





ARMATUREN & ADAPTER  
FITTINGS AND ADAPTERS  
АРМАТУРА И АДАПТЕРЫ

KATALOG / PREISLISTE 2007  
CATALOG / PRICELIST 2007  
КАТАЛОГ / ПРАЙСЛИСТ 2007

## Hinweis

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Seit der Gründung am 1. Oktober 2001 verfolgt die **LWM HosAcc GmbH** konsequent ein einziges Ziel: „Ein abgestimmtes und garantiertes Gesamtpaket an Produkten für die Hydraulik, Maschinentechnik, Antriebstechnik und eine Vielzahl an technischen Lösungen sofort oder binnen weniger Tage anbieten zu können.“

Um dies zu ermöglichen und zu realisieren, fungiert die **LWM HosAcc GmbH** in Solingen als Drehscheibe und Distributor für mehr als 14 italienische Produktionsstätten. Aus Solingen werden mehrere Vertragspartner in Deutschland, Europa und der Russischen Föderation beliefert und betreut. Wir lassen unsere Produkte in zertifizierten Betrieben nach unseren Vorgaben fertigen. Die **LWM HosAcc GmbH** ist insbesondere stolz auf den exklusiven Vertrieb von **VITILLO** Armaturen, Messkupplungen und Zubehör der Firma **MINI PRESS**, Hydraulikschläuchen der Firma **TEKNOHOSE** sowie von Industrieschläuchen der Firma **TUBI GOMMA TORINO** und Thermoplastschläuchen der Firma **ZEC**. Unsere eigenen Schläuche, **LWM-IDROTEC**, **LWM-IDROSPIR** und **LWM-IDROJET**, werden in einer neuen Produktion in den Abruzzen/Italien hergestellt. Zusätzlich fertigen mehrere kleinere Betriebe exklusiv für uns Zubehör, Sonderartikel und Waschgerätetechnik.



Bei der **LWM HosAcc GmbH** in Solingen werden auf 18 000 m<sup>3</sup> Lagerfläche über 1,5 Millionen Meter Schlauch und mehr als 16 Millionen Armaturenteile und Zubehör ständig gelagert. Wir sind sicher, dass Sie in uns den Partner finden, den Sie sich immer gewünscht haben.

Since **LWM HosAcc GmbH** was established on 1st October 2001, it has consistently pursued only one goal: "To offer a coordinated and guaranteed overall package of products for hydraulics, mechanical engineering, drive technology and a large number of technical solutions, immediately or within a few days."

In order to realize this goal, **LWM HosAcc GmbH** in Solingen functions as a nerve centre and distributor for more than 14 Italian production plants. Several contractual partners in Germany, Europe and the Russian Federation are supplied and supported from Solingen. Our products are manufactured to our specifications in certified factories. **LWM HosAcc GmbH** is particularly proud of the exclusive sales and distribution of **VITILLO** fittings, test couplings and accessories by the company **MINI PRESS**, hydraulic hoses by **TEKNOHOSE**, as well as industrial hoses from the company **TUBI GOMMA TORINO** and thermoplastic hoses by the company **ZEC**. Our own **LWM-IDROTEC**, **LWM-IDROSPIR** and **LWM-IDROJET** hoses are manufactured in a new production facility in Abruzzi, Italy. In addition, several smaller companies produce accessories, special articles and washing equipment technology, exclusively for us.



On the premises of **LWM HosAcc GmbH** in Solingen, over 1.5 million metres of hose and more than 16 million fittings parts and accessories are permanently stored in 18,000 cubic metres of storage area. We are sure you will find that we are the partner you have always been looking for.

Начиная с момента учреждения **LWM HosAcc GmbH** 1 октября 2001г. мы последовательно и неуклонно преследуем цель – немедленно или в кратчайшие сроки предлагать не только разнообразную продукцию для оснащения гидравлической техники и машиностроения в этой области, но и множественные четко продуманные и согласованные технические решения.



Предпосылкой для успешного решения этих задач является то, что расположенная в Золингене фирма **LWM HosAcc GmbH** является не только дистрибутором более 14 итальянских производителей, но и динамичной, разносторонне развитой структурой. Из Золингена снабжаются продукцией и информацией наши многие деловые партнеры в Германии, Европе и странах бывшего Советского Союза. Наша продукция изготавливается сертифицированными производителями в строгом соответствии с Европейскими нормами. Наша фирма особенно гордится эксклюзивными правами на реализацию арматуры фирмы **VITILLO**, съемно-соединительной арматуры для приборов измерения и аксессуаров фирмы **MINI PRESS**, гидравлических рукавов **TEKNOHOSE**, а также промышленных рукавов фирмы **TUBI GOMMA TORINO** и термопластиковых рукавов фирмы **ZEC**.

Наши собственные рукава **LWM-IDROTEC**, **LWM-IDROSPIR** и **LWM-IDROJET**, **LWMIDROSPIR** и **LWM-IDROJET** изготавливаются на новом производстве в Италии. Несколько более мелких итальянских предприятий исключительно для нас производят оснастку, нестандартные артикли, а также перечень позиций для моечной техники. На более чем 18 000 м<sup>3</sup> складских помещений постоянно находится более 1,5 млн. метров и почти 16 млн. различных артиклей арматуры.

Мы уверены, что сможем стать Вашим постоянным и надежным партнером, с которым Вы, возможно, уже давно хотели бы сотрудничать.

## Über unseren Partner

About our partner / О нашем партнѐре

Bereits vor der Gründung 1991 des Unternehmens **Vitillo S.r.l.** in Ariano Irpino, Italien, hatte sich die Familie Vitillo zuvor mit der Herstellung und dem Vertrieb von Hydraulikkomponenten beschäftigt.

Binnen weniger Jahre expandierte **Vitillo S.r.l.** in rasender Geschwindigkeit und avancierte zu einem der führenden Hersteller von Hydraulik-Armaturen Europas.

Heute verfügt **Vitillo S.r.l.** über ein sehr hohes Know-how, das ihr erlaubt, auch den ausgefallensten Wünschen und Anforderungen des Marktes gerecht zu werden.

In Zusammenarbeit mit ihren Kunden werden spezielle Sonderlösungen entworfen, überprüft und hergestellt.

Der Schwerpunkt, oder besser gesagt, die Mission der Vitillo-Entwicklungsabteilung liegt in der Überprüfung aller am Markt verwendeten Armaturensysteme und in deren Prüfung auf Funktion, Haltbarkeit und Kompatibilität. Die daraus resultierenden Erkenntnisse werden genauestens analysiert und dienen anschließend als Vorgabe, um die eigenen Armaturensysteme zu optimieren und weiterzuentwickeln.

Die eigene Hydraulikschlauch-Produktion hat es möglich gemacht, das Know-how in der Schlauchproduktion synergetisch zu nutzen, um die Armaturen weiterzuentwickeln. Moderne Impuls-Prüfmaschinen prüfen rund um die Uhr die Qualität und Haltbarkeit der Schläuche und Armaturen der Vitillo Group.

Die neue, geschmiedete no skive-Fassung B12T08N ist ein Musterbeispiel dafür, wie gut die Kompatibilität des gesamten Systems aufeinander abgestimmt ist. Im Test mit einer DKR 1/2"-Armatur und einem 2SN DN12 Teknohose-Hydraulikschlauch werden mehr als 1 Million Impulszyklen erreicht. Die Vitillo-Technologie macht den Prozess des Schlauch Schälens überflüssig - das spart Zeit bei der Verpressung und eliminiert die Problematik des Schälvorgangs.

Sämtliche Arbeitsprozesse werden im eigenen Betrieb durchgeführt, so dass die Qualität der Vitillo S.r.l. ständig in allen Abteilungen überprüft werden kann.

Die Vitillo-Produktpalette umfasst dabei sowohl Hydraulik Armaturen, Interlock Armaturen und Adapter als auch geschmiedete Adapter und DIN Verschraubungen.

Alle Armaturen werden heute nach der gültigen Norm EU-RoHS 2002/95/EG Chrom VI-frei produziert.

Die **Vitillo S.r.l.** ist nach ISO 9001:2000 zertifiziert.

WIR SIND BESONDERS STOLZ DARAUF, DIE PRODUKTE DER VITILLO GROUP EXKLUSIV FÜR DEN DEUTSCHSPRACHIGEN RAUM ZU VERTREIBEN.

**LWM HosAcc GmbH**  
Leonardo Morrone



Even before **Vitillo S.r.l.** was found in Ariano, Italy, in 1991 the Vitillo-family already manufactured and sold hydraulic components.

Within a few years **Vitillo S.r.l.** expanded rapidly and developed to one of Europe's leading manufacturers of hydraulic fittings.

Today **Vitillo S.r.l.** has achieved a high know-how to satisfy even the most unusual desires and needs of the market. In cooperation with the costumers **Vitillo S.r.l.** creates, works out and manufactures special solutions.

The main focus – or better - the mission of Vitillo's development department is to check up all fitting systems on the market and their function, durability and compatibility. The results of those checks are carefully analyzed and serve as parameters to optimize and enhance the appropriate fitting systems.

The production of Vitillo hydraulic hoses has combined the know-how of manufacturing hoses in a synergetic way in order to develop their fittings.

Modern impulse test machines steadily examine the quality and stability of Vitillo's hoses and fittings.

The new forged no skive-ferrule B12T08N is a great example to represent the compatibility and adjustment of the entire system. By testing the fitting DKR ½" with the Teknohose-hydraulic hose 2SN 12 more than 1 million impulse cycles are reached. Through the Technology of the Vitillo System the skiving process becomes unnecessary – this saves time for the crimping process and eliminates the difficulty of the skiving process. Every operating process is realized in the own factory in order to constantly control the quality in all departments. The product range of Vitillo includes thereby hydraulic fittings, interlock fittings and adapters as well as forged adapters and DIN connections.

All fittings are produced chrome VI free according to the valid norm EU-RoHS 2002/95/EG.

**Vitillo S.r.l.** is certified according to ISO 9001:2000.

We are particularly proud to sell the products of the Vitillo Group exclusively for the German-speaking countries.

LWM HosAcc GmbH  
Leonardo Morrone

В 1991 году, из небольшого семейного дела, была создана в Италии, Ариано Ирпино фирма Vitillo S.r.l. по производству и поставке гидравлических компонентов.

В течение нескольких лет фирма **Vitillo S.r.l.** переросла в одного из ведущих европейских производителей и поставщиков гидравлических компонентов.

Приобретённые и разработанные фирмой **Vitillo S.r.l.** know-how, позволяют на сегодняшний день находить специальные решения, разрабатывая и развивая совместно с клиентом специальную арматуру, соответствующую запросам рынка, а также эффективно и оперативно реагировать на изменение конъюнктуры рынка.

Одной из главных задач отдела развития фирмы **Vitillo S.r.l.** является анализ всех использующихся на рынке систем арматуры, а также тестирование функциональных возможностей, на прочность и совместимость. Тщательное исследование полученных результатов являются предпосылкой для развития и оптимизации систем арматуры.

Собственное производство гидравлического рукава дало возможность синергетически использовать know-how в дальнейшей разработке арматуры.

Современные импульсные тест-машины и другие контрольные приборы круглосуточно тестируют качество и прочность рукава, и арматуры Vitillo Group.

Одним из примеров отличной совместимости, является тест рукава Teknohose 2SN DN 12 в комплекте с no skive - муфтой B12T08N и арматурой DKR ½, в котором было достигнуто более 1 миллиона импульсов. Технологии Vitillo позволяют исключить процесс зачистки стандартных рукавов с металлической оплёткой, устраняя при этом связанную с этим проблематику, что облегчает и ускоряет опрессовку.

Все производственные шаги/процессы осуществляются и тестируются на собственном производстве фирмы **Vitillo S.r.l.**

Ассортимент продуктов фирмы **Vitillo S.r.l.** охватывает не только гидравлическую арматуру но и interlock - арматуру, адаптеры и трубные соединения стандарта DIN.

Производство арматуры осуществляется согласно норме EU- RoHS 2002/95/EG Chrom VI- frei (оцинковка не содержит Chrom 6).

Сертификат **Vitillo S.r.l.** соответствует ISO 9001:2000

Мы особенно гордимся эксклюзивно представлять все продукты Vitillo Group.

**LWM HosAcc GmbH**  
Леонардо Морроне

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### **Sonstige Informationen**

LWM Standard- und Interlock-Armaturen, Fassungen sowie Adapter werden aus Stahl mit Chrom 6 Freier Verzinkung hergestellt, die Sie jedoch auch in Edelstahl bei uns beziehen können.

Unser Programm wird stetig erweitert und neuen technischen Bedürfnissen sowie Weiterentwicklungen angepasst.

### **General Information**

LWM Standard and Interlock fittings, ferrules as well as adapters are made of steel with chrome 6 free zinc. All products are also available in stainless steel.

Our assortment of products is constantly enhanced and adapted to new technical progresses and evolution.

### **Дополнительная информация**

Стандартные артикли, а также Interlock – арматура и муфты фирмы LWM изготовлены из высококачественной оцинкованной стали (оцинковка не содержит Chrom 6). Все артикли также можно изготовить из нержавеющей стали.

Мы ориентируемся на новые технологии, разработки и постоянно расширяем наш ассортимент.

## Anleitung zum Verpressen

1. Wählen Sie alle Komponenten zur Fertigung der Schlauchleitung anhand unserer aktuellen Kataloge aus. Für die anschlussseitige Befestigung stehen eine Reihe von Armaturen zur Verfügung; Schlaucharmaturen müssen so ausgewählt werden, dass sie den zu erwartenden mechanischen, thermischen und chemischen Beanspruchungen standhalten.
2. Schneiden Sie den ausgewählten Schlauch senkrecht auf die gewünschte Länge mit einem für den Schlauch vorgesehenen scharfen Schneideblatt.  
Falls der Schlauch geschält werden muss, stellen Sie das Schälmesser auf die empfohlene Länge mit einer Toleranz von +/-0,5mm ein. Schälen Sie soviel Gummi wie möglich ab, beachten Sie jedoch dabei, nicht den Draht des Schlauches zu beschädigen. Schälen Sie, wenn möglich von hinten nach vorne, in Richtung Schlauchende / Schnittkante. Bitte achten Sie darauf, nicht gegen die Drahrichtung zu schälen.
3. Setzen Sie die Fassung komplett über das Schlauchende und schieben Sie die Pressfassung bis zum Anschlag über den Schlauch. Danach schieben Sie den Nippel in das Schlauchende, schmieren Sie eine geringe Ölmenge auf das schlauchseitige Fußteil des Nippels und überprüfen Sie, falls notwendig, ob die Einhängenut richtig positioniert wurde. Bei größeren Nennweiten oder Interlock-Armaturen verwenden Sie ein geeignetes Nippel einstoßgerät.
4. Zum Verpressen der Schlauchleitung wählen Sie den Pressbackensatz der Ihrem Pressmaß am Nächsten liegt aus. Bei z.B. einem Pressmaß von 23 mm verwenden Sie einen Backensatz von 22 mm. Beim Verpressen beachten Sie das von uns empfohlene Pressmaß mit einer Toleranz von +/-0,2 mm.
5. Um Ihre Verpressung zu kontrollieren, prüfen Sie mit Hilfe einer Schieblehre den Durchmesser der nun verpressten Fassung in drei verschiedenen Positionen ca. 120° von einander entfernt. Diese drei Messungen, die in der Mitte der Fassung durchgeführt wurden, müssen dem Pressmaß mit einer Toleranz von +/-0,2 mm entsprechen. Falls das empfohlene Pressmaß nicht erreicht wurde, erhöhen Sie die Einstellung der Maschine in 0,1 mm Schritten, um den korrekten Durchmesser zu erreichen. Trotz empfohlenen Pressmaßes ist es notwendig den Nippel einfall zu messen. Der korrekte Nippel einfall wird in der Mitte des Nippelschwanzes gemessen; in der Regel beträgt der Nippel einfall je Durchmesser zwischen 0,1 – 0,5 mm. Bitte prüfen Sie diesen mit Hilfe von Messdornen oder Innentastern.
6. Eine zweifache Verpressung der Fassung soll vermieden werden, da dies die Lebenserwartung einer Schlauchleitung verringert. Daher benutzen Sie nur Pressbacken, die lang genug sind, um die Fassung komplett zu verpressen. Pressfassungen dürfen nicht wiederverwendet werden.
7. Die Kennzeichnung der Schlauchleitungen muss dauerhaft und unter Berücksichtigung der jeweiligen Schlauch-Normen erfolgen. Dabei ist die Maßeinheit des Druckes mit anzugeben, um Verwechslungen zwischen Angaben in bar und in MPa zu vermeiden.

**Beispiel:** Kennzeichnung einer Schlauchleitung für den max. Betriebsdruck von 250bar bzw. 25 MPa und der Schlauchleitungsherstellung im November 2006.

XXX / 250 bar / 06/11  
Hersteller / Betriebsdruck / Schlauchleitungsherstellungsdatum

XXX / 25,0 MPa / 06/11  
Hersteller / Betriebsdruck / Schlauchleitungsherstellungsdatum

## Anmerkungen:

Sämtliche Fertigungstoleranzen sowie weitere technische Informationen zur Fertigung von Schlauchleitungen entnehmen Sie der DIN 20066.

Wir weisen Sie darauf hin, dass sich die genannten Angaben zur Fertigung von Schlauchleitungen nur auf die Verwendung von LWM - Produkten beziehen. Trotzdem möchten wir Sie darauf hinweisen, dass bei der Verwendung verschiedener Fabrikate stets ein Kompatibilitätstest angefordert werden sollte oder evtl. selbst auf Kompatibilität geprüft werden muss.

Für jegliche Rückfragen stehen wir Ihnen selbstverständlich gerne zur Verfügung.

**Instructions for crimping process:**

1. Choose all components for the production of the hose assembly based of our current catalogues. For the fixing on the side of the connection there are a series of fittings available; the hose fittings have to be selected in order to withstand against the expected mechanical load and the thermal and chemical stress.
2. Cut the selected hose perpendicularly on the desired length with a sharp blade which is destined for the hose. If the hose must be skived, regulate the peeler to the recommended length with a tolerance of +/-0,5mm. Skive as much rubber as possible, but consider not to damage the wire of the hose. Skive, if possible, from the back to the front in direction of the hose end/cutting edge. Please be careful not to peel in the opposite direction of the wire.
3. Put the ferrule completely over the hose end and push it as far as it will go on the hose. Then put the nipple into the hose end, lubricate a small quantity of oil on the end of the nipple and check, if necessary, if the groove of the nipple was correctly positioned. In case of larger nominal diameters or interlock fittings please use a suitable tool to hit the nipple.
4. To crimp the hose assembly please choose the dies set which is nearest to your crimping diameter. Use, for example, a dies set of 22 mm when the crimping diameter is 23 mm. Please take care of our recommended crimping diameter with a tolerance of +/-0.2 mm.
5. To control the crimping process, please check up the diameter of the crimped ferrule with a calliper gauge in three different positions, each with a range of 120°. Those three measurements effected in the middle of the ferrule must correspond to the crimping diameter with a tolerance of +/-0.2 mm. If you have not reached the recommended crimping diameter, please scale the calibration in steps of 0.1 mm until the correct diameter is reached. The correct inside diameter of the fitting must be measured in the middle of the fitting tail. Usually the inside diameter is between 0,1-0,5 mm. Please check the diameter measuring thorns.
6. It has to be avoided to crimp the hose two times on one side. This would reduce the life expectancy of the hose. You have to use only dies which are long enough to crimp the whole ferrule. It is not allowed to reuse the ferrule.
7. The marking of the hose must take durably place according of the respective hose standard. The unit of pressure must be indicated to avoid misunderstandings between bar and MPa.

Example: marking of the hose for the maximum pressure of 250 bar or, 25 MPa and the manufacturing date of November 2006

XXX / 250 bar / 06-11  
Manufacturer / working pressure / date  
XXX / 25 MPa / 06-11

**Notes:**

All manufacturing tolerances as well as other technical information for the manufacturing of hoses infer to the DIN20066.

Every mentioned information is valid for all LWM products that are used for the manufacturing of hoses.

Please notice that, if you use products of different suppliers you have to request a test of compatibility or you must check the compatibility yourself.

For any further questions please do not hesitate to contact us.

### Инструкция по опрессовке

1. Для производства готового изделия выберите все нужные компоненты из перечня наших продуктов. Все выбранные компоненты должны соответствовать условиям и нагрузкам, в которых они будут применяться.
2. Отмерьте и отрежьте нужную Вам длину режущим кругом для рукавов. Для зачистки рукава нужно использовать специальный прибор для зачистки, который должен быть настроен на нужную длину с допускаемой погрешностью +/-0,5 мм. Зачистку нужно всегда начинать с конца рукава, снимая как можно больше поверхности рукава, не повреждая при этом оплётки. Зачистку нужно осуществлять только по направлению оплётки.
3. Насадите муфту на рукав полностью, до конца. Вставьте ниппель в рукав, смазав его небольшим количеством масла со стороны рукава и проверьте, если нужно, правильно ли расположен фиксирующий паз этого ниппеля для муфты. При больших диаметрах или Interlock –арматурах используйте соответствующий инструмент (прибор для введения ниппеля).
4. Для опрессовки рукава выберите размер опрессовочных кулачков одним номером меньше опрессовочных данных. Например, при опрессовочных данных 23 мм используйте размер опрессовочных кулачков 22 мм. При опрессовке допускается погрешность от +/- 0,2 мм.
5. Чтобы проконтролировать точность опрессовки нужно промерить внешний диаметр уже опрессованной втулки в трёх разных местах. Результат не должен превышать допускаемую погрешность +0/-0,2 мм. В том случае, если с рекомендуемыми опрессовочными данными Вы не достигли нужного результата, увеличьте настройки станка на 0,1 мм. Также необходимо проверить нутромером или /и контрольными оправками не изменился ли внутренний диаметр ниппеля.
6. Опресовка, произведенная за несколько приемов, негативно отражается на долговечности рукава. В связи с этим, необходимо использование опрессовочных кулачков, имеющих длину, достаточную для опрессовки муфты за один прием. Последующее использование уже опрессованной муфты категорически запрещено.
7. Готовое опрессованное изделие должно быть всегда снабжено маркировкой, содержащей соответствующие нормативные данные о рабочем и разрывном давлении.

### Примечание:

Допустимые погрешности и необходимая техническая информация для производства готовых изделий содержится в Стандарте DIN 20066.

Обращаем Ваше внимание, что инструкция по опрессовке распространяется только на продукты фирмы LWM. При использовании фабрикатов других производителей обязательно должен быть проведен тест, подтверждающий совместимость компонентов или прилагаться документ, гарантирующий эту совместимость.

В случае необходимости, мы готовы компетентно ответить на Ваши вопросы.

## Beständigkeit der Vitillo Chrom VI-freien Armaturen im Salznebeltest

Über die Beständigkeit der Chrom VI-freien Armaturen im Salznebeltest wurde in der Vergangenheit viel diskutiert, hier nun einige Fakten über die Vitillo-Produkte.

Es steht fest, dass ab 01. Juli 2007 die Verwendung von gefährlichen Stoffen, unter anderem Chrom VI, definitiv verboten/untersagt und die EU-Richtlinien RoHS 2002/95/EG vollständig in Kraft treten wird. Ab diesem Zeitpunkt ist die heute weit verbreitete Gelbverzinkung mit Chrom VI für alle Maschinenteile, die dieser Norm unterliegen, nicht mehr zulässig. Sämtliche Produkte, die in direktem Kontakt mit Menschen kommen, unterstehen dieser Norm.

Die Firma **Vitillo S.r.l.** erfüllt schon heute die Kriterien dieser neuen Richtlinien. Unsere Produktion von Hydraulikteilen, Adaptern, Verschraubungen und Hydraulikarmaturen aus 11SMnPb37 werden streng nach der Norm EN 10277-3 gefertigt und sind frei von verbotenen Stoffen.

Zusätzlich bescheinigen wir Ihnen, dass unsere Weißverzinkung aus Fe/Zn 12 IV, mit mindestens 12µ Zink beschichtet wird; die Armaturen werden anschließend durch verschiedene Verfahren vergütet und versiegelt. Wir garantieren, dass unsere Armaturen die Mindestbeständigkeit von 96 Stunden gegen Weißrost nach EN – ISO 4520 übertreffen. Unsere Tests bescheinigen eine Beständigkeit im Salznebeltest bis zu 160 Stunden bei Trommelverzinkung und bis zu 260 Stunden bei Rahmenverzinkung.

Beigefügt sehen Sie einen unabhängigen Testbericht, in dem bescheinigt wird, dass unsere Armaturen 216 Stunden im Salznebeltest bestehen. Wie Sie feststellen können, ist dies ein weiterer Grund, unserem Know-how im Armaturenbereich zu vertrauen. Wir reden und diskutieren nicht nur darüber, sondern handeln und entwickeln weiter.

Wie immer steht unser Dreier-Bund **LWM-TEKNOHOSE-VITILLO** für Qualität und Sicherheit.

Testen Sie uns - wir werden Sie überzeugen.

**LWM HosAcc GmbH**  
Leonardo Morrone

## Stability of the Vitillo chrome VI-free fittings salt spray test

In the past it was much discussed the stability of chrome VI-free fittings in the salt spray test. Here are some facts about the Vitillo products.

Starting from the first July 2007 it is definitely not allowed to use dangerous materials like chrome VI-free and the EU-Guidelines RoHS 2002/95/EG will be completely valid. From this date on the most used yellow galvanization, including chrome VI for all machine parts which are standard, is not longer permissible. All products that could come in contact with human beings are subject to this standard. The company Vitillo S.r.l. fulfills these criteria of these new guidelines.

Our production of hydraulic parts, adapters, screw connections and hydraulic fittings of 11 SMnPb37 are strictly produced according to the norm EN 10277-3 and free from forbidden materials.

Additionally we certify you that our white galvanization of FE/Zn 12 IV is coated with at least 12µ zinc. Afterwards the fittings will be specified and sealed. We guarantee that our fittings exceed the minimum stability of 96 hours against white rust according to norm EN-ISO 4520. Our tests certify a resistance up to 160 hours against the salt spray test with drum galvanization and up to 260 hours with framing galvanization.

Enclosed you can find an independent test report that certifies that our fittings resist 216 hours against the salt spray test.

As you can notice, this is another reason for trusting in our know-how about the fittings. We do not only talk or discuss about it, we act and develop.

Our federation **LWM-TEKNOHOSE-VITILLO** stands, for quality and safety.

Test us – we will convince you.

**LWM HosAcc GmbH**  
Leonardo Morrone

### О качестве арматуры не содержащей Chrom 6!

О качестве арматуры не содержащей Chrom 6, протестированной в соленой среде было много дискуссий, поэтому мы хотели бы предоставить Вам некоторые факты о Vitillo продуктах.

С 01 июля 2007 года в Европе вступает в силу решение RoHS 2002/95/ EG, где указано, что использование опасных веществ, включая Chrom 6 запрещено. С этого момента широко распространенная желтая оцинковка (Chrom 6) запрещена.

Фирма Vitillo S.r.l уже сегодня выполняет критерии этой нормы/стандарта. Наше производство гидравлических компонентов: адаптеров, соединений и гидравлической арматуры из 11sMnPb37 строго соответствует норме EN 10277-3 и не содержат опасных веществ.

Дополнительно сообщаем Вам, что покрытие стали высококачественной белой оцинковкой (Fe/ Zn 12IV) состоит из минимум 12μ Zink. За счет разработанной нами новой технологии оцинковки, мы гарантируем коррозионную устойчивость против белой ржавчины минимум 96 часов в соответствии с EN-ISO 4520.

Результаты проведенных нами тестов показали устойчивость в соленой среде: 160 часов при барабанной оцинковке и 260 часов при рамной оцинковке.

Кроме того, Вы увидите независимый отчет по нижеуказанному тесту, в котором подтверждено, что наша арматура выдерживает 216 часов в соленой среде.

Мы не только говорим и дискутируем, а действуем и развиваем .

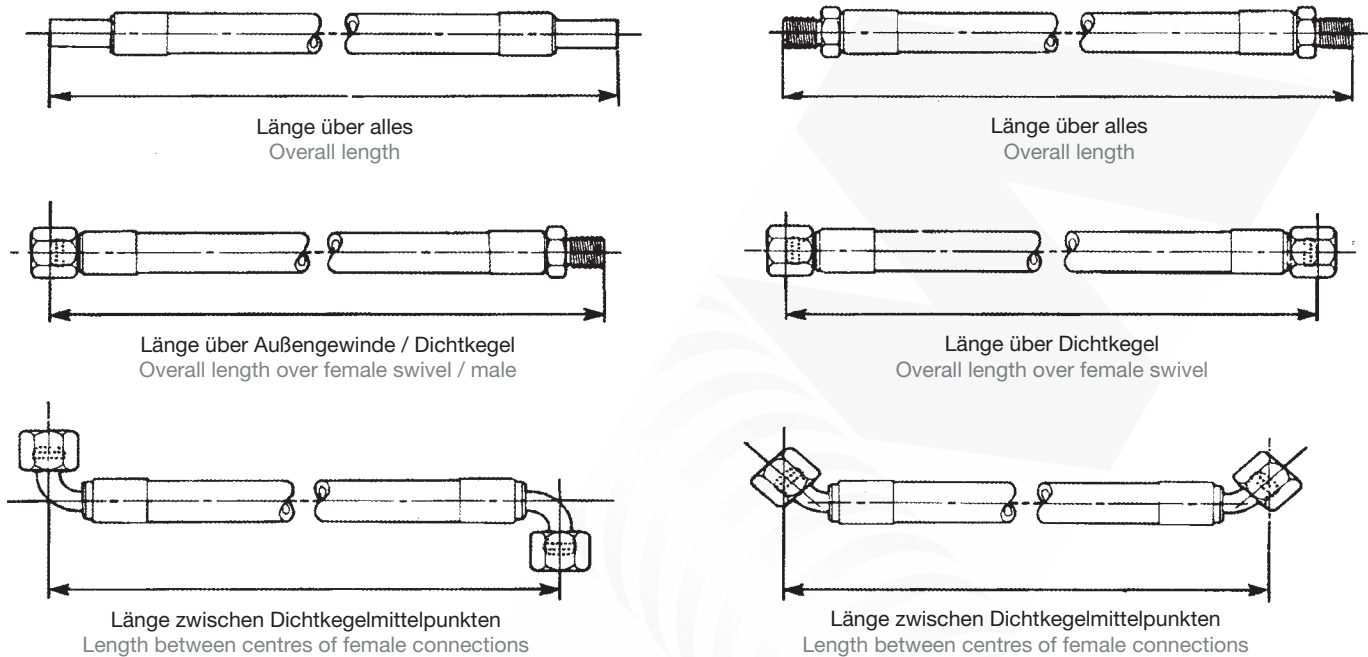
**LWM- Teknohose – Vitillo** предлагает Вам качество и надёжность.

Протестируйте нас и убедитесь сами!

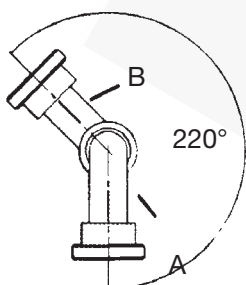
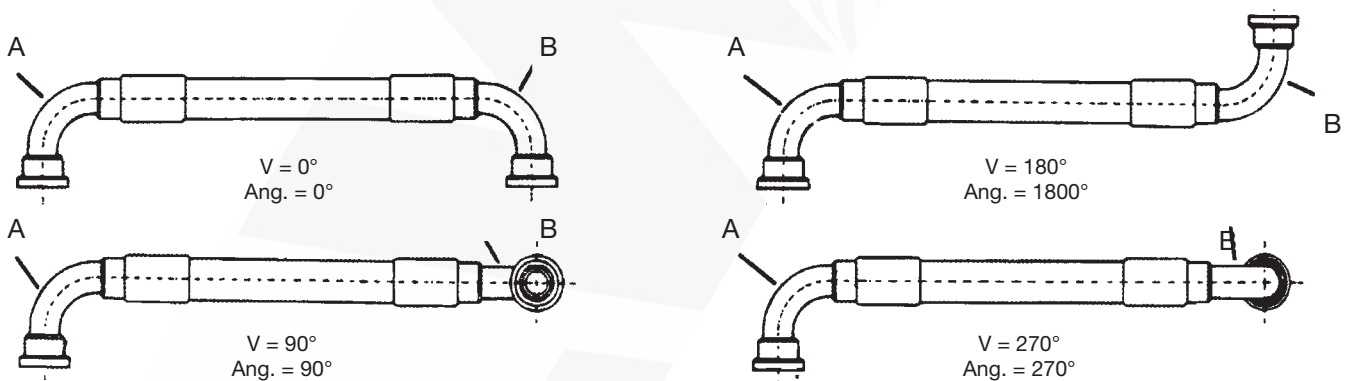
**LWM HosAcc GmbH**  
Легнардо Морроне

<b>ATOTECH</b>		<b>REPORT DI CORROSIONE IN NEBBIA SALINA</b>		Mod. 246-1B
		<b>CLIENTE: VITILLO</b>		Rev. 5 del 10/11/03
		RB 5% = ruggine bianca diffusa RR 5% = ruggine rossa diffusa		Pag. 2 di 2
Nds = niente da segnalare; Ibs = inizio focolai corrosione bianca; Irs = inizio focolai corrosione rossa;		<b>CONTROLLO STATO DI AGGRESSIVITA' CAMERA NEBBIA SALINA</b>		
Data ultimo controllo: 03.10.2005		Data prossimo controllo: 03.11.2005		
GRADO DI AGGRESSIVITA' (punti 1 - 9): 3 (conforme da 2 a 4)		<b>RISULTATI PROVA</b>		
Comparsa primi focolai di Ruggine Bianca ( tempo in ore ) : 192 PER I CAMPIONI A, 120 PER I CAMPIONI B.				
Comparsa primi focolai Ruggine Rossa (tempo in ore) : NON RICHIESTA.				
Durata totale prova ( ore ) : 216.				
Specifiche richieste:		<b>ERGENIS</b>		
I primi focolai di ruggine bianca compaiono dopo 192 per i campioni fatti a telaio, dopo 120 ore per i campioni fatti a rotobanile.		<b>CONCLUSIONI</b>		
		Firma Addetto Laboratorio		Firma Responsabile Laboratorio
		O. GARDIN		
Data				
11.10.2005				

**Messbeispiele für Schlauchleitungen**  
Measuring examples for hose connections



**Winkel-Versatz bei zwei Bogenarmaturen**  
Angle relationship for two elbow fittings



Die in der Beschreibung einer Leitung zuerst genannte Bogenarmatur (A) zeigt immer nach vorne / unten. Die zuletzt genannte Bogenarmatur (B) wird zu der ersten gegen den Uhrzeigersinn um  $x^\circ$  versetzt.

The first named elbow fitting (A) in the description always points up / down. The last named elbow fitting (B) is misaligned clockwise in relation to the first by  $x^\circ$ .

Toleranz:  $\pm 3^\circ$   
Tolerance  $\pm 3^\circ$

Beispiel: 4SP DN 20 x 1000 SFS  $90^\circ$  / SFS  $90^\circ$  -  $\leq 220^\circ$   
Example: 4SP DN 20 x 1000 SFS  $90^\circ$  / SFS  $90^\circ$  -  $\leq 220^\circ$

### Druckverlust in Schlauchleitungen / Hose pressure drop

Druckverlust in Millibar (mb) bei 1 m Schlauchlänge ohne Armaturen und Durchflussmengen von 1 bis 1000 l/min.  
 Pressure drop is expressed in millibar (mb) per 1 metre length of hose (smooth bore) without fittings and flow rate from 1 to 1000 l/min.

### Spezifikation des Mediums / Specification of mediums

spez. Gew. 0,85, kinematische Zähigkeit = 20 centistokes (cs), entsprechend MIL-H-5606 bei + 21° C (+70° F).  
 Fluid spec. specific gravity = 0,85, kinematic viscosity = 20 centistokes (cs), ref. MIL-H-5606 at + 21° C (+70° F).

Abmessungen in mm: fett gedruckt      Dimensions in mm: bold type  
 Zollabmessungen: mager gedruckt      Inch measures: light type

DN nach acc. DIN	5	6	8	10	12	16	20	25	32	40	50	60	80											
DN (real)	4,8	6,4	6,4	8,0	9,5	10,3	12,7	12,7	15,9	15,9	19,0	22,2	25,4	28,6	31,8	35,0	38,1	46,0	50,8	60,3	76,2			
Schlauchgröße Hose size	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48												
Durchflussmenge l/min Flow litres per minute	1	242	75,4	75,4																				
	2	466	146	146	66,1																			
	4	996	293	293	133	58,6																		
	8	2433	613	613	250	117	85																	
	10	3540	880	880	335	144	103	45,4	45,4															
	15		1776	1776	660	273	182	68,6	68,6	27,4	27,4													
	20		3080	3080	1129	462	308	116	116	41,4	41,4	18,1												
	30				2159	887	592	228	228	81,8	81,8	31,8	13,6											
	40				1496	1000	379	379	141	141	50,0	26,3	14,0											
	50					1414	555	555	192	192	75,0	41,1	21,5	12,1										
	60					1938	756	756	263	263	111	55,9	29,6	15,6	9,87									
	70						970	970	373	373	154	71,4	37,4	18,3	13,3	8,51								
	80						1250	1250	475	475	200	89,5	49,1	28,0	16,8	11,0	6,91							
	90						1531	1531	560	560	237	115	66,0	34,1	21,1	13,5	8,50	3,61						
	100								653	653	274	137	73,1	40,8	25,1	15,8	10,0	4,25	2,71					
	125								964	964	393	196	103	59,2	35,6	22,7	14,5	5,78	3,79					
	150										567	273	147	77,4	49,8	31,8	19,4	8,57	5,44					
	175										735	349	186	106	60,4	41,0	26,5	11,0	7,12	3,06				
	200										920	431	228	136	83,3	51,4	33,3	13,8	8,63	3,79				
	250											642	347	198	124	78,5	49,9	20,8	13,2	6,01				
300											864	475	272	162	105	68,2	27,4	17,3	7,77	2,52				
400												832	483	303	177	118	47,7	32,4	13,9	4,54				
500													1159	690	425	250	164	66,0	43,3	19,4	6,35			
600															562	339	222	88,6	57,4	25,8	8,49			
700															733	461	301	120	78,2	34,6	11,2			
800															924	584	383	151	98,4	43,4	13,8			
900															1144	706	468	182	118	53,2	16,2			
1000																841	553	219	140	67,5	19,6			

Toleranzen für Schlauchleitungen nach DIN 20066 bzw. DIN EN 854 / Length tolerance for hose assemblies according to DIN 20066 and DIN EN 854			
L1 (mm) / overall length	bis / up to DN 25	(ab / from) DN 32 (bis / to) DN 50	(ab / from) DN 50 (bis / to) DN 100
(bis / to) 630	+ 7 - 3	+ 12 - 4	
(über / from) 630 (bis / to) 1250	+ 12 - 4	+ 20 - 6	+ 25 - 6
(über / from) 1250 (bis / to) 2500	+ 20 - 6	+ 25 - 6	
(über / from) 2500 (bis / to) 8000		+ 1,5 % - 0,5 %	
(über / more than) 8000		+ 3 % - 1 %	
zulässige Verdrehwinkelabweichung permissible deviation of angle of torsion		± 5°	



## **Nennweite DN**

### **Nominal diameter DN**

Kenngröße für den Schlauch als kennzeichnendes Merkmal zueinandergehörender Teile (z. B. Schlauch, Schlauchfassung usw.). Als Nennweite bezeichnet man den Durchmesser eines Rohres / einer Schlauchleitung oder die Größe / das Anschlussmaß einer Armatur. Zusammen mit der Nenndruckstufe werden durch die Angabe der Nennweite sämtliche Abmessungen einer Rohrleitung / Schlauchleitung festgelegt.

Die Angabe der Nennweite erfolgt nach DIN EN ISO 6708 durch die Bezeichnung DN (engl. nominal diameter) gefolgt von einer, ungefähr dem Innendurchmesser in Millimeter entsprechenden, dimensionslosen Zahl.

Beispiel: Ein Rohr / eine Schlauchleitung mit einer Nennweite von DN 50 entspricht nach DIN 2440 einem Rohr / einer Schlauchleitung mit dem Außendurchmesser von 60,3 mm und einer Wandstärke von 3,65 mm (Innendurchmesser somit 53 mm).

Nach ANSI (American National Standards Institute) wird die Nennweite in „NPS“ (engl. nominal pipe size) und Rohr / Schlauchleitung in Zoll angegeben.

Ein Rohr / eine Schlauchleitung von NPS 2“ entspricht in etwa der Nennweite DN 50.

The nominal diameter is a parameter for the hose as an identifying characteristic of component parts belonging together (e.g. hoses, fittings etc.).

The nominal diameter is the diameter of a pipe / a hose assembly or a size / connection dimension of a fitting. Together with the nominal pressure level all dimensions of a pipe / hose assembly are specified by the indication of the nominal diameter. The nominal diameter is expressed as DN (nominal diameter) according to DIN EN ISO 6708 and is followed by a dimensionless number, corresponding approximately to the inside diameter in millimeters.

For example: a pipe/a hose assembly with a nominal diameter of DN 50 corresponds, according to DIN 2440, to a pipe/a hose assembly with the outside diameter of 60.3 mm and a wall thickness of 3.65 mm (the inside diameter is thus 53 mm).

According to the American National Standards Institute (ANSI) the nominal diameter is expressed as „NPS “ (nominal pipe size) and the pipe / the hose assembly in inch.

A pipe / a hose assembly of NPS 2“ corresponds approximately to a nominal diameter of DN 50.

## **Nenndruck PN**

### **Nominal pressure PN**

Der Nenndruck PN (engl. nominal pressure) ist eine auf den Druck bezogen dimensionslose gerundete Kennzahl (siehe DIN 2401) zur Kennzeichnung von Schlauch- und Rohrleitungsbauteilen.

Durch die Angabe der Kombination von Nenndruckstufe PN und Nennweite DN ist die Austauschbarkeit von Rohrleitungsbauteilen/Schlauchleitungsbauteilen gewährleistet.

The nominal pressure (PN) is a dimensionless, rounded characteristic number for pressure (see DIN 2401) and characterizes component parts of pipes and hose assemblies.

The combination of nominal pressure PN and nominal diameter DN guarantees the interchangeability of the component parts of pipes and hose assemblies.

## **Berstdruck BP**

### **Bursting pressure BP**

Der Berstdruck (engl. bursting pressure) ist ein statischer Druck, bei dem ein Schlauch oder eine Armatur zerstört wird und ein Druckmedium austritt (siehe DIN 24 312).

Der Berstdruck stellt ein Qualitätsmerkmal für Rohre und Schläuche dar. Mit Erreichen des Berstdruckes platzen Rohre und Schläuche auf. Der Berstdruck wird in bar angegeben und ist um das 4-Fache höher als der Nenndruck PN. Somit ergibt sich ein Sicherheitsfaktor im Verhältnis 1:4. Beträgt also der Nenndruck beispielsweise 250 bar, so ergibt sich ein Berstdruck von 1000 bar.

The bursting pressure is a static pressure with which a hose or a fitting is destroyed and fluid media escapes (see DIN 24 312). The bursting pressure represents a quality characteristic for pipes and hoses. When the bursting pressure has been reached, pipes and hoses burst. The bursting pressure is indicated in bar and is four times higher than the nominal pressure PN. Thus the safety factor is in a ratio 1:4.

For example, if the nominal pressure PN amounts to 250 bar, the bursting pressure will amount to 1000 bar.

**Nomogramm zur bestimmung der Schlauch-Nennwerte**

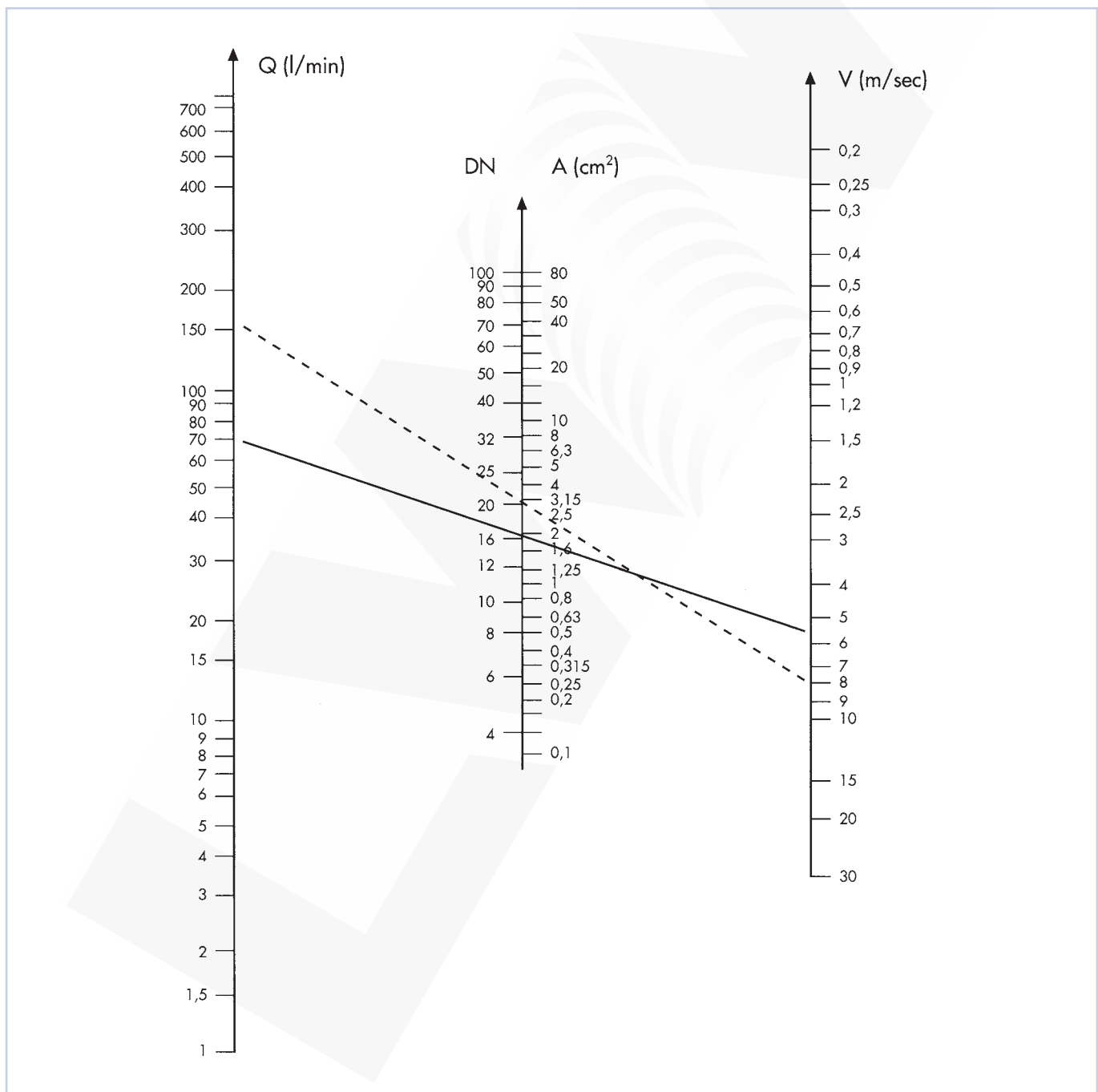
Das Nomogramm ist ein Hilfsmittel zur Bestimmung der erforderlichen Nennweite einer Schlauchleitung.

Beispiel: Man wählt eine Geschwindigkeit  $V= 8\text{m/s}$  und eine Durchflussmenge  $Q= 150\text{l/min}$ . Die geradlinige Verbindung dieser beiden Werte auf den äußeren Skalen ergibt auf der mittleren Skala die Schlauch-Nennweite DN 20

**Nomogram for determination of nominal hose diameter**

This Nomogramm provides a guide for the determination of the nominal diameter (DN) required for hose.

