ₁ | H ₂ |
| OPC17910-08-08W25 | 10 | - 08 | 13/32" | 3/4"-16-UNF-2A | 106,2 | 76,0 | 22 | 25 |



OPC17910...W...Q

STRAIGHT MALE WITH O-RING SEAT WITH COUNTER NUT AND Q-RING
 MACHO RECTO PASATABIQUE CON O-RING Y Q-RING
 GERADES O-RING AUSSENGEWINDE MIT KONTERMUTTER UND Q-RING
 MASCHIO SEDE O-RING DRITTO CON CONTRODADO E Q-RING

| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | |
|--------------------|-----------|------|-------|----------------|-------------------|-------------------|----------------|----------------|
| | DN | Dash | Inch | | A ^{+2.5} | B ^{+2.5} | H ₁ | H ₂ |
| OPC17910-06-06W24Q | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 75,2 | 48,0 | 24 | 24 |
| OPC17910-10-10W29Q | 13 | - 10 | 1/2" | 7/8"-14-UNF-2A | 82,7 | 52,0 | 29 | 29 |

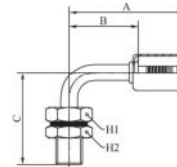
FAST-CRIMP FITTINGS

REFRI[®]FAST

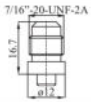



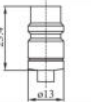
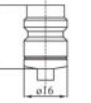
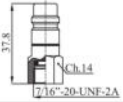
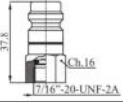
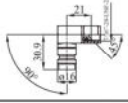

SAE J2064 TYPE A

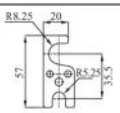
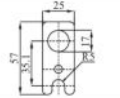
OPC17990...W...Q

MALE WITH O-RING SEAT WITH COUNTER NUT AND Q-RING 90° ELBOW
 CODO MACHO 90° PASATABIQUE CON O-RING Y Q-RING
 O-RING AUSSENGEWINDE MIT KONTERMUTTER UND Q-RING - 90° BOGEN
 MASCHIO CON O-RING, CONTRODATO E Q-RING CURVA 90°



| PART. REF. | HOSE SIZE | | | THREAD | DIMENSIONS mm | | | | |
|--------------------|-----------|------|-------|----------------|------------------|-------------------|-------------------|-------------------|----------------|
| | DN | Dash | Inch | | T | A ^{+2.5} | B ^{+2.5} | C ^{+2.0} | H ₁ |
| OPC17990-06-06W24Q | 8 | - 06 | 5/16" | 5/8"-18-UNF-2A | 68,4 | 41,2 | 55,0 | 24 | 24 |
| OPC17990-10-10W30Q | 13 | - 10 | 1/2" | 7/8"-14-UNF-2A | 85,4 | 54,7 | 64,0 | 29 | 30 |

| CODE | VALVE TYPE | CHARACTERISTICS | VALVE CORE | CAP |
|---------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9000984 |  | CHARGE VALVE - 1/4" SAE FOR R134a VÁLVULA DE CARGA - 1/4" SAE PARA R134a FÜLLVENTIL 1/4" SAE FÜR R134a VALVOLA DI CARICA 1/4" SAE PER R134a |  9001188 |  HP 9001186  LP 9001187 1/4 SAE CHARGE VALVE 9001210 |
| 9000981 |  | LOW PRESSURE CHARGE VALVE FOR R134a VÁLVULA DE CARGA DE BAJA PRESION PARA R134a NIEDERDRUCKFÜLLVENTIL FÜR R134a VALVOLA DI CARICA BASSA PRESSIONE PER R134a | | |
| 9000980 |  | HIGH PRESSURE CHARGE VALVE FOR R134a VÁLVULA DE CARGA DE ALTA PRESION PARA R134a HOCHDRUCKFÜLLVENTIL FÜR R134a VALVOLA DI CARICA ALTA PRESSIONE PER R134a | | |
| 9000983 |  | LOW PRESSURE VALVE ADAPTER ADAPTADOR PARA VÁLVULA DE BAJA PRESION NIEDERDRUCKVENTILADAPTER ADATTATORE PER VALVOLA BASSA PRESSIONE | | |
| 9000982 |  | HIGH PRESSURE VALVE ADAPTER ADAPTADOR PARA VÁLVULA DE ALTA PRESION HOCHDRUCKVENTILADAPTER ADATTATORE PER VALVOLA ALTA PRESSIONE | | |
| 1003326 |  | 90° LOW PRESSURE VALVE ADAPTER 90° ADAPTADOR PARA VÁLVULA DE BAJA PRESION 90° NIEDERDRUCKVENTILADAPTER 90° ADATTATORE PER VALVOLA A BASSA PRESSIONE | | |
| 1004323 |  | 90° HIGH PRESSURE VALVE ADAPTER 90° ADAPTADOR PARA VÁLVULA DE ALTA PRESION 90° HOCHDRUCKVENTILADAPTER 90° ADATTATORE PER VALVOLA AD ALTA PRESSIONE | | |