Example: A velocity of  $V= 8\text{m/s}$  rate  $Q= 150\text{l/min}$ . have been selected The straight line linking these two values intersects the nominal hose diameter DN 20 on the middle scale



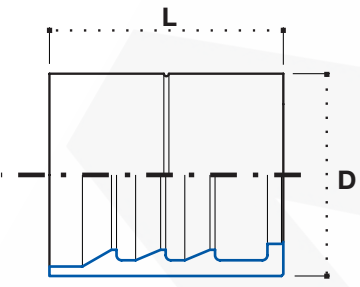


Schälen / Skive / Зачистка

**Presshülse R1A / 1 ST - 1 SN**

Ferrule R1A / 1 ST - 1 SN

Муфта R1A / 1ST - 1SN



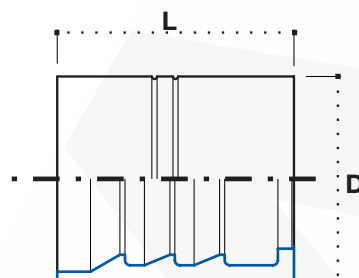
Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B1R03	5	3/16"	03	18	15.2	-	-	17	26.4	0,60
B1R04	6	1/4"	04	20	17.2	-	-	20	29.5	0,43
B1R05	8	5/16"	05	20.5	18.8	-	-	22	29.6	0,51
B1R06	10	3/8"	06	21	21.0	-	-	24	32	0,57
B1R08	12	1/2"	08	24	25.4	-	-	29	34.3	0,86
B1R10	16	5/8"	10	26	28.2	-	-	32	37.2	1,08
B1R12	20	3/4"	12	31.5	32.2	-	-	36	43.2	1,65
B1R16	25	1"	16	34.5	39.8	-	-	43	50.6	2,45
B1R20	32	1.1/4"	20	41	46.6	-	-	52	56.7	5,10
B1R24	40	1.1/2"	24	43.5	53.0	-	-	57	63	7,67
B1R32	50	2"	32	58	66.2	-	-	70	78	13,54

Schälen / Skive / Зачистка

Presshülse R2A / 2 ST - 2 SN

Ferrule R2A / 2 ST - 2 SN

Муфта R2A / 2 ST - 2 SN



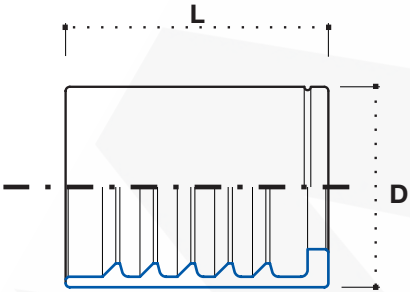
Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B2R03	5	3/16"	03	18.5	17.6	-	-	20	27.1	0,71
B2R04	6	1/4"	04	20	17.8	-	-	21	30.4	0,54
B2R05	8	5/16"	05	21	20.3	-	-	24	30.3	0,57
B2R06	10	3/8"	06	23	23.0	-	-	26	32.4	0,68
B2R08	12	1/2"	08	24	25.7	-	-	30	34	0,91
B2R10	16	5/8"	10	26	29.9	-	-	34	37.5	1,34
B2R12	20	3/4"	12	32	33.5	-	-	38	43.2	1,80
B2R16	25	1"	16	35.5	41.2	-	-	46	50	3,16
B2R20	32	1.1/4"	20	43	50.8	-	-	56	59	6,10
B2R24	40	1.1/2"	24	44.5	57.2	-	-	62	63	9,01
B2R32	50	2"	32	60	69.5	-	-	75	78.9	13,82

Ohne schälen / No skive / Без зачистки

Presshülse R1T / 1 SN

Ferrule R1T / 1 SN

Муфта R1T / 1 SN



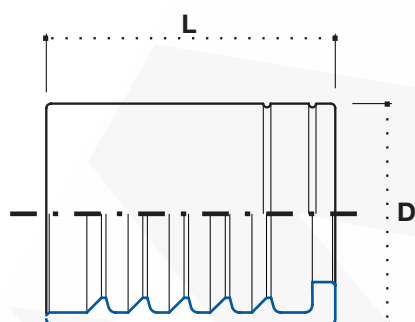
Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B1T03	5	3/16"	03	-	15.4	-	-	19	26	0,60
B1T04	6	1/4"	04	-	16.4	-	-	20	30.5	0,45
B1T05	8	5/16"	05	-	18.2	-	-	22	30.5	0,49
B1T06	10	3/8"	06	-	20.1	-	-	24	31.5	0,60
B1T08	12	1/2"	08	-	24.2	-	-	29	34	0,81
B1T10	16	5/8"	10	-	26.4	-	-	32	37	1,25
B1T12	20	3/4"	12	-	30.8	-	-	42.5	36	1,47
B1T16	25	1"	16	-	38.9	-	-	43	50.5	2,91
B1T20	32	1.1/4"	20	-	48.3	-	-	53	59	4,11
B1T24	40	1.1/2"	24	-	54.2	-	-	60	63	9,41

Ohne schälen / No skive / Без зачистки

Presshülse R2T / 2 SN

Ferrule R2T / 2 SN

Муфта R2T / 2 SN



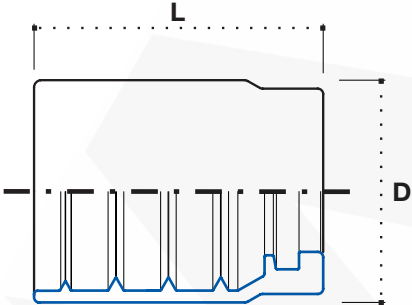
Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B2T03	5	3/16"	03	-	-	-	-	20	26	*
B2T04	6	1/4"	04	-	18.05	-	-	22	30.5	0,47
B2T05	8	5/16"	05	-	20.2	-	-	24	30.5	0,56
B2T06	10	3/8"	06	-	21.4	-	-	25.5	31.5	0,62
B2T08	12	1/2"	08	-	25.6	-	-	30	34	0,86
B2T10	16	5/8"	10	-	28.5	-	-	34	37	1,37
B2T12	20	3/4"	12	-	32.0	-	-	38	42.5	1,64
B2T16	25	1"	16	-	41.0	-	-	46	50	3,16
B2T20	32	1.1/4"	20	-	50.0	-	-	56	59	6,41
B2T24	40	1.1/2"	24	-	57.5	-	-	64	63	9,86

Ohne schälen / No skive / Без зачистки

**Presshülse R12TN / 1SN-2SN-2SC**

Ferrule R12TN / 1SN-2SN-2SC

Муфта R12TN / 1SN-2SN-2SC



Artikel Code	Schlauch / Hose			Pressmaß / Crimping Diameters			Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size	1 SN	2 SC	2 SN	-	-	D	L	
B12T03N	5	3/16"	03	16,0	16,3	16,7	-	-	21	23	0,77
B12T04N	6	1/4"	04	18,0	18,2	19,0	-	-	23	30	0,46
B12T05N	8	5/16"	05	18,6	19,0	19,6	-	-	24	30	0,50
B12T06N	10	3/8"	06	20,5	20,9	21,3	-	-	26	32	0,60
B12T08N	12	1/2"	08	23,4	23,5	24,4	-	-	29	34	0,68
B12T10N	16	5/8"	10	27,0	27,4	28,2	-	-	33	37	1,08
B12T12N	20	3/4"	12	30,8	31,1	32,0	-	-	37	42	1,34
B12T16N	25	1"	16	39,1	39,1	40,3	-	-	46	51	3,73
B12T20N	32	1.1/4"	20	48,5	-	51,0	-	-	59	59	6,13
B12T24N	40	1.1/2"	24	57,0	-	59,8	-	-	67	67	10,97
B12T32N	50	2"	32	69,4	-	72,4	-	-	80	72	17,50

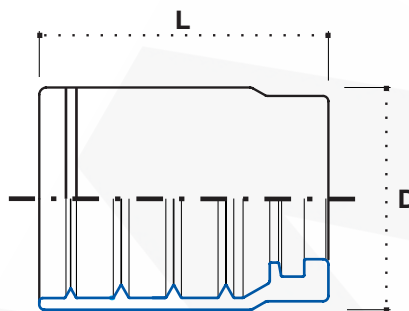


Ohne schälen / No skive / Без зачистки

Presshülse 1SC - 1SN - 2SC

Ferrule 1SC - 1SN - 2SC

Муфта 1SC - 1SN - 2SC



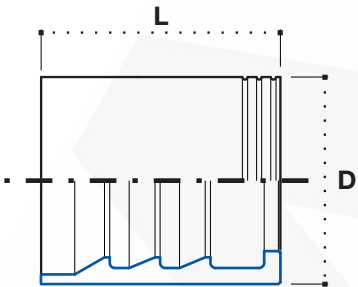
Artikel Code	Schlauch / Hose			Pressmaß / Crimping Diameters			Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size	1 SC	1 SN	2 SC	-	-	D	L	
B1SC04	6	1/4"	04	15.3	16.0	16.2	-	-	20	30	0,50
B1SC05	8	5/16"	05	16.8	17.8	18.0	-	-	22	30	0,53
B1SC06	10	3/8"	06	18.5	20.0	20.0	-	-	24	32	0,60
B1SC08	12	1/2"	08	22.5	23.6	23.8	-	-	28	34	0,78
B1SC10	16	5/8"	10	-	-	-	-	-	32	37	1,15
B1SC12	20	3/4"	12	-	-	-	-	-	35	42	1,40
B1SC16	25	1"	16	36.9	-	-	-	-	43	51	3,40

Schälen / Skive / Зачистка

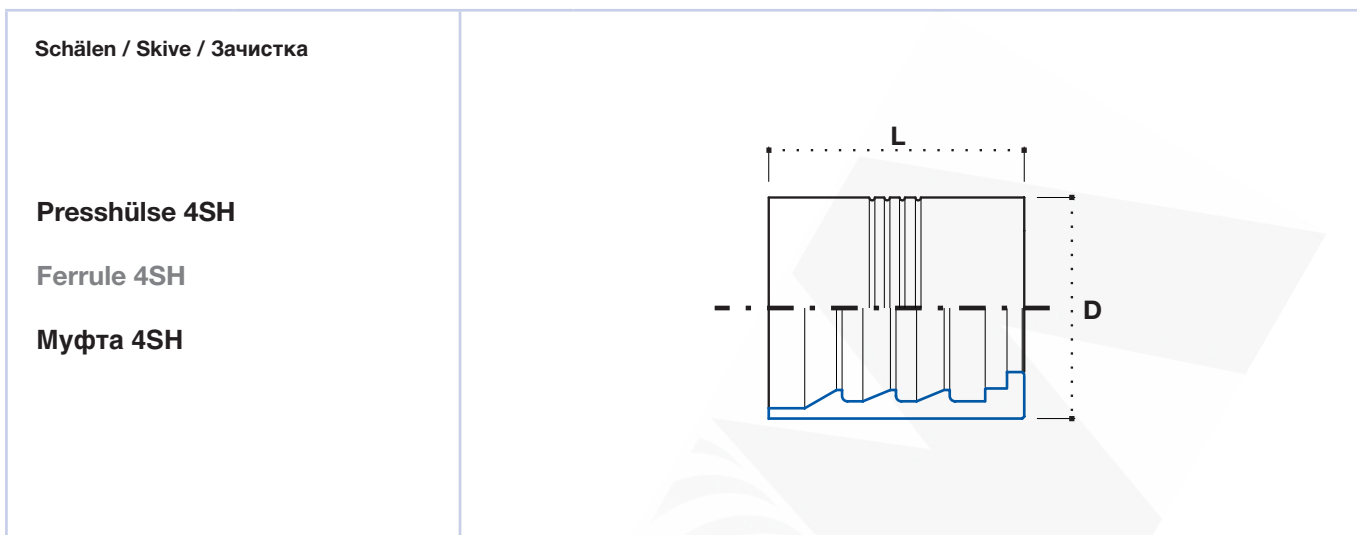
**Presshülse R9R / 4 SP**

Ferrule R9R / 4 SP

Муфта R9R / 4SP



Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B9R04	6	1/4"	04	22	18.7	-	-	21	30.5	0,53
B9R06	10	3/8"	06	25.5	23.2	-	-	26	32	0,63
B9R08	12	1/2"	08	29	26.3	-	-	30	34	0,83
B9R10	16	5/8"	10	31	30.2	-	-	34	40	1,65
B9R12	20	3/4"	12	35	34.6	-	-	38	51.5	2,05
B9R16	25	1"	16	48	42.2	-	-	46	60	2,99
B9R20	32	1.1/4"	20	54	51.2	-	-	56	66	6,50
B9R24	40	1.1/2"	24	62	59.6	-	-	65	76.5	10,33
B9R32	50	2"	32	64	74.6	-	-	80	80	17,22



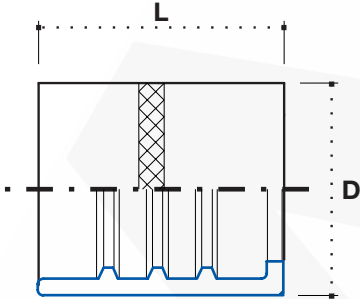
Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B9R10	16	5/8"	10	31	30.2	-	-	34	40	1,65
B9R12	20	3/4"	12	35	34.6	-	-	38	51.5	2,05
B9R16	25	1"	16	48	42.2	-	-	46	60	2,99
B4SH20	32	1.1/4"	20	54	48.2	-	-	56	66	7,04
B4SH24	40	1.1/2"	24	62	57.9	-	-	65	76.5	10,50
B4SH32	50	2"	32	64	70.5	-	-	80	80	17,71

Ohne schälen / No skive / Без зачистки

Presshülse R7 / R8 / Thermoflex

Ferrule R7 / R8 / Thermoflex

Муфта R7 / R8 / Thermoflex



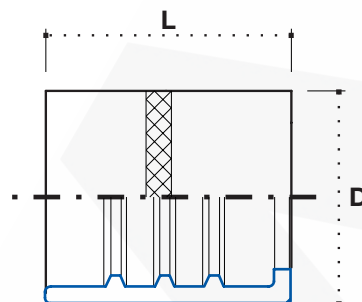
Artikel Code	Schlauch / Hose			Pressmaß Crimping Diameters MT-MTH1	Pressmaß Crimping Diameters R7-R8	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
B7R03	5	3/16"	03	11.3	11.2	-	-	14	30	0,52
B7R04	6	1/4"	04	14.2	14.1	-	-	17	30.2	0,43
B7R05	8	5/16"	05	16.0	16.2	-	-	19	29.8	0,55
B7R06	10	3/8"	06	18.2	18.2	-	-	21	30.4	0,61
B7R08	12	1/2"	08	22.3	22.2	-	-	25.5	34.2	0,84
B7R10	16	5/8"	10	25.7	25.8	-	-	28.5	36.3	1,58
B7R12	20	3/4"	12	27.8	29.0	-	-	32.1	42.4	2,14
B7R16	25	1"	16	36.7	36.8	-	-	40	50.2	3,79

Ohne schälen / No skive / Без зачистки

Presshülse PTFE (glatt)

Ferrule PTFE (even)

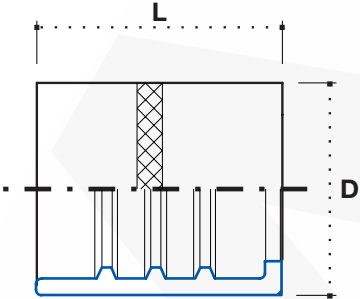
Муфта PTFE (гладкий)



Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
PTFE-GL05	5	3/16"	03	-	-	-	-	-	-	0,93
PTFE-GL06	6	1/4"	04	-	13.0	-	-	-	-	0,95
PTFE-GL08	8	5/16"	05	-	14.8	-	-	-	-	1,16
PTFE-GL10	10	3/8"	06	-	16.0	-	-	-	-	1,18
PTFE-GL12	12	1/2"	08	-	21.0	-	-	-	-	1,20
PTFE-GL16	16	5/8"	10	-	22.3	-	-	-	-	1,65
PTFE-GL20	20	3/4"	12	-	28.0	-	-	-	-	1,85
PTFE-GL25	25	1"	16	-	35.0	-	-	-	-	2,85

Ohne schälen / No skive / Без зачистки

Presshülse PTFE (gewellt)  
Ferrule PTFE (convoluted)  
Муфта PTFE (гофрированный)

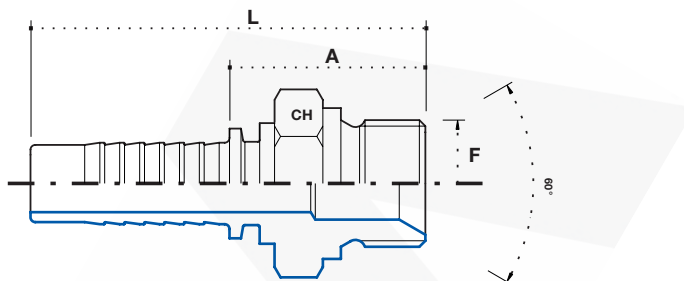


Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß Crimping Diameters	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	-	D	L	
PTFE-GW06	6	1/4"	04	-	13.5	-	-	-	-	0,93
PTFE-GW10	10	3/8"	06	-	16.0	-	-	-	-	1,67
PTFE-GW12	12	1/2"	08	-	19.7	-	-	-	-	1,80
PTFE-GW16	16	5/8"	10	-	22.7	-	-	-	-	3,05
PTFE-GW20	20	3/4"	12	-	26.5	-	-	-	-	3,20
PTFE-GW25	25	1"	16	-	33.7	-	-	-	-	6,20
PTFE-GW32	32	1.1/4"	20	-	44.9	-	-	-	-	7,00
PTFE-GW40	40	1.1/2"	24	-	50.2	-	-	-	-	8,90
PTFE-GW50	50	2"	32	-	-	-	-	-	-	13,00

**AGR 60° Innenkonus  
(BSP-Gewinde)**

BSP male parallel 60°

AGR ниппель, внутренний конус 60°, BSP резьба

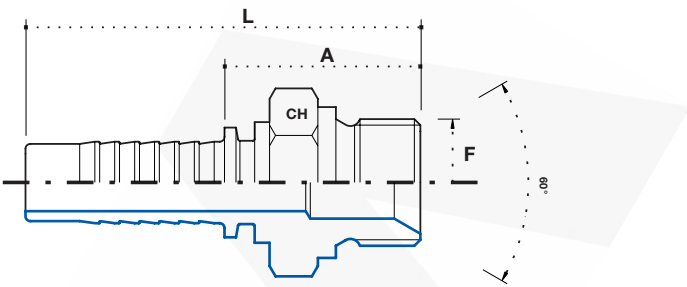


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
MG0302	5	3/16"	03	1/8" - 28	-	-	15	21	45	1,40
MG0304	5	3/16"	03	1/4" - 19	-	-	19	26	51	1,88
MG0402	6	1/4"	04	1/8" - 28	-	-	15	21	49	1,23
MG0404	6	1/4"	04	1/4" - 19	-	-	19	27	55	0,91
MG0406	6	1/4"	04	3/8" - 19	-	-	22	29	57	1,28
MG0408	6	1/4"	04	1/2" - 14	-	-	27	32	60	2,11
MG0504	8	5/16"	05	1/4" - 19	-	-	19	27	55	1,43
MG0506	8	5/16"	05	3/8" - 19	-	-	22	29	57	1,17
MG0508	8	5/16"	05	1/2" - 14	-	-	27	32	60	2,14
MG0604	10	3/8"	06	1/4" - 19	-	-	19	27	57	1,43
MG0606	10	3/8"	06	3/8" - 19	-	-	22	29	59	1,06
MG0608	10	3/8"	06	1/2" - 14	-	-	27	32	62	1,48
MG0806	12	1/2"	08	3/8" - 19	-	-	19	29	62	1,65
MG0808	12	1/2"	08	1/2" - 14	-	-	27	33	66	1,48
MG0810	12	1/2"	08	5/8" - 14	-	-	28	35	68	2,45
MG0812	12	1/2"	08	3/4" - 14	-	-	32	36	69	3,00
MG1008	16	5/8"	10	1/2" - 14	-	-	27	33	69	3,14
MG1010	16	5/8"	10	5/8" - 14	-	-	28	35	71	2,40
MG1012	16	5/8"	10	3/4" - 14	-	-	32	36	72	2,74
MG1208	20	3/4"	12	1/2" - 14	-	-	27	34	75	5,64
MG1210	20	3/4"	12	5/8" - 14	-	-	28	36	77	6,10
MG1212	20	3/4"	12	3/4" - 14	-	-	32	37	78	2,51
MG1216	20	3/4"	12	1" - 11	-	-	38	40	80	5,96

**AGR 60° Innenkonus  
(BSP-Gewinde)**

BSP male parallel 60°

AGR ниппель, внутренний конус 60°, BSP резьба



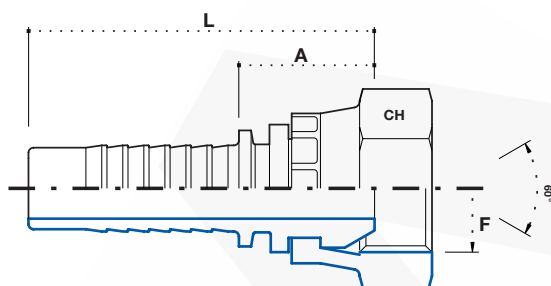
Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
MG1612	25	1"	16	3/4" - 14	-	-	32	38	93	11,97
MG1616	25	1"	16	1" - 11	-	-	38	40	95	4,79
MG1620	25	1"	16	1.1/4" - 11	-	-	50	45	100	13,31
MG2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	46	106	9,10
MG2024	32	1.1/4"	20	1.1/2" - 11	-	-	55	46	107	17,71
MG2424	40	1.1/2"	24	1.1/2" - 11	-	-	55	46	117	11,83
MG2432	40	1.1/2"	24	2" - 11	-	-	70	53	124	35,24
MG3232	50	2"	32	2" - 11	-	-	70	54	134	24,26



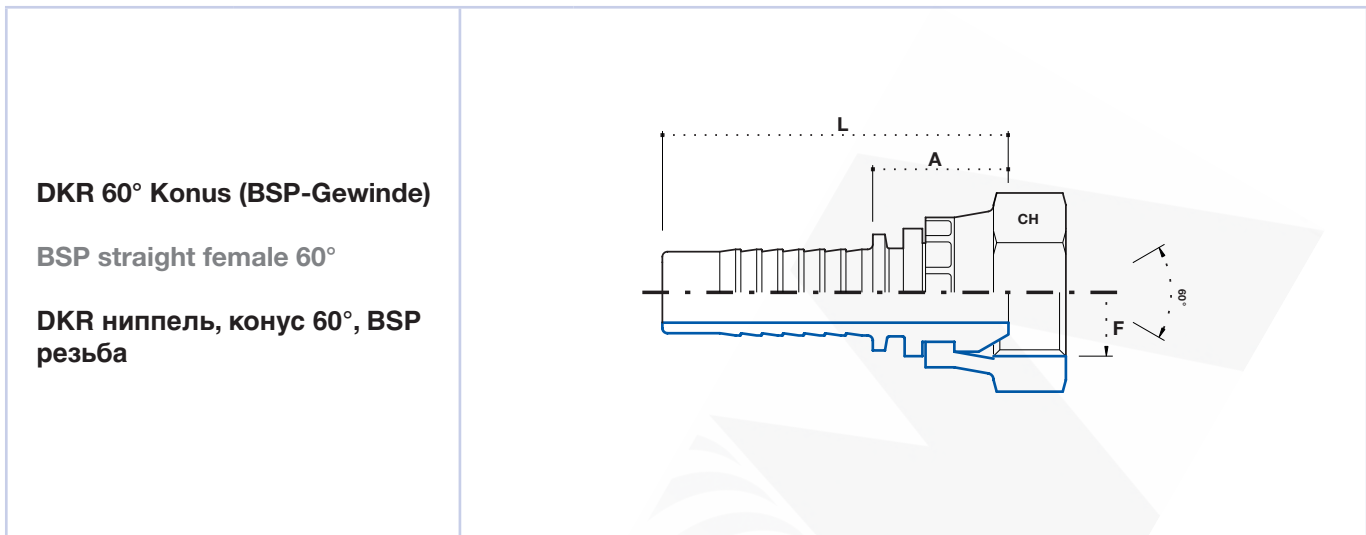
**DKR 60° Konus (BSP-Gewinde)**

BSP straight female 60°

DKR ниппель, конус 60°, BSP  
резьба



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
FDG0302	5	3/16"	03	1/8"-28	-	-	15	18	43	1,03
FDG0304	5	3/16"	03	1/4"-19	-	-	19	18	43	1,03
FDG0402	6	1/4"	04	1/8"-28	-	-	15	18	46	0,97
FDG0404	6	1/4"	04	1/4"-19	-	-	19	18	46	0,69
FDG0406	6	1/4"	04	3/8"-19	-	-	22	19	47	0,97
FDG0408	6	1/4"	04	1/2"-14	-	-	27	21	49	2,51
FDG0504	8	5/16"	05	1/4"-19	-	-	19	18	46	1,26
FDG0506	8	5/16"	05	3/8"-19	-	-	22	19	47	0,94
FDG0508	8	5/16"	05	1/2"-14	-	-	27	21	49	1,48
FDG0604	10	3/8"	06	1/4"-19	-	-	19	19	49	1,43
FDG0606	10	3/8"	06	3/8"-19	-	-	22	20	50	0,86
FDG0608	10	3/8"	06	1/2"-14	-	-	27	21	51	1,20
FDG0806	12	1/2"	08	3/8"-19	-	-	19	20	53	1,74
FDG0808	12	1/2"	08	1/2"-14	-	-	27	22	55	1,20
FDG0810	12	1/2"	08	5/8"-14	-	-	28	22	55	1,97
FDG0812	12	1/2"	08	3/4"-14	-	-	32	24	57	2,51
FDG1008	16	5/8"	10	1/2"-14	-	-	27	22	58	2,82
FDG1010	16	5/8"	10	5/8"-14	-	-	28	23	59	2,05
FDG1012	16	5/8"	10	3/4"-14	-	-	32	24	60	2,37
FDG1208	20	3/4"	12	1/2"-14	-	-	-	-	-	9,41
FDG1210	20	3/4"	12	5/8"-14	-	-	28	24	66	11,74
FDG1212	20	3/4"	12	3/4"-14	-	-	32	25	66	2,14
FDG1216	20	3/4"	12	1"-11	-	-	38	26	67	4,08

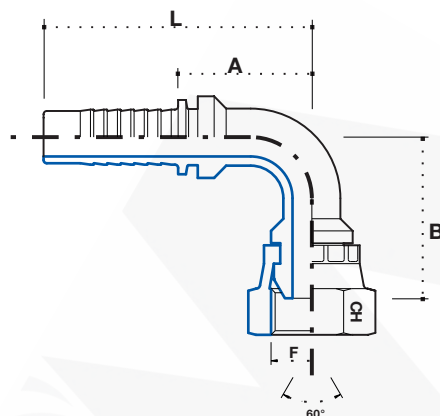


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
FDG1612	25	1"	16	3/4" - 14	-	-	-	-	-	12,20
FDG1616	25	1"	16	1" - 11	-	-	38	27	82	3,62
FDG1620	25	1"	16	1.1/4" - 11	-	-	50	30	85	8,81
FDG2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	30	91	7,41
FDG2024	32	1.1/4"	20	1.1/4" - 11	-	-	55	32	93	15,66
FDG2424	40	1.1/2"	24	1.1/2" - 11	-	-	55	32	103	10,98

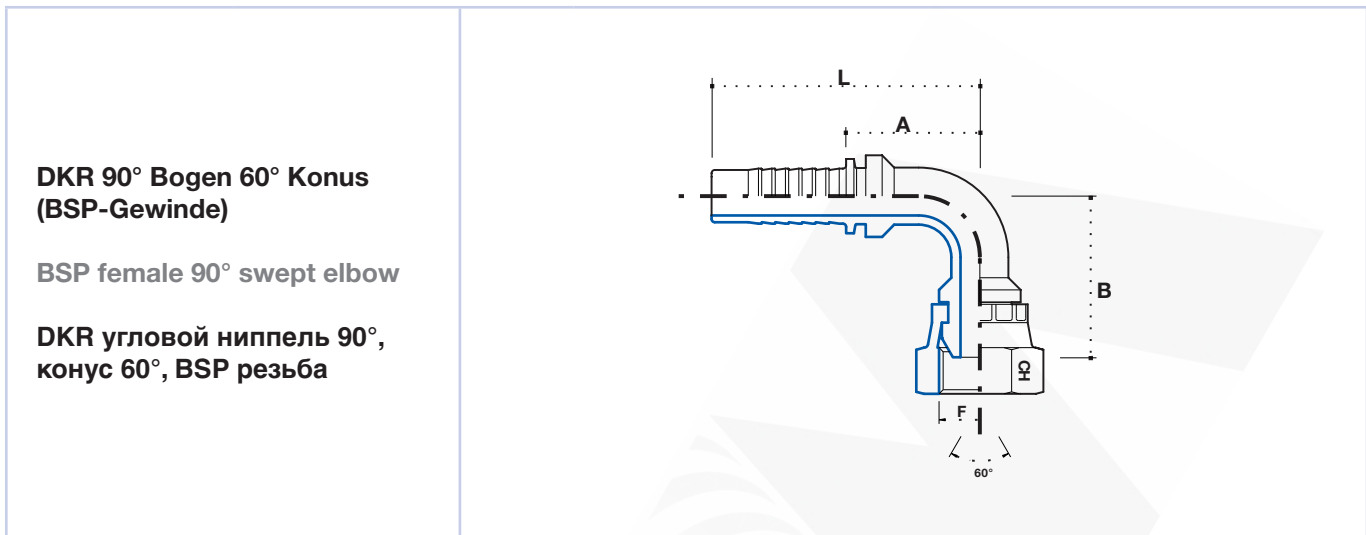
**DKR 90° Bogen 60° Konus  
(BSP-Gewinde)**

BSP female 90° swept elbow

DKR угловой ниппель 90°,  
конус 60°, BSP резьба



Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F90G0302	5	3/16"	03	1/8" - 28	-	15	29	23	47.5	2,20
F90G0304	5	3/16"	03	1/4" - 19	-	19	29	23	47.5	2,51
F90G0402	6	1/4"	04	1/8" - 28	-	15	29	23	51	2,34
F90G0404	6	1/4"	04	1/4" - 19	-	19	29	23	51	1,34
F90G0406	6	1/4"	04	3/8" - 19	-	22	32	23	51	1,85
F90G0408	6	1/4"	04	1/2" - 14	-	-	-	-	-	4,30
F90G0504	8	5/16"	05	1/4" - 19	-	19	33.5	31.5	59.5	2,37
F90G0506	8	5/16"	05	3/8" - 19	-	22	35.5	31.5	59.5	1,81
F90G0508	8	5/16"	05	1/2" - 14	-	27	39	31.5	59.5	4,30
F90G0604	10	3/8"	06	1/4" - 19	-	19	37	33	63	3,68
F90G0606	10	3/8"	06	3/8" - 19	-	22	38	33	63	1,65
F90G0608	10	3/8"	06	1/2" - 14	-	27	42	33	63	2,34
F90G0806	12	1/2"	08	3/8" - 19	-	22	43	39	72	4,08
F90G0808	12	1/2"	08	1/2" - 14	-	27	45	39	72	2,37
F90G0810	12	1/2"	08	5/8" - 14	-	28	45	39	72	3,53
F90G0812	12	1/2"	08	3/4" - 14	-	32	51	39	72	5,02
F90G1008	16	5/8"	10	1/2" - 14	-	27	54	49	85	5,25
F90G1010	16	5/8"	10	5/8" - 14	-	28	54	49	85	3,59
F90G1012	16	5/8"	10	3/4" - 14	-	32	56	49	85	4,31
F90G1208	20	3/4"	12	1/2" - 14	-	-	-	-	-	24,57
F90G1210	20	3/4"	12	5/8" - 14	-	-	-	-	-	24,60
F90G1212	20	3/4"	12	3/4" - 14	-	32	59	53.5	94.5	4,31
F90G1216	20	3/4"	12	1" - 11	-	38	65	53.5	94.5	8,47

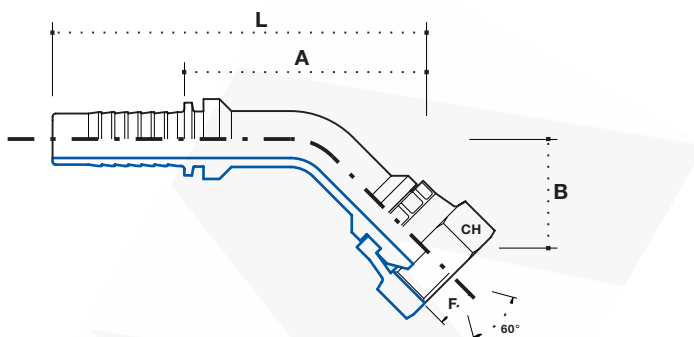


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	CH	B	A	L	
F90G1612	25	1"	16	3/4" - 14	-	-	-	-	-	30,50
F90G1616	25	1"	16	1" - 11	-	38	72	73	128	7,68
F90G1620	25	1"	16	1.1/4" - 11	-	50	80	73	128	16,13
F90G2020	32	1.1/4"	20	1.1/4" - 11	-	50	93	89	150	14,57
F90G2024	32	1.1/4"	20	1.1/2" - 11	-	55	98.5	89	150	27,86
F90G2424	40	1.1/2"	24	1.1/2" - 11	-	55	114	101	172	25,38

**DKR 45° Bogen - Aufschraub-  
konus 60° (BSP-Gewinde)**

BSP female 45° swept elbow

DKR угловой ниппель 45°,  
конус 60°, BSP резьба

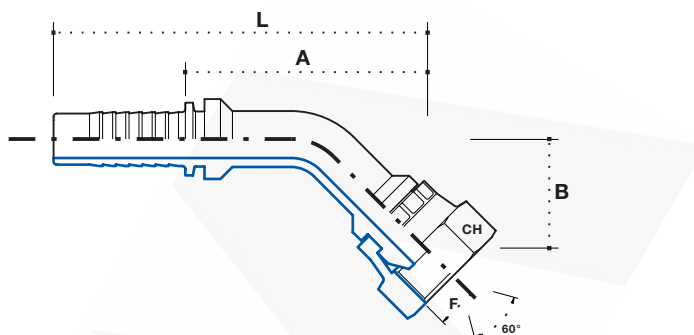


Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F45G0302	5	3/16"	03	1/8" - 28	-	15	17	40	65	2,20
F45G0304	5	3/16"	03	1/4" - 19	-	19	17	40	65	2,51
F45G0402	6	1/4"	04	1/8" - 28	-	15	17	40	68	2,37
F45G0404	6	1/4"	04	1/4" - 19	-	19	17	40	68	1,34
F45G0406	6	1/4"	04	3/8" - 19	-	22	20	43	71	1,80
F45G0408	6	1/4"	04	1/2" - 14	-	-	-	-	-	4,31
F45G0504	8	5/16"	05	1/4" - 19	-	19	20	51	79	2,38
F45G0506	8	5/16"	05	3/8" - 19	-	22	21	52	80	1,80
F45G0508	8	5/16"	05	1/2" - 14	-	27	24	55	83	4,31
F45G0604	10	3/8"	06	1/4" - 19	-	19	19	54	84	3,69
F45G0606	10	3/8"	06	3/8" - 19	-	22	20	55	85	1,65
F45G0608	10	3/8"	06	1/2" - 14	-	27	23	58	88	2,37
F45G0806	12	1/2"	08	3/8" - 19	-	22	20	63	96	4,08
F45G0808	12	1/2"	08	1/2" - 14	-	27	23	65	98	2,37
F45G0810	12	1/2"	08	5/8" - 14	-	28	23	65	98	3,55
F45G0812	12	1/2"	08	3/4" - 14	-	32	21	66	99	5,02
F45G1008	16	5/8"	10	1/2" - 14	-	27	25	63	99	5,25
F45G1010	16	5/8"	10	5/8" - 14	-	28	25	64	99	3,59
F45G1012	16	5/8"	10	3/4" - 14	-	32	26	64	100	4,31
F45G1208	20	3/4"	12	1/2" - 14	-	27	28	62	103	24,57
F45G1210	20	3/4"	12	5/8" - 14	-	28	29	63	104	24,60
F45G1212	20	3/4"	12	3/4" - 14	-	32	29	63	104	4,31
F45G1216	20	3/4"	12	1" - 11	-	38	31	65	105	8,47

**DKR 45° Bogen - Aufschraub-  
konus 60° (BSP-Gewinde)**

**BSP female 45° swept elbow**

**DKR угловой ниппель 45°,  
конус 60°, BSP резьба**

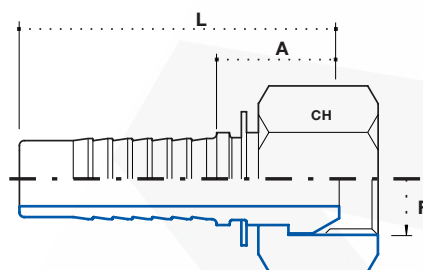


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45G1612	25	1"	16	3/4" - 14	-	32	39	88	143	30,50
F45G1616	25	1"	16	1" - 11	-	38	41	90	145	7,68
F45G1620	25	1"	16	1.1/4" - 11	-	50	44	93	148	16,13
F45G2020	32	1.1/4"	20	1.1/4" - 11	-	50	44	102	163	14,57
F45G2024	32	1.1/4"	20	1.1/2" - 11	-	55	45	103	164	27,85
F45G2424	40	1.1/2"	24	1.1/2" - 11	-	55	45	118	189	25,37

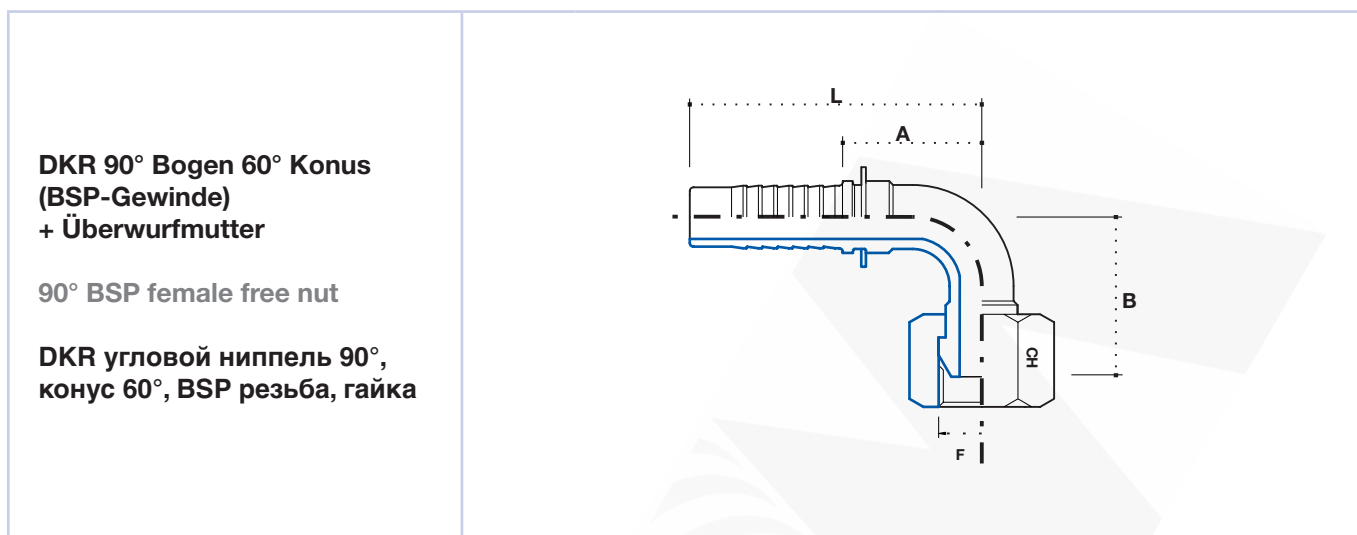
**DKR 60° Konus (BSP-Gewinde)  
+ Überwurfmutter**

BSP female free nut

DKR ниппель, конус 60°, BSP  
резьба, гайка



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	CH	B	A		L
FDG0302SF	5	3/16"	03	1/8" - 28	-	-	15	18	43	1,11
FDG0304SF	5	3/16"	03	1/4" - 19	-	-	19	18	43	1,03
FDG0404SF	6	1/4"	04	1/4" - 19	-	-	19	18	46	0,68
FDG0406SF	6	1/4"	04	3/8" - 19	-	-	22	19	47	0,97
FDG0506SF	8	5/16"	05	3/8" - 19	-	-	22	19	47	0,94
FDG0606SF	10	3/8"	06	3/8" - 19	-	-	22	20	50	0,83
FDG0608SF	10	3/8"	06	1/2" - 14	-	-	27	21	51	1,17
FDG0808SF	12	1/2"	08	1/2" - 14	-	-	27	22	55	1,20



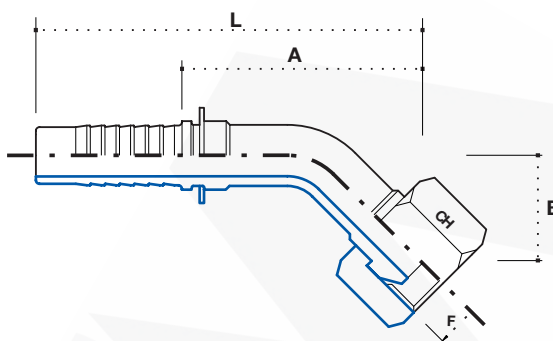
Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90G0302SF	5	3/16"	03	1/8" - 28	-	15	29	23	47.5	2,31
F90G0304SF	5	3/16"	03	1/4" - 19	-	19	29	23	47.5	2,62
F90G0404SF	6	1/4"	04	1/4" - 19	-	19	29	23	51	1,34
F90G0406SF	6	1/4"	04	3/8" - 19	-	22	32	23	51	1,80
F90G0506SF	8	5/16"	05	3/8" - 19	-	22	35.5	31.5	59.5	1,80
F90G0606SF	10	3/8"	06	3/8" - 19	-	22	38	33	63	1,65
F90G0608SF	10	3/8"	06	1/2" - 14	-	27	42	33	63	2,34
F90G0808SF	12	1/2"	08	1/2" - 14	-	27	45	39	72	2,34



**DKR 45° Bogen 60° Konus  
(BSP-Gewinde)  
+ Überwurfmutter**

45° BSP female free nut

DKR угловой ниппель 45°,  
конус 60°, BSP резьба, гайка

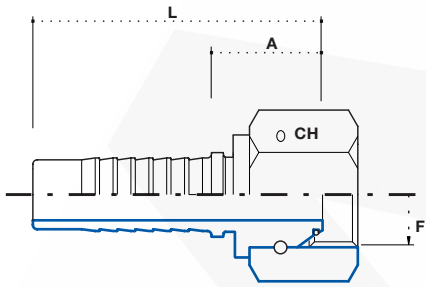


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45G0302SF	5	3/16"	03	1/8" - 28	-	15	17	40	65	2,31
F45G0304SF	5	3/16"	03	1/4" - 19	-	19	17	40	65	2,62
F45G0404SF	6	1/4"	04	1/4" - 19	-	19	17	40	68	1,34
F45G0406SF	6	1/4"	04	3/8" - 19	-	22	20	43	71	1,80
F45G0506SF	8	5/16"	05	3/8" - 19	-	22	21	52	80	1,80
F45G0606SF	10	3/8"	06	3/8" - 19	-	22	20	55	85	1,65
F45G0608F	10	3/8"	06	1/2" - 14	-	27	23	58	88	2,34
F45G0808SF	12	1/2"	08	1/2" - 14	-	27	23	65	98	2,34

**DKOR 60° Konus mit O-ring (BSP-Gewinde) + gestiftete Überwurfmutter**

BSP O-ring female thrust wired nut

DKOR ниппель, конус 60° с уплотнительным резиновым кольцом, гайка со штифтом, BSP резьба

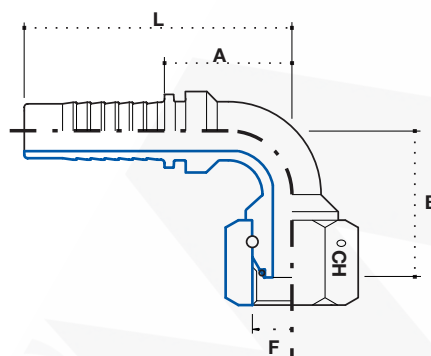


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
FDG1212SP	20	3/4"	12	3/4" - 14	-	-	32	25	66	2,25
FDG1216SP	20	3/4"	12	1" - 11	-	-	38	26	67	4,54
FDG1616SP	25	1"	16	1" - 11	-	-	38	27	82	3,82
FDG1620SP	25	1"	16	1.1/4" - 11	-	-	50	30	85	9,73
FDG2020SP	32	1.1/4"	20	1.1/4" - 11	-	-	50	30	91	7,67
FDG2024SP	32	1.1/4"	20	1.1/2" - 11	-	-	55	32	93	16,76
FDG2424SP	40	1.1/2"	24	1.1/2" - 11	-	-	55	32	103	12,14
FDG2432SP	40	1.1/2"	24	2" - 11	-	-	70	33	104	28,79
FDG3232SP	50	2"	32	2" - 11	-	-	70	34	114	24,12

**DKOR 90° Bogen 60° Konus mit O-ring (BSP-Gewinde) + gestiftete Überwurfmutter**

90° BSP O-ring thrust wired nut

DKOR угловой ниппель 90°, конус 60° с уплотнительным резиновым кольцом, гайка со штифтом, BSP резьба

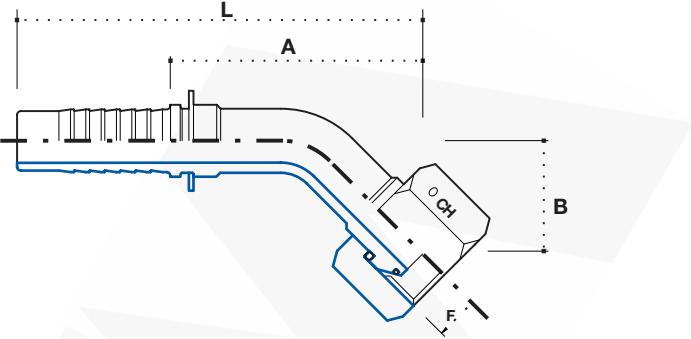


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90G1212SP	20	3/4"	12	3/4"-14	-	32	59	53.5	94.5	5,02
F90G1216SP	20	3/4"	12	1"-11	-	38	65	53.5	94.5	11,35
F90G1616SP	25	1"	16	1"-11	-	38	72	73	128	9,41
F90G1620SP	25	1"	16	1.1/4"-11	-	50	80	73	128	19,59
F90G2020SP	32	1.1/4"	20	1.1/4"-11	-	50	93	89	150	16,45
F90G2024SP	32	1.1/4"	20	1.1/2"-11	-	55	98.5	89	150	34,88
F90G2424SP	40	1.1/2"	24	1.1/2"-11	-	55	114	101	172	29,73
F90G2432SP	40	1.1/2"	24	2"-11	-	70	118	101	172	66,26
F90G3232SP	50	2"	32	2"-11	-	70	136	135	215	60,26

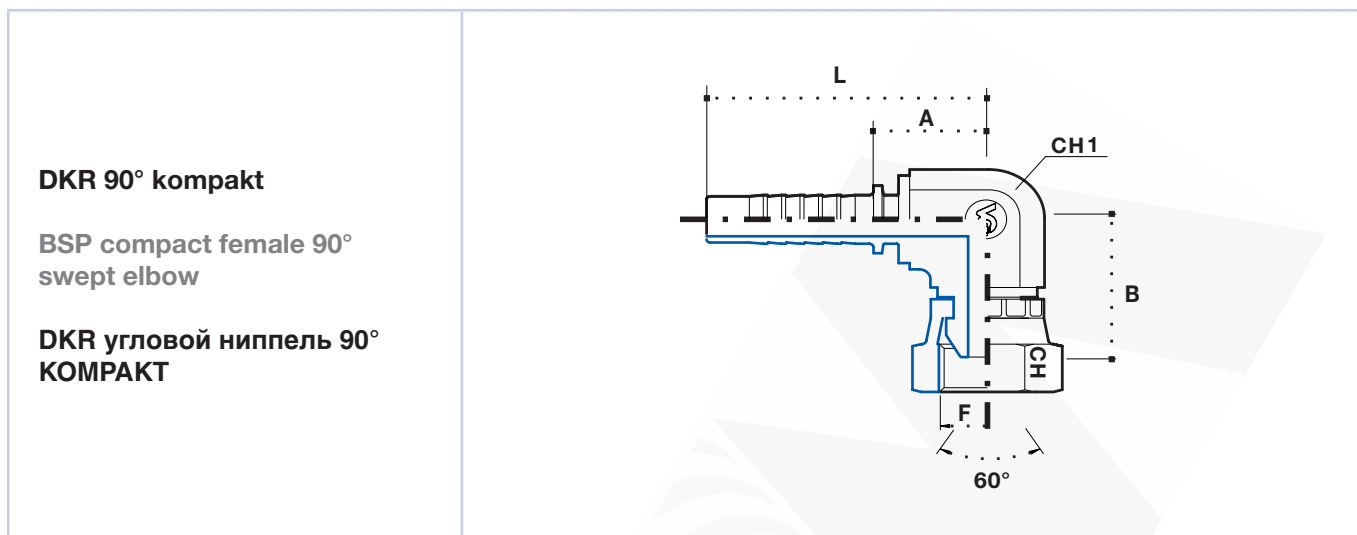
**DKOR 45° Bogen 60° Konus mit O-ring (BSP-Gewinde) + gestiftete Überwurfmutter**

45° BSP o-ring thrust wired nut

DKOR угловой ниппель 45°, конус 60° с уплотнительным резиновым кольцом, гайка со штифтом, BSP резьба



Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45G1212SP	20	3/4"	12	3/4" - 14	-	32	29	63	104	5,02
F45G1216SP	20	3/4"	12	1" - 11	-	38	31	65	105	11,35
F45G1616SP	25	1"	16	1" - 11	-	38	41	90	145	9,41
F45G1620P	25	1"	16	1.1/4" - 11	-	50	44	93	148	19,59
F45G2020SP	32	1.1/4"	20	1.1/4" - 11	-	50	44	102	163	16,45
F45G2024SP	32	1.1/4"	20	1.1/2" - 11	-	55	45	103	164	34,88
F45G2424SP	40	1.1/2"	24	1.1/2" - 11	-	55	45	118	189	29,73
F45G2432SP	40	1.1/2"	24	2" - 11	-	70	48	121	192	66,26
F45G3232SP	50	2"	32	2" - 11	-	70	68	156	236	60,26

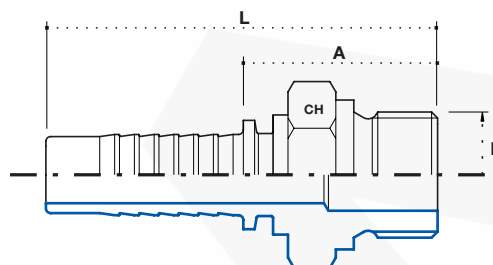


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	CH1	CH	B	A	
F90G0404K	6	1/4"	04	1/4" - 19	14	19	25	19	47	4,67
F90G0406K	6	1/4"	04	3/8" - 19	19	22	28	20.5	48.5	4,99
F90G0506K	8	5/16"	05	3/8" - 19	19	22	28	20.5	48.5	4,53
F90G0606K	10	3/8"	06	3/8" - 19	19	22	28	20.5	50.5	3,14
F90G0608K	10	3/8"	06	1/2" - 14	22	27	34	23.5	53.5	6,41
F90G0808K	12	1/2"	08	1/2" - 14	22	27	34	23.5	57	6,44
F90G1212K	20	3/4"	12	3/4" - 14	27	32	39.5	25	64	9,04
F90G1616K	25	1"	16	1" - 11	33	38	-	-	-	*