| CODE | PLATE | CHARACTERISTICS |
|---------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9001181 |  | PLATE TO FIX THE TUBE TO THE EXPANSION VALVE PLATINA PARA FIJAR EL TUBO A LA VÁLVULA DE EXPANSION PLATTE ZUR FIXIERUNG DES SCHLAUCHES AM EXPANSIONSVENTIL PIASTRINA DI FISSAGGIO TUBI ALLA VALVOLA DI ESPANSIONE |
| 9001182 |  | PLATE TO FIX THE TUBE TO THE EXPANSION VALVE PLATINA PARA FIJAR EL TUBO A LA VÁLVULA DE EXPANSION PLATTE ZUR FIXIERUNG DES SCHLAUCHES AM EXPANSIONSVENTIL PIASTRINA DI FISSAGGIO TUBI ALLA VALVOLA DI ESPANSIONE |

PRODUCT RANGE

REFRI ❄️

ACCESSORIES

ELASTOMERIC INSULATING SLEEVE

MANGA AISLANTE ELASTOMERICA
ISOLIERENDER ELASTOMER SCHUTZSCHLAUCH
GUAINA ISOLANTE DI NATURA ELASTOMERICA

| CODE | DESCRIPTION | I.D. | WALL THICKNESS |
|---------|----------------|------|----------------|
| 9001132 | ARMAFLEX D18X6 | 18,0 | 6,0 |
| 9001137 | ARMAFLEX D28X9 | 28,0 | 9,0 |
| 9001140 | ARMAFLEX D35X9 | 35,0 | 9,0 |
| 9001141 | ARMAFLEX D42X9 | 42,0 | 9,0 |



FURTHER DIMENSIONS AVAILABLE ON REQUEST
OTRAS DIMENSIONES DISPONIBLES A SOLICITUD
WEITERE ABMESSUNGEN AUF ANFRAGE ERHÄLTlich
ALTRE MISURE DISPONIBILI SU RICHIESTA

COMPOSITION: Elastomeric foam compounded by synthetic rubber MAIN APPLICATION: Protection to avoid condensation for refrigeration and air conditioning system TECHNICAL DATA: Temperature resistance -40°C - +105°C

COMPOSICION: Espuma elastomérica a base de caucho sintético PRINCIPAL APLICACIÓN: Protección para evitar condensación
DATOS TÉCNICOS: Resistencia a la temperatura -40°C - +105°C

AUFBAU: Elastomerschaum im Verbund mit synthetischem Gummi HAUPTANWENDUNG: Schutz vor Kondensation in Kühl- und A/C Systemen
TECHNISCHE DATEN: Temperaturbeständigkeit -40°C - +105°C

COMPOSIZIONE: Schiuma elastomerica a base di gomme sintetiche PRINCIPALI APPLICAZIONI: Anticondensa per impianti di refrigerazione e condizionamento
DATI TECNICI: Resistenza alla temperatura -40°C - +105°C

CORRUGATED TUBE

TUBO CORRUGADO
ISOLIERENDER ELASTOMER SCHUTZSCHLAUCH
GUAINA ISOLANTE DI NATURA ELASTOMERICA

| CODE | DESCRIPTION | I.D. | WALL THICKNESS |
|---------|--------------|------|----------------|
| 2009051 | DN17 SLITTED | 16,8 | 1,8 |
| 2007947 | DN19 SLITTED | 19,4 | 2,0 |
| 2008438 | DN22 SLITTED | 21,8 | 1,7 |
| 2009064 | DN23 SLITTED | 23,7 | 2,0 |



FURTHER DIMENSIONS AVAILABLE ON REQUEST
OTRAS DIMENSIONES DISPONIBLES A SOLICITUD
WEITERE ABMESSUNGEN AUF ANFRAGE ERHÄLTlich
ALTRE MISURE DISPONIBILI SU RICHIESTA

COMPOSITION: MODIFIED POLYPROPYLEN MAIN APPLICATION: ABRASION RESISTANCE

COMPOSICION: Polipropileno modificado PRINCIPAL APLICACIÓN: Resistencia a la abrasión