### AGR-F Flachdichtend (BSP-Gewinde)

BSP parallel flat seat male

AGR - F ниппель, BSP  
резьба, параллельное прямое  
соединение

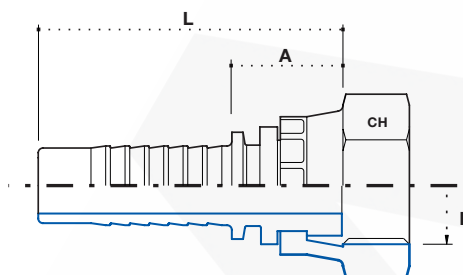


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
MGSP0404	6	1/4"	04	1/4" - 19	-	-	19	27	55	3,53
MGSP0406	6	1/4"	04	3/8" - 19	-	-	22	29	57	4,70
MGSP0506	8	5/16"	05	3/8" - 19	-	-	22	29	57	4,70
MGSP0606	10	3/8"	06	3/8" - 19	-	-	22	28.5	58.5	3,76
MGSP0608	10	3/8"	06	1/2" - 14	-	-	27	32	62	2,68
MGSP0808	12	1/2"	08	1/2" - 14	-	-	27	32	65	4,22
MGSP0810	12	1/2"	08	5/8" - 14	-	-	28	35	68	5,47
MGSP0812	12	1/2"	08	3/4" - 14	-	-	32	36	69	5,87
MGSP1010	16	5/8"	10	5/8" - 14	-	-	28	35	71	4,70
MGSP1012	16	5/8"	10	3/4" - 14	-	-	32	36	72	5,70
MGSP1212	20	3/4"	12	3/4" - 14	-	-	32	37	78	5,64
MGSP1216	20	3/4"	12	1" - 11	-	-	38	40	80	*
MGSP1616	25	1"	16	1" - 11	-	-	38	39.5	94.5	10,94
MGSP2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	46	106	15,66

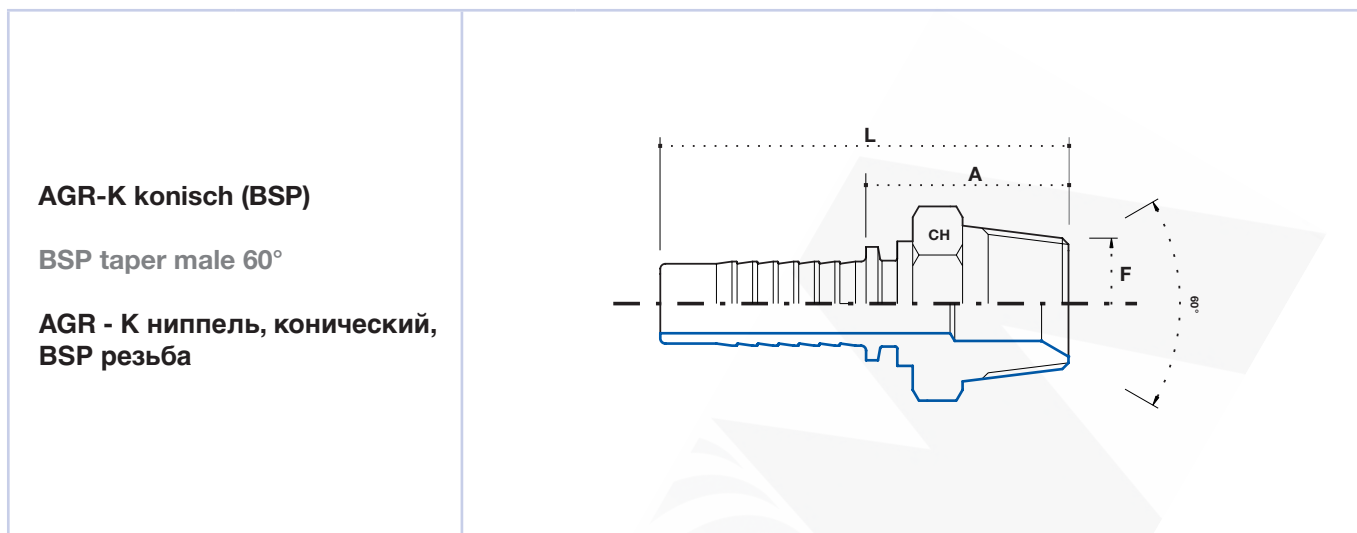
**DKR-F Flachdichtend  
(BSP-Gewinde)**

BSP parallel flat seat male

DKR - F ниппель, BSP резьба



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
FDGSP0404	6	1/4"	04	1/4" - 19	-	-	19	14	42	1,35
FDGSP0406	6	1/4"	04	3/8" - 19	-	-	22	15	43	2,69
FDGSP0506	8	5/16"	05	3/8" - 19	-	-	22	15	43	2,65
FDGSP0606	10	3/8"	06	3/8" - 19	-	-	22	16	46	1,57
FDGSP0608	10	3/8"	06	1/2" - 14	-	-	27	17	47	1,49
FDGSP0808	12	1/2"	08	1/2" - 14	-	-	27	17	50	1,58
FDGSP0810	12	1/2"	08	5/8" - 14	-	-	28	17	50	3,91
FDGSP0812	12	1/2"	08	3/4" - 14	-	-	32	19	52	2,77
FDGSP1010	16	5/8"	10	5/8" - 14	-	-	28	17	53	3,14
FDGSP1012	16	5/8"	10	3/4" - 14	-	-	32	20	56	3,59
FDGSP1212	20	3/4"	12	3/4" - 14	-	-	32	21	62	2,83
FDGSP1216	20	3/4"	12	1" - 11	-	-	38	22	63	5,47
FDGSP1616	25	1"	16	1" - 11	-	-	38	23	78	5,03
FDGSP2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	26	87	8,08



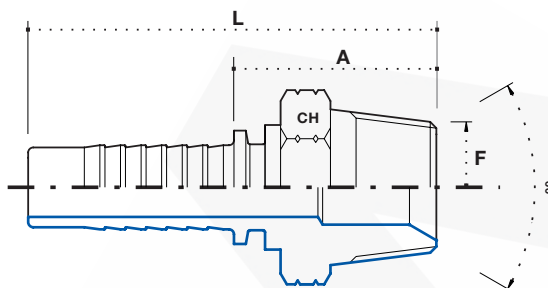
Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
MGK0302	5	3/16"	03	1/8" - 28	-	-	12	22	47	1,37
MGK0304	5	3/16"	03	1/4" - 19	-	-	15	22	47	3,62
MGK0402	6	1/4"	04	1/8" - 28	-	-	12	22.5	50.5	1,11
MGK0404	6	1/4"	04	1/4" - 19	-	-	15	27	55	1,03
MGK0406	6	1/4"	04	3/8" - 19	-	-	19	28	56	1,80
MGK0504	8	5/16"	05	1/4" - 19	-	-	15	27	55	2,42
MGK0506	8	5/16"	05	3/8" - 19	-	-	19	28	56	1,74
MGK0604	10	3/8"	06	1/4" - 19	-	-	15	28	56	1,80
MGK0606	10	3/8"	06	3/8" - 19	-	-	19	28	61	1,03
MGK0608	10	3/8"	06	1/2" - 14	-	-	22	34	67.5	1,97
MGK0806	12	1/2"	08	3/8" - 19	-	-	19	28	63	2,62
MGK0808	12	1/2"	08	1/2" - 14	-	-	22	34.5	67.5	1,48
MGK1008	16	5/8"	10	1/2" - 14	-	-	22	34.5	70.5	2,71
MGK1012	16	5/8"	10	3/4" - 14	-	-	27	36.5	72.5	4,28
MGK1212	20	3/4"	12	3/4" - 14	-	-	27	37	78	2,22
MGK1216	20	3/4"	12	1" - 11	-	-	36	45	86	5,50
MGK1616	25	1"	16	1" - 11	-	-	36	46	101	4,67
MGK1620	25	1"	16	1.1/4" - 11	-	-	46	45.5	100	11,43
MGK2020	32	1.1/4"	20	1.1/4" - 11	-	-	46	46	106.3	9,04
MGK2024	32	1.1/4"	20	1.1/2" - 11	-	-	50	47	108	*
MGK2424	40	1.1/2"	24	1.1/2" - 11	-	-	50	47.3	118	11,93
MGK3232	50	2"	32	2" - 11	-	-	65	57	137	22,77



**AGN 60° Innenkonus (NPTF)**

NPTF male 60°

AGN ниппель, внутренний конус 60°, NPTF резьба

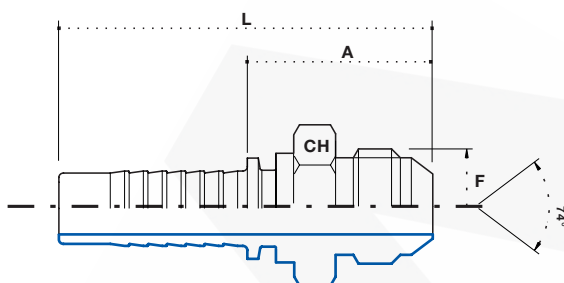


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
MNPT0302	5	3/16"	03	1/8" - 27	-	-	12	22	47	1,12
MNPT0304	5	3/16"	03	1/4" - 18	-	-	15	22	47	2,39
MNPT0402	6	1/4"	04	1/8" - 27	-	-	12	22.5	50.5	0,92
MNPT0404	6	1/4"	04	1/4" - 18	-	-	15	27	55	0,84
MNPT0406	6	1/4"	04	3/8" - 18	-	-	19	28	56	1,15
MNPT0504	8	5/16"	05	1/4" - 18	-	-	15	27	55	1,23
MNPT0506	8	5/16"	05	3/8" - 18	-	-	19	28	56	1,28
MNPT0508	8	5/16"	05	1/2" - 14	-	-	22	28	56	1,51
MNPT0604	10	3/8"	06	1/4" - 18	-	-	15	28	56	1,09
MNPT0606	10	3/8"	06	3/8" - 18	-	-	19	28	58	1,09
MNPT0608	10	3/8"	06	1/2" - 14	-	-	22	34	67.5	1,40
MNPT0806	12	1/2"	08	3/8" - 18	-	-	19	28	63	1,57
MNPT0808	12	1/2"	08	1/2" - 14	-	-	22	34.5	67.5	1,41
MNPT0812	12	1/2"	08	3/4" - 14	-	-	27	34.5	67.5	3,23
MNPT1008	16	5/8"	10	1/2" - 14	-	-	22	34.5	70.5	2,49
MNPT1012	16	5/8"	10	3/4" - 14	-	-	27	36.5	72.5	2,39
MNPT1212	20	3/4"	12	3/4" - 14	-	-	27	37	78	1,88
MNPT1216	20	3/4"	12	1" - 11.5	-	-	36	45	86	4,20
MNPT1612	25	1"	16	3/4" - 14	-	-	27	38	93	10,87
MNPT1616	25	1"	16	1" - 11.5	-	-	36	46	101	4,03
MNPT1620	25	1"	16	1.1/4" - 11.5	-	-	46	45.5	100	9,22
MNPT2020	32	1.1/4"	20	1.1/4" - 11.5	-	-	46	45.5	106.5	7,25
MNPT2424	40	1.1/2"	24	1.1/2" - 11.5	-	-	50	47	118	9,47
MNPT3232	50	2"	32	2" - 11.5	-	-	65	57	137	19,72

### AGJ 74° Aussenkonus (UNF-Gewinde)

JIC male 74°

AGJ ниппель, JIC конус 74°,  
UNF резьба

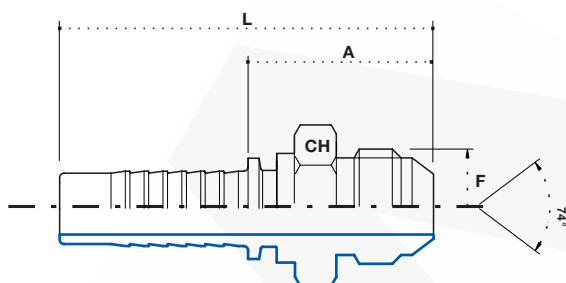


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
MJ0304	5	3/16"	03	7/16" - 20	-	-	12	27	51.5	1,48
MJ0305	5	3/16"	03	1/2" - 20	-	-	14	27	51.5	*
MJ0404	6	1/4"	04	7/16" - 20	-	-	12	27	55	0,88
MJ0405	6	1/4"	04	1/2" - 20	-	-	14	27	55	1,00
MJ0406	6	1/4"	04	9/16" - 18	-	-	15	28	56	1,03
MJ0505	8	5/16"	05	1/2" - 20	-	-	14	27	55	1,65
MJ0506	8	5/16"	05	9/16" - 18	-	-	15	28	56	1,03
MJ0507	8	5/16"	05	5/8" - 18	-	-	17	29.5	57.5	2,34
MJ0508	8	5/16"	05	3/4" - 16	-	-	19	29.5	57.5	1,97
MJ0606	10	3/8"	06	9/16" - 18	-	-	15	28	58	0,88
MJ0607	10	3/8"	06	5/8" - 18	-	-	17	29.5	59.5	2,05
MJ0608	10	3/8"	06	3/4" - 16	-	-	19	30.5	60.5	1,03
MJ0610	10	3/8"	06	7/8" - 14	-	-	24	34.5	64.5	1,74
MJ0808	12	1/2"	08	3/4" - 16	-	-	19	31	64	1,20
MJ0810	12	1/2"	08	7/8" - 14	-	-	24	35	68	1,54
MJ0812	12	1/2"	08	1.1/16" - 12	-	-	27	39.5	72.5	2,82
MJ1010	16	5/8"	10	7/8" - 14	-	-	24	35	71	1,45
MJ1012	16	5/8"	10	1.1/16" - 12	-	-	27	39.5	75.5	1,97
MJ1210	20	3/4"	12	7/8" - 14	-	-	-	-	-	2,83
MJ1212	20	3/4"	12	1.1/16" - 12	-	-	27	40.5	81.5	2,14
MJ1214	20	3/4"	12	1.3/16" - 12	-	-	32	41.5	82.5	4,10
MJ1216	20	3/4"	12	1.5/16" - 12	-	-	34	41.5	82.5	3,79

**AGJ 74° Aussenkonus  
(UNF-Gewinde)**

JIC male 74°

AGJ ниппель, JIC конус 74°,  
UNF резьба

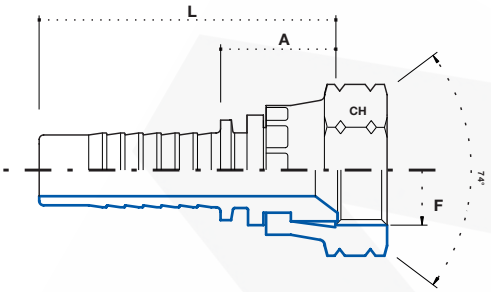


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
MJ1612	25	1"	16	1.1/16" - 12	-	-	-	-	-	11,34
MJ1616	25	1"	16	1.5/16" - 12	-	-	34	42.5	97.5	4,13
MJ1620	25	1"	16	1.5/8" - 12	-	-	42	45	100	7,72
MJ2020	32	1.1/4"	20	1.5/8" - 12	-	-	42	45.5	106	8,64
MJ2024	32	1.1/4"	20	1.7/8" - 12	-	-	50	52.5	113	12,31
MJ2424	40	1.1/2"	24	1.7/8" - 12	-	-	50	52.5	123.5	13,14
MJ3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	28,57

**DKJ 74° Dichtkopf  
(UNF-Gewinde)**

JIC female 74° cone seat

DKJ ниппель, JIC конус 74°,  
уплотняющее соединение,  
UNF резьба

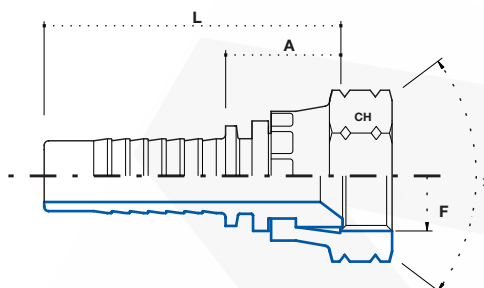


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
FDJ0304	5	3/16"	03	7/16" - 20	-	-	15	15	40	1,20
FDJ0305	5	3/16"	03	1/2" - 20	-	-	17	15	40	1,33
FDJ0404	6	1/4"	04	7/16" - 20	-	-	15	15	43	0,77
FDJ0405	6	1/4"	04	1/2" - 20	-	-	17	16	44	0,86
FDJ0406	6	1/4"	04	9/16" - 18	-	-	19	16	44	0,83
FDJ0505	8	5/16"	05	1/2" - 20	-	-	17	16	44	1,37
FDJ0506	8	5/16"	05	9/16" - 18	-	-	19	16	44	0,97
FDJ0507	8	5/16"	05	5/8" - 18	-	-	22	17	45	2,14
FDJ0508	8	5/16"	05	3/4" - 16	-	-	24	17	45	1,37
FDJ0606	10	3/8"	06	9/16" - 18	-	-	19	16.5	46.5	0,91
FDJ0607	10	3/8"	06	5/8" - 18	-	-	22	17	47	1,80
FDJ0608	10	3/8"	06	3/4" - 16	-	-	24	17	47	1,20
FDJ0610	10	3/8"	06	7/8" - 14	-	-	27	18.5	48.5	1,65
FDJ0808	12	1/2"	08	3/4" - 16	-	-	24	18	51	1,31
FDJ0810	12	1/2"	08	7/8" - 14	-	-	27	19	52	1,43
FDJ0812	12	1/2"	08	1.1/16" - 12	-	-	32	22	55	2,96
FDJ1010	16	5/8"	10	7/8" - 14	-	-	27	19.5	55.5	1,77
FDJ1012	16	5/8"	10	1.1/16" - 12	-	-	32	22.5	58.5	2,14
FDJ1210	20	3/4"	12	7/8" - 14	-	-	-	-	-	*
FDJ1212	20	3/4"	12	1.1/16" - 12	-	-	32	23	64	2,48
FDJ1214	20	3/4"	12	1.3/16" - 12	-	-	36	23	64	4,53
FDJ1216	20	3/4"	12	1.5/16" - 12	-	-	41	23	64	4,05

**DKJ 74° Dichtkopf  
(UNF-Gewinde)**

JIC female 74° cone seat

DKJ ниппель, JIC конус 74°,  
уплотняющее соединение,  
UNF резьба

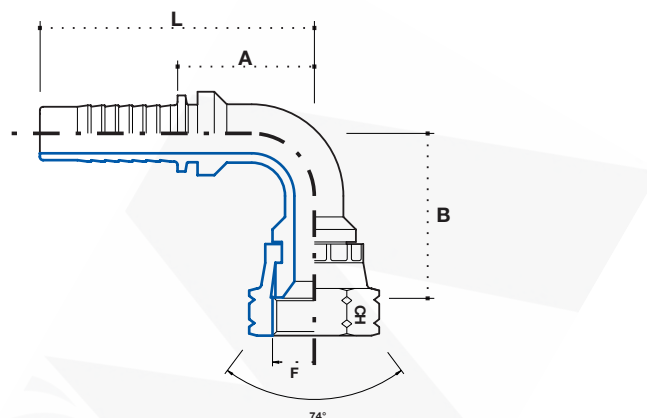


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
FDJ1612	25	1"	16	1.1/16" - 12	-	-	-	-	-	7,72
FDJ1616	25	1"	16	1.5/16" - 12	-	-	41	24.5	79.5	4,05
FDJ1620	25	1"	16	1.5/8" - 12	-	-	50	28.5	83.5	8,38
FDJ2020	32	1.1/4"	20	1.5/8" - 12	-	-	50	29	90	7,50
FDJ2024	32	1.1/4"	20	1.7/8" - 12	-	-	55	31	92	18,07
FDJ2424	40	1.1/2"	24	1.7/8" - 12	-	-	55	31	102	12,34
FDJ3232	50	2"	32	2.1/2" - 12	-	-	70	33	104	*

**DKJ 90° Bogen 74° JIC  
Dichtkopf (UNF)**

90° JIC female swept elbow  
74° cone seat

DKJ угловой ниппель 90°,  
JIC конус 74°, уплотняющее  
соединение, UNF резьба

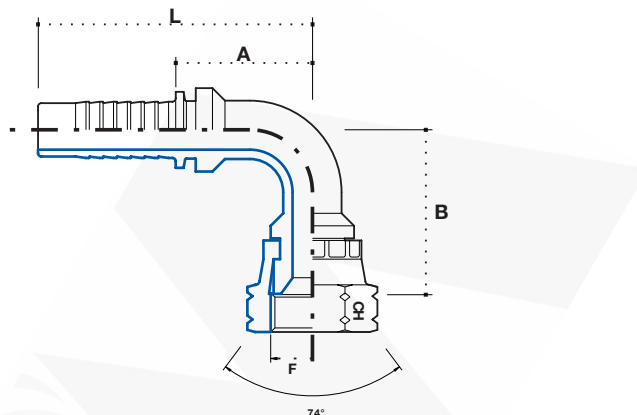


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90J0304	5	3/16"	03	7/16" - 20	-	15	26	23	47.5	2,48
F90J0305	5	3/16"	03	1/2" - 20	-	17	27	23	47.5	4,28
F90J0404	6	1/4"	04	7/16" - 20	-	15	26	23	51	1,57
F90J0405	6	1/4"	04	1/2" - 20	-	17	27	23	51	1,54
F90J0406	6	1/4"	04	9/16" - 18	-	19	27	23	51	1,74
F90J0505	8	5/16"	05	1/2" - 20	-	17	32	31.5	59.5	2,62
F90J0506	8	5/16"	05	9/16" - 18	-	19	32	31.5	59.5	1,82
F90J0507	8	5/16"	05	5/8" - 18	-	22	32.5	31.5	59.5	4,28
F90J0508	8	5/16"	05	3/4" - 16	-	24	32.5	31.5	59.5	2,88
F90J0606	10	3/8"	06	9/16" - 18	-	19	35	33	63	1,74
F90J0607	10	3/8"	06	5/8" - 18	-	22	35.5	33	63	3,79
F90J0608	10	3/8"	06	3/4" - 16	-	24	36.5	33	63	2,22
F90J0610	10	3/8"	06	7/8" - 14	-	27	39.5	33	63	3,93
F90J0808	12	1/2"	08	3/4" - 16	-	24	41	39	72	2,59
F90J0810	12	1/2"	08	7/8" - 14	-	27	42.5	39	72	2,65
F90J0812	12	1/2"	08	1.1/16" - 12	-	32	50	39	72	6,73
F90J1010	16	5/8"	10	7/8" - 14	-	27	50	49	85	3,53
F90J1012	16	5/8"	10	1.1/16" - 12	-	32	55	49	85	4,59
F90J1210	20	3/4"	12	7/8" - 14	-	-	-	-	-	*
F90J1212	20	3/4"	12	1.1/16" - 12	-	32	58	53.5	94.5	5,10
F90J1214	20	3/4"	12	1.3/16" - 12	-	36	61	53.5	94.5	9,69
F90J1216	20	3/4"	12	1.5/16" - 12	-	41	62.5	53.5	94.5	9,86

**DKJ 90° Bogen 74° JIC  
Dichtkopf (UNF)**

90° JIC female swept elbow  
74° cone seat

DKJ угловой ниппель 90°,  
JIC конус 74°, уплотняющее  
соединение, UNF резьба

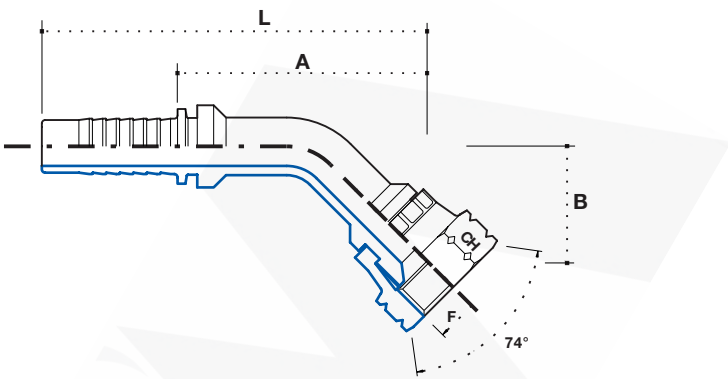


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90J1612	25	1"	16	1.1/6" - 12	-	-	-	-	-	19,72
F90J1616	25	1"	16	1.5/16" - 12	-	41	69.5	73	128	8,38
F90J1620	25	1"	16	1.5/8" - 12	-	50	78.5	73	128	19,07
F90J2020	32	1.1/4"	20	1.5/8" - 12	-	50	91.5	89	150	17,67
F90J2024	32	1.1/4"	20	1.7/8" - 12	-	55	99	89	150	33,43
F90J2424	40	1.1/2"	24	1.7/8" - 12	-	55	112.5	101	172	31,72
F90J3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	*

**DKJ 45° Bogen 74° JIC  
Dichtkopf (UNF)**

45° JIC female swept elbow  
74° cone seat

DKJ угловой ниппель 45°,  
JIC конус 74°, уплотняющее  
соединение, UNF резьба



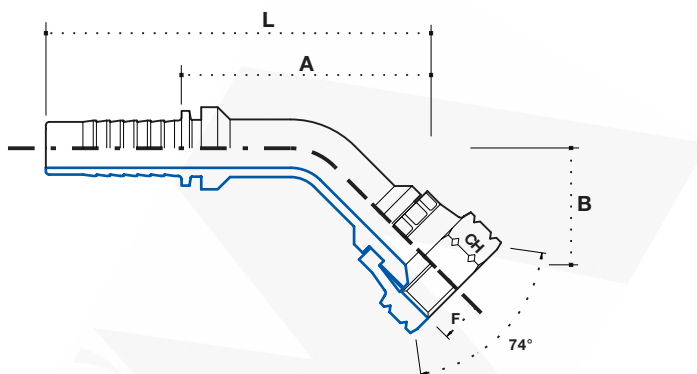
Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45J0304	5	3/16"	03	7/16" - 20	-	15	15	38	63	2,59
F45J0305	5	3/16"	03	1/2" - 20	-	17	17	40	65	4,45
F45J0404	6	1/4"	04	7/16" - 20	-	15	15	38	66	1,65
F45J0405	6	1/4"	04	1/2" - 20	-	17	17	40	68	1,63
F45J0406	6	1/4"	04	9/16" - 18	-	19	16.5	39.5	67.5	1,80
F45J0505	8	5/16"	05	1/2" - 20	-	17	17	40	68	2,71
F45J0506	8	5/16"	05	9/16" - 18	-	19	18.5	49.5	77.5	1,91
F45J0507	8	5/16"	05	5/8" - 18	-	22	19	50	80	4,53
F45J0508	8	5/16"	05	3/4" - 16	-	24	19.5	50.5	78.5	3,05
F45J0606	10	3/8"	06	9/16" - 18	-	19	18	53	83	1,68
F45J0607	10	3/8"	06	5/8" - 18	-	22	19	54	84	3,99
F45J0608	10	3/8"	06	3/4" - 16	-	24	19	54	84	2,31
F45J0610	10	3/8"	06	7/8" - 14	-	27	21	56	86	4,16
F45J0808	12	1/2"	08	3/4" - 16	-	24	20	62	95	2,71
F45J0810	12	1/2"	08	7/8" - 14	-	27	21	63	97	2,79
F45J0812	12	1/2"	08	1.1/16" - 12	-	32	22	64	97	7,07
F45J1010	16	5/8"	10	7/8" - 14	-	27	22	60	96	3,71
F45J1012	16	5/8"	10	1.1/16" - 12	-	32	25	63	99	4,85
F45J1210	20	3/4"	12	7/8" - 14	-	-	-	-	-	*
F45J1212	20	3/4"	12	1.1/16" - 12	-	32	29	62	103	5,34
F45J1214	20	3/4"	12	1.3/16" - 12	-	36	29	63	103	10,18
F45J1216	20	3/4"	12	1.5/16" - 12	-	41	29	63	103	10,37



**DKJ 45° Bogen 74° JIC  
Dichtkopf (UNF)**

45° JIC female swept elbow  
74° cone seat

DKJ угловой ниппель 45°,  
JIC конус 74°, уплотняющее  
соединение, UNF резьба

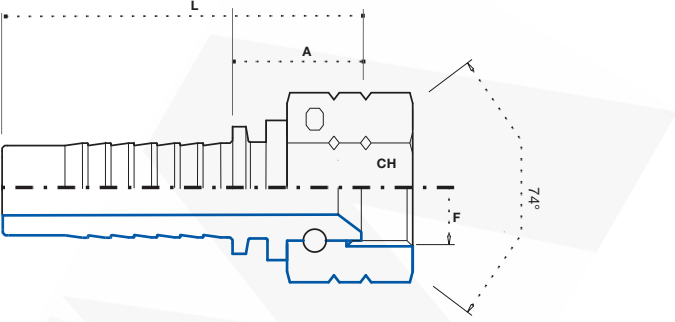


Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F45J1612	25	1"	16	1.1/16" - 12	-	-	-	-	-	20,69
F45J1616	25	1"	16	1.5/16" - 12	-	41	39.5	88.5	143.5	8,81
F45J1620	25	1"	16	1.5/8" - 12	-	50	38.5	89.5	147.5	20,04
F45J2020	32	1.1/4"	20	1.5/8" - 12	-	50	44	101	162	18,58
F45J2024	32	1.1/4"	20	1.7/8" - 12	-	55	45	103	164	35,08
F45J2424	40	1.1/2"	24	1.7/8" - 12	-	55	45	118	189	33,29
F45J3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	*

**DKJ 74° Dichtkopf  
(UNF-Gewinde) + gestiftete  
Überwurfmutter**

JIC female 74° cone seat  
with thrust wire nut

DKJ ниппель, JIC конус 74°,  
гайка со штифтом, UNF резьба

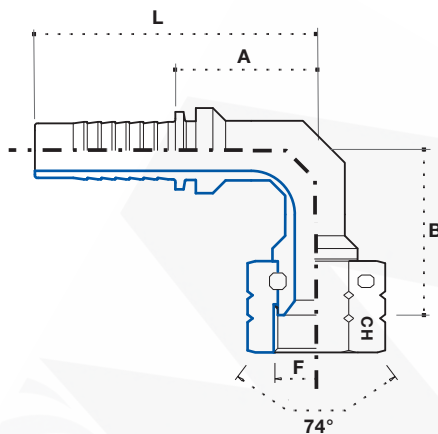


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
FDJ1012SP	16	5/8"	10	1.1/16" - 12	-	-	32	22.5	58.5	*
FDJ1212SP	20	3/4"	12	1.1/16" - 12	-	-	32	23	64	*
FDJ1216SP	20	3/4"	12	1.5/16" - 12	-	-	41	23.5	64.5	*
FDJ1616SP	25	1"	16	1.5/16" - 12	-	-	41	24.5	79.5	*
FDJ1620SP	25	1"	16	1.5/8" - 12	-	-	50	28.5	83.5	*
FDJ2020SP	32	1.1/4"	20	1.5/8" - 12	-	-	50	29	89.5	*
FDJ2024SP	32	1.1/4"	20	1.7/8" - 12	-	-	55	31	91.5	*
FDJ2424SP	40	1.1/2"	24	1.7/8" - 12	-	-	55	31	102	*
FDJ2432SP	40	1.1/2"	24	2.1/2" - 12	-	-	70	31.5	102.5	*
FDJ3232SP	50	2"	32	2.1/2" - 12	-	-	70	-	-	34,57

**DKJ 90° Bogen 74° JIC  
Dichtkopf (UNF) + gestiftete  
Überwurfmutter**

90° JIC female swept elbow  
74° cone seat with thrust  
wire nut

DKJ угловой ниппель 90°, JIC  
конус 74°, гайка со штифтом,  
UNF резьба

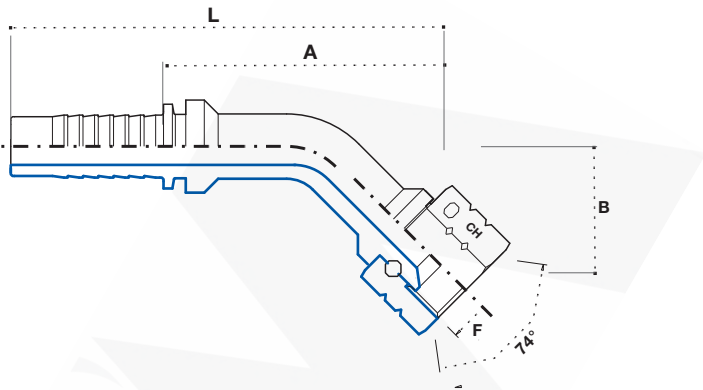


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90J1012SP	16	5/8"	10	1.1/16" - 12	-	32	55	49	85	*
F90J1212SP	20	3/4"	12	1.1/16" - 12	-	32	58	53.5	94.5	*
F90J1216SP	20	3/4"	12	1.5/16" - 12	-	41	62.5	53.5	94.5	*
F90J1616SP	25	1"	16	1.5/16" - 12	-	41	69.5	73	128	8,38
F90J1620SP	25	1"	16	1.5/8" - 12	-	50	78.5	73	128	*
F90J2020SP	32	1.1/4"	20	1.5/8" - 12	-	50	91.5	89	150	*
F90J2024SP	32	1.1/4"	20	1.7/8" - 12	-	55	99	89	150	*
F90J2424SP	40	1.1/2"	24	1.7/8" - 12	-	55	112.5	101	172	*
F90J2432SP	40	1.1/2"	24	2.1/2" - 12	-	70	-	-	-	*
F90J3232SP	50	2"	32	2.1/2" - 12	-	70	-	-	-	61,50

**DKJ 45° Bogen 74° JIC  
Dichtkopf (UNF) + gestiftete  
Überwurfmutter**

45° JIC female swept elbow  
74° cone seat with thrust  
wire nut

DKJ угловой ниппель 45°, JIC  
конус 74°, гайка со штифтом,  
UNF резьбой

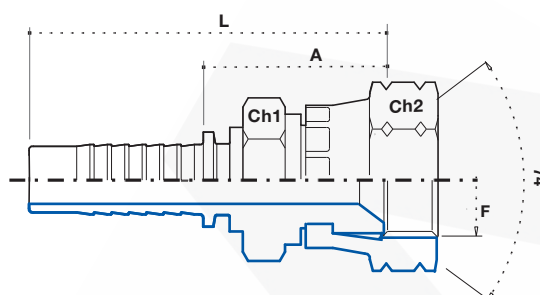


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45J1012SP	16	5/8"	10	1.1/16" - 12	-	32	25	63	99	*
F45J1212SP	20	3/4"	12	1.1/16" - 12	-	32	29	62	103	*
F45J1216SP	20	3/4"	12	1.5/16" - 12	-	41	29	63	103	*
F45J1616SP	25	1"	16	1.5/16" - 12	-	41	39.5	88.5	143.5	*
F45J1620SP	25	1"	16	1.5/8" - 12	-	50	38.5	89.5	147.5	*
F45J2020SP	32	1.1/4"	20	1.5/8" - 12	-	50	44	101	162	*
F45J2024SP	32	1.1/4"	20	1.7/8" - 12	-	55	45	103	164	*
F45J2424SP	40	1.1/2"	24	1.7/8" - 12	-	55	45	118	189	*
F45J2432SP	40	1.1/2"	24	2.1/2" - 12	-	70	-	-	-	*
F45J3232SP	50	2"	32	2.1/2" - 12	-	70	-	-	-	61,50

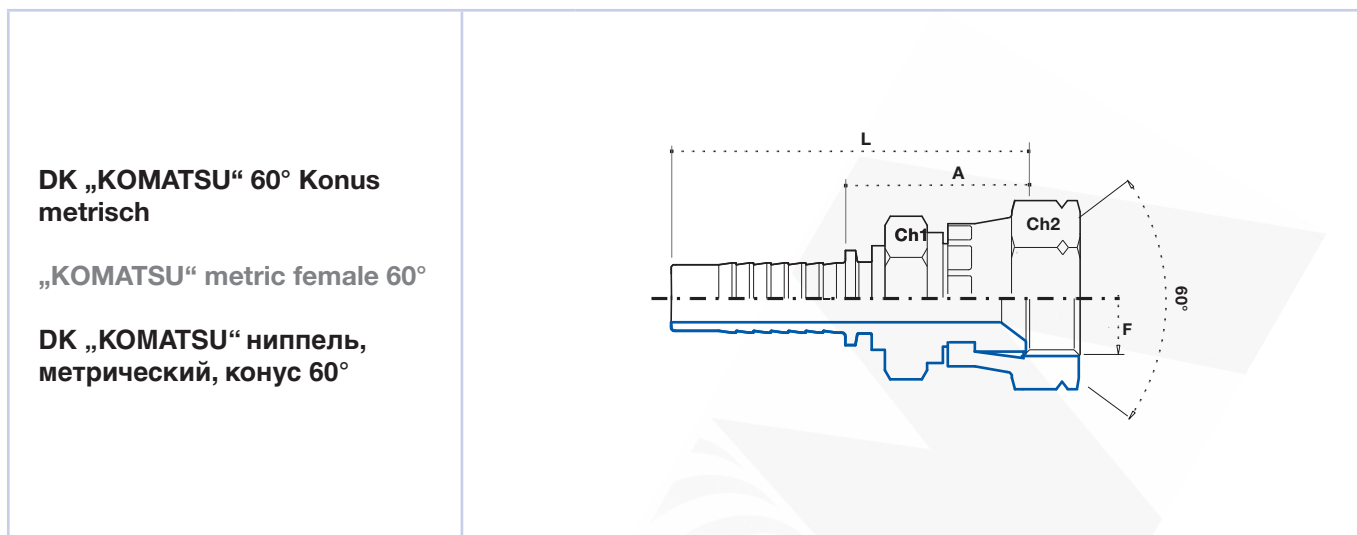
**DKJ 74° Konus mit Kontersechskant**

**JIC female 74° cone seat double exagon**

**DKJ ниппель, JIC конус 74° с контр - гайкой**



Artikel Code	Schlauch / Hose			Gewinde / Thread F	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		Ch <sub>1</sub>	Ch <sub>2</sub>	A	L		
FDJ0404GIR	6	1/4"	04	7/16" - 20	-	14	15	23.5	51.5	1,82
FDJ0405GIR	6	1/4"	04	1/2" - 20	-	14	17	24	52	2,11
FDJ0406GIR	6	1/4"	04	9/16" - 18	-	17	19	25.7	53.7	2,11
FDJ0506GIR	8	5/16"	05	9/16" - 18	-	17	19	25.2	53.2	2,22
FDJ0606GIR	10	3/8"	06	9/16" - 18	-	17	19	25.2	55.2	2,22
FDJ0608GIR	10	3/8"	06	3/4" - 16	-	19	24	27.3	57.3	2,77
FDJ0808GIR	12	1/2"	08	3/4" - 16	-	22	24	27.8	60.8	2,96
FDJ0810GIR	12	1/2"	08	7/8" - 14	-	22	27	29.5	62.5	3,71
FDJ1010GIR	16	5/8"	10	7/8" - 14	-	24	27	29.5	65.5	4,70
FDJ1012GIR	16	5/8"	10	1.1/16" - 12	-	27	32	32.5	68.5	5,47
FDJ1212GIR	20	3/4"	12	1.1/16" - 12	-	27	32	35	76	4,79
FDJ1616GIR	25	1"	16	1.5/16" - 12	-	32	41	36	91	7,78

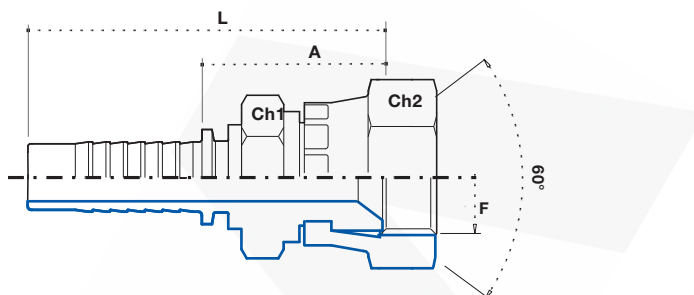


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH <sub>1</sub>	CH <sub>2</sub>	A	
FDK0414	6	1/4"	-	M14 x 1.5	-	17	19	24.2	52.2	2,26
FDK0516	8	5/16"	-	M16 x 1.5	-	19	22	24.2	52.2	3,31
FDK0614	10	3/8"	-	M14 x 1.5	-	17	19	24.2	54.2	2,37
FDK0616	10	3/8"	-	M16 x 1.5	-	19	22	24.2	54.2	3,45
FDK0618	10	3/8"	-	M18 x 1.5	-	24	24	25.8	55.8	3,02
FDK0820	12	1/2"	-	M20 x 1.5	-	27	27	29	62	4,16
FDK0822	12	1/2"	-	M22 x 1.5	-	27	27	29	62	3,46
FDK0824	12	1/2"	-	M24 x 1.5	-	32	32	32	65	17,30
FDK1022	16	5/8"	-	M22 x 1.5	-	27	27	29	65	6,73
FDK1024	16	5/8"	-	M24 x 1.5	-	32	32	32.5	68.5	4,59
FDK1230	20	3/4"	-	M30 x 1.5	-	36	36	32.1	73.1	13,68
FDK1633	25	1"	-	M33 x 1.5	-	41	41	34.6	89.6	15,34
FDK2036	32	1.1/4"	-	M36 x 1.5	-	46	46	37.5	96.6	27,67
FDK2442	40	1.1/2"	-	M42 x 1.5	-	50	50	36.1	107.1	38,05

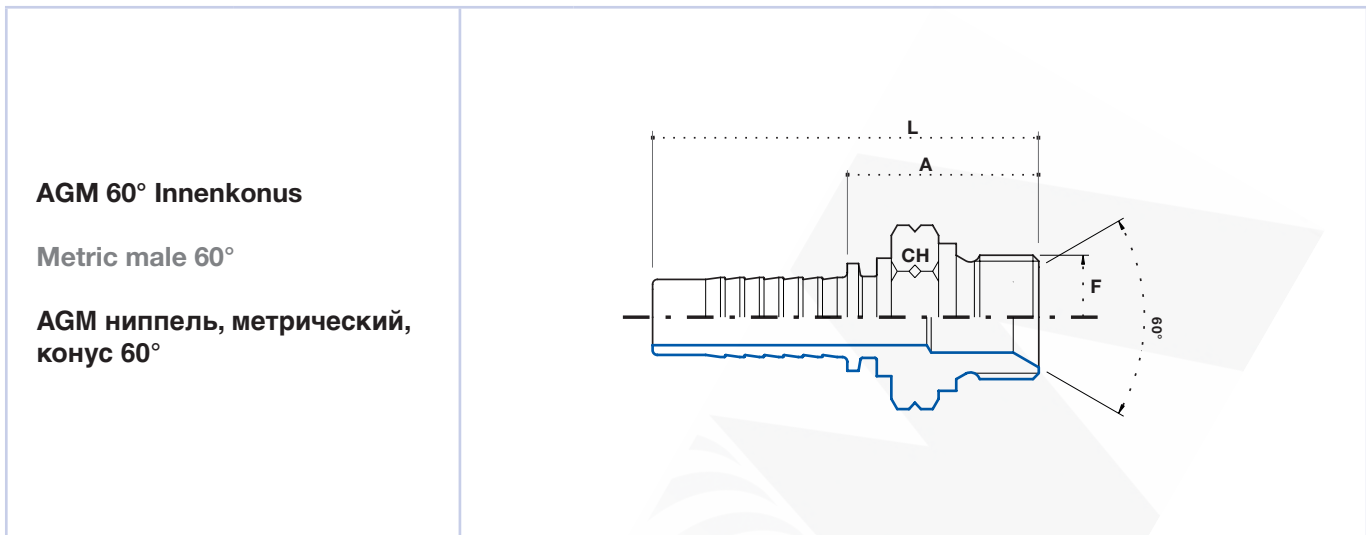
DK „TOYOTA“ 60° Konus

TOYOTA BSP straight female  
60°

DK „TOYOTA“ ниппель, конус  
60°



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size		F	CH <sub>1</sub>	CH <sub>2</sub>	A	
FDT0404	6	1/4"	04	1/4" - 19	-				3,14
FDT0606	10	3/8"	06	3/8" - 19	-				4,19
FDT0808	12	1/2"	08	1/2" - 14	-				5,90
FDT1212	20	3/4"	12	3/4" - 14	-				10,15
FDT1616	25	1"	16	1" - 11	-				19,38
FDT2020	32	1.1/4"	20	1.1/4" - 11	-				37,28
FDT2424	40	1.1/2"	24	1.1/2" - 11	-				46,28



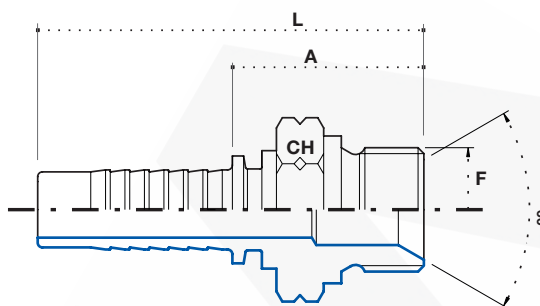
Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
MM0310	5	3/16"	03	M10 x 1	-	-	15	21	45	1,74
MM0312	5	3/16"	03	M12 x 1.5	-	-	17	24.5	49	1,94
MM0410	6	1/4"	04	M10 x 1	-	-	15	21	49	1,22
MM0412	6	1/4"	04	M12 x 1.5	-	-	17	25.5	54	1,57
MM0414	6	1/4"	04	M14 x 1.5	-	-	19	27	55	1,48
MM0416	6	1/4"	04	M16 x 1.5	-	-	22	29	57	1,88
MM0418	6	1/4"	04	M18 x 1.5	-	-	24	29	57	0,91
MM0514	8	5/16"	05	M14 x 1.5	-	-	19	27	55	1,28
MM0516	8	5/16"	05	M16 x 1.5	-	-	22	29	57	1,82
MM0518	8	5/16"	05	M18 x 1.5	-	-	24	29	57	2,11
MM0614	10	3/8"	06	M14 x 1.5	-	-	19	27	57	2,20
MM0616	10	3/8"	06	M16 x 1.5	-	-	22	29	59	1,88
MM0618	10	3/8"	06	M18 x 1.5	-	-	24	29	59	1,88
MM0620	10	3/8"	06	M20 x 1.5	-	-	27	32	62	2,28
MM0622	10	3/8"	06	M22 x 1.5	-	-	27	32	62	2,20
MM0818	12	1/2"	08	M18 x 1.5	-	-	24	29	62	2,42
MM0820	12	1/2"	08	M20 x 1.5	-	-	27	33	66	1,32
MM0822	12	1/2"	08	M22 x 1.5	-	-	27	33	66	2,37
MM0824	12	1/2"	08	M24 x 1.5	-	-	30	36	69	6,27
MM0826	12	1/2"	08	M26 x 1.5	-	-	32	36	69	7,67
MM1026	16	5/8"	10	M26 x 1.5	-	-	32	36	72	7,67
MM1226	20	3/4"	12	M26 x 1.5	-	-	32	37	78	6,27
MM1230	20	3/4"	12	M30 x 1.5	-	-	34	36	77	7,84



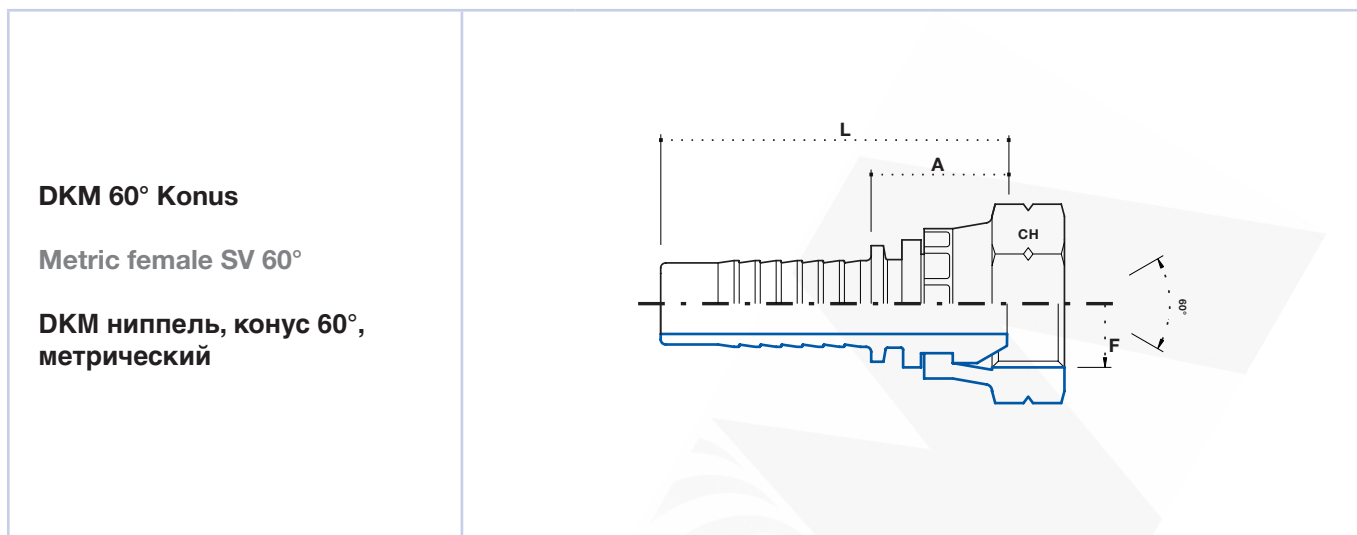
**AGM 60° Innenkonus**

**Metric male 60°**

**AGM ниппель, метрический, внутренний конус 60°**



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
MM1638	25	1"	16	M38 x 1.5	-	-	46	37	92	17,21
MM2045	32	1.1/4"	20	M45 x 1.5	-	-	-	-	-	32,86
MM2452	40	1.1/2"	24	M52 x 1.5	-	-	-	-	-	36,97