AUFBAU: Modifiziertes Polypropylen HAUPTANWENDUNG: Abriebschutz

COMPOSIZIONE: Polipropilene modificado PRINCIPALI APPLICAZIONI: Resistenza all'abrasione

SLEEVE FOR PROTECTION FROM RADIANT HEAT

MANGA DE PROTECCION DEL CALOR POR RADIACION
SCHLAUCH ZUM SCHUTZ GEGEN STRAHLUNGSWÄRME
GUAINA DI PROTEZIONE CONTRO IL CALORE IRRADIATO

| CODE | DESCRIPTION | I.D. | WALL THICKNESS |
|---------|-------------|------|----------------|
| 2001265 | WEST-SR-D20 | 20,0 | 1,4 |
| 2001266 | WEST-SR-D24 | 24,5 | 1,4 |
| 9001267 | WEST-SR-D26 | 26,5 | 1,5 |
| 9007095 | WEST-SR-D28 | 28,0 | 1,5 |
| 9007156 | WEST-SR-D30 | 30,0 | 1,6 |
| 9007096 | WEST-SR-D32 | 32,0 | 1,6 |
| 9007154 | WEST-SR-D34 | 34,0 | 1,6 |



FURTHER DIMENSIONS AVAILABLE ON REQUEST
OTRAS DIMENSIONES DISPONIBLES A SOLICITUD
WEITERE ABMESSUNGEN AUF ANFRAGE ERHÄLTlich
ALTRE MISURE DISPONIBILI SU RICHIESTA

COMPOSITION: Inner layer: glassfibrific material laminated on aluminium - Outer layer: aluminium alloy

MAIN APPLICATION: Protection against heat radiation sources for A/C hose assemblies TECHNICAL DATA: Temperature resistance -40°C - +250°C

COMPOSICION: Cubierta interior: fibra de vidrio laminado en aluminio Cubierta exterior: aleación de aluminio

PRINCIPAL APLICACIÓN: Protección contra el calor por radiación DATOS TÉCNICOS: Resistencia a la temperatura -40°C - +250°C

AUFBAU: Innen: Glasfasergewebe auf Aluminium Außen: Aluminium HAUPTANWENDUNG: Schutz gegen Strahlungswärme für Klimaschläuche

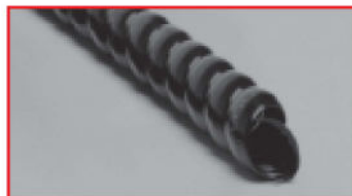
TECHNISCHE DATEN: Temperaturbeständigkeit -40°C - +250°C

COMPOSIZIONE: Strato interno: fibra di vetro laminata su alluminio - Strato esterno: lega di alluminio PRINCIPALI APPLICAZIONI: Protezione contro il calore irradiato di tubazioni assemblate per applicazioni aria condizionata DATI TECNICI: Resistenza alla temperatura -40°C - +250°C

HTPS - HT PROTECTION SPRING

HTPS - PROTECCIONES PARA ALTA TEMPERATURA
HTPS - HITZEBESTÄNDIGE SCHUTZFEDER
HTPS - SPIRALE DI PROTEZIONE HT

| CODE | DESCRIPTION | I.D. | WALL THICKNESS |
|----------------|---------------------------|------|----------------|
| JP12B030161099 | HT PROTECTION SPRING DN16 | 16,0 | 1,8 |
| JP12B030191099 | HT PROTECTION SPRING DN19 | 19,0 | 2,3 |



FURTHER DIMENSIONS AVAILABLE ON REQUEST
OTRAS DIMENSIONES DISPONIBLES A SOLICITUD
WEITERE ABMESSUNGEN AUF ANFRAGE ERHÄLTlich
ALTRE MISURE DISPONIBILI SU RICHIESTA

COMPOSITION: Black polyamide, rounded profile MAIN APPLICATION: Hose abrasion protection

TECHNICAL DATA: Service Temperature range -40°C - +120°C

COMPOSICION: Poliamida negro, perfil redondeado PRINCIPAL APLICACIÓN: Protección contra abrasión tubos y conducción múltiple

DATOS TÉCNICOS: Temperatura de servicio -40°C - +120°C

AUFBAU: Schwarzes Polyamid, abgerundetes Profil HAUPTANWENDUNG: Schützt den Schlauch vor Abrieb

TECHNISCHE DATEN: Betriebstemperaturbereich -40°C - +120°C

COMPOSIZIONE: Poliamide nero PRINCIPALI APPLICAZIONI: Protezione del tubo dall'abrasione

DATI TECNICI: Temperatura di servizio -40°C - +120°C