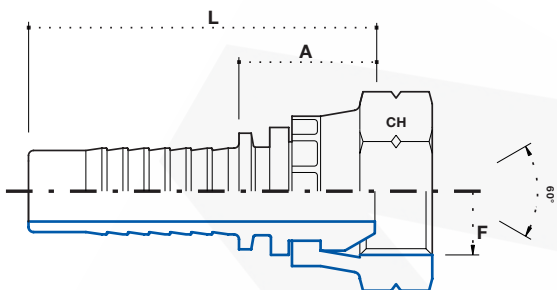


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
FDM0310	5	3/16"	03	M10 x 1	-	-	15	18	43	1,54
FDM0312	5	3/16"	03	M12 x 1.5	-	-	17	18	43	1,45
FDM0410	6	1/4"	04	M10 x 1	-	-	15	18	46	1,40
FDM0412	6	1/4"	04	M12 x 1.5	-	-	17	18	46	1,40
FDM0414	6	1/4"	04	M14 x 1.5	-	-	19	18	46	0,94
FDM0416	6	1/4"	04	M16 x 1.5	-	-	22	19	47	0,83
FDM0418	6	1/4"	04	M18 x 1.5	-	-	24	19	47	1,25
FDM0514	8	5/16"	05	M14 x 1.5	-	-	19	18	46	1,31
FDM0516	8	5/16"	05	M16 x 1.5	-	-	22	19	47	0,84
FDM0518	8	5/16"	05	M18 x 1.5	-	-	24	19	47	1,34
FDM0614	10	3/8"	06	M14 x 1.5	-	-	19	19	49	1,63
FDM0616	10	3/8"	06	M16 x 1.5	-	-	22	20	50	1,25
FDM0618	10	3/8"	06	M18 x 1.5	-	-	24	20	50	1,20
FDM0620	10	3/8"	06	M20 x 1.5	-	-	27	21	51	1,82
FDM0622	10	3/8"	06	M22 x 1.5	-	-	27	21	51	1,80
FDM0818	12	1/2"	08	M18 x 1.5	-	-	24	20	53	1,97
FDM0820	12	1/2"	08	M20 x 1.5	-	-	27	22	55	1,74
FDM0822	12	1/2"	08	M22 x 1.5	-	-	27	22	55	1,17
FDM0824	12	1/2"	08	M24 x 1.5	-	-	30	23	56	2,74
FDM0826	12	1/2"	08	M26 x 1.5	-	-	32	24	57	3,45
FDM1026	16	5/8"	10	M26 x 1.5	-	-	32	24	60	2,82
FDM1226	20	3/4"	12	M26 x 1.5	-	-	32	25	66	2,91
FDM1230	20	3/4"	12	M30 x 1.5	-	-	34	26	67	5,26

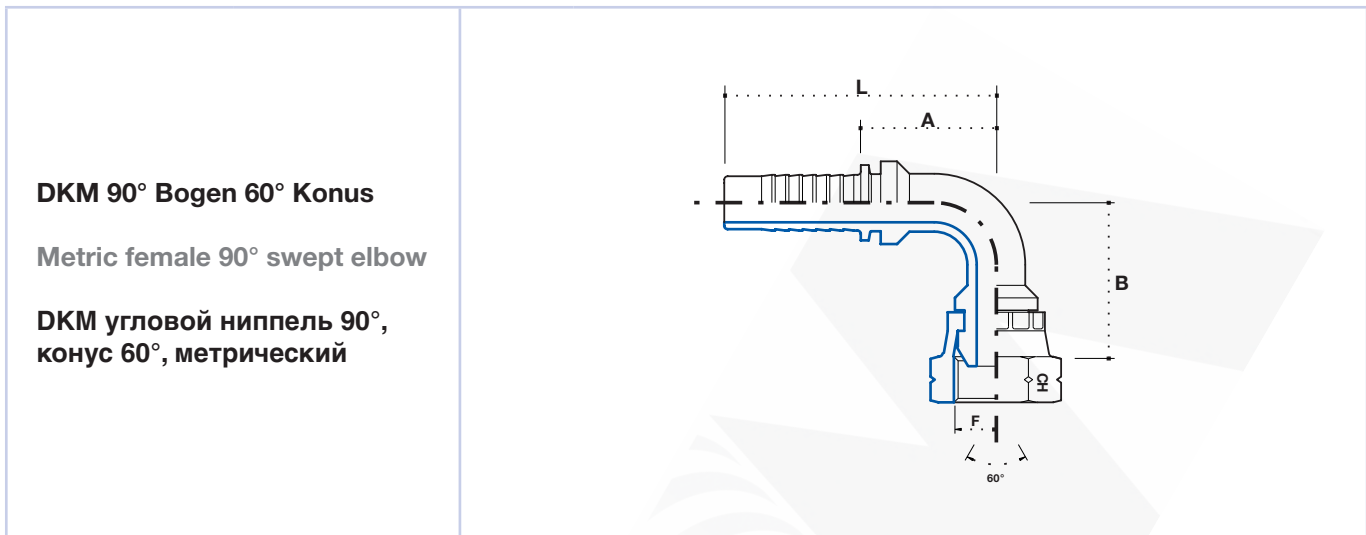
**DKM 60° Konus**

**Metric female SV 60°**

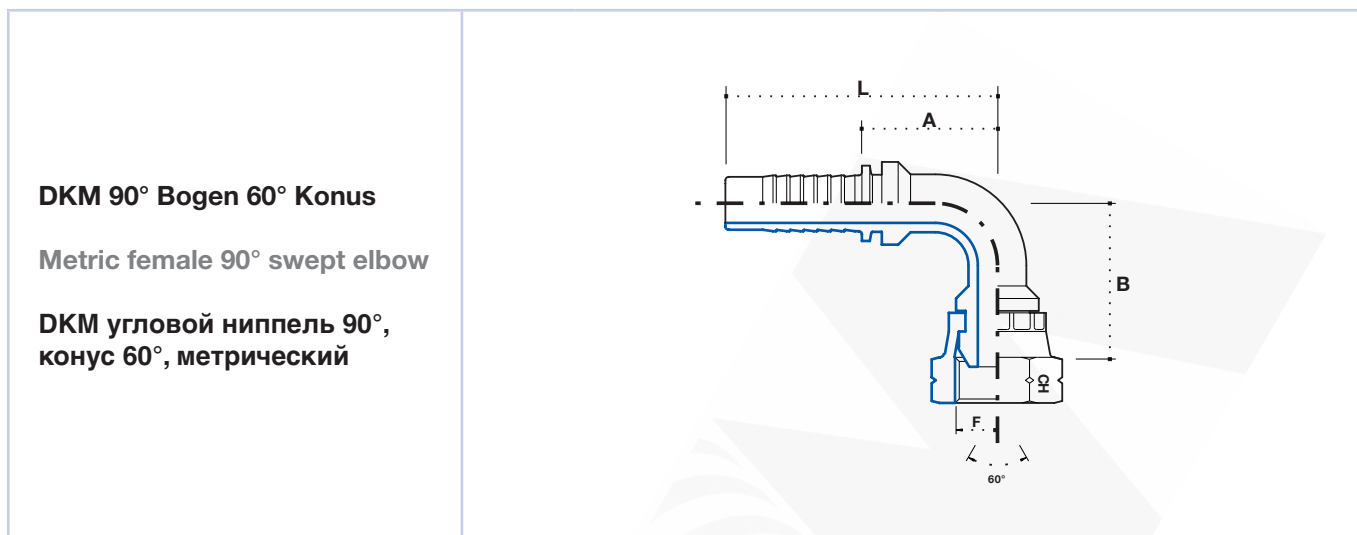
**DKM ниппель, конус 60°, метрический**



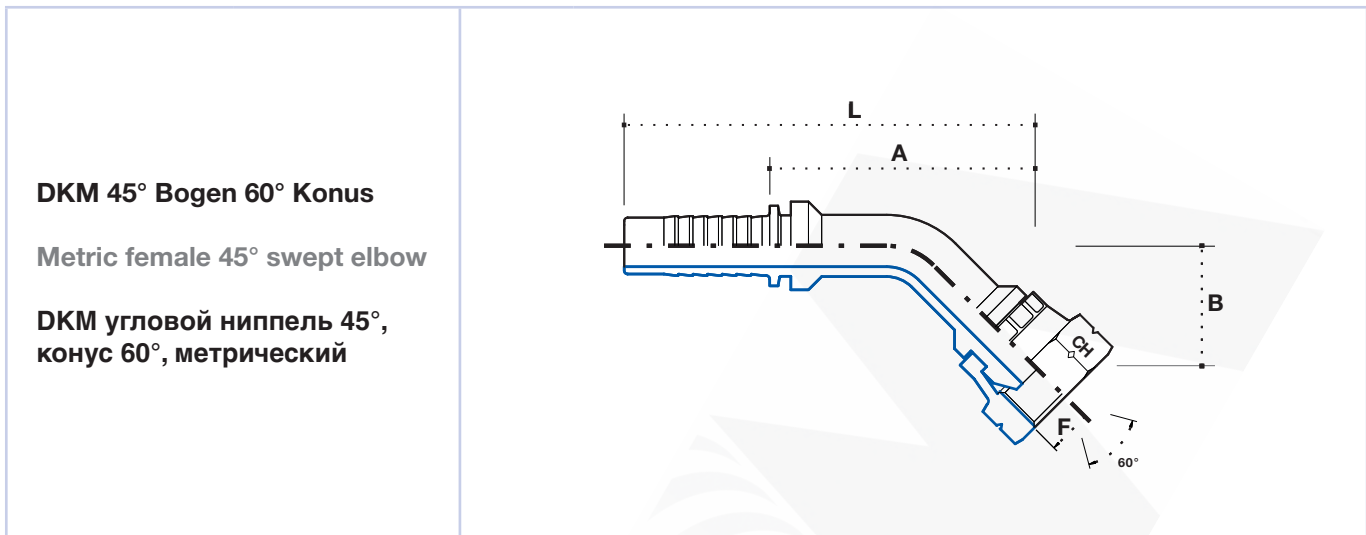
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		-	CH	A	L		
FDM1638	25	1"	16	M38 x 1.5	-	-	46	37	92	10,49
FDM2045	32	1.1/4"	20	M45 x 1.5	-	-	-	-	-	25,82
FDM2452	40	1.1/2"	24	M52 x 1.5	-	-	-	-	-	43,04



Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90M0310	5	3/16"	03	M10 x 1	-	15	29	23	47.5	2,65
F90M0312	5	3/16"	03	M12 x 1.5	-	17	29	23	47.5	2,68
F90M0410	6	1/4"	04	M10 x 1	-	15	29	23	51	2,42
F90M0412	6	1/4"	04	M12 x 1.5	-	17	29	23	51	2,28
F90M0414	6	1/4"	04	M14 x 1.5	-	19	29	23	51	1,63
F90M0416	6	1/4"	04	M16 x 1.5	-	22	32	23	51	2,28
F90M0418	6	1/4"	04	M18 x 1.5	-	24	32	23	51	2,28
F90M0514	8	5/16"	05	M14 x 1.5	-	19	33.5	31.5	59.5	1,82
F90M0516	8	5/16"	05	M16 x 1.5	-	22	35.5	31.5	59.5	2,20
F90M0518	8	5/16"	05	M18 x 1.5	-	24	35.5	31.5	59.5	2,28
F90M0614	10	3/8"	06	M14 x 1.5	-	19	37	33	63	3,22
F90M0616	10	3/8"	06	M16 x 1.5	-	22	38	33	63	2,11
F90M0618	10	3/8"	06	M18 x 1.5	-	24	38	33	63	2,20
F90M0620	10	3/8"	06	M20 x 1.5	-	27	42	33	63	2,96
F90M0622	10	3/8"	06	M22 x 1.5	-	27	42	33	63	2,99
F90M0818	12	1/2"	08	M18 x 1.5	-	24	43	39	72	3,91
F90M0820	12	1/2"	08	M20 x 1.5	-	27	45	39	72	3,31
F90M0822	12	1/2"	08	M22 x 1.5	-	27	45	39	72	2,35
F90M0824	12	1/2"	08	M24 x 1.5	-	30	47	39	72	4,70
F90M0826	12	1/2"	08	M26 x 1.5	-	32	51	39	72	5,36
F90M1026	16	5/8"	10	M26 x 1.5	-	32	56	49	85	5,36
F90M1226	20	3/4"	12	M26 x 1.5	-	32	59	53.5	94.5	5,24
F90M1230	20	3/4"	12	M30 x 1.5	-	34	63	53.5	94.5	9,23



Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90M1638	25	1"	16	M38 x 1.5	-	46	72	73	128	17,61
F90M2045	32	1.1/4"	20	M45 x 1.5	-	-	-	-	-	46,17
F90M2452	40	1.1/2"	24	M52 x 1.5	-	-	-	-	-	73,53

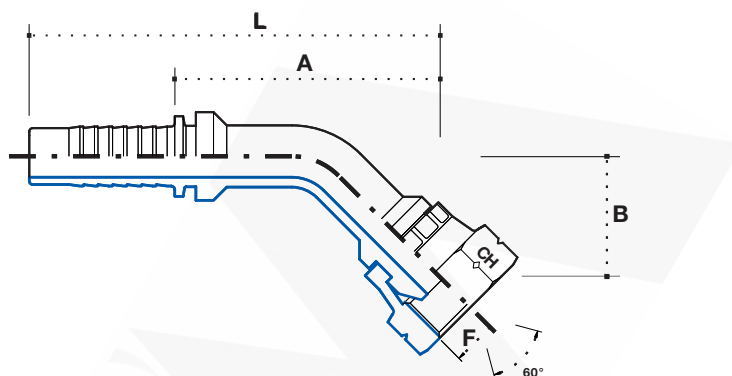


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45M0310	5	3/16"	03	M10 x 1	-	15	17	40	65	2,94
F45M0312	5	3/16"	03	M12 x 1.5	-	17	17	40	65	2,94
F45M0410	6	1/4"	04	M10 x 1	-	15	17	40	68	2,68
F45M0412	6	1/4"	04	M12 x 1.5	-	17	17	40	68	2,51
F45M0414	6	1/4"	04	M14 x 1.5	-	19	17	40	68	1,80
F45M0416	6	1/4"	04	M16 x 1.5	-	22	20	43	71	2,51
F45M0418	6	1/4"	04	M18 x 1.5	-	24	20	43	71	2,51
F45M0514	8	5/16"	05	M14 x 1.5	-	19	17	40	68	2,37
F45M0516	8	5/16"	05	M16 x 1.5	-	22	20	43	71	2,42
F45M0518	8	5/16"	05	M18 x 1.5	-	24	20	43	71	2,51
F45M0614	10	3/8"	06	M14 x 1.5	-	19	20	55	85	3,53
F45M0616	10	3/8"	06	M16 x 1.5	-	22	20	55	85	2,37
F45M0618	10	3/8"	06	M18 x 1.5	-	24	20	55	85	2,42
F45M0620	10	3/8"	06	M20 x 1.5	-	27	23	58	88	3,31
F45M0622	10	3/8"	06	M22 x 1.5	-	27	23	58	88	3,31
F45M0818	12	1/2"	08	M18 x 1.5	-	24	23	65	98	4,30
F45M0820	12	1/2"	08	M20 x 1.5	-	27	23	65	98	3,62
F45M0822	12	1/2"	08	M22 x 1.5	-	27	23	65	98	3,22
F45M0824	12	1/2"	08	M24 x 1.5	-	30	21	66	99	5,16
F45M0826	12	1/2"	08	M26 x 1.5	-	32	21	66	99	5,87
F45M1026	16	5/8"	10	M26 x 1.5	-	32	26	64	100	5,87
F45M1226	20	3/4"	12	M26 x 1.5	-	32	29	63	104	5,81
F45M1230	20	3/4"	12	M30 x 1.5	-	34	31	65	105	10,18

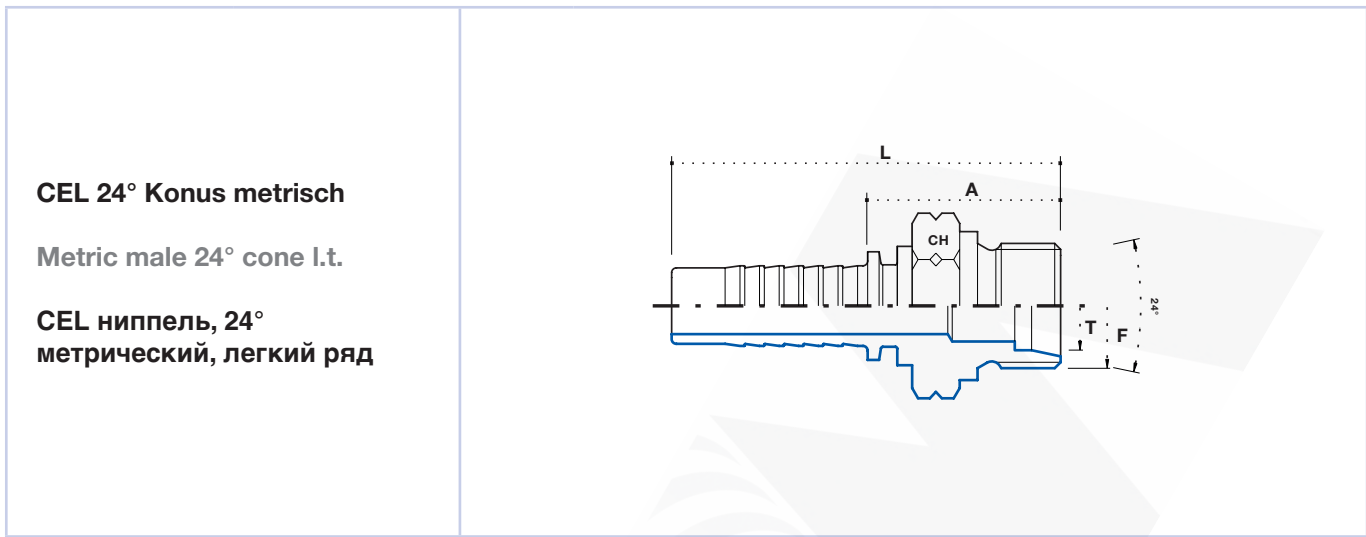
**DKM 45° Bogen 60° Konus**

Metric female 45° swept elbow

DKM угловой ниппель 45°,  
конус 60°, метрический



Artikel Code	Schlauch / Hose			Gewinde / Thread F	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		CH	B	A	L		
F45M1638	25	1"	16	M38 x 1.5	-	46	41	90	145	19,38
F45M2045	32	1.1/4"	20	M45 x 1.5	-	-	-	-	-	50,79
F45M2452	40	1.1/2"	24	M52 x 1.5	-	-	-	-	-	74,87



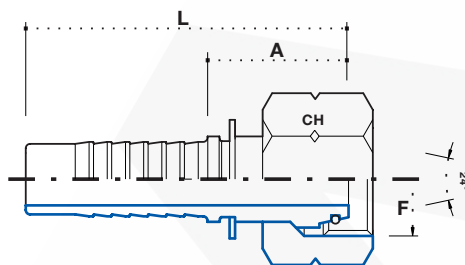
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
ME0312L6	5	3/16"	03	M12 x 1.5	6	-	15	22.5	50	1,04
ME0314L8	5	3/16"	03	M14 x 1.5	8	-	15	23	51	1,77
ME0412L6	6	1/4"	04	M12 x 1.5	6	-	15	23	51	1,04
ME0414L8	6	1/4"	04	M14 x 1.5	8	-	15	23	51	0,85
ME0416L10	6	1/4"	04	M16 x 1.5	10	-	17	25	53	1,09
ME0418L12	6	1/4"	04	M18 x 1.5	12	-	19	26	54	1,48
ME0516L10	8	5/16"	05	M16 x 1.5	10	-	17	25	53	0,86
ME0518L12	8	5/16"	05	M18 x 1.5	12	-	19	26	54	1,25
ME0616L10	10	3/8"	06	M16 x 1.5	10	-	17	25	55	1,06
ME0618L12	10	3/8"	06	M18 x 1.5	12	-	19	25	55.5	0,81
ME0622L15	10	3/8"	06	M22 x 1.5	15	-	24	27	57	1,35
ME0822L15	12	1/2"	08	M22 x 1.5	15	-	24	27.5	60.5	1,12
ME0826L18	12	1/2"	08	M26 x 1.5	18	-	27	27.5	60.5	2,15
ME1026L18	16	5/8"	10	M26 x 1.5	18	-	27	27.5	63.5	1,80
ME1030L22	16	5/8"	10	M30 x 2	22	-	32	31.5	67	3,46
ME1226L18	20	3/4"	12	M26 x 1.5	18	-	27	29	68.5	3,76
ME1230L22	20	3/4"	12	M30 x 2	22	-	32	32	73	2,36
ME1636L28	25	1"	16	M36 x 2	28	-	38	40	92.5	4,52
ME2045L35	32	1.1/4"	20	M45 x 2	35	-	46	41.5	101.5	7,19
ME2452L42	40	1.1/2"	24	M52 x 2	42	-	55	40	107	11,56



**DKO-L Innengewinde mit  
O-ring 24° Konus**

O-ring metric female 24°  
cone i.t.

DKO-L ниппель, конус 24 ° с  
уплотнительным резиновым  
кольцом, метрический, легкий  
ряд.



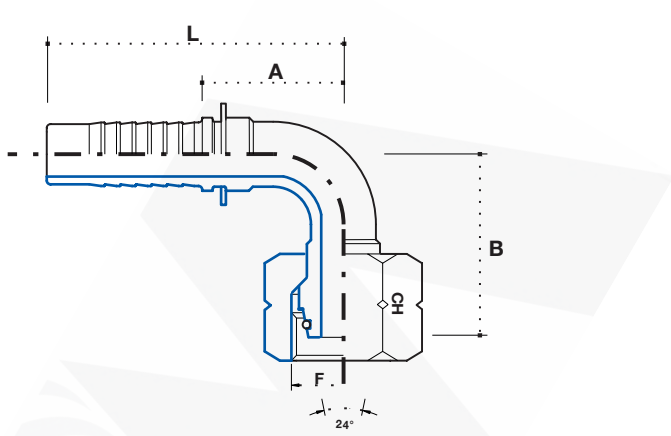
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
FE0312L6	5	3/16"	03	M12 x 1.5	6	-	14	25.5	50	1,57
FE0314L8	5	3/16"	03	M14 x 1.5	8	-	17	25.5	50	1,97
*FE0412L6	6	1/4"	04	M12 x 1.5	6	-	14	21	48.5	1,03
FE0414L8	6	1/4"	04	M14 x 1.5	8	-	17	23.5	53	0,81
FE0416L10	6	1/4"	04	M16 x 1.5	10	-	19	26	54	0,89
FE0418L12	6	1/4"	04	M18 x 1.5	12	-	22	26	54	1,09
FE0516L10	8	5/16"	05	M16 x 1.5	10	-	19	26	54	0,76
FE0518L12	8	5/16"	05	M18 x 1.5	12	-	22	26	54	0,95
*FE0616L10	10	3/8"	06	M16 x 1.5	10	-	19	23.5	53.5	1,97
FE0618L12	10	3/8"	06	M18 x 1.5	12	-	22	26.5	56.5	0,83
FE0622L15	10	3/8"	06	M22 x 1.5	15	-	27	27	57	1,51
FE0822L15	12	1/2"	08	M22 x 1.5	15	-	27	27.5	60.5	1,20
FE0826L18	12	1/2"	08	M26 x 1.5	18	-	32	28	61	1,77
FE1026L18	16	5/8"	10	M26 x 1.5	18	-	32	30	64	1,71
FE1030L22	16	5/8"	10	M30 x 2	22	-	36	31	66.5	3,39
FE1226L18	20	3/4"	12	M26 x 1.5	18	-	-	-	-	4,36
FE1230L22	20	3/4"	12	M30 x 2	22	-	36	31	72	2,52
FE1636L28	25	1"	16	M36 x 2	28	-	41	33.5	88.5	3,98
FE2045L35	32	1.1/4"	20	M45 x 2	35	-	50	38.5	99	6,88
FE2452L42	40	1.1/2"	24	M52 x 2	42	-	60	39	109.5	12,27

\* Gekrimpte Mutter / Crimping nut

**DKO-L 90° Bogen Innengewinde mit O-ring 24° Konus**

90° O-ring metric swept elbow 24° cone I.t.

DKO-L угловой ниппель 90°, конус 24° с уплотнительным резиновым кольцом, метрический, легкий ряд



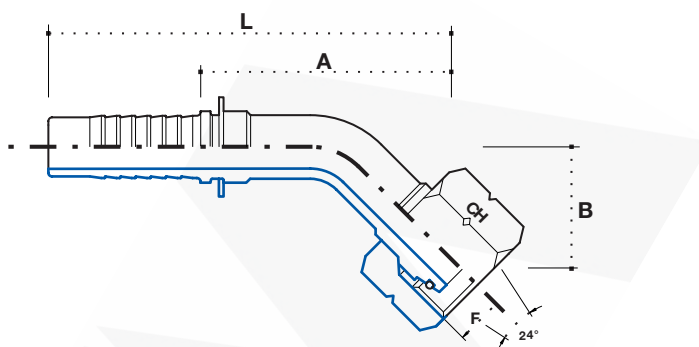
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F90E0312L6	5	3/16"	03	M12 x 1.5	6	14	31.5	29.5	53.5	2,82
F90E0314L8	5	3/16"	03	M14 x 1.5	8	17	31.5	29.5	53.5	3,53
*F90E0412L6	6	1/4"	04	M12 x 1.5	6	14	31.5	29.5	57	2,05
F90E0414L8	6	1/4"	04	M14 x 1.5	8	17	31.5	29.5	57	1,57
F90E0416L10	6	1/4"	04	M16 x 1.5	10	19	32.5	29	56.5	1,63
F90E0418L12	6	1/4"	04	M18 x 1.5	12	22	30.5	27	55	2,68
F90E0516L10	8	5/16"	05	M16 x 1.5	10	19	32.5	31	59	1,68
F90E0518L12	8	5/16"	05	M18 x 1.5	12	22	37	29	57	1,88
*F90E0616L10	10	3/8"	06	M16 x 1.5	10	19	38	33	63	3,28
F90E0618L12	10	3/8"	06	M18 x 1.5	12	22	37.5	35.5	65	1,72
F90E0622L15	10	3/8"	06	M22 x 1.5	15	27	42	34	64	3,14
F90E0822L15	12	1/2"	08	M22 x 1.5	15	27	44	39.5	72	2,48
F90E0826L18	12	1/2"	08	M26 x 1.5	18	32	46.5	39.5	72	4,56
F90E1026L18	16	5/8"	10	M26 x 1.5	18	32	50.5	48.5	84	3,56
F90E1030L22	16	5/8"	10	M30 x 2	22	36	53	48.5	84	7,84
F90E1226L18	20	3/4"	12	M26 x 1.5	18	-	-	-	-	16,26
F90E1230L22	20	3/4"	12	M30 x 2	22	36	55.5	56.5	97	4,99
F90E1636L28	25	1"	16	M36 x 2	28	41	72.5	73	127	9,41
F90E2045L35	32	1.1/4"	20	M45 x 2	35	50	86.5	92	152	15,61
F90E2452L42	40	1.1/2"	24	M52 x 2	42	60	94	99	170	30,12

\* Gekrimpte Mutter / Crimping nut

**DKO-L 45° Bogen Innengewinde mit O-ring 24° Konus**

45° O-ring metric swept elbow  
24° cone l.t.

DKO-L угловой ниппель 45°,  
конус 24° с уплотнительным  
резиновым кольцом,  
метрический, легкий ряд



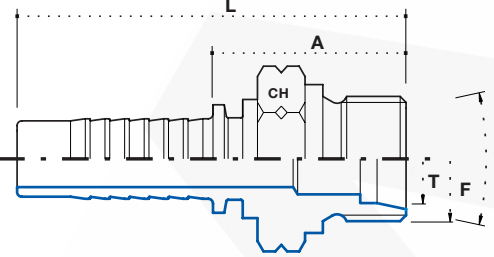
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F45E0312L6	5	3/16"	03	M12 x 1.5	6	14	15	37	65	3,11
F45E0314L8	5	3/16"	03	M14 x 1.5	8	17	15	37	65	3,88
*F45E0412L6	6	1/4"	04	M12 x 1.5	6	14	17	40	68	4,65
F45E0414L8	6	1/4"	04	M14 x 1.5	8	17	17	50	78	1,71
F45E0416L10	6	1/4"	04	M16 x 1.5	10	19	17	48.5	76	1,80
F45E0418L12	6	1/4"	04	M18 x 1.5	12	22	17	48.5	76	2,94
F45E0516L10	8	5/16"	05	M16 x 1.5	10	19	17	52.5	80	1,68
F45E0518L12	8	5/16"	05	M18 x 1.5	12	22	20	50	78	1,93
*F45E0616L10	10	3/8"	06	M16 x 1.5	10	19	20	55	85	3,62
F45E0618L12	10	3/8"	06	M18 x 1.5	12	22	17	57	86.5	1,77
F45E0622L15	10	3/8"	06	M22 x 1.5	15	27	19	59	88.5	3,45
F45E0822L15	12	1/2"	08	M22 x 1.5	15	27	22	64	97	2,48
F45E0826L18	12	1/2"	08	M26 x 1.5	18	32	26	65	98	5,02
F45E1026L18	16	5/8"	10	M26 x 1.5	18	32	28	61.5	97	3,73
F45E1030L22	16	5/8"	10	M30 x 2	22	36	30	63.5	99	8,61
F45E1226L18	20	3/4"	12	M26 x 1.5	-	-	-	-	-	16,27
F45E1230L22	20	3/4"	12	M30 x 2	22	36	27	63	103.5	4,74
F45E1636L28	25	1"	16	M36 x 2	28	41	38.5	85.5	140	10,35
F45E2045L35	32	1.1/4"	20	M45 x 2	35	50	35	104.5	164.5	16,09
F45E2452L42	40	1.1/2"	24	M52 x 2	42	60	45	119	189	31,62

\* Gekrimpte Mutter / Crimping nut

**CES metrisch 24° Konus**

**Metric male 24° cone h.t.**

**СЕС ниппель, конус 24°, метрический, тяжёлый ряд**

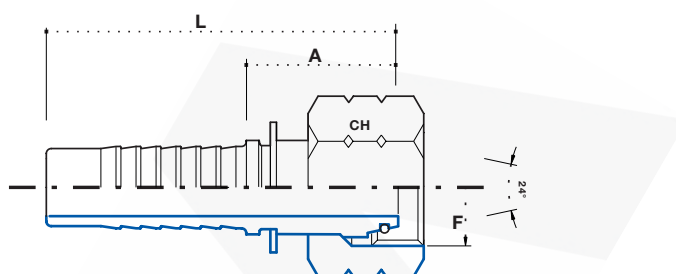


Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
ME0314S6	5	3/16"	03	M14 x 1.5	6	-	14	24	50	3,36
ME0316S8	5	3/16"	03	M16 x 1.5	8	-	17	25	50	1,65
ME0414S6	6	1/4"	04	M14 x 1.5	6	-	14	24	53	1,48
ME0416S8	6	1/4"	04	M16 x 1.5	8	-	17	25	53	1,29
ME0418S10	6	1/4"	04	M18 x 1.5	10	-	19	25	53	1,31
ME0420S12	6	1/4"	04	M20 x 1.5	12	-	22	27	55	1,97
ME0518S10	8	5/16"	05	M18 x 1.5	10	-	19	25	53	1,74
ME0520S12	8	5/16"	05	M20 x 1.5	12	-	22	26.5	55	1,08
ME0618S10	10	3/8"	06	M18 x 1.5	10	-	19	26	55	1,54
ME0620S12	10	3/8"	06	M20 x 1.5	12	-	22	27	57	1,18
ME0622S14	10	3/8"	06	M22 x 1.5	14	-	24	29	59.5	1,08
ME0822S14	12	1/2"	08	M22 x 1.5	14	-	24	30	63	1,66
ME0824S16	12	1/2"	08	M24 x 1.5	16	-	27	31	64	1,28
ME1030S20	16	5/8"	10	M30 x 2	20	-	32	33	69	2,13
ME1230S20	20	3/4"	12	M30 x 2	20	-	32	34	75	2,68
ME1236S25	20	3/4"	12	M36 x 2	25	-	38	36	76.5	3,37
ME1636S25	25	1"	16	M36 x 2	25	-	38	38.5	93.5	5,42
ME1642S30	25	1"	16	M42 x 2	30	-	46	42	96	5,74
ME2042S30	32	1.1/4"	20	M42 x 2	30	-	46	42	103	18,38
ME2052S38	32	1.1/4"	20	M52 x 2	38	-	55	46	105	9,64
ME2452S38	40	1.1/2"	24	M52 x 2	38	-	55	46	117	29,58

**DKO-S Innengewinde mit  
O-ring 24° Konus**

O-ring metric female 24°  
cone h.t.

DKO-S ниппель, конус 24° с  
уплотнительным резиновым  
кольцом, метрический  
тяжёлый ряд

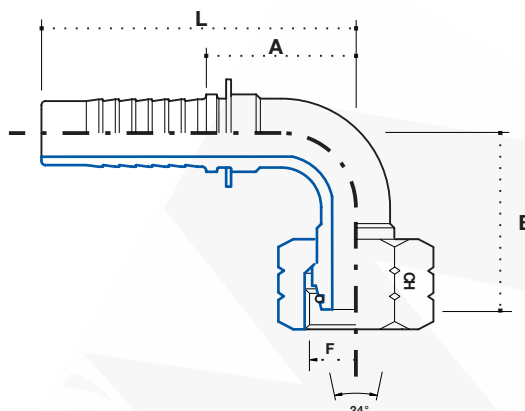


Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
FE0314S6	5	3/16"	03	M14 x 1.5	6	-	17	25.5	50	2,99
FE0316S8	5	3/16"	03	M16 x 1.5	8	-	19	25.5	50	2,05
FE0414S6	6	1/4"	04	M14 x 1.5	6	-	17	25.5	53	0,80
FE0416S8	6	1/4"	04	M16 x 1.5	8	-	19	26	54	1,06
FE0418S10	6	1/4"	04	M18 x 1.5	10	-	22	26	54	1,10
FE0420S12	6	1/4"	04	M20 x 1.5	12	-	24	26	54	1,60
FE0518S10	8	5/16"	05	M18 x 1.5	10	-	22	26.5	54.5	1,28
FE0520S12	8	5/16"	05	M20 x 1.5	12	-	24	26	54	1,09
FE0618S10	10	3/8"	06	M18 x 1.5	10	-	22	26.5	56.5	2,28
FE0620S12	10	3/8"	06	M20 x 1.5	12	-	24	26.5	54.5	1,14
FE0622S14	10	3/8"	06	M22 x 1.5	14	-	27	27	57	1,40
FE0822S14	12	1/2"	08	M22 x 1.5	14	-	27	27.5	60.5	2,07
FE0824S16	12	1/2"	08	M24 x 1.5	16	-	30	32	65	1,64
FE1030S20	16	5/8"	10	M30 x 2	20	-	36	37	73	2,33
FE1230S20	10	3/4"	12	M30 x 2	20	-	36	37.5	78.5	3,68
FE1236S25	20	3/4"	12	M36 x 2	25	-	46	38.5	79.5	3,96
FE1636S25	25	1"	16	M36 x 2	25	-	46	39.5	94.5	6,27
FE1642S30	25	1"	16	M42 x 2	30	-	50	40.5	95.5	6,19
FE2042S30	32	1.1/4"	20	M42 x 2	30	-	50	41.5	102	14,08
FE2052S38	32	1.1/4"	20	M52 x 2	38	-	60	47	107.5	11,45
FE2452S38	40	1.1/2"	24	M52 x 2	38	-	60	47	118	25,05

**DKO-S 90° Bogen Innengewinde mit O-ring 24° Konus**

90° O-ring metric swept elbow 24° cone h.t.

DKO-S угловой ниппель 90°, конус 24° с уплотнительным резиновым кольцом, тяжёлый ряд



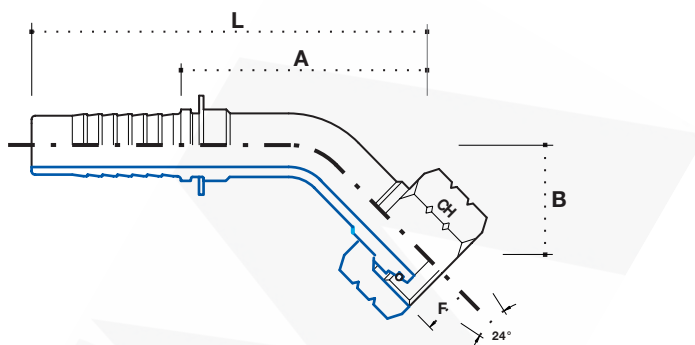
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F90E0314S6	5	3/16"	03	M14 x 1.5	6	17	31.5	29.5	53.5	5,47
F90E0316S8	5	3/16"	03	M16 x 1.5	8	19	31.5	29.5	53.5	8,61
*F90E0414S6	6	1/4"	04	M14 x 1.5	6	17	31.5	29.5	57	3,59
F90E0416S8	6	1/4"	04	M16 x 1.5	8	19	31.5	29.5	57	1,88
F90E0418S10	6	1/4"	04	M18 x 1.5	10	22	32.5	29	56.5	2,20
F90E0420S12	6	1/4"	04	M20 x 1.5	12	24	30.5	27	55	3,53
F90E0518S10	8	5/16"	05	M18 x 1.5	10	22	32.5	31	59	3,34
F90E0520S12	8	5/16"	05	M20 x 1.5	12	24	37	29	57	2,20
*F90E0618S10	10	3/8"	06	M18 x 1.5	10	22	38	33	63	4,70
F90E0620S12	10	3/8"	06	M20 x 1.5	12	24	37.5	35.5	65	2,28
F90E0622S14	10	3/8"	06	M22 x 1.5	14	27	42	34	64	3,02
F90E0822S14	12	1/2"	08	M22 x 1.5	14	27	44	39.5	72	4,70
F90E0824S16	12	1/2"	08	M24 x 1.5	16	30	45	39.5	72	2,99
F90E1030S20	16	5/8"	10	M30 x 2	20	36	56	48.5	84	2,79
F90E1230S20	20	3/4"	12	M30 x 2	20	36	59	56.5	97	6,10
F90E1236S25	20	3/4"	12	M36 x 2	25	46	59	56.5	97	7,13
F90E1636S25	25	1"	16	M36 x 2	25	46	75	73	127	12,54
F90E1642S30	25	1"	16	M42 x 2	30	50	75	73	127	11,23
F90E2042S30	32	1.1/4"	20	M42 x 2	30	50	86	92	152	25,22
F90E2052S38	32	1.1/4"	20	M52 x 2	38	60	86	92	152	23,95
F90E2452S38	40	1.1/2"	24	M52 x 2	38	60	94	99	170	54,77

\* Gekrimpte Mutter / Crimping nut

**DKO-S 45° Bogen Innengewinde mit O-ring 24° Konus**

45° O-ring metric swept elbow  
24° cone h.t.

DKO-S угловой ниппель 45°,  
конус 24° с уплотнительным  
резиновым кольцом, тяжёлый  
ряд



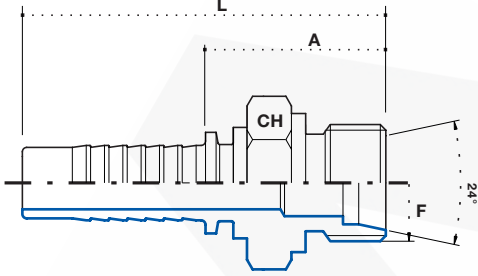
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F45E0314S6	5	3/16"	03	M14 x 1.5	6	17	15	37	65	6,04
F45E0316S8	5	3/16"	03	M16 x 1.5	8	19	15	37	65	9,46
*F45E0414S6	6	1/4"	04	M14 x 1.5	6	17	17	40	68	3,96
F45E0416S8	6	1/4"	04	M16 x 1.5	8	19	17	50	78	2,05
F45E0418S10	6	1/4"	04	M18 x 1.5	10	22	17	48.5	76	2,42
F45E0420S12	6	1/4"	04	M20 x 1.5	12	24	17	48.5	76	3,88
*F45E0518S10	8	5/16"	05	M18 x 1.5	10	22	17	52.5	80	3,88
F45E0520S12	8	5/16"	05	M20 x 1.5	12	24	20	50	78	2,40
F45E0618S10	10	3/8"	06	M18 x 1.5	10	22	20	55	85	5,16
F45E0620S12	10	3/8"	06	M20 x 1.5	12	24	17	57	86.5	2,44
F45E0622S14	10	3/8"	06	M22 x 1.5	14	27	19	59	88.5	2,94
F45E0822S14	12	1/2"	08	M22 x 1.5	14	27	22	65	98	5,16
F45E0824S16	12	1/2"	08	M24 x 1.5	16	30	22	66.5	99	3,21
F45E1030S20	16	5/8"	10	M30 x 2	20	36	26	64.5	100	4,66
F45E1230S20	20	3/4"	12	M30 x 2	20	36	27	64	104.5	6,73
F45E1236S25	20	3/4"	12	M36 x 2	25	46	28	70	110	6,71
F45E1636S25	25	1"	16	M36 x 2	25	46	38	88.5	143	13,48
F45E1642S30	25	1"	16	M42 x 2	30	50	38	89	144	12,91
F45E2042S30	32	1.1/4"	20	M42 x 2	30	50	35	104.5	164.5	27,17
F45E2052S38	32	1.1/4"	20	M52 x 2	38	60	35	104.5	164.5	27,13
F45E2452S38	40	1.1/2"	24	M52 x 2	38	60	45	119	189	60,25

\* Gekrimpte Mutter / Crimping nut

**AGF 24° Innenkonus  
(französische Serie)**

Metric male 24° french type

AGF ниппель, внутренний конус 24°, французкий тип



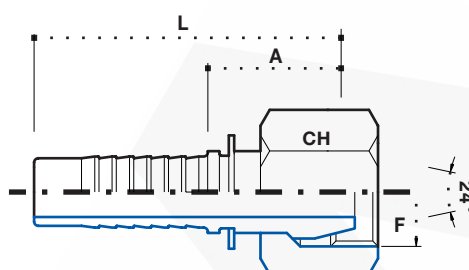
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
ME0413F	6	1/4"	04	M20x1.5	13	-	22	26.7	55.2	26,73
ME0513F	8	5/16"	05	M20x1.5	13	-	22	26.7	55.2	26,73
ME0613F	10	3/8"	06	M20x1.5	13	-	22	26.7	57.2	5,10
ME0617F	10	3/8"	06	M24x1.5	17	-	27	30.2	60.7	27,39
ME0817F	12	1/2"	08	M24x1.5	17	-	27	30.7	63.7	4,30
ME0821F	12	1/2"	08	M30x1.5	21	-	32	31.2	64.2	28,42
ME1021F	16	5/8"	10	M30x1.5	21	-	32	31.2	67.2	5,87
ME1221F	20	3/4"	12	M30x1.5	21	-	32	31.7	73.2	23,48
ME1227F	20	3/4"	12	M36x1.5	27	-	38	31.7	73.2	25,28
ME1633F	25	1"	16	M45x1.5	33	-	46	37.2	92.2	30,21
ME2033F	32	1.1/4"	20	M45x1.5	33	-	46	38.2	99.2	33,57



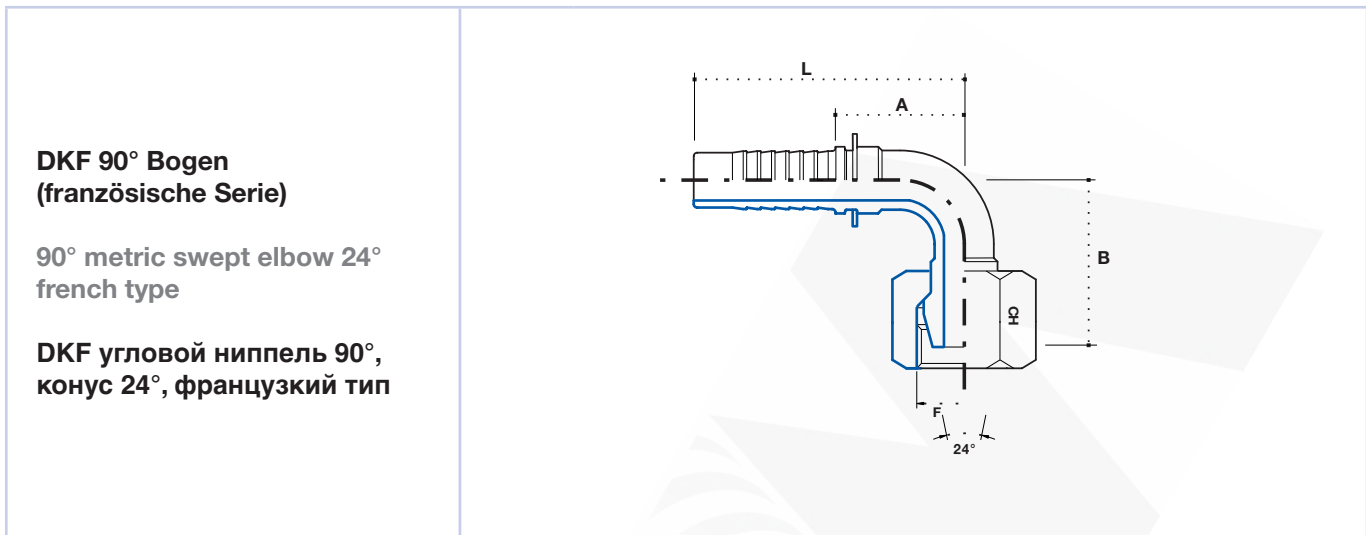
**DKM mit 24° Konus  
(französische Serie)**

Metric female 24° french type

DKM ниппель, конус 24°,  
французкий тип



Artikel Code	Schlauch / Hose			Gewinde / Thread F	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		-	CH	A	L		
FE0413F	6	1/4"	04	M20 x 1.5	-	-	24	23.5	51.5	3,08
FE0513F	8	5/16"	05	M20 x 1.5	-	-	24	23.5	51.5	1,54
FE0613F	10	3/8"	06	M20 x 1.5	-	-	24	23.5	53.5	1,43
FE0617F	10	3/8"	06	M24 x 1.5	-	-	30	27	57	2,99
FE0817F	12	1/2"	08	M24 x 1.5	-	-	30	27.5	60.5	2,42
FE0821F	12	1/2"	08	M30 x 1.5	-	-	36	31	64	11,29
FE1021F	16	5/8"	10	M30 x 1.5	-	-	36	31	67	4,76
FE1221F	20	3/4"	12	M30 x 1.5	-	-	36	31.5	72.5	12,20
FE1227F	20	3/4"	12	M36 x 1.5	-	-	41	34	75	12,31
FE1633F	25	1"	16	M45 x 1.5	-	-	50	34	89	17,98
FE2033F	32	1.1/4"	20	M45 x 1.5	-	-	50	34	95	28,99

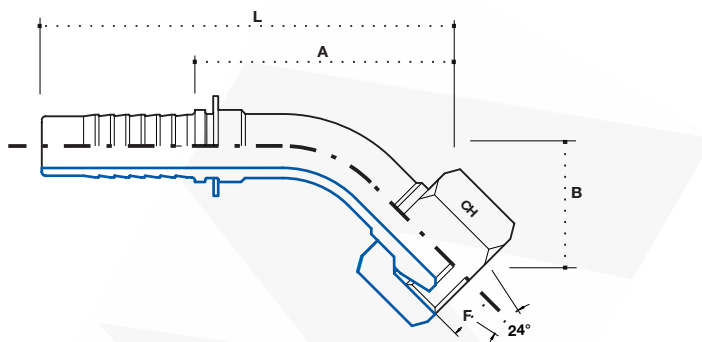


Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F90E0413F	6	1/4"	04	M20x1.5	-	24	32.5	27	55	4,20
F90E0513F	8	5/16"	05	M20x1.5	-	24	39	29	57	3,19
F90E0613F	10	3/8"	06	M20x1.5	-	24	39.5	35.5	65	3,19
F90E0617F	10	3/8"	06	M24x1.5	-	30	48	36	69	6,73
F90E0817F	12	1/2"	08	M24x1.5	-	30	48	39.5	72	3,71
F90E0821F	12	1/2"	08	M30x1.5	-	36	61	45.5	81	13,39
F90E1021F	16	5/8"	10	M30x1.5	-	36	61	48.5	84	6,93
F90E1221F	20	3/4"	12	M30x1.5	-	36	64	56.5	97	8,29
F90E1227F	20	3/4"	12	M36x1.5	-	41	64	56.5	97	8,01
F90E1633F	25	1"	16	M45x1.5	-	50	91	86	146	43,63
F90E2033F	32	1.1/4"	20	M45x1.5	-	50	91	92	152	59,37

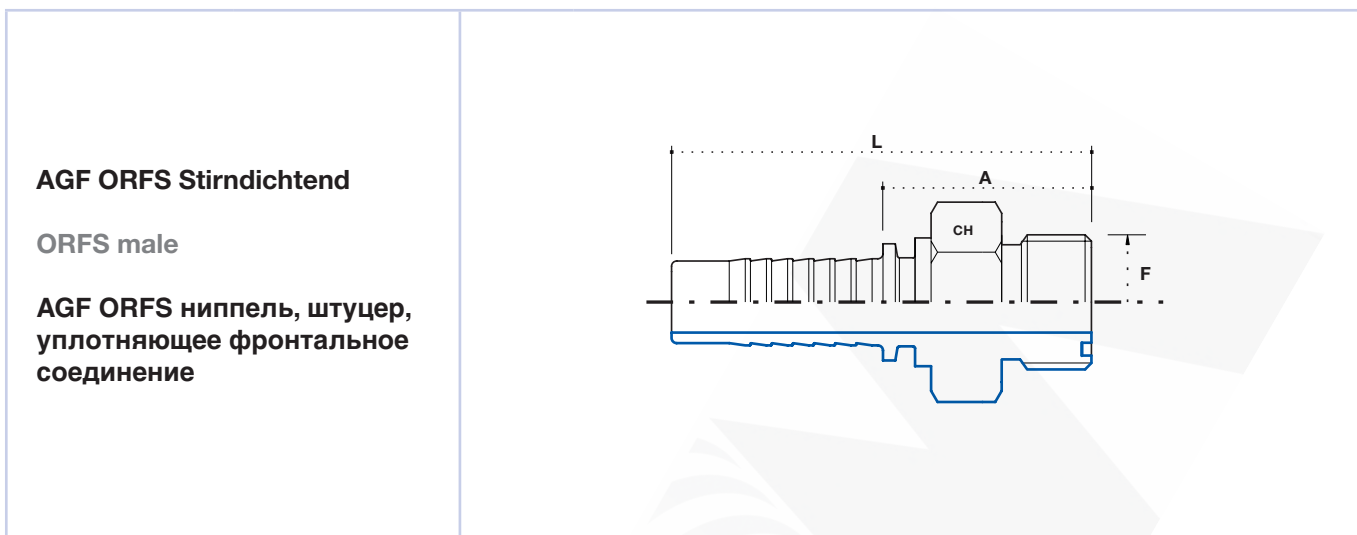
**DKF 45° Bogen  
(französische Serie)**

45° metric swept elbow 24°  
french type

DKF угловой ниппель 45°,  
конус 24°, французский тип



Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
F45E0413F	6	1/4"	04	M20 x 1.5	-	24	18.5	50	77.5	4,59
F45E0513F	8	5/16"	05	M20 x 1.5	-	24	21	52	79	3,19
F45E0613F	10	3/8"	06	M20 x 1.5	-	24	18.5	58.5	88	3,19
F45E0617F	10	3/8"	06	M24 x 1.5	-	30	24	65.5	98	7,41
F45E0817F	12	1/2"	08	M24 x 1.5	-	30	24	68.5	101	4,45
F45E0821F	12	1/2"	08	M30 x 1.5	-	36	29	68	102	18,04
F45E1021F	16	5/8"	10	M30 x 1.5	-	36	29	68	103.5	6,93
F45E1221F	20	3/4"	12	M30 x 1.5	-	36	30	69	108	9,12
F45E1227F	20	3/4"	12	M36 x 1.5	-	41	31	73	113	9,43
F45E1633F	25	1"	16	M45 x 1.5	-	50	36	101	161	47,99
F45E2033F	32	1.1/4"	20	M45 x 1.5	-	50	38	107	167	65,47

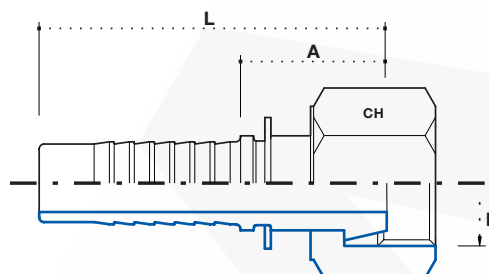


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
MORFS0406	6	1/4"	04	9/16" - 18	-	-	17	24	52	2,51
MORFS0409	6	1/4"	04	11/16" - 16	-	-	19	27.5	55.5	4,16
MORFS0509	8	5/16"	05	11/16" - 16	-	-	19	27.5	55.5	4,70
MORFS0609	10	3/8"	06	11/16" - 16	-	-	19	27.5	57.5	3,17
MORFS0611	10	3/8"	06	13/16" - 16	-	-	22	30.5	60.5	4,70
MORFS0613	10	3/8"	06	1" - 14	-	-	27	33.5	63.5	6,01
MORFS0811	12	1/2"	08	13/16" - 16	-	-	27	34	67	3,91
MORFS0813	12	1/2"	08	1" - 14	-	-	27	31.5	67	5,95
MORFS0814	12	1/2"	08	1.3/16" - 12	-	-	32	36	68.5	14,88
MORFS1013	16	5/8"	10	1" - 14	-	-	27	34	70	5,96
MORFS1014	16	5/8"	10	1.3/16" - 12	-	-	32	37	73	18,78
MORFS1214	20	3/4"	12	1.3/16" - 12	-	-	32	38	79	8,61
MORFS1215	20	3/4"	12	1.7/16" - 12	-	-	41	38.5	79.5	21,12
MORFS1615	25	1"	16	1.7/16" - 12	-	-	41	39.5	94	13,45
MORFS2021	32	1.1/4"	20	1.11/16" - 12	-	-	46	40	101	21,12
MORFS2432	40	1.1/2"	24	2" - 12	-	-	55	43	114	41,95

**ORFS - UNF Gewinde**

**ORFS straight female**

**Ниппель ORFS -UNF резьба**

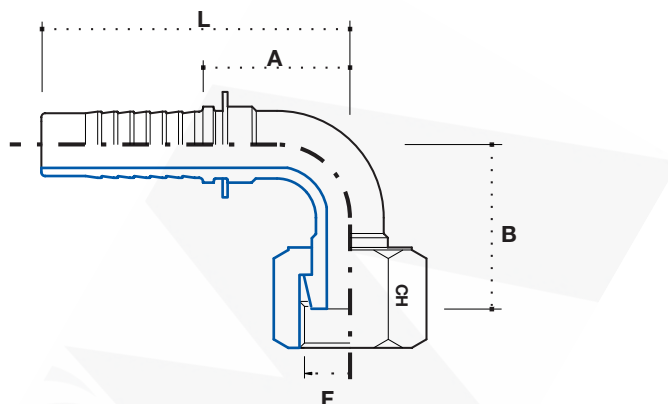


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
FORFS0406	6	1/4"	04	9/16" - 18	-	-	17	20.5	48.5	1,31
FORFS0409	6	1/4"	04	11/16" - 16	-	-	22	23	51	2,17
FORFS0509	8	5/16"	05	11/16" - 16	-	-	22	23	51	2,48
FORFS0609	10	3/8"	06	11/16" - 16	-	-	22	23.5	53.5	1,65
FORFS0611	10	3/8"	06	13/16" - 16	-	-	24	26	56	2,48
FORFS0811	12	1/2"	08	13/16" - 16	-	-	24	26.5	59.5	2,05
FORFS0813	12	1/2"	08	1" - 14	-	-	30	30	63	3,16
FORFS0814	12	1/2"	08	1.3/16" - 12	-	-	36	32.5	65	7,81
FORFS1013	16	5/8"	10	1" - 14	-	-	30	30	66	3,14
FORFS1014	16	5/8"	10	1.3/16" - 12	-	-	36	32	68.5	9,86
FORFS1214	20	3/4"	12	1.3/16" - 12	-	-	36	33	74	4,53
FORFS1215	20	3/4"	12	1.7/16" - 12	-	-	41	34	75	11,09
FORFS1615	25	1"	16	1.7/16" - 12	-	-	41	35	90	7,07
FORFS2021	32	1.1/4"	20	1.11/16" - 12	-	-	50	35.5	96	11,09
FORFS2432	40	1.1/2"	24	2" - 12	-	-	60	37	108	22,03

**DK 90° Bogen ORFS UNF  
Stirndichtend**

90° ORFS female

**DK угловой ниппель 90°, ORFS  
– UNF резьба, уплотняющее  
фронтальное соединение**

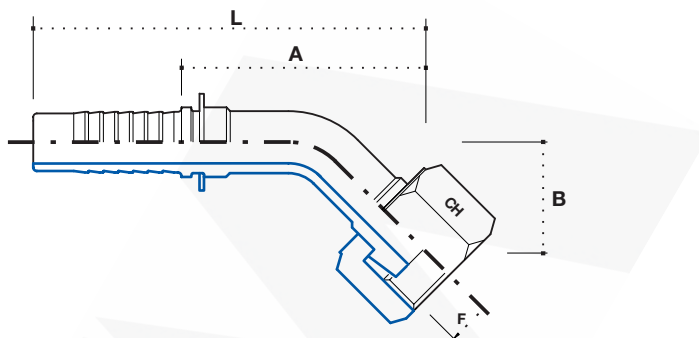


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F90ORFS0406	6	1/4"	04	9/16" - 18	-	17	29.5	28	56	2,48
F90ORFS0409	6	1/4"	04	11/16" - 16	-	22	30	28	56	3,36
F90ORFS0509	8	5/16"	05	11/16" - 16	-	22	29	29	56.5	4,02
F90ORFS0609	10	3/8"	06	11/16" - 16	-	22	29	36	66	2,54
F90ORFS0611	10	3/8"	06	13/16" - 16	-	24	32	34	64	3,88
F90ORFS0811	12	1/2"	08	13/16" - 16	-	24	36	37.5	70.5	3,53
F90ORFS0813	12	1/2"	08	1" - 14	-	30	39	39	72	14,54
F90ORFS0814	12	1/2"	08	1.3/16" - 12	-	36	41	38	71	15,19
F90ORFS1013	16	5/8"	10	1" - 14	-	30	43.5	51.5	87.5	6,50
F90ORFS1014	16	5/8"	10	1.3/16" - 12	-	36	48	46.5	82.5	16,02
F90ORFS1214	20	3/4"	12	1.3/16" - 12	-	36	49	56	96.5	7,33
F90ORFS1215	20	3/4"	12	1.7/16" - 12	-	41	54	56.5	97	22,03
F90ORFS1615	25	1"	16	1.7/16" - 12	-	41	59.5	74	129	11,00
F90ORFS2021	32	1.1/4"	20	1.11/16" - 12	-	50	75.5	90	150.5	25,48
F90ORFS2432	40	1.1/2"	24	2" - 12	-	60	84	99	170	34,17

**DK 45° Bogen ORFS UNF  
Stirndichtend**

45° ORFS female

DK угловой ниппель 45°, ORFS  
– UNF резьба, уплотняющее  
фронтальное соединение

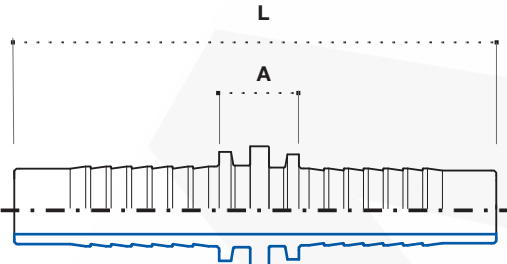


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
F45ORFS0406	6	1/4"	04	9/16" - 18	-	17	15	45	73	2,71
F45ORFS0409	6	1/4"	04	11/16" - 16	-	22	15.5	45.5	73.5	3,71
F45ORFS0509	8	5/16"	05	11/16" - 16	-	22	15.5	46	74	4,45
F45ORFS0609	10	3/8"	06	11/16" - 16	-	22	13	51	81	2,79
F45ORFS0611	10	3/8"	06	13/16" - 16	-	24	17	52	82	4,28
F45ORFS0811	12	1/2"	08	13/16" - 16	-	24	18	58	91	3,88
F45ORFS0813	12	1/2"	08	1" - 14	-	30	20	61	94	15,93
F45ORFS0814	12	1/2"	08	1.3/16" - 12	-	36	24	62	95	16,67
F45ORFS1013	16	5/8"	10	1" - 14	-	30	20	55	91	7,15
F45ORFS1014	16	5/8"	10	1.3/16" - 12	-	36	21	57	93	17,59
F45ORFS1214	20	3/4"	12	1.3/16" - 12	-	36	23	58	98	8,07
F45ORFS1215	20	3/4"	12	1.7/16" - 12	-	41	27	62.5	103	24,23
F45ORFS1615	25	1"	16	1.7/16" - 12	-	41	26	81	136	12,08
F45ORFS2021	32	1.1/4"	20	1.11/16" - 12	-	50	34	93	152.5	28,02
F45ORFS2432	40	1.1/2"	24	2" - 12	-	60	45	112	182	37,54

**Verbindungsniessel**

Double connector

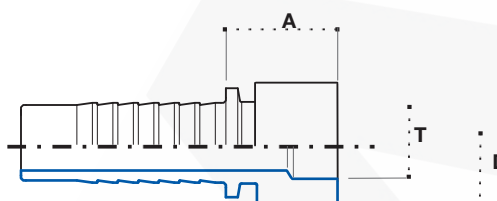
Двойной соединительный ниппель



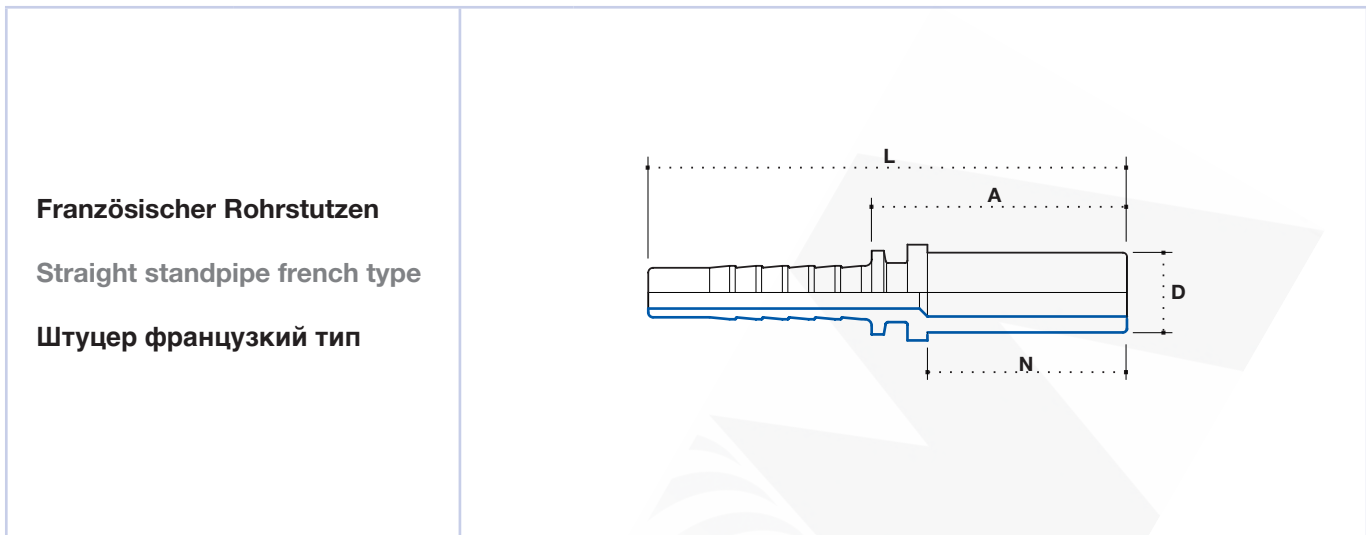
Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		-	-	A	L		
GD04	6	1/4"	04	-	-	-	-	14	70	5,07
GD05	8	5/16"	05	-	-	-	-	14	70	4,76
GD06	10	3/8"	06	-	-	-	-	15	75	1,85
GD08	12	1/2"	08	-	-	-	-	20	86	2,65
GD10	16	5/8"	10	-	-	-	-	16	88	3,93
GD12	20	3/4"	12	-	-	-	-	18	100	5,56
GD16	25	1"	16	-	-	-	-	20	130	10,35
GD20	32	1.1/4"	20	-	-	-	-	21	143	14,42



**Schweisnippel**  
**Lifesaver insert**  
**Сварочный ниппель**



Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size		-	T	A	D	
CS03	5	3/16"	03	-	-	-	-	-	0,83
CS04	6	1/4"	04	-	-	-	-	-	0,51
CS04T8	6	1/4"	04	-	-	8	-	-	0,60
CS05	8	5/16"	05	-	-	-	-	-	0,71
CS06	10	3/8"	06	-	-	-	-	-	0,60
CS06T10	10	3/8"	06	-	-	10	14	16	0,68
CS06T12	10	3/8"	06	-	-	12	14	16	0,68
CS08	12	1/2"	08	-	-	-	16	20	0,91
CS08T14	12	1/2"	08	-	-	14	16	20	1,06
CS08T15	12	1/2"	08	-	-	15	16	20	1,06
CS08T16	12	1/2"	08	-	-	16	16	20	1,06
CS10	16	5/8"	10	-	-	-	18	24	1,17
CS12	20	3/4"	12	-	-	-	15	26	1,43
CS16	25	1"	16	-	-	-	22	32	2,45
CS20	32	1.1/4"	20	-	-	-	-	-	4,56
CS24	40	1.1/2"	24	-	-	-	-	-	8,78
CS32	50	2"	32	-	-	-	-	-	15,19

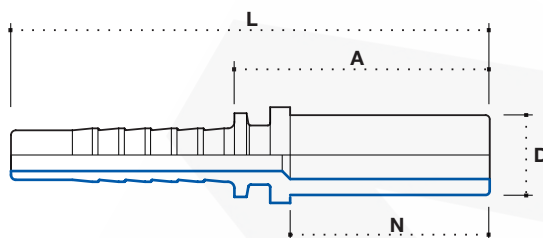


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	N	A	L	
PDL0413F	6	1/4"	04	-	-	13	22	29.5	58	26,16
PDL0513F	8	5/16"	05	-	-	13	22	29.5	58	26,16
PDL0613F	10	3/8"	06	-	-	13	22	29.5	60	19,24
PDL0617F	10	3/8"	06	-	-	17	24	31.5	62	23,80
PDL0817F	12	1/2"	08	-	-	17	24	32.5	65.5	21,52
PDL0821F	12	1/2"	08	-	-	21	26	34.5	67.5	*
PDL1021F	16	5/8"	10	-	-	21	26	34.5	70.5	24,20
PDL1221F	20	3/4"	12	-	-	21	26	35.3	76.3	27,50
PDL1227F	20	3/4"	12	-	-	26	25	34.3	75.3	28,44
PDL1633F	25	1"	16	-	-	33	27	37.3	92.3	30,81
PDL2033F	32	1.1/4"	20	-	-	33	27	38	99	31,52

**Rohrstutzen BEL - BES**

Straight standpipe BEL - BES

Штуцер BEL - BES

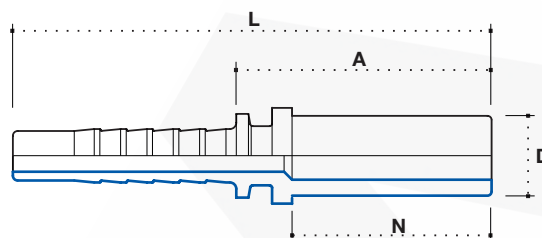


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	N	A	L	
PDL0306	5	3/16"	03	-	-	6	24	30	55	1,06
PDL0308	5	3/16"	03	-	-	8	24	30	55	1,23
PDL0406	6	1/4"	04	-	-	6	22.5	30.5	58.5	0,66
PDL0408	6	1/4"	04	-	-	8	23	30.5	58.5	0,63
PDL0410	6	1/4"	04	-	-	10	25	32	59.5	0,66
PDL0412	6	1/4"	04	-	-	12	25	32	60	1,06
PDL0508	8	5/16"	05	-	-	8	23	30	58	0,71
PDL0510	8	5/16"	05	-	-	10	25	32	60	0,71
PDL0512	8	5/16"	05	-	-	12	25	32	60	0,77
PDL0610	10	3/8"	06	-	-	10	25.5	33	63	0,80
PDL0612	10	3/8"	06	-	-	12	25	32.5	62	0,71
PDL0614	10	3/8"	06	-	-	14	28	35.5	65.5	0,91
PDL0615	10	3/8"	06	-	-	15	25.5	33	63	0,91
PDL0812	12	1/2"	08	-	-	12	25	33	66	4,67
PDL0814	12	1/2"	08	-	-	14	28	36	69	1,31
PDL0815	12	1/2"	08	-	-	15	25.5	33.5	66.5	1,03
PDL0816	12	1/2"	08	-	-	16	31	39	72	1,14
PDL0818	12	1/2"	08	-	-	18	27	35.5	68.5	1,48
PDL1018	16	5/8"	10	-	-	18	28	36	71.5	1,43
PDL1020	16	5/8"	10	-	-	20	35	43.5	79.5	1,48
PDL1022	16	5/8"	10	-	-	22	29	38	74	2,05
PDL1218	20	3/4"	12	-	-	18	26	34.5	75	2,96
PDL1220	20	3/4"	12	-	-	20	35	44	84.5	1,97
PDL1222	20	3/4"	12	-	-	22	29.5	38	80	1,80

### Rohrstutzen BEL - BES

Straight standpipe BEL - BES

Штуцер BEL - BES

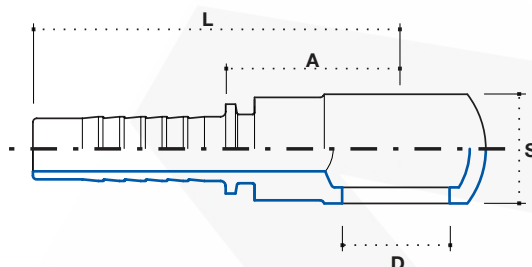


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	N	A	L	
PDL1225	20	3/4"	12	-	-	25	41	51	91.5	2,31
PDL1625	25	1"	16	-	-	25	39.5	50	105	3,53
PDL1628	25	1"	16	-	-	28	30.5	41	96	3,28
PDL1630	25	1"	16	-	-	30	43.5	54	109	3,79
PDL2030	32	1.1/4"	20	-	-	30	43	54.5	115	8,29
PDL2035	32	1.1/4"	20	-	-	35	35.5	46.5	106.5	5,67
PDL2038	32	1.1/4"	20	-	-	38	48	60	120	7,24
PDL2438	40	1.1/2"	24	-	-	38	48	60	131	10,52
PDL2442	40	1.1/2"	24	-	-	42	36	47	118	10,52

**Ringnippel für Hohlschraube  
BSP / RNR**

BSP banjo

**Кольцевидный ниппель  
BANJO, BSP / RNR**

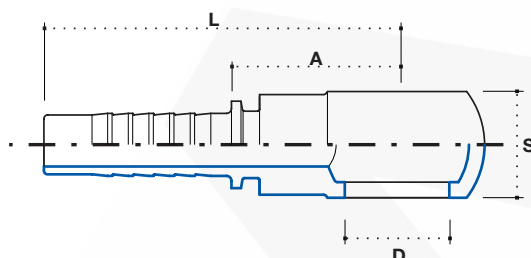


Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	S	A	L	
OG0302	5	3/16"	03	1/8" - 28	-	10	10	19.5	45	1,80
OG0304	5	3/16"	03	1/4" - 19	-	13.2	14	22.5	47.5	1,80
OG0402	6	1/4"	04	1/8" - 28	-	10	10	24	52	1,65
OG0404	6	1/4"	04	1/4" - 19	-	13.2	14	23	51	1,57
OG0406	6	1/4"	04	3/8" - 19	-	16.7	17	26.5	54.5	2,28
OG0408	6	1/4"	04	1/2" - 14	-	21	22	32.5	60.5	5,64
OG0504	8	5/16"	05	1/4" - 19	-	13.2	14	24	52	2,28
OG0506	8	5/16"	05	3/8" - 19	-	16.7	17	26.5	54.5	2,34
OG0508	8	5/16"	05	1/2" - 14	-	21	22	27.5	61	3,76
OG0604	10	3/8"	06	1/4" - 19	-	13.2	14	31.5	61.5	2,28
OG0606	10	3/8"	06	3/8" - 19	-	16.7	17	26.5	56.5	1,88
OG0608	10	3/8"	06	1/2" - 14	-	21	22	27.5	57.5	2,82
OG0806	12	1/2"	08	3/8" - 19	-	16.7	17	31	64	3,05
OG0808	12	1/2"	08	1/2" - 14	-	21	22	33	66	2,82
OG0810	12	1/2"	08	5/8" - 14	-	23.3	25	32.5	65.5	9,01
OG0812	12	1/2"	08	3/4" - 14	-	26.5	30	34.5	67.5	9,78
OG1010	16	5/8"	10	5/8" - 14	-	23.3	25	32.5	68.5	8,61
OG1012	16	5/8"	10	3/4" - 14	-	26.5	30	34.5	70.5	9,86
OG1212	20	3/4"	12	3/4" - 14	-	26.5	30	35	76	8,21
OG1216	20	3/4"	12	1" - 11	-	33.4	38	48	89	19,81
OG1616	25	1"	16	1" - 11	-	33.4	38	43	98	17,98
OG2020	32	1.1/4"	20	1.1/4" - 11	-	-	-	-	-	*

Ringnippel für Hohlschraube  
metrisch / RNM

Metric banjo

Кольцевидный ниппель  
BANJO, метрический / RNM

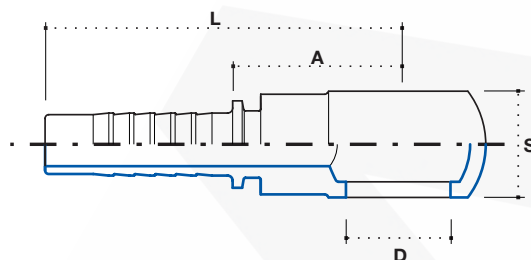


Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	S	A	L	
OM0310	5	3/16"	03	M10 x 1	-	10.1	10	20	45	1,97
OM0312	5	3/16"	03	M12 x 1.5	-	12.1	12	21	46	1,97
OM0314	5	3/16"	03	M14 x 1.5	-	14.1	14	23	48	2,02
OM0410	6	1/4"	04	M10 x 1	-	10.1	10	24	52	1,80
OM0412	6	1/4"	04	M12 x 1.5	-	12.1	11	23	51	1,65
OM0414	6	1/4"	04	M14 x 1.5	-	14.1	14	23	51	1,88
OM0416	6	1/4"	04	M16 x 1.5	-	16.1	17	25	53	2,34
OM0418	6	1/4"	04	M18 x 1.5	-	18.1	20	29	57	3,53
OM0512	8	5/16"	05	M12 x 1.5	-	12.1	12	23	52	2,74
OM0514	8	5/16"	05	M14 x 1.5	-	14.1	14	24.5	52.5	2,51
OM0516	8	5/16"	05	M16 x 1.5	-	16.1	17	27	55	2,34
OM0518	8	5/16"	05	M18 x 1.5	-	18.1	20	29	57	2,91
OM0520	8	5/16"	05	M20 x 1.5	-	20.1	22	28	56	4,70
OM0522	8	5/16"	05	M22 x 1.5	-	22.1	22	28	56	4,70
OM0614	10	3/8"	06	M14 x 1.5	-	14.1	14	27	57	2,51
OM0616	10	3/8"	06	M16 x 1.5	-	16.1	17	27	57	2,20
OM0618	10	3/8"	06	M18 x 1.5	-	18.1	20	28	58	2,74
OM0620	10	3/8"	06	M20 x 1.5	-	20.1	22	28.5	58.5	4,48
OM0622	10	3/8"	06	M22 x 1.5	-	22.1	22	28.5	58.5	3,99
OM0818	12	1/2"	08	M18 x 1.5	-	18.1	20	30	63	3,14
OM0820	12	1/2"	08	M20 x 1.5	-	20.1	22	34	67	4,08
OM0822	12	1/2"	08	M22 x 1.5	-	22.1	22	34	67	3,68
OM0826	12	1/2"	08	M26 x 1.5	-	-	-	-	-	9,78

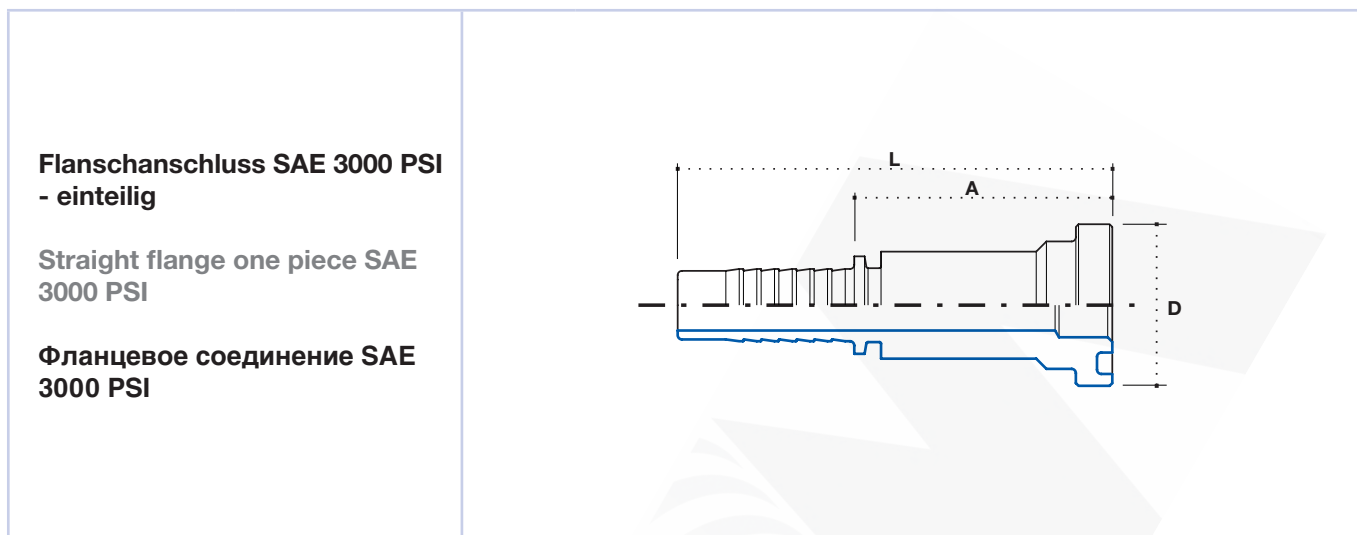
Ringnippel für Hohlschraube  
metrisch / RNM

Metric banjo

Кольцевидный ниппель  
BANJO, метрический / RNM



Artikel Code	Schlauch / Hose			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	S	A	L	
OM1022	16	5/8"	10	M22 x 1.5	-	22.1	22	34	70	7,44
OM1026	16	5/8"	10	M26 x 1.5	-	-	-	-	-	9,86
OM1226	20	3/4"	12	M26 x 1.5	-	-	-	-	-	8,21
OM1230	20	3/4"	12	M30 x 1.5	-	30.1	36	41.5	82.5	22,69
OM1630	25	1"	16	M30 x 1.5	-	30.1	36	41.5	96.5	20,75



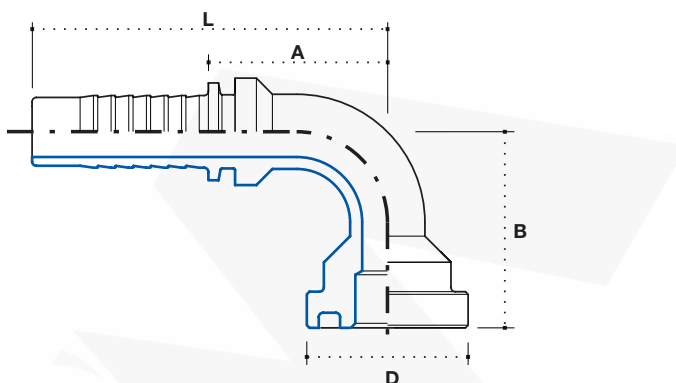
Artikel Code	Schlauch / Hose			Flansch / Flange	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	B	D	A		L
FDL0808I	12	1/2"	08	1/2"	-	-	30.2	49	82	5,02
FDL0810I	12	1/2"	08	5/8"	-	-	34	48	81	*
FDL0812I	12	1/2"	08	3/4"	-	-	38.1	52	84	8,15
FDL1008I	16	5/8"	10	1/2"	-	-	30.2	49	85	13,14
FDL1010I	16	5/8"	10	5/8"	-	-	34	49	85	14,33
FDL1012I	16	5/8"	10	3/4"	-	-	38.1	48	84	13,00
FDL1208I	20	3/4"	12	1/2"	-	-	30.2	47	88	12,51
FDL1212I	20	3/4"	12	3/4"	-	-	38.1	47	88	6,27
FDL1216I	20	3/4"	12	1"	-	-	44.5	50	91	8,07
FDL1612I	25	1"	16	3/4"	-	-	38.1	50	91	14,71
FDL1616I	25	1"	16	1"	-	-	44.5	50	105	8,84
FDL1620I	25	1"	16	1.1/4"	-	-	50.8	67	120	12,06
FDL2016I	32	1.1/4"	20	1"	-	-	44.5	57	117	27,39
FDL2020I	32	1.1/4"	20	1.1/4"	-	-	50.8	65	125	12,51
FDL2024I	32	1.1/4"	20	1.1/2"	-	-	60.3	70	130	17,98
FDL2424I	40	1.1/2"	24	1.1/2"	-	-	60.3	70	141	19,95
FDL2432I	40	1.1/2"	24	2"	-	-	71.4	72	143	23,94
FDL3232I	50	2"	32	2"	-	-	71.4	73	153	28,16



**90° Flanschschluss SAE  
3000 PSI - einteilig**

**90° Flange one piece SAE  
3000 PSI**

**Угловое 90° фланцевое  
соединение SAE 3000 PSI**

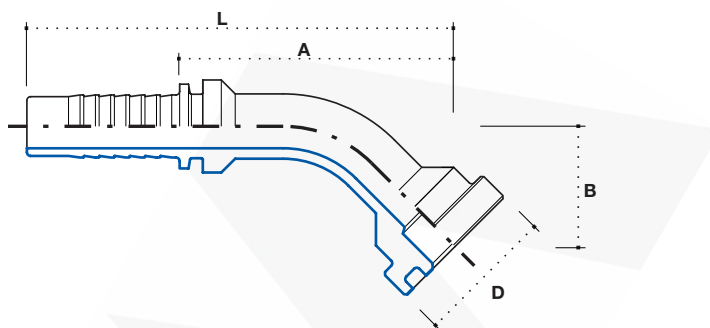


Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	B	A	L	
F90L0808I	12	1/2"	08	1/2"	-	30.2	43	39	72	8,61
F90L0812I	12	1/2"	08	3/4"	-	38.1	50	39	72	10,94
F90L1008I	16	5/8"	10	1/2"	-	30.2	49	49	85	18,78
F90L1012I	16	5/8"	10	3/4"	-	38.1	55	49	85	15,42
F90L1208I	20	3/4"	12	1/2"	-	30.2	52	57	98	17,21
F90L1212I	20	3/4"	12	3/4"	-	38.1	58	57	98	9,41
F90L1216I	25	1"	16	1"	-	44.5	62	57	98	10,89
F90L1612I	25	1"	16	3/4"	-	38.1	60	77	132	21,92
F90L1616I	25	1"	16	1"	-	44.5	64	77	132	12,26
F90L1620I	25	1"	16	1.1/4"	-	50.8	70	77	132	17,36
F90L2016I	32	1.1/4"	16	1"	-	44.5	82	89	150	35,20
F90L2020I	32	1.1/4"	20	1.1/4"	-	50.8	87	89	150	17,98
F90L2024I	32	1.1/4"	20	1.1/2"	-	60.3	88	89	150	27,53
F90L2424I	40	1.1/2"	24	1.1/2"	-	60.3	102	101	172	32,86
F90L2432I	40	1.1/2"	24	2"	-	71.4	118	101	172	48,51
F90L3232I	50	2"	32	2"	-	71.4	120	144	224	52,04

**45° Flanschschluss SAE  
3000 PSI - einteilig**

**45° Flange one piece SAE  
3000 PSI**

**Угловое 45° фланцевое  
соединение SAE 3000 PSI**

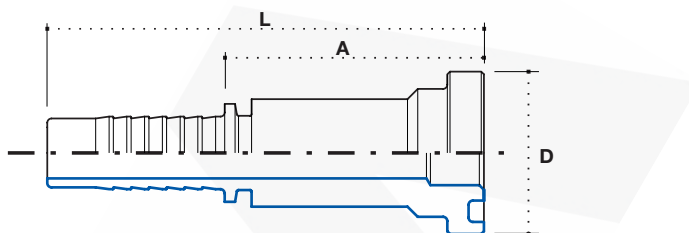


Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
F45L0808I	12	1/2"	08	1/2"	-	30.2	23	63	96	8,61
F45L0812I	12	1/2"	08	3/4"	-	38.1	28	68	101	10,94
F45L1008I	16	5/8"	10	1/2"	-	30.2	26	59	95	18,78
F45L1012I	16	5/8"	10	3/4"	-	38.1	30	63	99	15,42
F45L1208I	20	3/4"	12	1/2"	-	30.2	28	63	104	17,21
F45L1212I	20	3/4"	12	3/4"	-	38.1	32	67	108	9,41
F45L1216I	25	1"	16	1"	-	44.5	35	70	111	10,89
F45L1612I	25	1"	16	3/4"	-	38.1	35	83	138	21,92
F45L1616I	25	1"	16	1"	-	44.5	32	86	141	12,51
F45L1620I	25	1"	16	1.1/4"	-	50.8	36	90	145	17,30
F45L2016I	32	1.1/4"	16	1"	-	44.5	36	96	157	35,20
F45L2020I	32	1.1/4"	20	1.1/4"	-	50.8	43	100	161	17,98
F45L2024I	32	1.1/4"	20	1.1/2"	-	60.3	44	101	162	27,53
F45L2424I	40	1.1/2"	24	1.1/2"	-	60.3	41	112	183	32,86
F45L2432I	40	1.1/2"	24	2"	-	71.4	52	123	194	48,51
F45L3232I	50	2"	32	2"	-	71.4	59	148	228	52,04

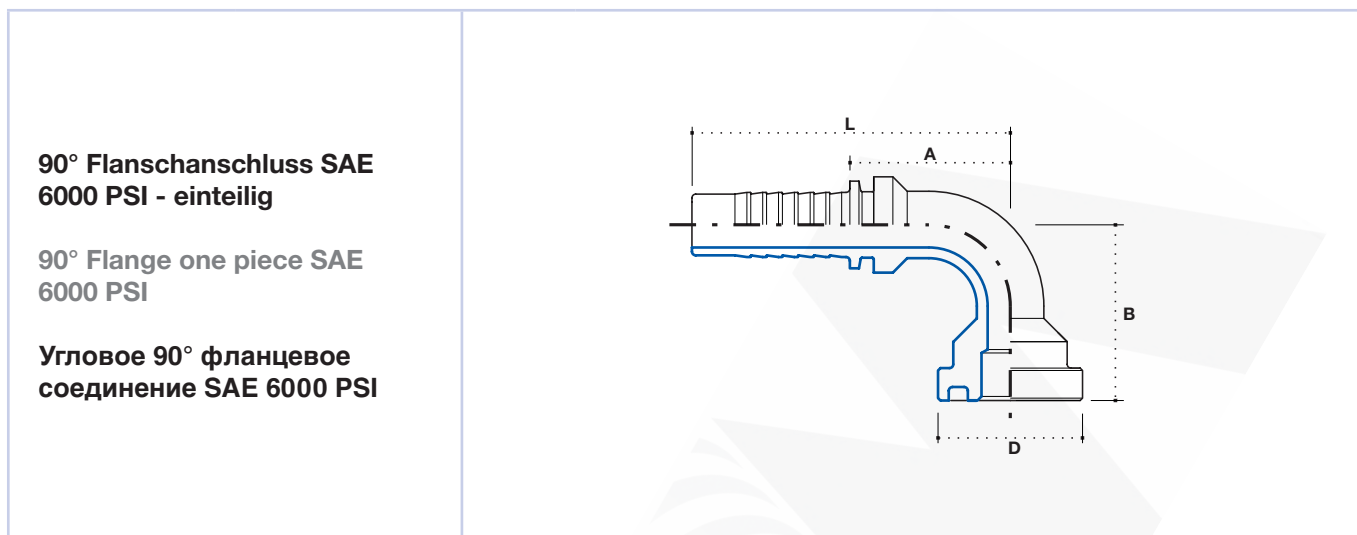
**Flanschanschluss SAE 6000 PSI  
- einteilig**

**Straight flange one piece SAE  
6000 PSI**

**Фланцевое соединение SAE  
6000 PSI**



Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	D	A	L	
FDP0808I	12	1/2"	08	1/2"	-	-	31.7	50	83	7,21
FDP0812I	12	1/2"	08	3/4"	-	-	41.3	55	87	9,41
FDP1008I	16	5/8"	10	1/2"	-	-	31.7	50	86	15,96
FDP1012I	16	5/8"	10	3/4"	-	-	41.3	51	87	13,14
FDP1208I	20	3/4"	12	1/2"	-	-	31.7	53	94	14,08
FDP1212I	20	3/4"	12	3/4"	-	-	41.3	53	94	7,04
FDP1216I	20	3/4"	12	1"	-	-	47.6	64	105	10,09
FDP1612I	25	1"	16	3/4"	-	-	41.3	64	105	20,98
FDP1616I	25	1"	16	1"	-	-	47.6	66	121	10,32
FDP1620I	25	1"	16	1.1/4"	-	-	54	71	126	14,08
FDP2016I	32	1.1/4"	20	1"	-	-	47.6	66	126	27,39
FDP2020I	32	1.1/4"	20	1.1/4"	-	-	54	67	127	13,68
FDP2024I	32	1.1/4"	20	1.1/2"	-	-	63.5	78	139	21,60
FDP2424I	40	1.1/2"	24	1.1/2"	-	-	63.5	78	149	24,11
FDP2432I	40	1.1/2"	24	2"	-	-	79.4	73	143	51,16
FDP3232I	50	2"	32	2"	-	-	79.4	73	153	37,56

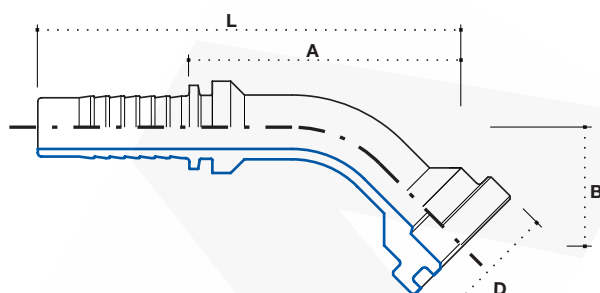


Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
F90P0808I	12	1/2"	08	1/2"	-	31.7	44	39	72	9,55
F90P0812I	12	1/2"	08	3/4"	-	41.3	51	39	72	13,45
F90P1008I	16	5/8"	10	1/2"	-	31.7	50	49	85	21,92
F90P1012I	16	5/8"	10	3/4"	-	41.3	59	49	85	22,69
F90P1208I	20	3/4"	12	1/2"	-	31.7	53	57	98	25,05
F90P1212I	20	3/4"	12	3/4"	-	41.3	62	57	98	9,41
F90P1216I	20	3/4"	12	1"	-	47.6	67	57	98	15,33
F90P1612I	25	1"	16	3/4"	-	41.3	64	77	132	29,73
F90P1616I	25	1"	16	1"	-	47.6	69	77	132	14,25
F90P1620I	25	1"	16	1.1/4"	-	54	76	77	132	21,92
F90P2016I	32	1.1/4"	20	1"	-	47.6	87	89	150	34,43
F90P2020I	32	1.1/4"	20	1.1/4"	-	54	93	89	150	22,86
F90P2024I	32	1.1/4"	20	1.1/2"	-	63.5	97	89	150	36,77
F90P2424I	40	1.1/2"	24	1.1/2"	-	63.5	111	101	172	41,15
F90P2432I	40	1.1/2"	24	2"	-	79.4	126	101	172	112,66
F90P3232I	50	2"	32	2"	-	79.4	128	144	224	71,99

**45° Flanschschluss SAE  
3000 PSI - einteilig**

**45° Flange one piece 3000 PSI**

**Угловое 45° фланцевое  
соединение SAE 6000 PSI**

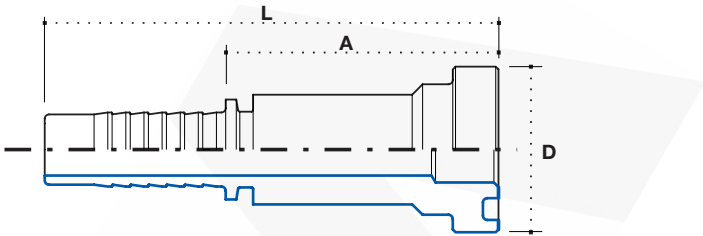


Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	B	A	L	
F45P0808I	12	1/2"	08	1/2"	-	31.7	23	64	97	9,55
F45P0812I	12	1/2"	08	3/4"	-	41.3	28	69	102	13,45
F45P1008I	16	5/8"	10	1/2"	-	31.7	26	60	96	21,92
F45P1012I	16	5/8"	10	3/4"	-	41.3	30	66	102	22,69
F45P1208I	20	3/4"	12	1/2"	-	31.7	28	64	105	22,05
F45P1212I	20	3/4"	12	3/4"	-	41.3	32	70	111	9,41
F45P1216I	20	3/4"	12	1"	-	47.6	35	74	115	15,33
F45P1612I	25	1"	16	3/4"	-	41.3	35	86	141	29,73
F45P1616I	25	1"	16	1"	-	47.6	32	89	144	14,25
F45P1620I	25	1"	16	1.1/4"	-	54	36	94	149	21,92
F45P2016I	32	1.1/4"	20	1"	-	47.6	36	100	161	34,43
F45P2020I	32	1.1/4"	20	1.1/4"	-	54	43	104	165	22,86
F45P2024I	32	1.1/4"	20	1.1/2"	-	63.5	44	107	168	36,77
F45P2424I	40	1.1/2"	24	1.1/2"	-	63.5	41	118	189	41,15
F45P2432I	40	1.1/2"	24	2"	-	79.4	52	119	190	112,66
F45P3232I	50	2"	32	2"	-	79.4	59	153	233	71,99

**Flanschanschluss SUPERCAT  
- SAE 9000 PSI**

**Straight flange SUPERCAT  
- SAE 900 PSI**

**Фланцевое соединение  
SUPERCAT - SAE 9000 PSI**

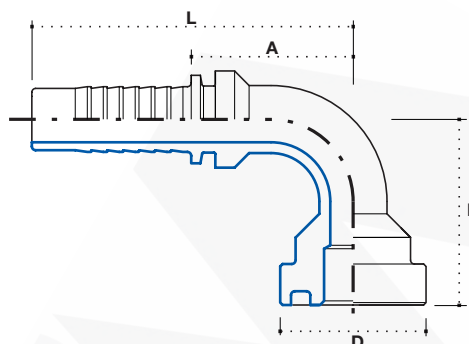


Artikel Code	Schlauch / Hose			Flansch / Flange F	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		-	D	A	L		
FDS1212I	20	3/4"	12	3/4"	-	-	41.3	58	99	12,51
FDS1216I	20	3/4"	12	1"	-	-	47.6	70	111	18,78
FDS1616I	25	1"	16	1"	-	-	47.6	72	127	15,19
FDS1620I	25	1"	16	1.1/4"	-	-	54	75	130	18,30
FDS2020I	32	1.1/4"	20	1.1/4"	-	-	54	71	131	18,78
FDS2024I	32	1.1/4"	20	1.1/2"	-	-	63.5	80	141	31,61
FDS2424I	40	1.1/2"	24	1.1/2"	-	-	63.5	80	151	29,73

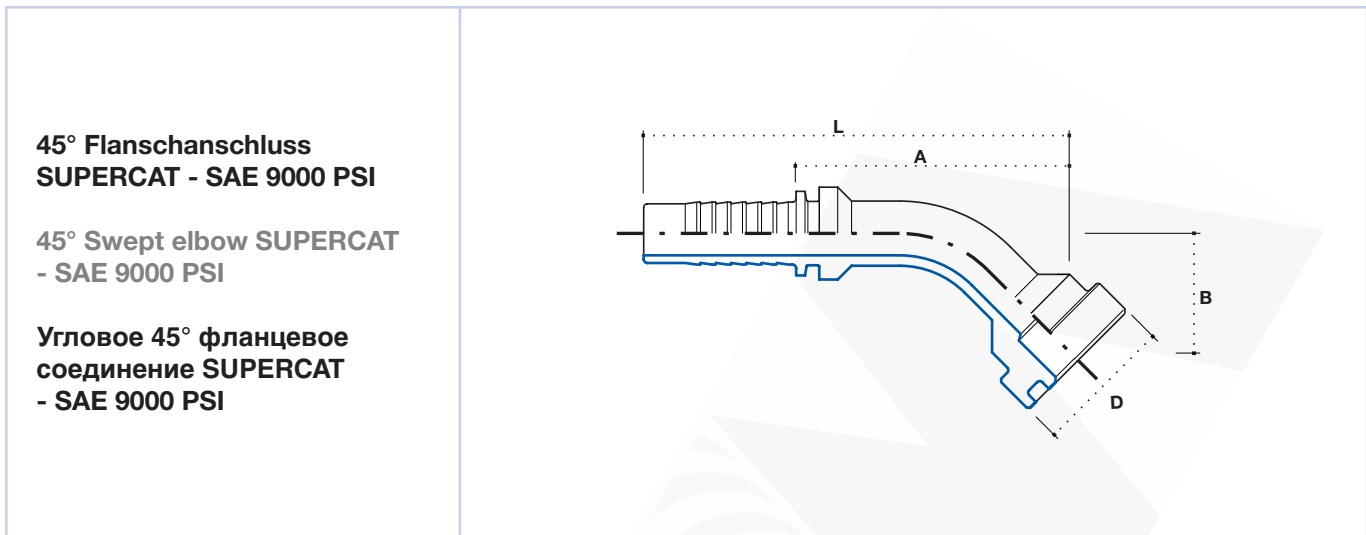
**90° Flanschanschluss  
SUPERCAT - SAE 9000 PSI**

**90° Swept elbow SUPERCAT  
- SAE 9000 PSI**

**Угловое 90° фланцевое  
соединение SUPERCAT  
- SAE 9000 PSI**



Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	B	A	L	
F90S1212I	20	3/4"	12	3/4"	-	41.3	67	57	98	16,67
F90S1216I	20	3/4"	12	1"	-	47.6	73	57	98	23,00
F90S1616I	25	1"	16	1"	-	47.6	75	77	132	21,60
F90S1620I	25	1"	16	1.1/4"	-	54	80	77	132	29,10
F90S2020I	32	1.1/4"	20	1.1/4"	-	54	97	89	150	29,41
F90S2024I	32	1.1/4"	20	1.1/2"	-	63.5	99	89	150	45,37
F90S2424I	40	1.1/2"	24	1.1/2"	-	63.5	113	101	172	45,37



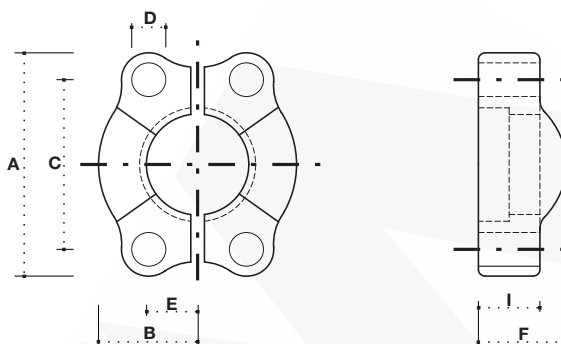
Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
F45S1212I	20	3/4"	12	3/4"	-	41.3	39	74	115	16,67
F45S1216I	20	3/4"	12	1"	-	47.6	43	78	119	23,00
F45S1616I	25	1"	16	1"	-	47.6	40	94	149	21,60
F45S1620I	25	1"	16	1.1/4"	-	54	43	97	152	29,10
F45S2020I	32	1.1/4"	20	1.1/4"	-	54	50	107	168	29,41
F45S2024I	32	1.1/4"	20	1.1/2"	-	63.5	51	108	169	45,37
F45S2424I	40	1.1/2"	24	1.1/2"	-	63.5	49	120	191	45,37



**Halbflansch SAE 3000 PSI / Paar**

Split flange clamps couple  
SAE 3000 PSI

Полуфланцевое парное  
соединение – скоба SAE 3000  
PSI

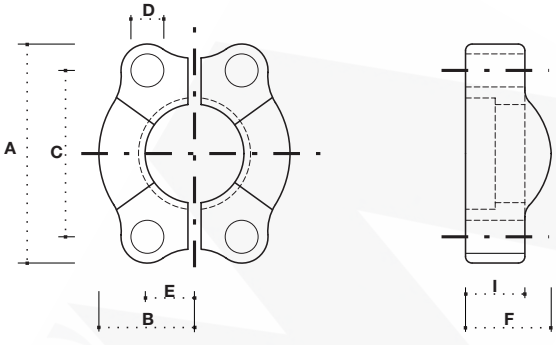


Artikel Code	Flansch / Flange			Flansch Flange	Abmessung / Dimension mm							Euro
	DN	Inch Inches	Size		F	A	B	C	D	E	F	
SFL08	12	1/2"	08	1/2"	56.3	23.8	40.5	9	9.2	15.9	22.2	5,42
SFL12	20	3/4"	12	3/4"	71.4	30.2	50.8	11	11.9	19	28.6	5,70
SFL16	25	1"	16	1"	80.9	34.9	57.1	13	13.9	22.2	36.5	6,18
SFL20	32	1.1/4"	20	1.1/4"	95.2	38.9	66.7	15	15.8	23.8	39.7	7,58
SFL24	40	1.1/2"	24	1.1/2"	112.7	47.6	79.4	17	18.2	27	46	9,23
SFL32	50	2"	32	2"	113.3	57.1	96.8	21	22.2	36.5	55.6	13,77

**Halbflansch SAE 6000 PSI - Paar**

Split flange clamps couple  
SAE 6000 PSI

Полуфланцевое парное  
соединение – скоба SAE 6000  
PSI

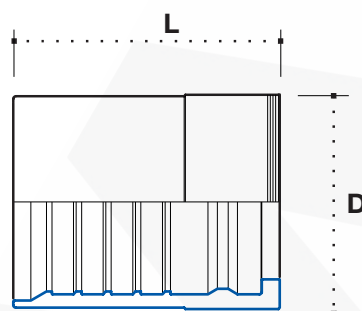


Artikel Code	Schlauch / Hose			Flansch Flange	Abmessung / Dimension mm							Euro
	DN	Inch Inches	Size		F	A	B	C	D	E	F	
SFP08	12	1/2"	08	1/2"	56.3	23.8	40.5	9	9.2	15.9	22.2	5,87
SFP12	20	3/4"	12	3/4"	71.4	30.2	50.8	11	11.9	19	28.6	6,58
SFP16	25	1"	16	1"	80.9	34.9	57.1	13	13.9	22.2	36.5	8,84
SFP20	32	1.1/4"	20	1.1/4"	95.2	38.9	66.7	15	15.8	23.8	39.7	12,28
SFP24	40	1.1/2"	24	1.1/2"	112.7	47.6	79.4	17	18.2	27	46	21,29
SFP32	50	2"	32	2"	113.3	57.1	96.8	21	22.2	36.5	55.6	39,27

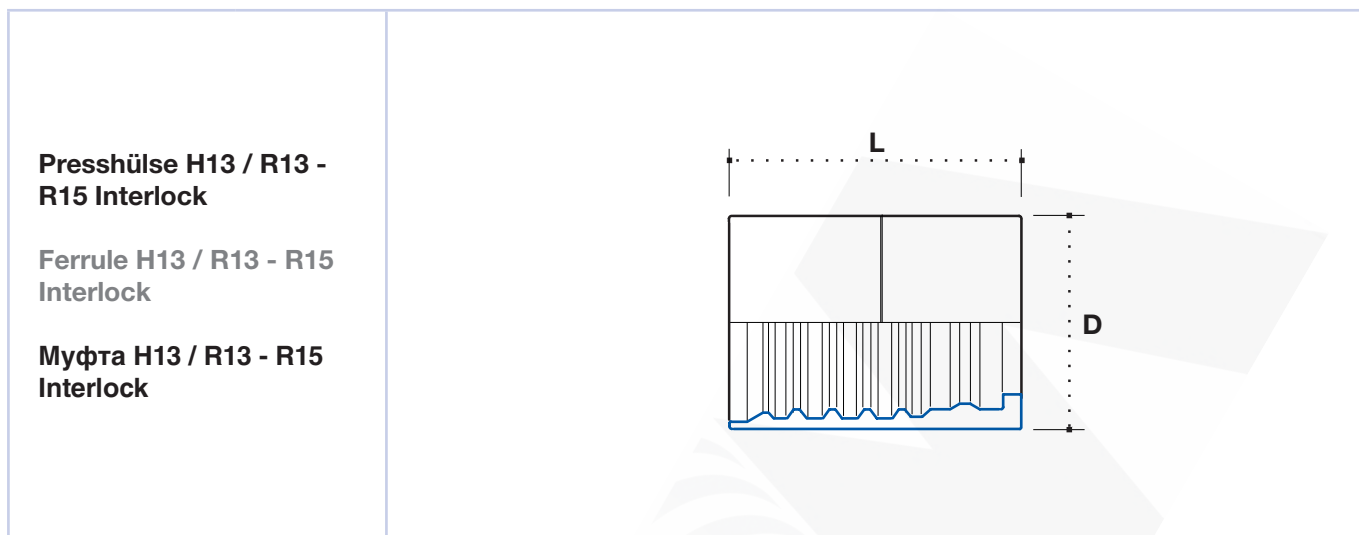
Presshülse 4SH Interlock

Ferrule 4SH Interlock

Муфта 4SH interlock



Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm..	Pressmaß Crimping Diameters	Schällänge Innen / Skive length inside mm.	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size				-	-	D	L	
KB4SH12	20	3/4"	12	52	33.9	15	-	-	37	60	3,02
KB4SH16	25	1"	16	65	42.5	17	-	-	46	74.5	4,19
KB4SH20	32	1.1/4"	20	74	50.2	21.5	-	-	56	87.5	8,21
KB4SH24	40	1.1/2"	24	81	58.0	22	-	-	62	94.4	12,60
KB4SH32	50	2"	32	85	74.2	29	-	-	79.5	99	16,27

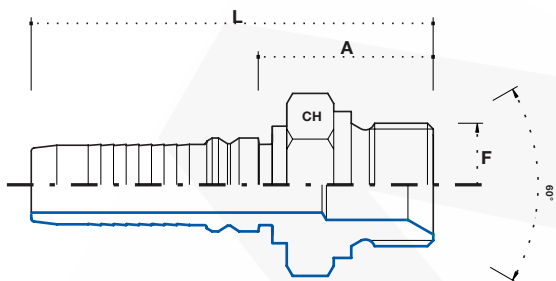


Artikel Code	Schlauch / Hose			Schällänge Aussen / Skive length outside mm.	Pressmaß / Crimping Diameters R13	Pressmaß / Crimping Diameters R15	Schällänge Innen / Skive length inside mm.	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size					-	-	D	L	
KBH1312	20	3/4"	12	52	33.9	33.7	15	-	-	-	-	*
KBH1316	25	1"	16	65	42.5	42.0	17	-	-	60	87.5	8,18
KBH1320	32	1.1/4"	20	74	53.8	54.2	21.5	-	-	67	94.4	12,74
KBH1324	40	1.1/2"	24	81	61.3	61.7	22	-	-	84.5	99	20,01
KBH1332	50	2"	32	85	78.2	-	29	-	-	-	-	*

**AGR 60° Innenkonus  
(BSP-Gewinde) Interlock**

BSP male parallel 60° Interlock

AGR угловой ниппель 60°,  
interlock, внутренний конус,  
BSP резьба

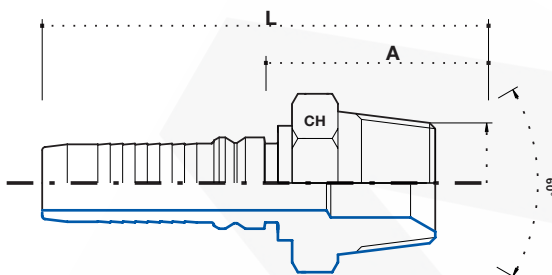


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
KMG1212	20	3/4"	12	3/4" - 14	-	-	32	34.7	96.5	9,92
KMG1616	25	1"	16	1" - 11	-	-	38	37.4	109	11,89
KMG1620	25	1"	16	1.1/4" - 11	-	-	50	42.6	114.7	27,30
KMG2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	44.2	132.5	16,13
KMG2424	40	1.1/2"	24	1.1/2" - 11	-	-	55	44.5	138	17,21
KMG3232	50	2"	32	2" - 11	-	-	70	54	152	31,75

**AGR konisch (BSP) Interlock**

**BSP taper male Interlock**

**AGR ниппель, interlock,  
конический, BSP резьба**



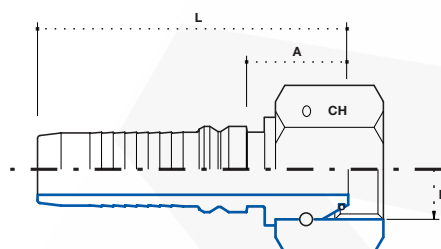
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Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
KMGK1212	20	3/4"	12	3/4" - 14	-	-	27	34.7	96.5	8,89
KMGK1616	25	1"	16	1" - 11	-	-	36	43.5	115.5	11,32
KMGK2020	32	1.1/4"	20	1.1/4" - 11	-	-	46	44.2	132.5	15,19
KMGK2424	40	1.1/2"	24	1.1/2" - 11	-	-	50	46	139.5	20,78
KMGK3232	50	2"	32	2" - 11	-	-	65	57	155	33,46

**DKR mit O-ring + gestiftete Überwurfmutter (BSP-Gewinde) Interlock**

**BSP female thrust wired nut Interlock**

**DKR BSP ниппель, interlock с уплотнительным резиновым кольцом, гайка со штифтом**

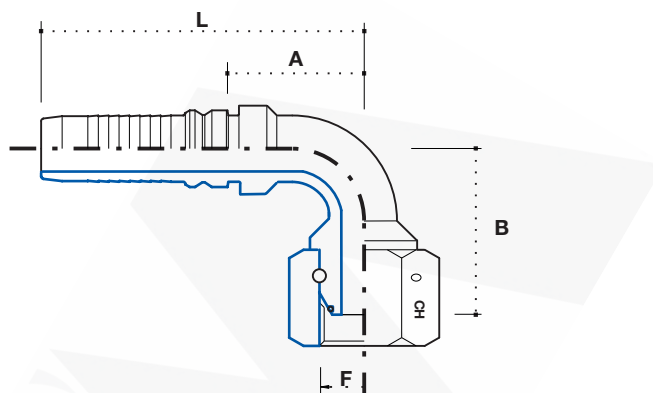


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	-	CH	A	
KFDG1212	20	3/4"	12	3/4" - 14	-	-	32	22.7	84.5	5,24
KFDG1616	25	1"	16	1" - 11	-	-	38	24.7	96.5	9,18
KFDG1620	25	1"	16	1.1/4" - 11	-	-	50	27.5	99.5	14,36
KFDG2020	32	1.1/4"	20	1.1/4" - 11	-	-	50	28.2	116.5	14,76
KFDG2424	40	1.1/2"	24	1.1/2" - 11	-	-	55	30.5	124	23,94
KFDG3232	50	2"	32	2" - 11	-	-	70	34	132	31,58

**DKR 90° Bogen mit O-ring + gestiftete Überwurfmutter (BSP-Gewinde) Interlock**

**90° BSP female thrust wired nut Interlock**

**DKR угловой ниппель 90°, interlock с уплотнительным резиновым кольцом, гайка со штифтом**



5

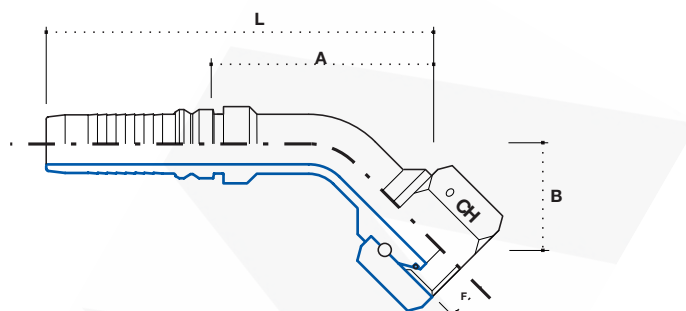
Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
KF90G1212	20	3/4"	12	3/4" - 14	-	32	59	54	113	10,09
KF90G1616	25	1"	16	1" - 11	-	38	72	70.5	142.5	15,62
KF90G1620	25	1"	16	1.1/4" - 11	-	50	80	70.5	142.5	41,35
KF90G2020	32	1.1/4"	20	1.1/4" - 11	-	50	93	87.7	176	24,80
KF90G2424	40	1.1/2"	24	1.1/2" - 11	-	55	114	99.5	193	36,02
KF90G3232	50	2"	32	2" - 11	-	70	136	135	233	58,06



**DKR 45° Bogen mit O-ring + gestiftete Überwurfmutter (BSP-Gewinde) Interlock**

**45° BSP female thrust wired nut Interlock**

**DKR угловой ниппель 45°, interlock с уплотнительным резиновым кольцом, гайка со штифтом**

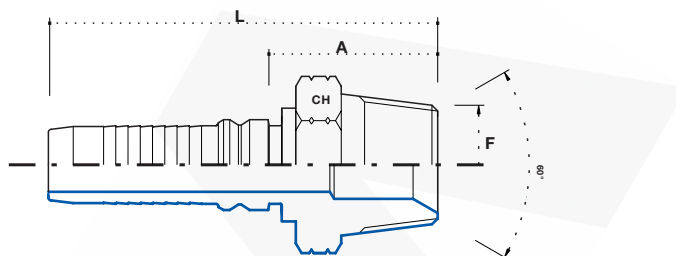


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
KF45G1212	20	3/4"	12	3/4" - 14	-	32	29	60.7	122.5	10,52
KF45G1616	25	1"	16	1" - 11	-	38	41	87.5	159.5	16,30
KF45G1620	25	1"	16	1.1/4" - 11	-	50	44	90.5	162.5	41,35
KF45G2020	32	1.1/4"	20	1.1/4" - 11	-	50	44	100.5	189	24,34
KF45G2424	40	1.1/2"	24	1.1/2" - 11	-	55	45	116.5	210	34,12
KF45G3232	50	2"	32	2" - 11	-	70	68	156	254	55,75

**AGN 60° Innenkonus (NPTF)  
Interlock**

**NPTF male 60° Interlock**

**AGN ниппель, внутренний  
конус 60° interlock, NPTF  
резьба**



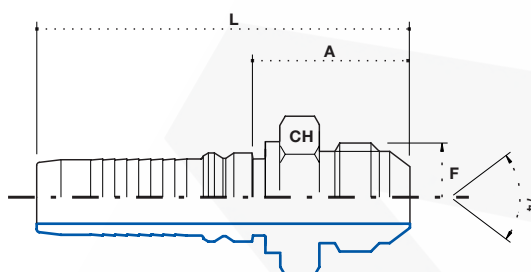
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Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
KMNPTF1212	20	3/4"	12	3/4" - 14	-	-	27	34.5	96.5	7,35
KMNPTF1216	20	3/4"	12	1" - 11.5	-	-	36	42.5	104.5	18,38
KMNPTF1616	25	1"	16	1" - 11.5	-	-	36	43	115	9,69
KMNPTF1620	25	1"	16	1.1/4" - 11.5	-	-	46	43	115	19,81
KMNPTF2020	32	1.1/4"	20	1.1/4" - 11.5	-	-	46	44	137.5	12,83
KMNPTF2024	32	1.1/4"	20	1.1/2" - 11.5	-	-	50	44	137.5	24,74
KMNPTF2424	40	1.1/2"	24	1.1/2" - 11.5	-	-	50	45.5	139	15,25
KMNPTF3232	50	2"	32	2" - 11.5	-	-	65	57	155	24,80

**AGJ 74° JIC Aussenkonus  
(UNF-Gewinde) Interlock**

JIC male sv 74° interlock

AGJ ниппель, наружный JIC  
конус 74° interlock, UNF резьба

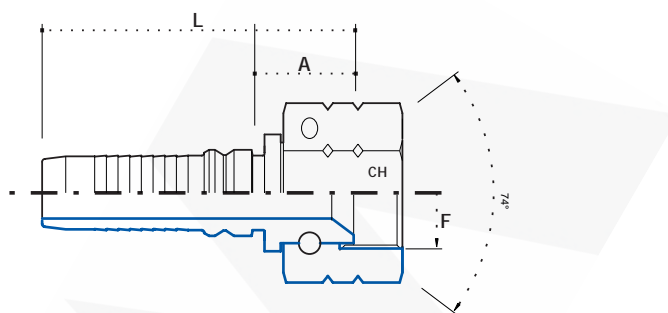


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		F	-	CH	A	L	
KMJ1212	20	3/4"	12	1.1/16" - 12	-	-	27	38	100	6,10
KMJ1214	20	3/4"	12	1.3/16" - 12	-	-	32	39	101	15,88
KMJ1216	20	3/4"	12	1.5/16" - 12	-	-	34	39	101	14,79
KMJ1616	25	1"	16	1.5/16" - 12	-	-	34	40	112	8,47
KMJ1620	25	1"	16	1.5/8" - 12	-	-	42	42.5	114.5	21,92
KMJ2020	32	1.1/4"	20	1.5/8" - 12	-	-	42	44	132.5	13,00
KMJ2024	32	1.1/4"	20	1.7/8" - 12	-	-	50	51	139.5	24,74
KMJ2424	40	1.1/2"	24	1.7/8" - 12	-	-	50	51	144.5	18,47
KMJ3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	38,28

**DKJ 74° (UNF) + gestiftete Überwurfmutter Interlock**

**JIC female 74° thrust wired nut Interlock**

**DKJ ниппель, JIC конус 74°, interlock, гайка со штифтом, UNF резьба**



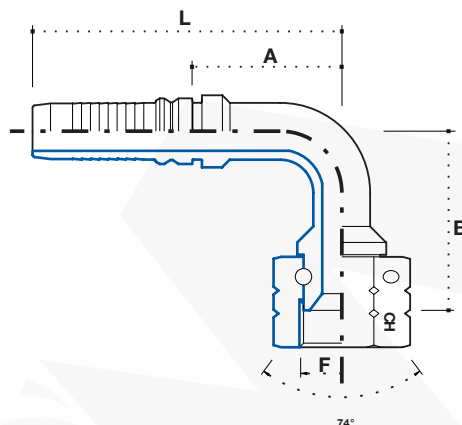
**5**

Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	CH	A		L
KFDJ1212	20	3/4"	12	1.1/16" - 12	-	-	32	20.5	82.5	6,84
KFDJ1214	20	3/4"	12	1.3/16" - 12	-	-	36	20.5	82.5	24,51
KFDJ1216	20	3/4"	12	1.5/16" - 12	-	-	41	20.5	82.5	22,40
KFDJ1616	25	1"	16	1.5/16" - 12	-	-	41	22	94	9,89
KFDJ1620	25	1"	16	1.5/8" - 12	-	-	50	26	98	32,80
KFDJ2020	32	1.1/4"	20	1.5/8" - 12	-	-	50	27.5	116	14,59
KFDJ2024	32	1.1/4"	20	1.7/8" - 12	-	-	55	29.5	118	37,76
KFDJ2424	40	1.1/2"	24	1.7/8" - 12	-	-	55	29.5	123	23,37
KFDJ3232	50	2"	32	2.1/2" - 12	-	-	70	33	131	28,13

**DKJ 90° Bogen 74° Dichtkopf  
(UNF) + gestiftete Überwurf-  
mutter Interlock**

90° JIC female swept elbow  
74° cone saet wired nut  
Interlock

DKJ угловой ниппель 90°, JIC  
конус 74°, interlock, гайка со  
штифтом, UNF резьба

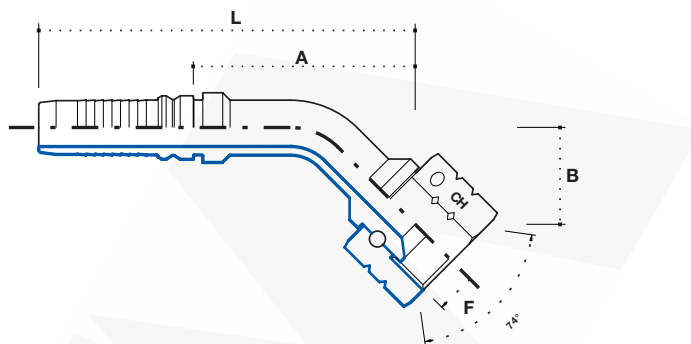


Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
KF90J1212	20	3/4"	12	1.1/16" - 12	-	32	58	51	113	12,68
KF90J1214	20	3/4"	12	1.3/16" - 12	-	36	61	51	113	39,82
KF90J1216	20	3/4"	12	1.5/16" - 12	-	41	62.5	51	113	34,03
KF90J1616	25	1"	16	1.5/16" - 12	-	41	69.5	70.5	142.5	18,55
KF90J1620	25	1"	16	1.5/8" - 12	-	50	78.5	70.5	142.5	43,89
KF90J2020	32	1.1/4"	20	1.5/8" - 12	-	50	91.5	87.5	176	26,22
KF90J2024	32	1.1/4"	20	1.7/8" - 12	-	55	99	87.5	176	60,16
KF90J2424	40	1.1/2"	24	1.7/8" - 12	-	55	112.5	99.5	193	38,59
KF90J3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	64,01

**DKJ 45° Bogen 74° Dichtkopf (UNF) + gestiftete Überwurfmutter Interlock**

45° JIC female swept elbow  
74° cone saet wired nut  
Interlock

DKJ угловой ниппель 45°, JIC конус 74°, interlock, гайка со штифтом, UNF резьба



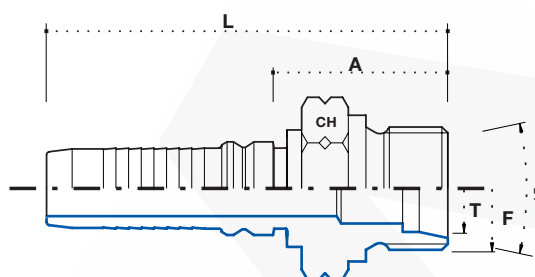
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Artikel Code	Schlauch / Hose			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	CH	B	A	
KF45J1212	20	3/4"	12	1.1/16" - 12	-	32	29	59.5	121.5	14,25
KF45J1214	20	3/4"	12	1.3/16" - 12	-	36	29	60.5	122.5	66,35
KF45J1216	20	3/4"	12	1.5/16" - 12	-	41	29	60.5	122.5	34,03
KF45J1616	25	1"	16	1.5/16" - 12	-	41	39.5	86	158	17,30
KF45J1620	25	1"	16	1.5/8" - 12	-	50	38.5	87	159	43,89
KF45J2020	32	1.1/4"	20	1.5/8" - 12	-	50	44	99.5	188	26,22
KF45J2024	32	1.1/4"	20	1.7/8" - 12	-	55	45	101.5	190	60,16
KF45J2424	40	1.1/2"	24	1.7/8" - 12	-	55	45	116.5	210	35,51
KF45J3232	50	2"	32	2.1/2" - 12	-	-	-	-	-	56,49

**CES metrisch 24° Konus  
Interlock**

**Metric male 24° cone h.t.  
Interlock**

**CES ниппель interlock, конус  
24°, метрический**

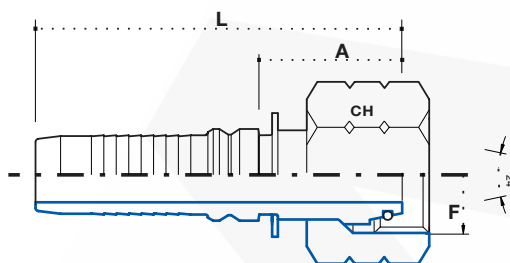


Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
KME1230S20	20	3/4"	12	M30 x 2	20	-	32	31.5	93.5	16,13
KME1236S25	20	3/4"	12	M36 x 2	25	-	38	33.5	95.5	6,73
KME1636S25	25	1"	16	M36 x 2	25	-	38	36	108	18,70
KME1642S30	25	1"	16	M42 x 2	30	-	46	39.5	111.5	8,61
KME2042S30	32	1.1/4"	20	M42 x 2	30	-	46	40.5	129	25,37
KME2052S38	32	1.1/4"	20	M52 x 2	38	-	55	44.5	133	13,31
KME2452S38	40	1.1/2"	24	M52 x 2	38	-	55	44.5	138	30,75

**DKO-S Innengewinde mit  
O-ring 24° Konus Interlock**

**O-ring metric female h.t. 24°  
cone Interlock**

**DKO-S ниппель interlock,  
конус 24° с уплотнительным  
резиновым кольцом,  
метрический**



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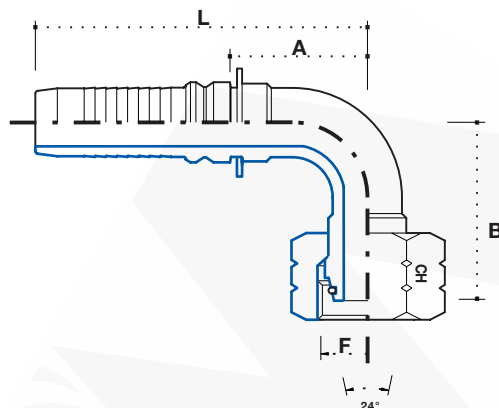
Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	CH	A	L	
KFE1230S20	20	3/4"	12	M30 x 2	20	-	36	35	97	12,31
KFE1236S25	20	3/4"	12	M36 x 2	25	-	46	36	98	10,94
KFE1636S25	25	1"	16	M36 x 2	25	-	46	37	109	17,67
KFE1642S30	25	1"	16	M42 x 2	30	-	50	38	110	9,69
KFE2042S30	32	1.1/4"	20	M42 x 2	30	-	50	40	128.5	34,20
KFE2052S38	32	1.1/4"	20	M52 x 2	38	-	60	45.5	134	15,73
KFE2452S38	40	1.1/2"	24	M52 x 2	38	-	60	45.5	139	49,22



**DKO-S 90° Bogen Innengewinde mit O-ring 24° Konus Interlock**

90° O-ring metric female h.t. 24° cone Interlock

DKO-S угловой ниппель 90°, interlock, конус 24° с уплотнительным резиновым кольцом, метрический

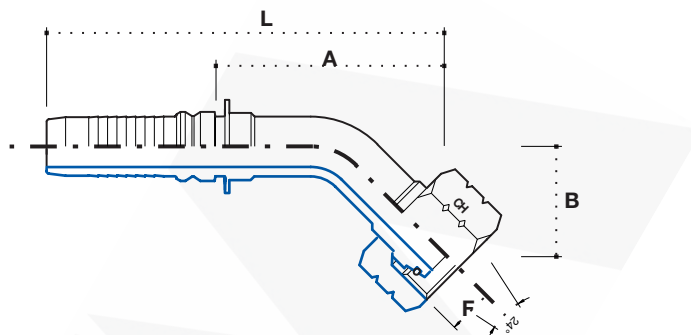


Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
KF90E1230S20	20	3/4"	12	M30 x 2	20	36	59	54	116	15,42
KF90E1236S25	20	3/4"	12	M36 x 2	25	46	59	54	116	15,82
KF90E1636S25	25	1"	16	M36 x 2	25	46	75	70.5	142.5	24,16
KF90E1642S30	25	1"	16	M42 x 2	30	50	75	70.5	142.5	17,21
KF90E2042S30	32	1.1/4"	20	M42 x 2	30	50	86	90.5	179	49,99
KF90E2052S38	32	1.1/4"	20	M52 x 2	38	60	86	90.5	179	25,11
KF90E2452S38	40	1.1/2"	24	M52 x 2	38	60	94	97.5	191	88,04

**DKO-S 45° Bogen Innengewinde mit O-ring 24° Konus Interlock**

45° O-ring metric female h.t. 24° cone Interlock

DKO-S угловой ниппель 45°, interlock конус 24° с уплотнительным резиновым кольцом, метрический



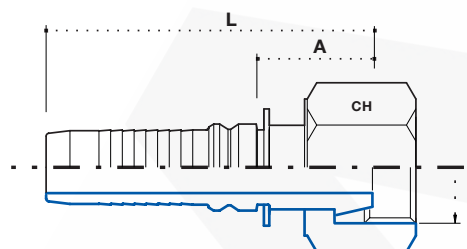
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Artikel Code	Schlauch / Hose			Gewinde / Thread F	Tubo mm	Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			CH	B	A	L	
KF45E1230S20	20	3/4"	12	M30 x 2	20	36	27	61.5	123.5	12,37
KF45E1236S25	20	3/4"	12	M36 x 2	25	46	28	67.5	129.5	15,82
KF45E1636S25	25	1"	16	M36 x 2	25	46	38	86	158	24,17
KF45E1642S30	25	1"	16	M42 x 2	30	50	38	86.5	158.5	15,42
KF45E2042S30	32	1.1/4"	20	M42 x 2	30	50	35	103	191.5	49,99
KF45E2052S38	32	1.1/4"	20	M52 x 2	38	60	35	103	191.5	22,86
KF45E2452S38	40	1.1/2"	24	M52 x 2	38	60	45	117.5	211	88,04

**DK-ORFS (UNF-Gewinde)  
Interlock**

**DK-ORFS female Interlock**

**DK ORFS interlock UNF резьба**

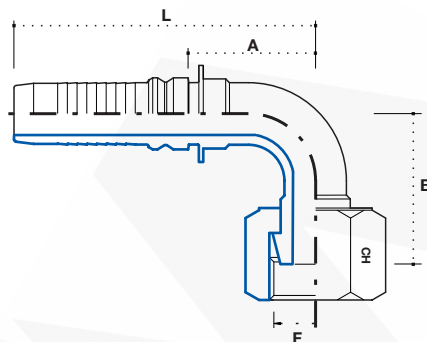


Artikel Code	Schlauch / Hose			Gewinde / Thread F	Abmessung / Dimension mm					Euro
	DN	Inch Inches	Size		-	CH	A	L		
KFORFS1014	16	5/8"	10	1.3/16" - 12	-	-	-	-	-	10,18
KFORFS1214	20	3/4"	12	1.3/16" - 12	-	-	36	30.5	92.5	9,86
KFORFS1215	20	3/4"	12	1.7/16" - 12	-	-	41	31.5	93.5	17,39
KFORFS1615	25	1"	16	1.7/16" - 12	-	-	41	32.5	104.5	13,97
KFORFS2021	32	1.1/4"	20	1.11/16" - 12	-	-	50	34	122.5	32,03

**DK 90° Bogen ORFS - UNF  
Stirndichtend Interlock**

90° ORFS female Interlock

DK угловой ниппель 90°  
ORFS interlock – UNF резьба,  
уплотняющее фронтальное  
соединение



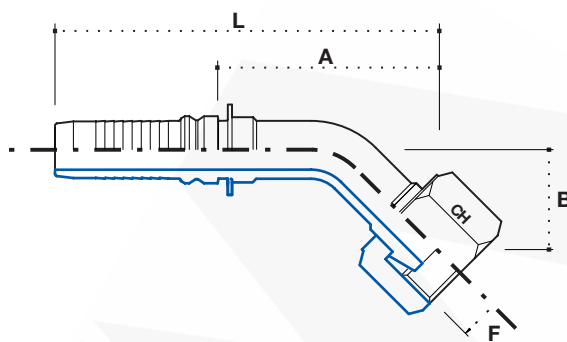
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Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	CH	B	A		L
KF90ORFS1014	16	5/8"	10	1.3/16" - 12	-	-	-	-	-	16,45
KF90ORFS1214	20	3/4"	12	1.3/16" - 12	-	36	49	53.5	115.5	14,08
KF90ORFS1215	20	3/4"	12	1.7/16" - 12	-	41	54	54	116	19,49
KF90ORFS1615	25	1"	16	1.7/16" - 12	-	41	59.5	71.5	143.5	20,55
KF90ORFS2021	32	1.1/4"	20	1.11/16" - 12	-	50	75.5	88.5	177	39,99

**DK 45° Bogen ORFS - UNF  
Stirndichtend Interlock**

45° ORFS female Interlock

DK угловой ниппель 45° ORFS  
interlock – UNF резьба, уплот-  
няющее фронтальное соеди-  
нение

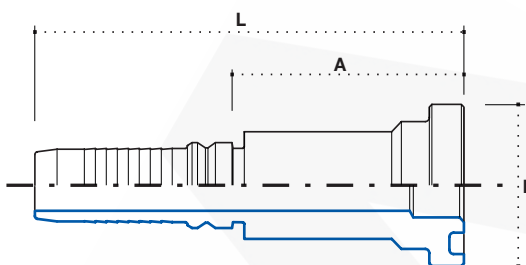


Artikel Code	Schlauch / Hose			Gewinde / Thread	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	CH	B	A		L
KF45ORFS1014	16	5/8"	10	1.3/16" - 12	-	-	-	-	-	16,45
KF45ORFS1214	20	3/4"	12	1.3/16" - 12	-	36	23	55.5	117.5	14,08
KF45ORFS1215	20	3/4"	12	1.7/16" - 12	-	41	27	60	122	19,49
KF45ORFS1615	25	1"	16	1.7/16" - 12	-	41	26	78.5	150.5	20,55
KF45ORFS2021	32	1.1/4"	20	1.11/16" - 12	-	50	34	91.5	180	39,99

**Flanschanschluss  
SAE 3000 PSI / SFL-I Interlock**

**Straight flange SAE 3000 PSI /  
SFL-I Interlock**

**Фланцевое соединение SAE  
3000 PSI / SFL- I interlock**



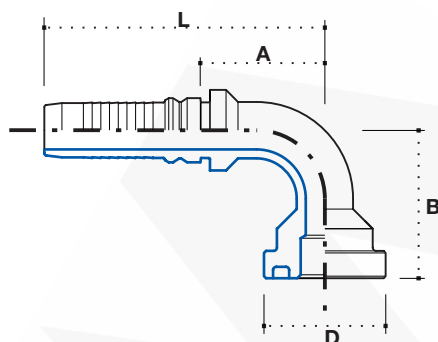
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Artikel Code	Schlauch / Hose			Flansch / Flange	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	D	A		L
KFDL1212I	20	3/4"	12	3/4"	-	-	38.1	56.7	118.5	8,47
KFDL1216I	20	3/4"	12	1"	-	-	44.5	48.7	119.5	12,37
KFDL1612I	25	1"	16	3/4"	-	-	38.1	47.6	119.7	32,41
KFDL1616I	25	1"	16	1"	-	-	44.5	47.6	119.7	9,78
KFDL1620I	25	1"	16	1.1/4"	-	-	50.8	64.6	136.7	15,02
KFDL2020I	32	1.1/4"	20	1.1/4"	-	-	50.8	68.7	155	14,08
KFDL2024I	32	1.1/4"	20	1.1/2"	-	-	60.3	78.7	167	21,43
KFDL2424I	40	1.1/2"	24	1.1/2"	-	-	60.3	68.5	162	19,49
KFDL2432I	40	1.1/2"	24	2"	-	-	71.4	70.5	164	33,89
KFDL3232I	50	2"	32	2"	-	-	71.4	70.5	171	26,45

**90° Flanschanschluss  
SAE 3000 PSI / SFL-I Interlock**

**90° SAE flange SAE 3000 PSI /  
SFL-I Interlock**

**Угловое 90° фланцевое  
соединение SAE 3000 PSI /  
SFL-I interlock**

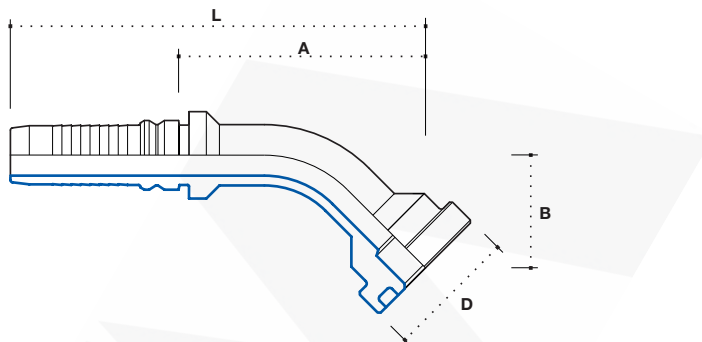


Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	B	A	L	
KF90L1212I	20	3/4"	12	3/4"	-	38.1	58	54.7	116.5	14,48
KF90L1216I	20	3/4"	12	1"	-	44.5	62	54.7	116.5	17,30
KF90L1612I	25	1"	16	3/4"	-	38.1	60	74.6	146.7	22,23
KF90L1616I	25	1"	16	1"	-	44.5	68	70.6	146.7	16,59
KF90L1620I	25	1"	16	1.1/4"	-	50.8	70	74.6	146.7	21,43
KF90L2020I	32	1.1/4"	20	1.1/4"	-	50.8	87	87.7	176	24,34
KF90L2024I	32	1.1/4"	20	1.1/2"	-	60.3	88	87.7	176	29,90
KF90L2424I	40	1.1/2"	24	1.1/2"	-	60.3	102	99.5	193	34,20
KF90L2432I	40	1.1/2"	24	2"	-	71.4	118	99.5	193	58,23
KF90L3232I	50	2"	32	2"	-	71.4	120	144	242	46,00

**45° Flanschanschluss  
SAE 3000 PSI / SFL-I Interlock**

**45° SAE flange SAE 3000 PSI /  
SFL-I Interlock**

**Угловое 45° фланцевое  
соединение SAE 3000 PSI /  
SFL-I interlock**



**5**

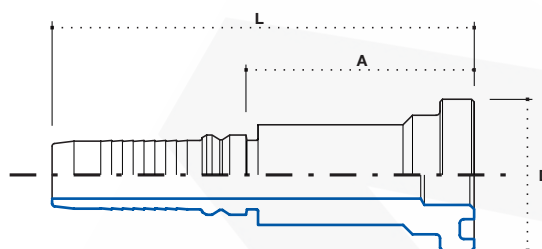
Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
KF45L1212I	20	3/4"	12	3/4"	-	38.1	32	64.7	126.5	12,60
KF45L1216I	20	3/4"	12	1"	-	44.5	35	67.7	129.5	18,07
KF45L1612I	25	1"	16	3/4"	-	38.1	35	80.6	152.7	35,91
KF45L1616I	25	1"	16	1"	-	44.5	32	83.6	155.7	17,67
KF45L1620I	25	1"	16	1.1/4"	-	50.8	36	87.6	159.7	17,98
KF45L2020I	32	1.1/4"	20	1.1/4"	-	50.8	43	98.7	187	19,81
KF45L2024I	32	1.1/4"	20	1.1/2"	-	60.3	44	99.7	188	30,75
KF45L2424I	40	1.1/2"	24	1.1/2"	-	60.3	41	110.5	204	27,85
KF45L2432I	40	1.1/2"	24	2"	-	71.4	52	121.5	215	47,57
KF45L3232I	50	2"	32	2"	-	71.4	59	148	246	40,07



**Flanschanschluss  
SAE 6000 PSI / SFS-I Interlock**

**Straight flange SAE 6000 PSI /  
SFS-I Interlock**

**Фланцевое соединение SAE  
6000 PSI / SFS-I interlock**

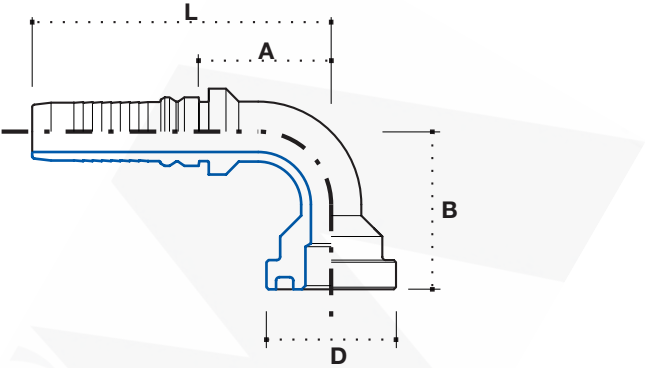


Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			-	D	A	L	
KFDP1212I	20	3/4"	12	3/4"	-	-	41.3	50	112	9,55
KFDP1216I	20	3/4"	12	1"	-	-	47.6	61.7	123.5	13,72
KFDP1612I	25	1"	16	3/4"	-	-	41.3	61.6	133.7	33,17
KFDP1616I	25	1"	16	1"	-	-	47.6	63.6	135.7	12,51
KFDP1620I	25	1"	16	1.1/4"	-	-	54	68.6	140.7	14,39
KFDP2020I	32	1.1/4"	20	1.1/4"	-	-	54	68.7	157	16,05
KFDP2024I	32	1.1/4"	20	1.1/2"	-	-	63.5	76.7	165	23,40
KFDP2424I	40	1.1/2"	24	1.1/2"	-	-	63.5	76.5	170	22,15
KFDP3232I	50	2"	32	2"	-	-	79.4	73	171	35,20

**90° Flanschanschluss  
SAE 6000 PSI / SFS-I Interlock**

90° SAE flange SAE 6000 PSI /  
SFS-I Interlock

Угловое 90° фланцевое  
соединение SAE 6000 PSI /  
SFS –I interlock

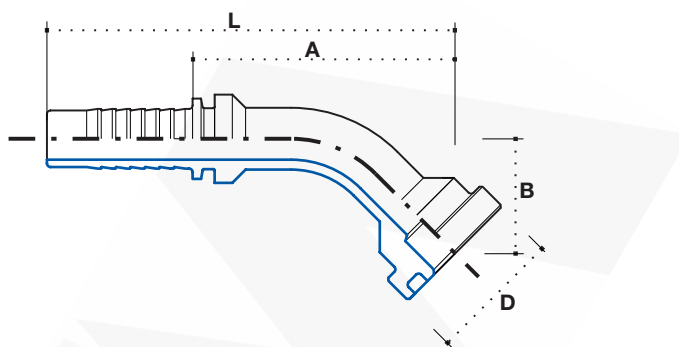


Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
KF90P1212I	20	3/4"	12	3/4"	-	41.3	62	54.7	116.5	14,25
KF90P1216I	20	3/4"	12	1"	-	47.6	67	54.7	116.5	16,45
KF90P1612I	25	1"	16	3/4"	-	41.3	64	74.6	146.7	35,45
KF90P1616I	25	1"	16	1"	-	47.6	69	74.6	146.7	17,67
KF90P1620I	25	1"	16	1.1/4"	-	54	76	74.6	146.7	22,77
KF90P2020I	32	1.1/4"	20	1.1/4"	-	54	93	87.7	176	22,37
KF90P2024I	32	1.1/4"	20	1.1/2"	-	63.5	97	87.7	176	39,50
KF90P2424I	40	1.1/2"	24	1.1/2"	-	63.5	111	99.5	193	36,00
KF90P3232I	50	2"	32	2"	-	79.4	128	144	242	61,82

**45° Flanschschluss  
SAE 6000 PSI / SFS-I Interlock**

**45° SAE flange SAE 6000 PSI /  
SFS-I Interlock**

**Угловое 45° фланцевое  
соединение SAE 6000 PSI /  
SFS -I interlock**

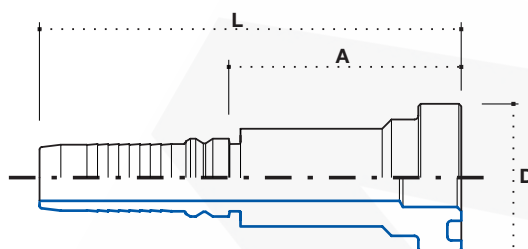


Artikel Code	Flansch / Flange			Gewinde / Thread		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
KF45P1212I	20	3/4"	12	3/4"	-	41.3	35	67.7	129.5	12,20
KF45P1216I	20	3/4"	12	1"	-	47.6	39	71.7	133.5	18,24
KF45P1612I	25	1"	16	3/4"	-	41.3	32	83.6	155.7	35,45
KF45P1616I	25	1"	16	1"	-	47.6	35	86.6	158.7	15,82
KF45P1620I	25	1"	16	1.1/4"	-	54	40	91.6	163.7	20,98
KF45P2020I	32	1.1/4"	20	1.1/4"	-	54	47	102.7	191	21,83
KF45P2024I	32	1.1/4"	20	1.1/2"	-	63.5	50	105.7	194	30,67
KF45P2424I	40	1.1/2"	24	1.1/2"	-	63.5	47	116.5	210	31,29
KF45P3232I	50	2"	32	2"	-	79.4	64	153	251	49,31

**Flanschanschluss  
SUPERCAT - SAE 9000 PSI /  
SFS-I Interlock**

**Straight SAE flange SUPERCAT  
- SAE 9000 PSI / SFS-I Interlock**

**Фланцевое соединение  
SUPERCAT SAE 9000PSI / SFS-  
I interlock**

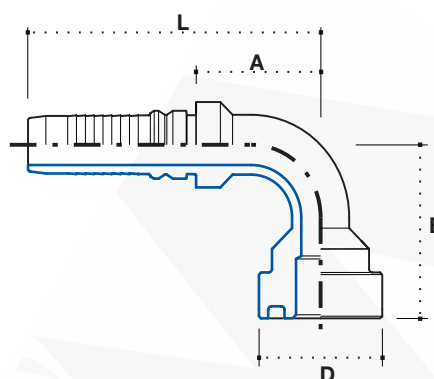


Artikel Code	Schlauch / Hose			Flansch / Flange	Abmessung / Dimension mm				Euro	
	DN	Inch Inches	Size		F	-	B	A		L
KFDS1212I	20	3/4"	12	3/4"	-	-	41.3	55.7	117.5	9,55
KFDS1216I	20	3/4"	12	1"	-	-	47.6	67.7	129.5	13,45
KFDS1616I	25	1"	16	1"	-	-	47.6	69.6	141.7	12,51
KFDS1620I	25	1"	16	1.1/4"	-	-	54	72.6	144.7	14,40
KFDS2020I	32	1.1/4"	20	1.1/4"	-	-	54	69.7	158	16,70
KFDS2024I	32	1.1/4"	20	1.1/2"	-	-	63.5	78.7	167	23,34
KFDS2424I	40	1.1/2"	24	1.1/2"	-	-	63.5	78.5	172	22,15

**90° Flanschanschluss  
SUPERCAT - SAE 9000 PSI /  
SFS-I Interlock**

**90° Swept elbow SUPERCAT  
- SAE 9000 PSI / SFS-I Interlock**

**Угловое 90° фланцевое  
соединение SUPERCAT SAE  
9000 PSI / SFS-I interlock**

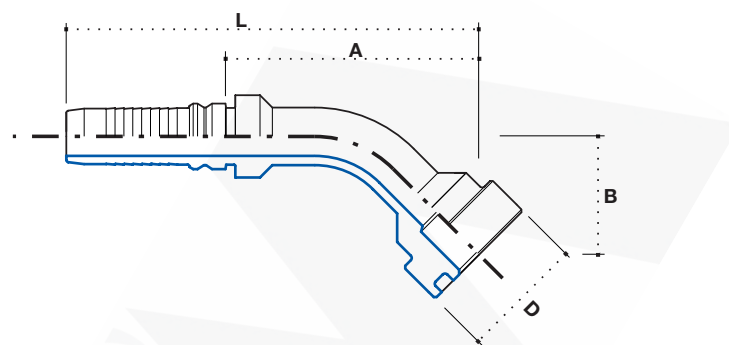


Artikel Code	Flansch / Flange			Gewinde / Thread F		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			D	B	A	L	
KF90S1212I	20	3/4"	12	3/4"	-	41.3	67	54.7	116.5	14,22
KF90S1216I	20	3/4"	12	1"	-	47.6	73	54.7	116.5	16,39
KF90S1616I	25	1"	16	1"	-	47.6	75	74.6	146.7	17,64
KF90S1620I	25	1"	16	1.1/4"	-	54	80	74.6	146.7	22,77
KF90S2020I	32	1.1/4"	20	1.1/4"	-	54	97	87.7	176	22,37
KF90S2024I	32	1.1/4"	20	1.1/2"	-	63.5	99	87.7	176	39,50
KF90S2424I	40	1.1/2"	24	1.1/2"	-	63.5	113	99.5	193	36,00

**45° Flanschanschluss  
SUPERCAT - SAE 9000 PSI /  
SFS-I Interlock**

**45° Swept elbow SUPERCAT  
- SAE 9000 PSI / SFS-I Interlock**

**Угловое 45° фланцевое  
соединение SUPERCAT SAE  
9000 PSI / SFS-I interlock**



5

Artikel Code	Schlauch / Hose			Flansch / Flange		Abmessung / Dimension mm				Euro
	DN	Inch Inches	Size			F	D	B	A	
KF45S1212I	20	3/4"	12	3/4"	-	41.3	39	71.7	133.5	12,20
KF45S1216I	20	3/4"	12	1"	-	47.6	43	75.7	137.5	18,24
KF45S1616I	25	1"	16	1"	-	47.6	40	91.6	163.7	15,82
KF45S1620I	25	1"	16	1.1/4"	-	54	43	94.6	166.7	20,98
KF45S2020I	32	1.1/4"	20	1.1/4"	-	54	50	105.7	194	21,83
KF45S2024I	32	1.1/4"	20	1.1/2"	-	63.5	51	106.7	195	30,64
KF45S2424I	40	1.1/2"	24	1.1/2"	-	63.5	49	118.5	212	31,29



### Rohranschluß für JIC-Mutter

Sleeve

Трубное соединение для JIC - гайки



### JIC-Mutter für Rohranschluß

Nut JIC

JIC-гайка для трубного соединения



Artikel Code	Tube	-	Euro
ABJ06	6	-	0,23
ABJ08	8	-	0,26
ABJ10	10	-	0,29
ABJ12	12	-	0,34
ABJ14	14	-	0,43
ABJ15	15	-	0,43
ABJ16	16	-	0,43
ABJ18	18	-	0,71
ABJ20	20	-	0,71
ABJ22	22	-	1,19
ABJ25	25	-	0,80
ABJ30	30	-	2,14
ABJ32	32	-	2,14
ABJ38	38	-	4,28

Artikel Code	JIC	-	Euro
DBJ04	7/16"	-	0,31
DBJ05	1/2"	-	0,42
DBJ06	9/16"	-	0,45
DBJ08	3/4"	-	0,54
DBJ10	7/8"	-	0,78
DBJ12	1.1/16"	-	1,14
DBJ16	1.5/16"	-	2,62
DBJ20	1.5/8"	-	4,61
DBJ24	1.7/8"	-	8,84

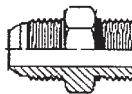




### Adapter AG-JIC / AG-UNF + O.R.

Union Connector JIC-UNF + O.R.

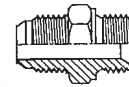
Адаптер AG-JIC / AGR-F + O.R.



### Adapter AG-JIC / AGR-F mit 60° Konus

Union Connector JIC-BSPP / 60° cone

Адаптер AG-JIC / AGR-F, конус 60°



Artikel Code	JIC	UNF	Euro
AMJ04MU04	7/16"	7/16"	1,14
AMJ04MU05	7/16"	1/2"	2,28
AMJ04MU06	7/16"	9/16"	1,43
AMJ04MU08	7/16"	3/4"	2,05
AMJ05MU05	1/2"	1/2"	1,35
AMJ05MU06	1/2"	9/16"	1,35
AMJ06MU04	9/16"	7/16"	1,43
AMJ06MU05	9/16"	1/2"	1,43
AMJ06MU06	9/16"	9/16"	1,29
AMJ06MU08	9/16"	3/4"	1,71
AMJ06MU10	9/16"	7/8"	2,51
AMJ08MU06	3/4"	9/16"	1,82
AMJ08MU08	3/4"	3/4"	1,71
AMJ08MU10	3/4"	7/8"	2,85
AMJ08MU12	3/4"	1.1/16"	3,99
AMJ10MU08	7/8"	3/4"	3,42
AMJ10MU10	7/8"	7/8"	2,17
AMJ10MU12	7/8"	1.1/16"	4,33
AMJ12MU08	1.1/16"	3/4"	3,71
AMJ12MU10	1.1/16"	7/8"	3,71
AMJ12MU12	1.1/16"	1.1/16"	3,14
AMJ12MU16	1.1/16"	1.5/16"	5,27
AMJ16MU10	1.5/16"	7/8"	7,27
AMJ16MU12	1.5/16"	1.1/16"	5,09
AMJ16MU16	1.5/16"	1.5/16"	4,85
AMJ16MU20	1.5/16"	1.5/8"	10,83
AMJ20MU16	1.5/8"	1.5/16"	10,83
AMJ20MU20	1.5/8"	1.5/8"	10,83
AMJ24MU20	1.7/8"	1.5/8"	17,10
AMJ24MU24	1.7/8"	1.7/8"	17,10

Artikel Code	JIC	BSPP	Euro
AMJ04MG02SV	7/16"	1/8"	0,86
AMJ04MG04SV	7/16"	1/4"	1,09
AMJ04MG06SV	7/16"	3/8"	1,37
AMJ04MG08SV	7/16"	1/2"	2,85
AMJ05MG02SV	1/2"	1/8"	0,86
AMJ05MG04SV	1/2"	1/4"	1,09
AMJ05MG06SV	1/2"	3/8"	1,71
AMJ05MG08SV	1/2"	1/2"	2,85
AMJ06MG02SV	9/16"	1/8"	3,71
AMJ06MG04SV	9/16"	1/4"	1,09
AMJ06MG06SV	9/16"	3/8"	1,37
AMJ06MG08SV	9/16"	1/2"	2,34
AMJ08MG04SV	3/4"	1/4"	1,71
AMJ08MG06SV	3/4"	3/8"	1,71
AMJ08MG08SV	3/4"	1/2"	2,28
AMJ08MG12SV	3/4"	3/4"	3,28
AMJ10MG06SV	7/8"	3/8"	2,17
AMJ10MG08SV	7/8"	1/2"	2,17
AMJ10MG12SV	7/8"	3/4"	3,42
AMJ10MG16SV	7/8"	1"	6,27
AMJ12MG06SV	1.1/16"	3/8"	6,27
AMJ12MG08SV	1.1/16"	1/2"	3,31
AMJ12MG12SV	1.1/16"	3/4"	3,31
AMJ12MG16SV	1.1/16"	1"	5,70
AMJ16MG12SV	1.5/16"	3/4"	4,56
AMJ16MG16SV	1.5/16"	1"	5,70
AMJ16MG20SV	1.5/16"	1.1/4"	8,55
AMJ20MG16SV	1.5/8"	1"	7,75
AMJ20MG20SV	1.5/8"	1.1/4"	8,55
AMJ20MG24SV	1.5/8"	1.1/2"	15,96
AMJ24MG16SV	1.7/8"	1"	15,68
AMJ24MG20SV	1.7/8"	1.1/4"	14,25
AMJ24MG24SV	1.7/8"	1.1/2"	15,68



### Adapter AG-JIC / AGR-K

Connector JIC-BSPT  
Адаптер AG-JIC / AGR-K

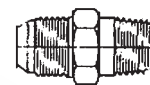


Artikel Code	JIC	BSPT	Euro
AMJ04MGK02	7/16"	1/8"	1,11
AMJ04MGK04	7/16"	1/4"	1,11
AMJ05MGK02	1/2"	1/8"	1,40
AMJ05MGK04	1/2"	1/4"	1,40
AMJ06MGK02	9/16"	1/8"	2,85
AMJ06MGK04	9/16"	1/4"	1,28
AMJ06MGK06	9/16"	3/8"	1,43
AMJ06MGK08	9/16"	1/2"	2,11
AMJ08MGK04	3/4"	1/4"	2,11
AMJ08MGK06	3/4"	3/8"	1,55
AMJ08MGK08	3/4"	1/2"	1,91
AMJ08MGK12	3/4"	3/4"	3,99
AMJ10MGK06	7/8"	3/8"	2,22
AMJ10MGK08	7/8"	1/2"	2,22
AMJ10MGK12	7/8"	3/4"	3,71
AMJ12MGK08	1.1/16"	1/2"	3,76
AMJ12MGK12	1.1/16"	3/4"	3,42
AMJ12MGK16	1.1/16"	1"	7,13
AMJ16MGK12	1.5/16"	3/4"	5,42
AMJ16MGK16	1.5/16"	1"	5,42
AMJ20MGK16	1.5/8"	1"	11,97
AMJ20MGK20	1.5/8"	1.1/4"	12,54
AMJ24MGK20	1.7/8"	1.1/4"	14,25
AMJ24MGK24	1.7/8"	1.1/2"	15,68

### Adapter AG-JIC / AG-NPT

Connector JIC-NPT

Адаптер AG-JIC / AG-NPT



Artikel Code	JIC	NPT	Euro
AMJ04MN02	7/16"	1/8"	1,11
AMJ04MN04	7/16"	1/4"	1,11
AMJ05MN02	1/2"	1/8"	1,40
AMJ05MN04	1/2"	1/4"	1,40
AMJ06MN02	9/16"	1/8"	2,85
AMJ06MN04	9/16"	1/4"	1,28
AMJ06MN06	9/16"	3/8"	1,43
AMJ06MN08	9/16"	1/2"	2,11
AMJ08MN04	3/4"	1/4"	2,11
AMJ08MN06	3/4"	3/8"	1,55
AMJ08MN08	3/4"	1/2"	1,91
AMJ08MN12	3/4"	3/4"	3,99
AMJ10MN06	7/8"	3/8"	2,22
AMJ10MN08	7/8"	1/2"	2,22
AMJ10MN12	7/8"	3/4"	3,71
AMJ12MN08	1.1/16"	1/2"	3,76
AMJ12MN12	1.1/16"	3/4"	3,42
AMJ12MN16	1.1/16"	1"	7,13
AMJ16MN12	1.5/16"	3/4"	5,42
AMJ16MN16	1.5/16"	1"	5,42
AMJ20MN16	1.5/8"	1"	11,97
AMJ20MN20	1.5/8"	1.1/4"	12,54
AMJ24MN20	1.7/8"	1.1/4"	14,25
AMJ24MN24	1.7/8"	1.1/2"	15,68

**Adapter IG-JIC drehbar / AGR-K**

Connector Swivel Female JIC-BSPT

Адаптер IG-JIC вращающаяся / AGR-K



Artikel Code	JIC	BSPT	Euro
AFGJ04MGK02	7/16"	1/8"	3,71
AFGJ04MGK04	7/16"	1/4"	3,71
AFGJ05MGK02	1/2"	1/8"	3,71
AFGJ05MGK04	1/2"	1/4"	3,71
AFGJ06MGK04	9/16"	1/4"	3,93
AFGJ06MGK06	9/16"	3/8"	4,22
AFGJ08MGK04	3/4"	1/4"	4,85
AFGJ08MGK06	3/4"	3/8"	4,85
AFGJ08MGK08	3/4"	1/2"	5,02
AFGJ10MGK06	7/8"	3/8"	5,56
AFGJ10MGK08	7/8"	1/2"	5,70
AFGJ10MGK12	7/8"	3/4"	6,56
AFGJ12MGK08	1.1/16"	1/2"	7,13
AFGJ12MGK12	1.1/16"	3/4"	7,13
AFGJ12MGK16	1.1/16"	1"	9,12
AFGJ16MGK12	1.5/16"	3/4"	9,69
AFGJ16MGK16	1.5/16"	1"	10,55
AFGJ20MGK20	1.5/8"	1.1/4"	17,10
AFGJ24MGK20	1.7/8"	1.1/4"	26,79
AFGJ24MGK24	1.7/8"	1.1/2"	51,30

**Adapter IG-JIC drehbar / AG-NPT**

Connector Swivel Female JIC-NPT

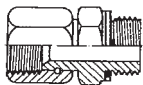
Адаптер IG-JIC вращающаяся / AG-NPT



Artikel Code	JIC	NPT	Euro
AFGJ04MN02	7/16"	1/8"	3,71
AFGJ04MN04	7/16"	1/4"	3,71
AFGJ05MN02	1/2"	1/8"	3,71
AFGJ05MN04	1/2"	1/4"	3,71
AFGJ06MN04	9/16"	1/4"	3,93
AFGJ06MN06	9/16"	3/8"	4,22
AFGJ08MN04	3/4"	1/4"	4,85
AFGJ08MN06	3/4"	3/8"	4,85
AFGJ08MN08	3/4"	1/2"	5,02
AFGJ10MN06	7/8"	3/8"	5,56
AFGJ10MN08	7/8"	1/2"	5,70
AFGJ10MN12	7/8"	3/4"	6,56
AFGJ12MN08	1.1/16"	1/2"	7,13
AFGJ12MN12	1.1/16"	3/4"	7,13
AFGJ12MN16	1.1/16"	1"	9,12
AFGJ16MN12	1.5/16"	3/4"	9,69
AFGJ16MN16	1.5/16"	1"	10,55
AFGJ20MN20	1.5/8"	1.1/4"	17,10
AFGJ24MN20	1.7/8"	1.1/4"	26,79
AFGJ24MN24	1.7/8"	1.1/2"	51,30

**Adapter IG-JIC drehbar / AGR-F mit O.R. und Halter**

Connector Swivel Female  
JIC-BSPP O.R. + Retaining Ring Seal

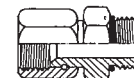


**Адаптер IG-JIC вращающаяся / AGR-F с кольцом и зажимом**

Artikel Code	JIC	BSPP	Euro
AFGJ04MG02R	7/16"	1/8"	2,31
AFGJ04MG04R	7/16"	1/4"	2,57
AFGJ04MG06R	7/16"	3/8"	4,56
AFGJ05MG02R	1/2"	1/8"	2,31
AFGJ05MG04R	1/2"	1/4"	2,57
AFGJ05MG06R	1/2"	3/8"	4,56
AFGJ06MG04R	9/16"	1/4"	2,45
AFGJ06MG06R	9/16"	3/8"	2,85
AFGJ06MG08R	9/16"	1/2"	3,76
AFGJ08MG04R	3/4"	1/4"	3,14
AFGJ08MG06R	3/4"	3/8"	3,14
AFGJ08MG08R	3/4"	1/2"	3,42
AFGJ10MG06R	7/8"	3/8"	4,28
AFGJ10MG08R	7/8"	1/2"	4,28
AFGJ10MG12R	7/8"	3/4"	7,70
AFGJ12MG08R	1.1/16"	1/2"	5,99
AFGJ12MG12R	1.1/16"	3/4"	6,84
AFGJ12MG16R	1.1/16"	1"	9,12
AFGJ16MG12R	1.5/16"	3/4"	8,84
AFGJ16MG16R	1.5/16"	1"	9,41
AFGJ16MG20R	1.5/16"	1.1/4"	15,68
AFGJ20MG16R	1.5/8"	1"	12,54
AFGJ20MG20R	1.5/8"	1.1/4"	13,79
AFGJ24MG20R	1.7/8"	1.1/4"	19,95
AFGJ24MG24R	1.7/8"	1.1/2"	24,23

**Adapter IG-JIC drehbar / AG-UNF + O.R.**

Connector Swivel Female  
JIC-BSPP + O.R. Seal



**Адаптер IG-JIC вращающаяся / AG-UNF + O.R.**

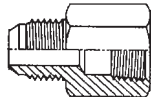
Artikel Code	JIC	UNF	Euro
AFGJ04MU04	7/16"	7/16"	3,88
AFGJ04MU05	7/16"	1/2"	4,67
AFGJ04MU06	7/16"	9/16"	4,67
AFGJ05MU05	1/2"	1/2"	4,38
AFGJ06MU06	9/16"	9/16"	4,65
AFGJ06MU08	9/16"	3/4"	6,00
AFGJ08MU08	3/4"	3/4"	5,66
AFGJ08MU10	3/4"	7/8"	7,40
AFGJ08MU12	3/4"	1.1/16"	8,69
AFGJ10MU08	7/8"	3/4"	7,38
AFGJ10MU10	7/8"	7/8"	7,27
AFGJ10MU12	7/8"	1.1/16"	9,61
AFGJ12MU08	1.1/16"	3/4"	8,39
AFGJ12MU10	1.1/16"	7/8"	9,32
AFGJ12MU12	1.1/16"	1.1/16"	9,29
AFGJ12MU16	1.1/16"	1.5/16"	11,40
AFGJ16MU12	1.5/16"	1.1/16"	13,51
AFGJ16MU16	1.5/16"	1.5/16"	13,11
AFGJ16MU20	1.5/16"	1.5/8"	16,13
AFGJ20MU20	1.5/8"	1.5/8"	17,96
AFGJ24MU24	1.7/8"	1.7/8"	27,93



### Adapter AG-JIC / IG-zöllig

Adaptor JIC-Female BSPP

Адаптер AG-JIC / IG-дюймовый

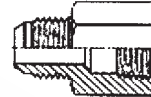


Artikel Code	JIC	BSPP	Euro
AMJ04FFG02	7/16"	1/8"	3,11
AMJ04FFG04	7/16"	1/4"	3,70
AMJ05FFG02	1/2"	1/8"	3,11
AMJ05FFG04	1/2"	1/4"	3,70
AMJ06FFG04	9/16"	1/4"	3,70
AMJ06FFG06	9/16"	3/8"	4,41
AMJ08FFG04	3/4"	1/4"	4,51
AMJ08FFG06	3/4"	3/8"	4,52
AMJ08FFG08	3/4"	1/2"	5,92
AMJ10FFG08	7/8"	1/2"	3,48
AMJ12FFG08	1.1/16"	1/2"	6,56
AMJ12FFG12	1.1/16"	3/4"	7,10
AMJ16FFG16	1.5/16"	1"	10,08
AMJ20FFG16	1.5/8"	1"	12,30
AMJ20FFG20	1.5/8"	1.1/4"	14,27
AMJ24FFG20	1.7/8"	1.1/4"	14,84
AMJ24FFG24	1.7/8"	1.1/2"	20,24

### Adapter AG-JIC / IG-NPT

Adaptor JIC-Female NPT

Адаптер AG-JIC / IG-NPT

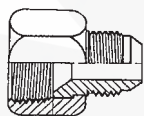


Artikel Code	JIC	NPT	Euro
AMJ04FFN02	7/16"	1/8"	3,42
AMJ04FFN04	7/16"	1/4"	4,07
AMJ05FFN02	1/2"	1/8"	3,42
AMJ05FFN04	1/2"	1/4"	4,07
AMJ06FFN04	9/16"	1/4"	4,07
AMJ06FFN06	9/16"	3/8"	4,85
AMJ08FFN04	3/4"	1/4"	4,97
AMJ08FFN06	3/4"	3/8"	4,97
AMJ08FFN08	3/4"	1/2"	6,50
AMJ10FFN08	7/8"	1/2"	3,82
AMJ12FFN08	1.1/16"	1/2"	7,21
AMJ12FFN12	1.1/16"	3/4"	7,81
AMJ16FFN16	1.5/16"	1"	11,09
AMJ20FFN20	1.5/8"	1.1/4"	15,69
AMJ24FFN24	1.7/8"	1.1/2"	22,29

### Reduzierung - IG-JIC (hinterlegte Mutter) / AG-JIC

Reducing Union JIC-Female JIC (Loose Nut)

Переходник - IG-JIC (накидная гайка) / AG-JIC

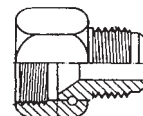


Artikel Code	JIC	JIC	Euro
AFGJ06MJ04	9/16"	7/16"	3,87
AFGJ08MJ04	3/4"	7/16"	3,76
AFGJ08MJ05	3/4"	1/2"	3,95
AFGJ08MJ06	3/4"	9/16"	4,03
AFGJ10MJ04	7/8"	7/16"	4,41
AFGJ10MJ06	7/8"	9/16"	4,81
AFGJ12MJ04	1.1/16"	7/16"	5,11
AFGJ12MJ06	1.1/16"	9/16"	5,05
AFGJ12MJ08	1.1/16"	3/4"	5,80
AFGJ16MJ12	1.5/16"	1.1/16"	7,24
AFGJ20MJ12	1.5/8"	1.1/16"	11,85
AFGJ20MJ16	1.5/8"	1.5/16"	11,85
AFGJ24MJ16	1.7/8"	1.5/8"	15,82

### Reduzierung - IG-JIC (gestiftete Mutter) / AG-JIC

Reducing Union JIC-Female JIC (Wire Nut)

Переходник - IG-JIC (гайка со штифтом) / AG-JIC



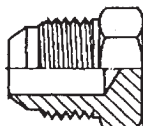
Artikel Code	JIC	JIC	Euro
AFGJ06MJ05	9/16"	1/2"	3,76
AFGJ10MJ08	7/8"	3/4"	4,33
AFGJ12MJ10	1.1/16"	7/8"	4,99



**Verschlusskappe AG-JIC**

Male JIC Plug

Заглушка AG-JIC

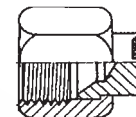


Artikel Code	JIC	-	Euro
ATMJ04	7/16"	-	0,65
ATMJ05	1/2"	-	0,67
ATMJ06	9/16"	-	0,77
ATMJ08	3/4"	-	1,49
ATMJ10	7/8"	-	1,79
ATMJ12	1.1/16"	-	2,62
ATMJ16	1.5/16"	-	3,87
ATMJ20	1.5/8"	-	7,98
ATMJ24	1.7/8"	-	13,94

**Verschlusskappe IG-JIC**

Female JIC Plug

Заглушка IG-JIC

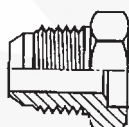


Artikel Code	JIC	-	Euro
ATFGJ04	7/16"	-	1,13
ATFGJ05	1/2"	-	1,19
ATFGJ06	9/16"	-	1,32
ATFGJ08	3/4"	-	1,54
ATFGJ10	7/8"	-	1,88
ATFGJ12	1.1/16"	-	2,63
ATFGJ16	1.5/16"	-	5,42
ATFGJ20	1.5/8"	-	9,59
ATFGJ24	1.7/8"	-	13,61

**Einschweißadapter passend für  
Hydraulikrohre AG-JIC**

Braze Connector Male JIC

Сварочный адаптер, подходит к гидравлической трубке AG-JIC

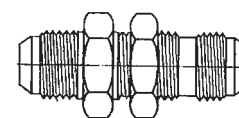


Artikel Code	JIC	Tube	Euro
AMNJ04T06	7/16"	6	0,71
AMNJ05T08	1/2"	8	0,74
AMNJ06T10	9/16"	10	0,84
AMNJ08T12	3/4"	12	1,64
AMNJ10T16	7/8"	16	1,97
AMNJ12T20	1.1/16"	20	2,88
AMNJ16T25	1.5/16"	25	4,26
AMNJ20T32	1.5/8"	32	8,78
AMNJ24T38	1.7/8"	38	13,94

**Schottadapter AG-JIC / AG-JIC**

Bulkhead Union JIC-JIC

Bulkhead адаптер AG-JIC / AG-JIC



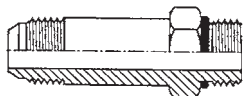
Artikel Code	JIC	JIC	Euro
APPMJ04	7/16"	7/16"	4,70
APPMJ05	1/2"	1/2"	4,70
APPMJ06	9/16"	9/16"	3,42
APPMJ08	3/4"	3/4"	3,42
APPMJ10	7/8"	7/8"	4,89
APPMJ12	1.1/16"	1.1/16"	7,26
APPMJ16	1.5/16"	1.5/16"	10,26
APPMJ20	1.5/8"	1.5/8"	19,02
APPMJ24	1.7/8"	1.7/8"	23,88



**Verlängerung AG-JIC / AG-UNF + O.R.**

Long Connector JIC-UNF + O.R. Seal

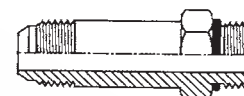
Удлинитель AG-JIC / AG-UNF + O.R.



**Verlängerung AG-JIC / AG-metrisch + O.R.**

Long Connector JIC-Metric + O.R. Seal

Удлинитель AG-JIC / AG-метрический + O.R.



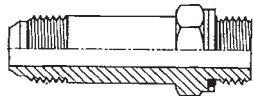
Artikel Code	JIC	UNF	Euro
AMJ04MU04L	7/16"	7/16"	5,89
AMJ04MU05L	7/16"	1/2"	6,77
AMJ04MU06L	7/16"	9/16"	6,84
AMJ05MU05L	1/2"	1/2"	6,77
AMJ06MU06L	9/16"	9/16"	5,94
AMJ06MU08L	9/16"	3/4"	9,67
AMJ08MU08L	3/4"	3/4"	8,43
AMJ08MU10L	3/4"	7/8"	12,27
AMJ08MU12L	3/4"	1.1/16"	11,96
AMJ10MU08L	7/8"	3/4"	10,32
AMJ10MU10L	7/8"	7/8"	11,33
AMJ10MU12L	7/8"	1.1/16"	13,22
AMJ12MU08L	1.1/16"	3/4"	12,32
AMJ12MU10L	1.1/16"	7/8"	13,34
AMJ12MU12L	1.1/16"	1.1/16"	12,79
AMJ12MU16L	1.1/16"	1.5/16"	14,22
AMJ16MU12L	1.5/16"	1.1/16"	14,08
AMJ16MU16L	1.5/16"	1.5/16"	14,47
AMJ16MU20L	1.5/16"	1.5/8"	18,89
AMJ20MU20L	1.5/8"	1.5/8"	22,86
AMJ24MU24L	1.7/8"	1.7/8"	30,32

Artikel Code	JIC	metrisch metric	Euro
AMJ04MM10L	7/16"	10x1	7,06
AMJ05MM10L	1/2"	10x1	6,24
AMJ05MM12L	1/2"	12x1.5	6,57
AMJ05MM14L	1/2"	14x1.5	6,86
AMJ06MM14L	9/16"	14x1.5	6,89
AMJ06MM16L	9/16"	16x1.5	9,54
AMJ08MM16L	3/4"	16x1.5	8,20
AMJ08MM18L	3/4"	18x1.5	9,57
AMJ10MM18L	7/8"	18x1.5	9,94
AMJ10MM22L	7/8"	22x1.5	10,83
AMJ12MM22L	1.1/16"	22x1.5	12,44
AMJ12MM27L	1.1/16"	27x2	14,36
AMJ16MM27L	1.5/16"	27x2	18,41
AMJ16MM33L	1.5/16"	33x2	17,88
AMJ20MM42L	1.5/8"	42x2	26,59
AMJ24MM48L	1.7/8"	48x2	39,35

**Verlängerung AG-JIC / AG-metrisch  
mit O.R. und Halter**

Long Connector JIC-Metric +  
O.R. + Retaining Seal

Удлинитель AG-JIC /  
AG-метрический с кольцом и зажимом

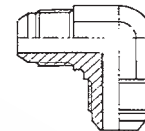


Artikel Code	JIC	metrisch metric	Euro
AMJ04MM10RL	7/16"	10x1	7,27
AMJ05MM10RL	1/2"	10x1	6,43
AMJ05MM12RL	1/2"	12x1.5	6,76
AMJ05MM14RL	1/2"	14x1.5	7,06
AMJ06MM14RL	9/16"	14x1.5	7,10
AMJ06MM16RL	9/16"	16x1.5	9,82
AMJ08MM16RL	3/4"	16x1.5	8,44
AMJ08MM18RL	3/4"	18x1.5	9,86
AMJ10MM18RL	7/8"	18x1.5	10,24
AMJ10MM22RL	7/8"	22x1.5	11,15
AMJ12MM22RL	1.1/16"	22x1.5	12,81
AMJ12MM27RL	1.1/16"	27x2	14,79
AMJ16MM27RL	1.5/16"	27x2	18,96
AMJ16MM33RL	1.5/16"	33x2	18,42
AMJ20MM42RL	1.5/8"	42x2	27,39
AMJ24MM48RL	1.7/8"	48x2	40,53

**Adapter 90° GSK - AG-JIC / AG-JIC**

90° Union Elbow JIC-JIC

Адаптер 90° GSK - AG-JIC / AG-JIC



Artikel Code	JIC	JIC	Euro
LMJ04	7/16"	7/16"	2,94
LMJ05	1/2"	1/2"	3,08
LMJ06	9/16"	9/16"	3,08
LMJ08	3/4"	3/4"	3,60
LMJ10	7/8"	7/8"	4,99
LMJ12	1.1/16"	1.1/16"	6,70
LMJ16	1.5/16"	1.5/16"	10,15
LMJ20	1.5/8"	1.5/8"	19,61
LMJ24	1.7/8"	1.7/8"	31,35

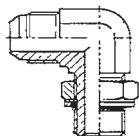




**Adapter 90° GSK - AG-JIC / AG-UNF mit O.R.**

90° Elbow JIC-UNF O.R. Seal

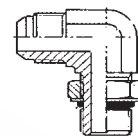
**Адаптер 90° GSK - AG-JIC / AG-UNF + O.R.**



**Adapter 90° GSK - AG-JIC / AG-metrisch mit O.R. ohne Halter**

90° Elbow JIC-Metric O.R. Seal

**Адаптер 90° GSK - AG-JIC / AG-метрический с кольцом без зажима**



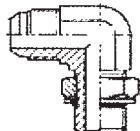
Artikel Code	JIC	UNF	Euro
LMJ04MOU04	7/16"	7/16"	4,28
LMJ04MOU05	7/16"	1/2"	5,13
LMJ04MOU06	7/16"	9/16"	5,13
LMJ05MOU05	1/2"	1/2"	4,41
LMJ06MOU06	9/16"	9/16"	4,41
LMJ06MOU08	9/16"	3/4"	5,24
LMJ08MOU08	3/4"	3/4"	5,13
LMJ08MOU10	3/4"	7/8"	6,61
LMJ08MOU12	3/4"	1.1/16"	10,63
LMJ10MOU08	7/8"	3/4"	6,95
LMJ10MOU10	7/8"	7/8"	6,61
LMJ10MOU12	7/8"	1.1/16"	9,66
LMJ12MOU08	1.1/16"	3/4"	9,66
LMJ12MOU10	1.1/16"	7/8"	8,78
LMJ12MOU12	1.1/16"	1.1/16"	8,78
LMJ12MOU16	1.1/16"	1.5/16"	18,01
LMJ16MOU12	1.5/16"	1.1/16"	18,01
LMJ16MOU16	1.5/16"	1.5/16"	14,36
LMJ16MOU20	1.5/16"	1.5/8"	23,71
LMJ20MOU20	1.5/8"	1.5/8"	23,71
LMJ24MOU20	1.7/8"	1.7/8"	37,05

Artikel Code	JIC	metrisch metric	Euro
LMJ04MOM10	7/16"	10x1	6,27
LMJ04MOM12	7/16"	12x1,5	7,13
LMJ05MOM10	1/2"	10x1	7,13
LMJ05MOM12	1/2"	12x1,5	6,27
LMJ05MOM14	1/2"	14x1,5	6,27
LMJ06MOM14	9/16"	14x1,5	6,27
LMJ06MOM16	9/16"	16x1,5	7,98
LMJ08MOM16	3/4"	16x1,5	7,98
LMJ08MOM18	3/4"	18x1,5	7,98
LMJ10MOM18	7/8"	18x1,5	8,21
LMJ10MOM22	7/8"	22x1,5	9,01
LMJ12MOM22	1.1/16"	22x1,5	14,25
LMJ12MOM27	1.1/16"	27x2	13,68
LMJ16MOM27	1.5/16"	27x2	16,87
LMJ16MOM33	1.5/16"	33x2	16,87
LMJ20MOM42	1.5/8"	42x2	28,50
LMJ24MOM48	1.7/8"	48x2	35,91

**Adapter 90° GSK - AG-JIC / AG-metrisch mit O.R. und Halter**

90° Elbow JIC-Metric O.R. + Retaining Seal

Адаптер 90° GSK - AG-JIC / AG-метрический с кольцом и зажимом

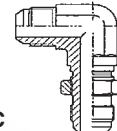


Artikel Code	JIC	metrisch metric	Euro
LMJ04MOM10R	7/16"	10x1	6,46
LMJ04MOM12R	7/16"	12x1,5	7,34
LMJ05MOM10R	1/2"	10x1	7,34
LMJ05MOM12R	1/2"	12x1,5	6,46
LMJ05MOM14R	1/2"	14x1,5	6,46
LMJ06MOM14R	9/16"	14x1,5	6,46
LMJ06MOM16R	9/16"	16x1,5	8,22
LMJ08MOM16R	3/4"	16x1,5	8,22
LMJ08MOM18R	3/4"	18x1,5	8,22
LMJ10MOM18R	7/8"	18x1,5	8,45
LMJ10MOM22R	7/8"	22x1,5	9,28
LMJ12MOM22R	1.1/16"	22x1,5	14,68
LMJ12MOM27R	1.1/16"	27x2	14,09
LMJ16MOM27R	1.5/16"	27x2	17,38
LMJ16MOM33R	1.5/16"	33x2	17,38
LMJ20MOM42R	1.5/8"	42x2	29,36
LMJ24MOM48R	1.7/8"	48x2	36,99

**Adapter 90° GSK - Schottadapter - AG-JIC / AG-JIC**

90° Bulkhead Elbow JIC-JIC

Адаптер 90° GSK -Bulkhead AG-JIC / AG-JIC



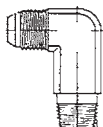
Artikel Code	JIC	JIC	Euro
LPPMJ04	7/16"	7/16"	11,97
LPPMJ05	1/2"	1/2"	7,70
LPPMJ06	9/16"	9/16"	7,70
LPPMJ08	3/4"	3/4"	8,55
LPPMJ10	7/8"	7/8"	10,26
LPPMJ12	1.1/16"	1.1/16"	14,82
LPPMJ16	1.5/16"	1.5/16"	19,95
LPPMJ20	1.5/8"	1.5/8"	34,20
LPPMJ24	1.7/8"	1.7/8"	54,72



**Adapter 90° GSK - AG-JIC / AGR-K  
Verlängerung**

90° Long Elbow JIC-BSPT

**Адаптер 90° GSK - AG-JIC / AGR-K  
удлинитель**

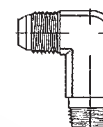


Artikel Code	JIC	BSPT	Euro
LMJ04MGK02L	7/16"	1/8"	*
LMJ04MGK04L	7/16"	1/4"	*
LMJ05MGK02L	1/2"	1/8"	*
LMJ05MGK04L	1/2"	1/4"	*
LMJ06MGK02L	9/16"	1/8"	*
LMJ06MGK04L	9/16"	1/4"	*
LMJ06MGK06L	9/16"	3/8"	*
LMJ08MGK04L	3/4"	1/4"	*
LMJ08MGK06L	3/4"	3/8"	*
LMJ08MGK08L	3/4"	1/2"	*
LMJ10MGK06L	7/8"	3/8"	*
LMJ10MGK08L	7/8"	1/2"	*
LMJ10MGK12L	7/8"	3/4"	*
LMJ12MGK08L	1.1/16"	1/2"	*
LMJ12MGK12L	1.1/16"	3/4"	*
LMJ16MGK12L	1.5/16"	3/4"	*
LMJ16MGK16L	1.5/16"	1"	*
LMJ20MGK16L	1.5/8"	1"	*
LMJ20MGK20L	1.5/8"	1.1/4"	*
LMJ24MGK24L	1.7/8"	1.1/2"	*

**Adapter 90° GSK - AG-JIC / AG-NPT  
Verlängerung**

90° Long Elbow JIC-NPT

**Адаптер 90° GSK - AG-JIC / AG-NPT  
удлинитель**

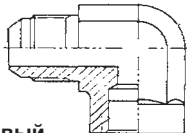


Artikel Code	JIC	NPT	Euro
LMJ04MN02L	7/16"	1/8"	*
LMJ04MN04L	7/16"	1/4"	*
LMJ05MN02L	1/2"	1/8"	*
LMJ05MN04L	1/2"	1/4"	*
LMJ06MN02L	9/16"	1/8"	*
LMJ06MN04L	9/16"	1/4"	*
LMJ06MN06L	9/16"	3/8"	*
LMJ08MN04L	3/4"	1/4"	*
LMJ08MN06L	3/4"	3/8"	*
LMJ08MN08L	3/4"	1/2"	*
LMJ10MN06L	7/8"	3/8"	*
LMJ10MN08L	7/8"	1/2"	*
LMJ10MN12L	7/8"	3/4"	*
LMJ12MN08L	1.1/16"	1/2"	*
LMJ12MN12L	1.1/16"	3/4"	*
LMJ16MN12L	1.5/16"	3/4"	*
LMJ16MN16L	1.5/16"	1"	*
LMJ20MN16L	1.5/8"	1"	*
LMJ20MN20L	1.5/8"	1.1/4"	*
LMJ24MN24L	1.7/8"	1.1/2"	*

**Adapter 90° GSK - AG-JIC / IG-zöllig**

90° Elbow Adapter JIC-Female BSP

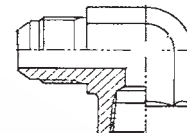
Адаптер 90° GSK - AG-JIC / IG-дюймовый



**Adapter 90° GSK - AG-JIC / IG-NPT**

90° Elbow Adapter JIC-Female NPT

Адаптер 90° GSK - AG-JIC / IG-NPT



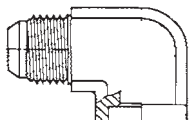
Artikel Code	JIC	BSP	Euro
LMJ04FFG02	7/16"	1/8"	8,98
LMJ04FFG04	7/16"	1/4"	10,86
LMJ05FFG02	1/2"	1/8"	8,99
LMJ05FFG04	1/2"	1/4"	10,87
LMJ06FFG02	9/16"	1/8"	10,27
LMJ06FFG04	9/16"	1/4"	9,51
LMJ06FFG06	9/16"	3/8"	11,61
LMJ08FFG04	3/4"	1/4"	10,75
LMJ08FFG06	3/4"	3/8"	10,29
LMJ10FFG08	7/8"	1/2"	11,50
LMJ12FFG08	1.1/16"	1/2"	12,73
LMJ12FFG12	1.1/16"	3/4"	14,53
LMJ16FFG16	1.5/16"	1"	18,29
LMJ20FFG16	1.5/8"	1"	29,17
LMJ20FFG20	1.5/8"	1.1/4"	29,17
LMJ24FFG20	1.7/8"	1.1/4"	51,78
LMJ24FFG24	1.7/8"	1.1/2"	48,75

Artikel Code	JIC	NPT	Euro
LMJ04FFN02	7/16"	1/8"	8,98
LMJ04FFN04	7/16"	1/4"	10,86
LMJ05FFN02	1/2"	1/8"	8,99
LMJ05FFN04	1/2"	1/4"	10,87
LMJ06FFN02	9/16"	1/8"	10,27
LMJ06FFN04	9/16"	1/4"	9,51
LMJ06FFN06	9/16"	3/8"	11,61
LMJ08FFN04	3/4"	1/4"	10,75
LMJ08FFN06	3/4"	3/8"	10,29
LMJ10FFN08	7/8"	1/2"	11,50
LMJ12FFN08	1.1/16"	1/2"	12,73
LMJ12FFN12	1.1/16"	3/4"	14,53
LMJ16FFN16	1.5/16"	1"	18,29
LMJ20FFN20	1.5/8"	1.1/4"	29,17
LMJ24FFN24	1.7/8"	1.1/2"	48,75

**Adapter Einschweißwinkel 90° GSK - AG-JIC mit Rohranschluß**

90° Elbow Connector JIC Braze Female

Сварочный адаптер 90° GSK - AG-JIC трубное соединение

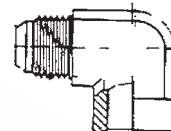


Artikel Code	JIC	Tube	Euro
LMJ04T06	7/16"	6	4,39
LMJ05T10	1/2"	10	4,61
LMJ06T10	9/16"	10	4,61
LMJ06T12	9/16"	12	4,61
LMJ08T12	3/4"	12	5,39
LMJ08T16	3/4"	16	5,39
LMJ10T14	7/8"	14	7,46
LMJ10T16	7/8"	16	7,46
LMJ10T18	7/8"	18	7,46
LMJ10T22	7/8"	22	7,46
LMJ12T18	1.1/16"	18	9,58
LMJ12T20	1.1/16"	20	9,58
LMJ12T25	1.1/16"	25	9,58
LMJ16T25	1.5/16"	25	14,51
LMJ16T32	1.5/16"	32	14,51
LMJ20T30	1.5/8"	30	21,57
LMJ20T32	1.5/8"	32	21,57
LMJ20T38	1.5/8"	38	21,57
LMJ24T38	1.7/8"	38	34,49

**Adapter Anschweißwinkel 90° GSK - AG-JIC**

90° Elbow JIC-Buttweld

Сварочный адаптер 90° GSK - AG-JIC



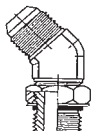
Artikel Code	JIC	Ø	Euro
LMJ04W	7/16"	15	3,82
LMJ05W	1/2"	15	4,00
LMJ06W	9/16"	15	4,00
LMJ08W	3/4"	20	4,69
LMJ10W	7/8"	23	6,49
LMJ12W	1.1/16"	28	8,71
LMJ16W	1.5/16"	35	13,19
LMJ20W	1.5/8"	42	19,61
LMJ24W	1.7/8"	50	31,35



**Adapter 45° GSK - AG-JIC / AG-UNF + O.R.**

45° Elbow JIC-UNF O.R. Seal

Адаптер 45° GSK - AG-JIC / AG-UNF + O.R.

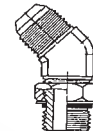


Artikel Code	JIC	UNF	Euro
QMJO4MOU04	7/16"	7/16"	5,34
QMJO4MOU05	7/16"	1/2"	6,41
QMJO4MOU06	7/16"	9/16"	6,41
QMJO5MOU05	1/2"	1/2"	5,52
QMJO6MOU06	9/16"	9/16"	5,52
QMJO6MOU08	9/16"	3/4"	6,56
QMJO8MOU08	3/4"	3/4"	6,41
QMJO8MOU10	3/4"	7/8"	8,27
QMJO8MOU12	3/4"	1.1/16"	13,28
QMJO10MOU08	7/8"	3/4"	8,69
QMJO10MOU10	7/8"	7/8"	8,27
QMJO10MOU12	7/8"	1.1/16"	12,07
QMJO12MOU08	1.1/16"	3/4"	12,07
QMJO12MOU10	1.1/16"	7/8"	10,97
QMJO12MOU12	1.1/16"	1.1/16"	10,97
QMJO12MOU16	1.1/16"	1.5/16"	22,52
QMJO16MOU12	1.5/16"	1.1/16"	22,52
QMJO16MOU16	1.5/16"	1.5/16"	17,96
QMJO16MOU20	1.5/16"	1.5/8"	29,64
QMJO20MOU20	1.5/8"	1.5/8"	29,64
QMJO24MOU20	1.7/8"	1.7/8"	46,31

**Adapter 45° GSK - AG-JIC / AG-metrisch + O.R.**

45° Elbow JIC-Metric O.R. Seal

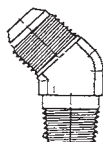
Адаптер 45° GSK - AG-JIC / AG-метрический + O.R.



Artikel Code	JIC	metrisch metric	Euro
QMJO4MOM10	7/16"	10x1	7,84
QMJO4MOM12	7/16"	12x1,5	8,91
QMJO5MOM10	1/2"	10x1	8,91
QMJO5MOM12	1/2"	12x1,5	7,84
QMJO5MOM14	1/2"	14x1,5	7,84
QMJO6MOM14	9/16"	14x1,5	7,84
QMJO6MOM16	9/16"	16x1,5	9,98
QMJO8MOM16	3/4"	16x1,5	9,98
QMJO8MOM18	3/4"	18x1,5	9,98
QMJO10MOM18	7/8"	18x1,5	10,26
QMJO10MOM22	7/8"	22x1,5	11,26
QMJO12MOM22	1.1/16"	22x1,5	17,81
QMJO12MOM27	1.1/16"	27x2	17,10
QMJO16MOM27	1.5/16"	27x2	21,09
QMJO16MOM33	1.5/16"	33x2	21,09
QMJO20MOM42	1.5/8"	42x2	35,63
QMJO24MOM48	1.7/8"	48x2	44,89



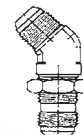
**Adapter 45° GSK - AG-JIC / AG-NPT**  
45° Union Elbow JIC-NPT  
**Адаптер 45° GSK - AG-JIC / AG-NPT**



**Adapter 45° GSK - Schottadapter - AG-JIC / AG-JIC**

45° Bulkhead Elbow JIC-JIC

**Адаптер 45° GSK -Bulkhead AG-JIC / AG-JIC**



Artikel Code	JIC	NPT	Euro
QMJO4MN02	7/16"	1/8"	4,70
QMJO4MN04	7/16"	1/4"	4,56
QMJO5MN02	1/2"	1/8"	4,70
QMJO5MN04	1/2"	1/4"	4,56
QMJO6MN02	9/16"	1/8"	6,13
QMJO6MN04	9/16"	1/4"	4,70
QMJO6MN06	9/16"	3/8"	5,27
QMJO6MN08	9/16"	1/2"	9,05
QMJO8MN04	3/4"	1/4"	5,27
QMJO8MN06	3/4"	3/8"	5,27
QMJO8MN08	3/4"	1/2"	6,95
QMJO8MN12	3/4"	3/4"	12,68
QMJO10MN06	7/8"	3/8"	6,41
QMJO10MN08	7/8"	1/2"	6,06
QMJO10MN12	7/8"	3/4"	9,26
QMJO12MN08	1.1/16"	1/2"	9,76
QMJO12MN12	1.1/16"	3/4"	9,26
QMJO16MN12	1.5/16"	3/4"	19,30
QMJO16MN16	1.5/16"	1"	18,38
QMJO20MN16	1.5/8"	1"	18,38
QMJO20MN20	1.5/8"	1.1/4"	28,50
QMJO24MN20	1.7/8"	1.1/4"	28,50
QMJO24MN24	1.7/8"	1.1/2"	39,19

Artikel Code	JIC	JIC	Euro
QPPMJ04	7/16"	7/16"	14,96
QPPMJ05	1/2"	1/2"	9,62
QPPMJ06	9/16"	9/16"	9,62
QPPMJ08	3/4"	3/4"	10,69
QPPMJ10	7/8"	7/8"	12,83
QPPMJ12	1.1/16"	1.1/16"	18,53
QPPMJ16	1.5/16"	1.5/16"	24,94
QPPMJ20	1.5/8"	1.5/8"	42,75
QPPMJ24	1.7/8"	1.7/8"	68,40

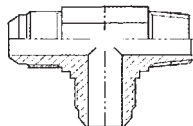




**Adapter T-Stück 2 x AG-JIC /  
1 x AGR-K (Arm)**

Run Tee JIC-BSPT

**Адаптер -тройник 2 x AG-JIC /  
1 x AGR-K  
(боковое соединение)**

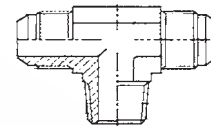


Artikel Code	JIC	BSPT	Euro
TMJ04MGK02B	7/16"	1/8"	6,16
TMJ04MGK04B	7/16"	1/4"	7,41
TMJ05MGK02B	1/2"	1/8"	7,41
TMJ05MGK04B	1/2"	1/4"	8,55
TMJ06MGK04B	9/16"	1/4"	8,55
TMJ06MGK06B	9/16"	3/8"	10,83
TMJ08MGK06B	3/4"	3/8"	10,55
TMJ08MGK08B	3/4"	1/2"	12,83
TMJ10MGK06B	7/8"	3/8"	12,83
TMJ10MGK08B	7/8"	1/2"	12,83
TMJ10MGK12B	7/8"	3/4"	17,10
TMJ12MGK08B	1.1/16"	1/2"	17,10
TMJ12MGK12B	1.1/16"	3/4"	17,10
TMJ16MGK12B	1.5/16"	3/4"	22,80
TMJ16MGK16B	1.5/16"	1"	22,80
TMJ20MGK16B	1.5/8"	1"	30,78
TMJ20MGK20B	1.5/8"	1.1/4"	30,78
TMJ24MGK24B	1.7/8"	1.1/2"	44,12

**Adapter T-Stück 2 x AG-JIC /  
1 x AG-NPT (Fuß)**

Branch Tee JIC-NPT

**Адаптер -тройник 2 x AG-JIC /  
1 x AG-NPT  
(центральное соединение)**

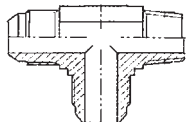


Artikel Code	JIC	NPT	Euro
TMJ04MN02P	7/16"	1/8"	6,16
TMJ04MN04P	7/16"	1/4"	7,41
TMJ05MN02P	1/2"	1/8"	7,41
TMJ05MN04P	1/2"	1/4"	8,55
TMJ06MN04P	9/16"	1/4"	8,55
TMJ06MN06P	9/16"	3/8"	10,83
TMJ08MN06P	3/4"	3/8"	10,55
TMJ08MN08P	3/4"	1/2"	12,83
TMJ10MN06P	7/8"	3/8"	12,83
TMJ10MN08P	7/8"	1/2"	12,83
TMJ10MN12P	7/8"	3/4"	17,10
TMJ12MN08P	1.1/16"	1/2"	17,10
TMJ12MN12P	1.1/16"	3/4"	17,10
TMJ16MN12P	1.5/16"	3/4"	22,80
TMJ16MN16P	1.5/16"	1"	22,80
TMJ20MN16P	1.5/8"	1"	30,78
TMJ20MN20P	1.5/8"	1.1/4"	30,78
TMJ24MN24P	1.7/8"	1.1/2"	44,12

**Adapter T-Stück 2 x AG-JIC / 1 x AG-NPT (Arm)**

Run Tee JIC-NPT

**Адаптер -тройник 2 x AG-JIC / 1 x AG-NPT (боковое соединение)**

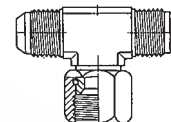


Artikel Code	JIC	NPT	Euro
TMJ04MN02B	7/16"	1/8"	6,16
TMJ04MN04B	7/16"	1/4"	7,41
TMJ05MN02B	1/2"	1/8"	7,41
TMJ05MN04B	1/2"	1/4"	8,55
TMJ06MN04B	9/16"	1/4"	8,55
TMJ06MN06B	9/16"	3/8"	10,83
TMJ08MN06B	3/4"	3/8"	10,55
TMJ08MN08B	3/4"	1/2"	12,83
TMJ10MN06B	7/8"	3/8"	12,83
TMJ10MN08B	7/8"	1/2"	12,83
TMJ10MN12B	7/8"	3/4"	17,10
TMJ12MN08B	1.1/16"	1/2"	17,10
TMJ12MN12B	1.1/16"	3/4"	17,10
TMJ16MN12B	1.5/16"	3/4"	22,80
TMJ16MN16B	1.5/16"	1"	22,80
TMJ20MN16B	1.5/8"	1"	30,78
TMJ20MN20B	1.5/8"	1.1/4"	30,78
TMJ24MN24B	1.7/8"	1.1/2"	44,12

**Adapter T-Stück 2 x AG-JIC / 1 x IG-JIC drehbare Mutter (Fuß)**

Swivel Branch Tee JIC

**Адаптер -тройник 2 x AG-JIC / 1 x IG-JIC вращающаяся гайка (центральное соединение)**

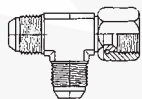


Artikel Code	JIC	JIC	Euro
TMJ04FGJ04P	7/16"	7/16"	5,13
TMJ05FGJ05P	1/2"	1/2"	5,36
TMJ06FGJ06P	9/16"	9/16"	5,13
TMJ08FGJ08P	3/4"	3/4"	6,16
TMJ10FGJ10P	7/8"	7/8"	7,75
TMJ12FGJ12P	1.1/16"	1.1/16"	10,83
TMJ16FGJ16P	1.5/16"	1.5/16"	17,10
TMJ20FGJ20P	1.5/8"	1.5/8"	28,50
TMJ24FGJ24P	1.7/8"	1.7/8"	54,15

**Adapter T-Stück 2 x AG-JIC / 1 x IG-JIC drehbare Mutter (Arm)**

Swivel Run Tee JIC

**Адаптер -тройник 2 x AG-JIC / 1 x IG-JIC вращающаяся гайка (боковое соединение)**



Artikel Code	JIC	JIC	Euro
TMJ04FGJ04B	7/16"	7/16"	5,13
TMJ05FGJ05B	1/2"	1/2"	5,36
TMJ06FGJ06B	9/16"	9/16"	5,13
TMJ08FGJ08B	3/4"	3/4"	6,16
TMJ10FGJ10B	7/8"	7/8"	7,75
TMJ12FGJ12B	1.1/16"	1.1/16"	10,83
TMJ16FGJ16B	1.5/16"	1.5/16"	17,10
TMJ20FGJ20B	1.5/8"	1.5/8"	28,50
TMJ24FGJ24B	1.7/8"	1.7/8"	54,15

**Adapter T-Stück 2 x AG-JIC / 1 x AGR-F mit O.R. und Halter (Fuß)**

Branch Tee JIC-BSPP O.R. + Retaining Ring Seal

**Адаптер -тройник 2 x AG-JIC / 1 x AGR-F с кольцом и зажимом (центральное соединение)**

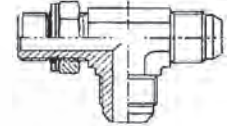


Artikel Code	JIC	BSPP	Euro
TMJ04MOG02P	7/16"	1/8"	6,27
TMJ04MOG04P	7/16"	1/4"	6,04
TMJ04MOG06P	7/16"	3/8"	11,40
TMJ04MOG08P	7/16"	1/2"	13,68
TMJ05MOG02P	1/2"	1/8"	8,55
TMJ05MOG04P	1/2"	1/4"	6,04
TMJ05MOG06P	1/2"	3/8"	8,55
TMJ06MOG04P	9/16"	1/4"	6,04
TMJ06MOG06P	9/16"	3/8"	8,55
TMJ06MOG08P	9/16"	1/2"	11,40
TMJ08MOG04P	3/4"	1/4"	8,55
TMJ08MOG06P	3/4"	3/8"	7,98
TMJ08MOG08P	3/4"	1/2"	11,40
TMJ08MOG12P	3/4"	3/4"	18,24
TMJ10MOG06P	7/8"	3/8"	11,17
TMJ10MOG08P	7/8"	1/2"	9,29
TMJ10MOG12P	7/8"	3/4"	15,39
TMJ12MOG08P	1.1/16"	1/2"	15,39
TMJ12MOG12P	1.1/16"	3/4"	13,68
TMJ12MOG16P	1.1/16"	1"	21,95
TMJ16MOG12P	1.5/16"	3/4"	21,95
TMJ16MOG16P	1.5/16"	1"	21,95
TMJ16MOG20P	1.5/16"	1.1/4"	36,14
TMJ20MOG16P	1.5/8"	1"	36,14
TMJ20MOG20P	1.5/8"	1.1/4"	36,14
TMJ24MOG20P	1.7/8"	1.1/4"	48,45
TMJ24MOG24P	1.7/8"	1.1/2"	48,45

**Adapter T-Stück 2 x AG-JIC / 1 x AGR-F mit O.R. und Halter (Arm)**

Run Tee JIC-BSPP O.R. + Retaining Ring Seal

**Адаптер -тройник 2 x AG-JIC / 1 x AGR-F с кольцом и зажимом (боковое соединение)**

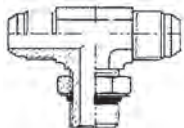


Artikel Code	JIC	BSPP	Euro
TMJ04MOG02B	7/16"	1/8"	6,27
TMJ04MOG04B	7/16"	1/4"	6,04
TMJ04MOG06B	7/16"	3/8"	11,40
TMJ04MOG08B	7/16"	1/2"	13,68
TMJ05MOG02B	1/2"	1/8"	8,55
TMJ05MOG04B	1/2"	1/4"	6,04
TMJ05MOG06B	1/2"	3/8"	8,55
TMJ06MOG04B	9/16"	1/4"	6,04
TMJ06MOG06B	9/16"	3/8"	8,55
TMJ06MOG08B	9/16"	1/2"	11,40
TMJ08MOG04B	3/4"	1/4"	8,55
TMJ08MOG06B	3/4"	3/8"	7,98
TMJ08MOG08B	3/4"	1/2"	11,40
TMJ08MOG12B	3/4"	3/4"	18,24
TMJ10MOG06B	7/8"	3/8"	11,17
TMJ10MOG08B	7/8"	1/2"	9,29
TMJ10MOG12B	7/8"	3/4"	15,39
TMJ12MOG08B	1.1/16"	1/2"	15,39
TMJ12MOG12B	1.1/16"	3/4"	13,68
TMJ12MOG16B	1.1/16"	1"	21,95
TMJ16MOG12B	1.5/16"	3/4"	21,95
TMJ16MOG16B	1.5/16"	1"	21,95
TMJ16MOG20B	1.5/16"	1.1/4"	36,14
TMJ20MOG16B	1.5/8"	1"	36,14
TMJ20MOG20B	1.5/8"	1.1/4"	36,14
TMJ24MOG20B	1.7/8"	1.1/4"	48,45
TMJ24MOG24B	1.7/8"	1.1/2"	48,45

**Adapter T-Stück 2 x AG-JIC /  
1 x AG-UNF + O.R. (Fuß)**

Branch Tee JIC UNF O.R. Seal

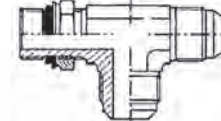
**Адаптер -тройник 2 x AG-JIC /  
1 x AG-UNF + O.R.  
(центральное соединение)**



**Adapter T-Stück 2 x AG-JIC /  
1 x AG-UNF + O.R. (Arm)**

Run Tee JIC-UNF O.R. Seal

**Адаптер -тройник 2 x AG-JIC /  
1 x AG-UNF + O.R.  
(боковое соединение)**



Artikel Code	JIC	UNF	Euro
TMJ04MOU04P	7/16"	7/16"	6,38
TMJ04MOU05P	7/16"	1/2"	11,12
TMJ04MOU06P	7/16"	9/16"	11,12
TMJ05MOU05P	1/2"	1/2"	8,55
TMJ06MOU06P	9/16"	9/16"	8,55
TMJ06MOU08P	9/16"	3/4"	11,12
TMJ08MOU08P	3/4"	3/4"	8,55
TMJ08MOU10P	3/4"	7/8"	15,39
TMJ08MOU12P	3/4"	1.1/16"	20,86
TMJ10MOU08P	7/8"	3/4"	15,39
TMJ10MOU10P	7/8"	7/8"	12,83
TMJ10MOU12P	7/8"	1.1/16"	19,95
TMJ12MOU08P	1.1/16"	3/4"	19,95
TMJ12MOU10P	1.1/16"	7/8"	19,95
TMJ12MOU12P	1.1/16"	1.1/16"	17,39
TMJ12MOU16P	1.1/16"	1.5/16"	24,23
TMJ16MOU12P	1.5/16"	1.1/16"	24,23
TMJ16MOU16P	1.5/16"	1.5/16"	24,23
TMJ16MOU20P	1.5/16"	1.5/8"	36,14
TMJ20MOU20P	1.5/8"	1.5/8"	36,14
TMJ24MOU24P	1.7/8"	1.7/8"	48,45

Artikel Code	JIC	UNF	Euro
TMJ04MOU04B	7/16"	7/16"	6,38
TMJ04MOU05B	7/16"	1/2"	11,12
TMJ04MOU06B	7/16"	9/16"	11,12
TMJ05MOU05B	1/2"	1/2"	8,55
TMJ06MOU06B	9/16"	9/16"	8,55
TMJ06MOU08B	9/16"	3/4"	11,12
TMJ08MOU08B	3/4"	3/4"	8,55
TMJ08MOU10B	3/4"	7/8"	15,39
TMJ08MOU12B	3/4"	1.1/16"	20,86
TMJ10MOU08B	7/8"	3/4"	15,39
TMJ10MOU10B	7/8"	7/8"	12,83
TMJ10MOU12B	7/8"	1.1/16"	19,95
TMJ12MOU08B	1.1/16"	3/4"	19,95
TMJ12MOU10B	1.1/16"	7/8"	19,95
TMJ12MOU12B	1.1/16"	1.1/16"	17,39
TMJ12MOU16B	1.1/16"	1.5/16"	24,23
TMJ16MOU12B	1.5/16"	1.1/16"	24,23
TMJ16MOU16B	1.5/16"	1.5/16"	24,23
TMJ16MOU20B	1.5/16"	1.5/8"	36,14
TMJ20MOU20B	1.5/8"	1.5/8"	36,14
TMJ24MOU24B	1.7/8"	1.7/8"	48,45

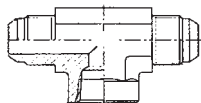




**Adapter T-Stück 2 x AG-JIC /  
1 x IG-zöllig (Fuß)**

Branch Tee JIC-Female BSPP

**Адаптер -тройник 2 x AG-JIC /  
1 x IG-дюймовый  
( центральное соединение)**

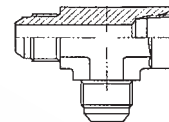


Artikel Code	JIC	BSPP	Euro
TMJ04FFG02P	7/16"	1/8"	12,20
TMJ04FFG04P	7/16"	1/4"	12,83
TMJ04FFG06P	7/16"	3/8"	16,25
TMJ05FFG02P	1/2"	1/8"	12,20
TMJ05FFG04P	1/2"	1/4"	12,83
TMJ06FFG04P	9/16"	1/4"	12,83
TMJ06FFG06P	9/16"	3/8"	16,25
TMJ08FFG04P	3/4"	1/4"	12,83
TMJ08FFG06P	3/4"	3/8"	14,25
TMJ08FFG08P	3/4"	1/2"	17,90
TMJ10FFG08P	7/8"	1/2"	17,90
TMJ12FFG08P	1.1/16"	1/2"	17,90
TMJ12FFG12P	1.1/16"	3/4"	20,86
TMJ16FFG16P	1.5/16"	1"	30,21
TMJ20FFG16P	1.5/8"	1"	42,75
TMJ20FFG20P	1.5/8"	1.1/4"	42,75
TMJ24FFG20P	1.7/8"	1.1/4"	*
TMJ24FFG24P	1.7/8"	1.1/2"	*

**Adapter T-Stück 2 x AG-JIC /  
1 x IG-zöllig (Arm)**

Run Tee JIC-Female BSPP

**Адаптер -тройник 2 x AG-JIC /  
1 x IG-дюймовый (боковое соединение)**

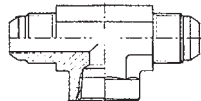


Artikel Code	JIC	BSPP	Euro
TMJ04FFG02B	7/16"	1/8"	12,20
TMJ04FFG04B	7/16"	1/4"	12,83
TMJ05FFG02B	1/2"	1/8"	16,25
TMJ05FFG04B	1/2"	1/4"	12,20
TMJ06FFG04B	9/16"	1/4"	12,83
TMJ06FFG06B	9/16"	3/8"	12,83
TMJ06FFG08B	9/16"	1/2"	16,25
TMJ08FFG04B	3/4"	1/4"	12,83
TMJ08FFG06B	3/4"	3/8"	14,25
TMJ08FFG08B	3/4"	1/2"	17,90
TMJ10FFG08B	7/8"	1/2"	17,90
TMJ12FFG08B	1.1/16"	1/2"	17,90
TMJ12FFG12B	1.1/16"	3/4"	20,86
TMJ16FFG16B	1.5/16"	1"	30,21
TMJ20FFG16B	1.5/8"	1"	42,75
TMJ20FFG20B	1.5/8"	1.1/4"	42,75
TMJ24FFG20B	1.7/8"	1.1/4"	*
TMJ24FFG24B	1.7/8"	1.1/2"	*

**Adapter T-Stück 2 x AG-JIC /  
1 x IG-NPT (Fuß)**

Branch Tee JIC-Female NPT

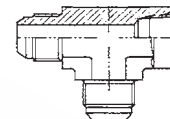
**Адаптер -тройник 2 x AG-JIC /  
1 x IG-NPT ( центральное соединение)**



**Adapter T-Stück 2 x AG-JIC /  
1 x IG-NPT (Arm)**

Run Tee JIC-Female NPT

**Адаптер -тройник 2 x AG-JIC /  
1 x IG-NPT (боковое соединение)**



Artikel Code	JIC	NPT	Euro
TMJ04FFN02P	7/16"	1/8"	12,20
TMJ04FFN04P	7/16"	1/4"	12,83
TMJ05FFN02P	1/2"	1/8"	16,25
TMJ05FFN04P	1/2"	1/4"	12,20
TMJ06FFN02P	9/16"	1/8"	12,83
TMJ06FFN04P	9/16"	1/4"	12,83
TMJ06FFN06P	9/16"	3/8"	16,25
TMJ08FFN04P	3/4"	1/4"	12,83
TMJ08FFN06P	3/4"	3/8"	14,25
TMJ08FFG08P	3/4"	1/2"	17,90
TMJ10FFN08P	7/8"	1/2"	17,90
TMJ12FFN08P	1.1/16"	1/2"	17,90
TMJ12FFN12P	1.1/16"	3/4"	20,86
TMJ16FFN16P	1.5/16"	1"	30,21
TMJ20FFN20P	1.5/8"	1.1/4"	42,75
TMJ24FFN24P	1.7/8"	1.1/2"	*

Artikel Code	JIC	NPT	Euro
TMJ04FFN02B	7/16"	1/8"	12,20
TMJ04FFN04B	7/16"	1/4"	12,83
TMJ05FFN02B	1/2"	1/8"	16,25
TMJ05FFN04B	1/2"	1/4"	12,20
TMJ06FFN02B	9/16"	1/8"	12,83
TMJ06FFN04B	9/16"	1/4"	12,83
TMJ06FFN06B	9/16"	3/8"	16,25
TMJ08FFN04B	3/4"	1/4"	12,83
TMJ08FFN06B	3/4"	3/8"	14,25
TMJ08FFG08B	3/4"	1/2"	17,90
TMJ10FFN08B	7/8"	1/2"	17,90
TMJ12FFN08B	1.1/16"	1/2"	17,90
TMJ12FFN12B	1.1/16"	3/4"	20,86
TMJ16FFN16B	1.5/16"	1"	30,21
TMJ20FFN20B	1.5/8"	1.1/4"	42,75
TMJ24FFN24B	1.7/8"	1.1/2"	*

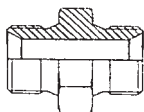




### Verbinder AG-zöllig / AG-zöllig

Union BSPP-BSPP

Соединитель AG-дюймовый / AG-дюймовый

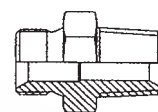


Artikel Code	BSPP	BSPP	Euro
ANGG0202	1/8"	1/8"	0,45
ANGG0404	1/4"	1/4"	0,45
ANGG0606	3/8"	3/8"	0,67
ANGG0808	1/2"	1/2"	1,03
ANGG1010	5/8"	5/8"	1,49
ANGG1212	3/4"	3/4"	1,60
ANGG1616	1"	1"	2,80
ANGG2020	1.1/4"	1.1/4"	7,46
ANGG2424	1.1/2"	1.1/2"	8,28
ANGG3232	2"	2"	16,25

### Adapter - AG-zöllig / AG-konisch

Union Connector BSPP-BSPT

Адаптер AG-дюймовый / AG-конический

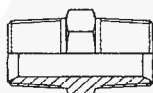


Artikel Code	BSPT	BSPT	Euro
ANGK0202	1/8"	1/8"	0,53
ANGK0404	1/4"	1/4"	0,53
ANGK0606	3/8"	3/8"	0,81
ANGK0608	3/8"	1/2"	0,86
ANGK0808	1/2"	1/2"	1,23
ANGK1010	5/8"	5/8"	1,78
ANGK1212	3/4"	3/4"	1,91
ANGK1616	1"	1"	3,37
ANGK2020	1.1/4"	1.1/4"	8,20
ANGK2424	1.1/2"	1.1/2"	9,10
ANGK3232	2"	2"	17,87

### Verbinder - AG-konisch / AG-konisch

Union BSPT-BSPT

Соединитель AG-конический / AG-конический

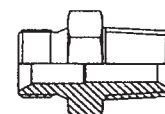


Artikel Code	BSPT	BSPT	Euro
ANKK0202	1/8"	1/8"	0,56
ANKK0404	1/4"	1/4"	0,56
ANKK0606	3/8"	3/8"	0,85
ANKK0808	1/2"	1/2"	1,29
ANKK1010	5/8"	5/8"	1,87
ANKK1212	3/4"	3/4"	2,01
ANKK1616	1"	1"	5,06
ANKK2020	1.1/4"	1.1/4"	8,61
ANKK2424	1.1/2"	1.1/2"	9,56
ANKK3232	2"	2"	18,76

### Adapter - AG-zöllig / AG-NPT

Union Connector BSP-NPT

Адаптер AG-дюймовый / AG - NTP



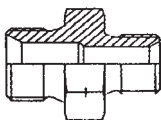
Artikel Code	BSPP	NPT	Euro
ANGNPT0202	1/8"	1/8"	0,56
ANGNPT0404	1/4"	1/4"	0,56
ANGNPT0606	3/8"	3/8"	0,85
ANGNPT0808	1/2"	1/2"	1,29
ANGNPT1212	3/4"	3/4"	2,01
ANGNPT1616	1"	1"	3,53
ANGNPT2020	1.1/4"	1.1/4"	8,61
ANGNPT2424	1.1/2"	1.1/2"	9,56
ANGNPT3232	2"	2"	18,76



### Reduzierung - AG-zöllig / AG-zöllig

Reducing Union BSPP-BSPP

Переходник AG дюймовый / AG дюймовый



### Reduzierung - AG-zöllig / AG-metrisch

Reducing Union BSPP-Metric

Переходник AG дюймовый / AG метрический



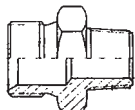
Artikel Code	BSPP	BSPP	Euro
ARGG0402	1/4"	1/8"	0,49
ARGG0602	3/8"	1/8"	0,78
ARGG0604	3/8"	1/4"	0,67
ARGG0804	1/2"	1/4"	1,13
ARGG0806	1/2"	3/8"	1,03
ARGG1006	5/8"	3/8"	1,71
ARGG1008	5/8"	1/2"	1,49
ARGG1204	3/4"	1/4"	1,83
ARGG1206	3/4"	3/8"	1,75
ARGG1208	3/4"	1/2"	1,59
ARGG1210	3/4"	5/8"	1,59
ARGG1606	1"	3/8"	3,23
ARGG1608	1"	1/2"	3,09
ARGG1610	1"	5/8"	3,09
ARGG1612	1"	3/4"	2,80
ARGG2008	1.1/4"	1/2"	8,20
ARGG2012	1.1/4"	3/4"	8,20
ARGG2016	1.1/4"	1"	7,46
ARGG2412	1.1/2"	3/4"	9,11
ARGG2416	1.1/2"	1"	9,11
ARGG2420	1.1/2"	1.1/4"	8,28
ARGG3216	2"	1"	17,86
ARGG3220	2"	1.1/4"	16,25
ARGG3224	2"	1.1/2"	16,25

Artikel Code	BSPP	metrisch metric	Euro
ARGM0210	1/8"	10x1	0,58
ARGM0212	1/8"	12x1,5	0,58
ARGM0410	1/4"	10x1	0,64
ARGM0412	1/4"	12x1,5	0,58
ARGM0414	1/4"	14x1,5	0,58
ARGM0416	1/4"	16x1,5	0,88
ARGM0418	1/4"	18x1,5	1,07
ARGM0422	1/4"	22x1,5	1,53
ARGM0612	3/8"	12x1,5	0,96
ARGM0614	3/8"	14x1,5	0,88
ARGM0616	3/8"	16x1,5	0,88
ARGM0618	3/8"	18x1,5	0,97
ARGM0620	3/8"	20x1,5	1,53
ARGM0622	3/8"	22x1,5	1,53
ARGM0812	1/2"	12x1,5	1,53
ARGM0814	1/2"	14x1,5	1,53
ARGM0816	1/2"	16x1,5	1,47
ARGM0818	1/2"	18x1,5	1,47
ARGM0820	1/2"	20x1,5	1,33
ARGM0822	1/2"	22x1,5	1,33
ARGM0826	1/2"	26x1,5	2,28
ARGM1018	5/8"	18x1,5	2,51
ARGM1020	5/8"	20x1,5	2,51
ARGM1022	5/8"	22x1,5	2,28
ARGM1218	3/4"	18x1,5	2,51
ARGM1220	3/4"	20x1,5	2,51
ARGM1222	3/4"	22x1,5	2,28
ARGM1226	3/4"	26x1,5	2,28
ARGM1230	3/4"	30x1,5	5,70
ARGM1622	1"	22x1,5	5,93
ARGM1626	1"	26x1,5	5,93
ARGM1630	1"	30x1,5	5,70

**Reduzierung - AG-zöllig / AG-konisch**

Reducing Union BSPP-BSPT

Переходник AG дюймовый /  
AG конический

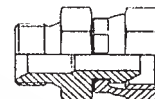


Artikel Code	BSPP	BSPT	Euro
ARGK0402	1/4"	1/8"	0,56
ARGK0602	3/8"	1/8"	0,94
ARGK0604	3/8"	1/4"	0,85
ARGK0804	1/2"	1/4"	1,42
ARGK0806	1/2"	3/8"	1,29
ARGK1006	5/8"	3/8"	2,06
ARGK1008	5/8"	1/2"	1,87
ARGK1204	3/4"	1/4"	2,31
ARGK1206	3/4"	3/8"	2,31
ARGK1208	3/4"	1/2"	2,01
ARGK1210	3/4"	5/8"	2,01
ARGK1606	1"	3/8"	4,06
ARGK1608	1"	1/2"	3,89
ARGK1610	1"	5/8"	3,89
ARGK1612	1"	3/4"	3,53

**Adapter - AGR / DKR**

Connector Swivel Female BSPP-  
Male BSPP

Адаптер AGR / DKR



Artikel Code	BSPP	BSPP	Euro
AMFDG0202	1/8"	1/8"	1,28
AMFDG0404	1/4"	1/4"	1,03
AMFDG0606	3/8"	3/8"	1,29
AMFDG0808	1/2"	1/2"	1,94
AMFDG1010	5/8"	5/8"	2,52
AMFDG1212	3/4"	3/4"	2,96
AMFDG1616	1"	1"	4,61
AMFDG2020	1.1/4"	1.1/4"	13,26
AMFDG2424	1.1/2"	1.1/2"	16,61
AMFDG3232	2"	2"	29,09

**Verbinder - DKR / DKR**

Connector Swivel Female BSPP-  
Female BSPP

Соединитель DKR / DKR

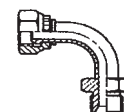


Artikel Code	BSPP	BSPP	Euro
AFFDG0202	1/8"	1/8"	1,29
AFFDG0404	1/4"	1/4"	1,61
AFFDG0606	3/8"	3/8"	2,01
AFFDG0808	1/2"	1/2"	2,92
AFFDG1010	5/8"	5/8"	3,73
AFFDG1212	3/4"	3/4"	4,55
AFFDG1616	1"	1"	7,00
AFFDG2020	1.1/4"	1.1/4"	18,41
AFFDG2424	1.1/2"	1.1/2"	21,49
AFFDG3232	2"	2"	38,05

**Adapter 90° - DKR / AGR**

90° Connector Swivel Female BSPP-  
Male BSPP

Адаптер 90° DKR / AGR

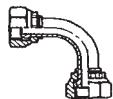


Artikel Code	BSPP	BSPP	Euro
AMF90G0202	1/8"	1/8"	3,42
AMF90G0404	1/4"	1/4"	2,63
AMF90G0606	3/8"	3/8"	3,14
AMF90G0808	1/2"	1/2"	4,14
AMF90G1010	5/8"	5/8"	6,50
AMF90G1212	3/4"	3/4"	7,24
AMF90G1616	1"	1"	12,54
AMF90G2020	1.1/4"	1.1/4"	29,07
AMF90G2424	1.1/2"	1.1/2"	37,62
AMF90G3232	2"	2"	61,56

### Verbinder 90° - DKR / DKR

90° Connector Swivel Female  
BSPP-Female BSPP

Соединитель 90° DKR / DKR

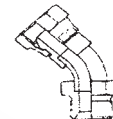


Artikel Code	BSPP	BSPP	Euro
AFF90G0202	1/8"	1/8"	3,93
AFF90G0404	1/4"	1/4"	3,03
AFF90G0606	3/8"	3/8"	3,61
AFF90G0808	1/2"	1/2"	4,55
AFF90G1010	5/8"	5/8"	7,47
AFF90G1212	3/4"	3/4"	7,97
AFF90G1616	1"	1"	13,79
AFF90G2020	1.1/4"	1.1/4"	31,98
AFF90G2424	1.1/2"	1.1/2"	41,38
AFF90G3232	2"	2"	67,72

### Adapter 45° - DKR / AGR

45° Connector Swivel Female BSPP-  
Male BSPP

Адаптер 45° DKR / AGR

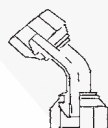


Artikel Code	BSPP	BSPP	Euro
AMF45G0202	1/8"	1/8"	3,59
AMF45G0404	1/4"	1/4"	2,77
AMF45G0606	3/8"	3/8"	3,29
AMF45G0808	1/2"	1/2"	4,35
AMF45G1010	5/8"	5/8"	6,82
AMF45G1212	3/4"	3/4"	7,60
AMF45G1616	1"	1"	13,17
AMF45G2020	1.1/4"	1.1/4"	30,52
AMF45G2424	1.1/2"	1.1/2"	39,50
AMF45G3232	2"	2"	64,64

### Verbinder 45° - DKR / DKR

45° Connector Swivel Female BSPP-  
Female BSPP

Соединитель 45° DKR / DKR

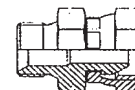


Artikel Code	BSPP	BSPP	Euro
AFF45G0202	1/8"	1/8"	4,13
AFF45G0404	1/4"	1/4"	3,18
AFF45G0606	3/8"	3/8"	3,79
AFF45G0808	1/2"	1/2"	4,78
AFF45G1010	5/8"	5/8"	7,85
AFF45G1212	3/4"	3/4"	8,36
AFF45G1616	1"	1"	14,48
AFF45G2020	1.1/4"	1.1/4"	33,58
AFF45G2424	1.1/2"	1.1/2"	43,45
AFF45G3232	2"	2"	71,10

### Adapter - AGM / DKM

Connector Swivel Female  
Metric-Male Metric

Адаптер AGM / DKM

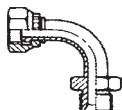


Artikel Code	metrisch metric	metrisch metric	Euro
AMFDM1212	12x1,5	12x1,5	1,18
AMFDM1414	14x1,5	14x1,5	1,18
AMFDM1616	16x1,5	16x1,5	1,48
AMFDM1818	18x1,5	18x1,5	1,86
AMFDM2020	20x1,5	20x1,5	2,23
AMFDM2222	22x1,5	22x1,5	2,23
AMFDM2424	24x1,5	24x1,5	3,41
AMFDM2626	26x1,5	26x1,5	3,41
AMFDM3030	30x1,5	30x1,5	5,30
	<b>BSPP</b>		
AMFDGM0414	1/4"	14x1,5	*
AMFDGM0822	1/2"	22x1,5	*

**Adapter 90° - DKM / AGM**

90° Connector Swivel Female  
Metric-Male Metric

**Адаптер 90° DKM / AGM**

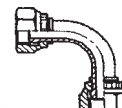


Artikel Code	metrisch metric	metrisch metric	Euro
AMF90M1010	10x1	10x1	3,76
AMF90M1212	12x1,5	12x1,5	2,90
AMF90M1414	14x1,5	14x1,5	2,90
AMF90M1616	16x1,5	16x1,5	3,45
AMF90M1818	18x1,5	18x1,5	4,00
AMF90M2020	20x1,5	20x1,5	4,55
AMF90M2222	22x1,5	22x1,5	4,55
AMF90M2424	24x1,5	24x1,5	7,97
AMF90M2626	26x1,5	26x1,5	7,97

**Verbinder 90° - DKM / DKM**

90° Connector Swivel Female  
Metric-Female Metric

**Соединитель 90° DKM / DKM**

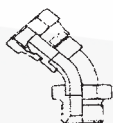


Artikel Code	metrisch metric	metrisch metric	Euro
AFF90M1010	10x1	10x1	4,33
AFF90M1212	12x1,5	12x1,5	3,33
AFF90M1414	14x1,5	14x1,5	3,33
AFF90M1616	16x1,5	16x1,5	3,97
AFF90M1818	18x1,5	18x1,5	4,49
AFF90M2020	20x1,5	20x1,5	5,01
AFF90M2222	22x1,5	22x1,5	5,01
AFF90M2424	24x1,5	24x1,5	8,76
AFF90M2626	26x1,5	26x1,5	8,76

**Adapter 45° - DKM / AGM**

45° Connector Swivel Female  
Metric-Male Metric

**Адаптер 45° DKM / AGM**

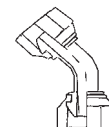


Artikel Code	metrisch metric	metrisch metric	Euro
AMF45M1010	10x1	10x1	3,95
AMF45M1212	12x1,5	12x1,5	3,04
AMF45M1414	14x1,5	14x1,5	3,04
AMF45M1616	16x1,5	16x1,5	3,62
AMF45M1818	18x1,5	18x1,5	4,20
AMF45M2020	20x1,5	20x1,5	4,78
AMF45M2222	22x1,5	22x1,5	4,78
AMF45M2424	24x1,5	24x1,5	8,36
AMF45M2626	26x1,5	26x1,5	8,36

**Verbinder 45° - DKM / DKM**

45° Connector Swivel Female Metric-  
Female Metric

**Соединитель 45° DKM / DKM**

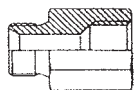


Artikel Code	metrisch metric	metrisch metric	Euro
AFF45M1010	10x1	10X1	4,54
AFF45M1212	12x1,5	12X1,5	3,50
AFF45M1414	14x1,5	14X1,5	3,50
AFF45M1616	16x1,5	16X1,5	4,17
AFF45M1818	18x1,5	18X1,5	4,71
AFF45M2020	20x1,5	20X1,5	5,26
AFF45M2222	22x1,5	22X1,5	5,26
AFF45M2424	24x1,5	24X1,5	9,20
AFF45M2626	26x1,5	26X1,5	9,20

**Verlängerungsstück - AG-zöllig /  
IG-zöllig**

Adaptor Male BSPP-Female BSPP

Удлинитель AG дюймовый /  
IG дюймовый



**Verlängerungsstück - AG-metrisch /  
IG-metrisch**

Adaptor Male Metric-Female Metric

Удлинитель AG метрический /  
IG метрический



Artikel Code	BSPP	LTOT	Euro
APMFG0433	1/4"	33	0,76
APMFG0442	1/4"	42	0,87
APMFG0450	1/4"	50	0,91
APMFG0455	1/4"	55	1,01
APMFG0635	3/8"	35	0,97
APMFG0642	3/8"	42	1,01
APMFG0654	3/8"	54	1,26
APMFG0840	1/2"	40	1,34
APMFG0845	1/2"	45	1,60
APMFG0850	1/2"	50	1,78
APMFG0860	1/2"	60	1,86
APMFG1248	3/4"	48	2,16
APMFG1257	3/4"	57	2,57
APMFG1267	3/4"	67	2,96
APMFG1272	3/4"	72	3,19
APMFG1654	1"	50	5,13
APMFG1660	1"	60	5,64
APMFG1680	1"	80	6,16
APMFG1690	1"	90	7,18
APMFG2062	1,1/4"	62	8,81
APMFG2092	1,1/4"	92	15,11
APMFG2465	1,1/2"	65	11,52
APMFG2495	1,1/2"	95	18,69
APMFG3257	2"	57	19,84
AMPFG3262	2"	62	25,08

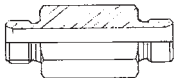
Artikel Code	metrisch metric	LTOT	Euro
APMFM1433	14x1,5	33	0,91
APMFM1635	16x1,5	35	1,15
APMFM1840	18x1,5	40	1,37
APMFM1845	18x1,5	45	1,48
APMFM1850	18x1,5	50	1,60
APMFM2045	20x1,5	45	2,17
APMFM2060	20x1,5	60	2,24
APMFM2240	22x1,5	40	2,17
APMFM2260	22x1,5	60	2,24



**Verlängerungsstück - AG-zöllig / AG-zöllig**

Union Male BSPP-Male BSPP

Удлинитель AG дюймовый / AG дюймовый

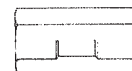


Artikel Code	BSPP	BSPP	Euro
APMMG0404	1/4"	1/4"	2,18
APMMG0606	3/8"	3/8"	2,46
APMMG0808	1/2"	1/2"	3,05
APMMG1212	3/4"	3/4"	6,39
APMMG1616	1"	1"	8,55
APMMG2020	1.1/4"	1.1/4"	19,69

**Verlängerungsstück - IG-zöllig / IG-zöllig**

Union Female BSPP-Female BSPP

Удлинитель IG дюймовый / IG дюймовый

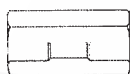


Artikel Code	BSPP	BSPP	Euro
APFFG0202	1/8"	1/8"	1,18
APFFG0404	1/4"	1/4"	1,18
APFFG0604	3/8"	1/4"	1,89
APFFG0606	3/8"	3/8"	1,89
APFFG0808	1/2"	1/2"	2,50
APFFG1010	5/8"	5/8"	5,11
APFFG1212	3/4"	3/4"	3,59
APFFG1616	1"	1"	5,24
APFFG2020	1.1/4"	1.1/4"	12,78
APFFG2424	1.1/2"	1.1/2"	15,34
APFFG3232	2"	2"	20,30

**Verlängerungsstück - IG-metrisch / IG-metrisch**

Union Female Metric-Female Metric

Удлинитель IG метрический / IG метрический

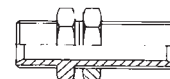


Artikel Code	metrisch metric	metrisch metric	Euro
APFFM1414	14x1,5	14x1,5	1,53
APFFM1616	16x1,5	16x1,5	2,46
APFFM1818	18x1,5	18x1,5	2,86
APFFM2222	22x1,5	22x1,5	3,25

**Schottadapter - AG-zöllig / AG-zöllig**

Bulkhead Union Male BSPP-Male BSPP

Bulkhead адаптер - AG-дюймовый / AG-дюймовый



Artikel Code	BSPP	BSPP	Euro
ANGG0404P	1/4"	1/4"	2,99
ANGG0606P	3/8"	3/8"	3,33
ANGG0808P	1/2"	1/2"	4,21
ANGG1212P	3/4"	3/4"	7,54
ANGG1616P	1"	1"	15,73
ANGG2020P	1.1/4"	1.1/4"	22,23
ANGG2424P	1.1/2"	1.1/2"	29,07
ANGG3232P	2"	2"	*

**Schottadapter - AG-metrisch / AG-metrisch**

Bulkhead Union Male Metric-Male Metric

Bulkhead адаптер - AG-метрический / AG-метрический



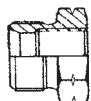
Artikel Code	metrisch metric	metrisch metric	Euro
ANMM1414P	14x1,5	14x1,5	4,74
ANMM1616P	16x1,5	16x1,5	5,27
ANMM1818P	18x1,5	18x1,5	4,50
ANMM2222P	22x1,5	22x1,5	7,31



**Reduzierung kurze Bauart - metrisch/zöllig**

Reducing Union Male Metric/BSPP-Female Metric/BSPP Short Type

Переходник короткий тип - метрический/ дюймовый



Artikel Code	metrisch metric BSPP	metrisch metric BSPP	Euro
ARMFCM0612	3/8"	12x1,5	1,00
ARMFCM0614	3/8"	14x1,5	0,91
ARMFCM0812	1/2"	12x1,5	1,54
ARMFCM0814	1/2"	14x1,5	1,40
ARMFCM1804	18x1,5	1/4"	1,37
ARMFCM2204	22x1,5	1/4"	1,40
ARMFCM2206	22x1,5	3/8"	1,40

**Reduzierung lange Bauart - metrisch/zöllig**

Reducing Union Male Metric/BSPP-Female Metric/BSPP Long Type

Переходник длинный тип - метрический/ дюймовый

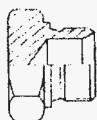


Artikel Code	metrisch metric BSPP	metrisch metric BSPP	Euro
ARMFLM0414	1/4"	14x1,5	1,48
ARMFLM0616	3/8"	16x1,5	1,71
ARMFLM0618	3/8"	18x1,5	1,71
ARMFLM0818	1/2"	18x1,5	1,81
ARMFLM0822	1/2"	22x1,5	1,81
ARMFLM1804	18x1,5	1/4"	1,88
ARMFLM1806	18x1,5	3/8"	1,71
ARMFLM1808	18x1,5	1/2"	1,90
ARMFLM1814	18x1,5	14x1,5	1,88
ARMFLM1822	18x1,5	22x1,5	2,09
ARMFLM2208	22x1,5	1/2"	1,90
ARMFLM2218	22x1,5	18x1,5	1,90

**Verschlusskappe - AGR-F**

Male BSPP-F Plug

Заглушка AGR-F

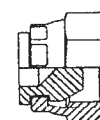


Artikel Code	BSPP	-	Euro
ATMG02	1/8"	-	0,55
ATMG04	1/4"	-	0,41
ATMG06	3/8"	-	0,53
ATMG08	1/2"	-	0,72
ATMG10	5/8"	-	1,11
ATMG12	3/4"	-	1,12
ATMG16	1"	-	1,87
ATMG20	1,1/4"	-	4,89
ATMG24	1,1/2"	-	6,96
ATMG32	2"	-	14,59

**Verschlusskappe - DKR**

Female BSPP Plug

Заглушка DKR

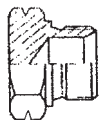


Artikel Code	BSPP	-	Euro
ATFG02	1/8"	-	0,96
ATFG04	1/4"	-	0,84
ATFG06	3/8"	-	1,03
ATFG08	1/2"	-	1,44
ATFG10	5/8"	-	1,85
ATFG12	3/4"	-	2,05
ATFG16	1"	-	3,42
ATFG20	1,1/4"	-	7,30
ATFG24	1,1/2"	-	11,86
ATFG32	2"	-	19,84

### Verschlusskappe - AG-metrisch flachdichtend

Male Metric Plug

Заглушка AG- метрическая, параллельное прямое соединение

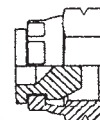


Artikel Code	metrisch metric	-	Euro
ATMM08	8x1	-	0,66
ATMM10	10x1	-	0,66
ATMM12	12x1,5	-	0,50
ATMM14	14x1,5	-	0,50
ATMM16	16x1,5	-	0,64
ATMM18	18x1,5	-	0,75
ATMM20	20x1,5	-	0,87
ATMM22	22x1,5	-	0,87
ATMM24	24x1,5	-	1,34
ATMM26	26x1,5	-	1,34
ATMM28	28x1,5	-	2,24
ATMM30	30x1,5	-	2,24

### Verschlußkappe - DKM

Female BSPP Plug

Заглушка DKM

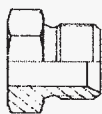


Artikel Code	metrisch metric	-	Euro
ATFM10	10x1	-	1,16
ATFM12	12x1,5	-	1,01
ATFM14	14x1,5	-	1,01
ATFM16	16x1,5	-	1,23
ATFM18	18x1,5	-	1,48
ATFM20	20x1,5	-	1,72
ATFM22	22x1,5	-	1,72
ATFM24	24x1,5	-	2,46
ATFM26	26x1,5	-	2,46
ATFM28	28x1,5	-	4,10
ATFM30	30x1,5	-	4,10

### Schweißverbindung für Hydraulikrohre - AG-zöllig

Braze Connector Male BSPP

Сварочный соединитель, для гидравлической трубки AG-JIC дюймовый

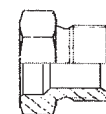


Artikel Code	BSPP	-	Euro
AMNS02	1/8"	-	0,53
AMNS04	1/4"	-	0,43
AMNS06	3/8"	-	0,54
AMNS08	1/2"	-	0,70
AMNS10	5/8"	-	1,20
AMNS12	3/4"	-	1,06
AMNS16	1"	-	1,90
AMNS20	1.1/4"	-	5,10
AMNS24	1.1/2"	-	6,60
AMNS32	2"	-	14,06

### Schweißverbindung für Hydraulikrohre mit vergrößertem Lochansatz - AG-zöllig

Braze Connector Male BSPP

Сварочный соединитель, для гидравлической трубки с увеличенным входом AG-JIC дюймовый

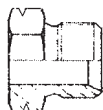


Artikel Code	BSPP	Tube	Euro
AMNS04T10	1/4"	10	0,52
AMNS04T12	1/4"	12	0,52
AMNS06T10	3/8"	10	0,64
AMNS06T12	3/8"	12	0,64
AMNS06T14	3/8"	14	0,64
AMNS08T14	1/2"	14	0,84
AMNS08T15	1/2"	15	0,84
AMNS08T16	1/2"	16	0,84
AMNS08T15FP	1/2"	15	*
AMNS08T16FP	1/2"	16	*
AMNS12T25	3/4"	25	1,27
AMNS16T26	1"	26	2,28

**Schweißverbindung für Hydraulikrohre - AG-metrisch**

Braze Connector Male Metric

Сварочный соединитель для гидравлической трубки AG-метрический



Artikel Code	metrisch metric	-	Euro
AMNSM10	10x1	-	0,64
AMNSM12	12x1,5	-	0,52
AMNSM14	14x1,5	-	0,52
AMNSM16	16x1,5	-	0,64
AMNSM18	18x1,5	-	0,74
AMNSM20	20x1,5	-	0,84
AMNSM22	22x1,5	-	0,84
AMNSM24	24x1,5	-	1,27
AMNSM26	26x1,5	-	1,27

**Schweißverbindung für Hydraulikrohre mit vergrößertem Lochansatz - AG-metrisch**

Braze Connector Male Metric

Сварочный соединитель, для гидравлической трубки с увеличенным входом AG-метрический



Artikel Code	metrisch metric	Tube	Euro
AMNSM14T10	14x1,5	10	0,63
AMNSM14T12	14x1,5	12	0,63
AMNSM16T12	16x1,5	12	0,77
AMNSM18T14	18x1,5	14	0,89
AMNSM18T15	18x1,5	15	0,89
AMNSM22T16	22x1,5	16	1,01
AMNSM22T22	22x1,5	22	1,01

**Schweißendstück für Hydraulikrohre - AG-zöllig**

BSPP Welding Stud

Сварочная часть, для гидравлической трубки AG-дюймовый

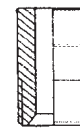


Artikel Code	BSPP	-	Euro
ATSG02	1/8"	-	0,50
ATSG04	1/4"	-	0,39
ATSG06	3/8"	-	0,49
ATSG08	1/2"	-	0,63
ATSG10	5/8"	-	1,40
ATSG12	3/4"	-	1,40
ATSG16	1"	-	2,05
ATSG20	1.1/4"	-	4,79
ATSG24	1.1/2"	-	8,21
ATSG32	2"	-	14,19

**Schweißendstück für Hydraulikrohre - AG-metrisch**

Metric Welding Stud

Сварочная часть, для гидравлической трубки AG- метрический



Artikel Code	metrisch metric	-	Euro
ATSM14	14x1,5	-	0,46
ATSM16	16x1,5	-	0,59
ATSM18	18x1,5	-	0,67
ATSM20	20x1,5	-	0,76
ATSM22	22x1,5	-	0,76
ATSM26	26x1,5	-	1,68

### Schweißring mit durchgängigem IG-zöllig

BSPP Welding Stud

Сварочное кольцо IG-дюймовый



Artikel Code	BSPP	-	Euro
ABSG02	1/8"	-	0,62
ABSG04	1/4"	-	0,51
ABSG06	3/8"	-	0,64
ABSG08	1/2"	-	0,76
ABSG12	3/4"	-	0,88
ABSG16	1"	-	1,64
ABSG20	1.1/4"	-	5,13
ABSG24	1.1/2"	-	6,50
ABSG32	2"	-	10,02

### Schweißring mit durchgängigem IG-metrisch

Metric Welding Stud

Сварочное кольцо IG-метрический



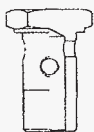
Artikel Code	metrisch metric	-	Euro
ABSM12	12x1,5	-	0,62
ABSM14	14x1,5	-	0,62
ABSM16	16x1,5	-	0,77
ABSM18	18x1,5	-	0,84
ABSM20	20x1,5	-	0,91
ABSM22	22x1,5	-	0,91

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### Hohlschraube - einfach - zöllig

BSPP Bolt

Болт - дюймовый



Artikel Code	BSPP	-	Euro
ABFG02	1/8"	-	0,60
ABFG04	1/4"	-	0,66
ABFG06	3/8"	-	0,89
ABFG08	1/2"	-	1,32
ABFG10	5/8"	-	2,07
ABFG12	3/4"	-	2,07
ABFG16	1"	-	5,31
ABFG20	1.1/4"	-	*
ABFG24	1.1/2"	-	*

### Hohlschraube - doppelt - zöllig

Double BSPP Bolt

Болт - двойной - дюймовый

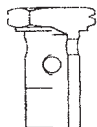


Artikel Code	BSPP	-	Euro
ABFDG02	1/8"	-	1,20
ABFDG04	1/4"	-	1,23
ABFDG06	3/8"	-	1,78
ABFDG08	1/2"	-	2,60
ABFDG10	5/8"	-	5,56
ABFDG12	3/4"	-	5,56
ABFDG16	1"	-	10,62
ABFDG20	1.1/4"	-	*
ABFDG24	1.1/2"	-	*

**Hohlschraube - einfach - metrisch**

Metric Bolt

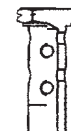
Болт-метрический



**Hohlschraube - doppelt - metrisch**

Double Metric Bolt

Болт-двойной - метрический



Artikel Code	metrisch metric	-	Euro
ABFM06	6x1	-	0,72
ABFM08	8x1	-	0,86
ABFM08x1,25	8x1,25	-	0,86
ABFM08x1,5	8x1,5	-	0,86
ABFM10	10x1	-	0,60
ABFM10x1,25	10x1,25	-	0,72
ABFM10x1,5	10x1,5	-	0,72
ABFM12	12x1	-	0,68
ABFM12x1,25	12x1,25	-	0,79
ABFM12x1,5	12x1,5	-	0,79
ABFM14x1,5	14x1,5	-	0,68
ABFM16x1,5	16x1,5	-	0,96
ABFM18x1,5	18x1,5	-	1,09
ABFM20x1,5	20x1,5	-	1,47
ABFM22x1,5	22x1,5	-	1,47
ABFM24x1,5	24x1,5	-	2,09
ABFM24x2	24x2	-	2,50
ABFM26x1,5	26x1,5	-	2,26
ABFM30	30x1,5	-	6,84

Artikel Code	metrisch metric	-	Euro
ABFDM08	8x1	-	1,72
ABFDM08x1,25	8x1,25	-	1,72
ABFDM10	10x1	-	1,54
ABFDM10x1,25	10x1,25	-	1,54
ABFDM12	12x1,5	-	1,77
ABFDM12x1,25	12x1,25	-	1,77
ABFDM14	14x1,5	-	1,88
ABFDM16	16x1,5	-	2,90
ABFDM18	18x1,5	-	2,90
ABFDM20	20x1,5	-	3,91
ABFDM22	22x1,5	-	3,91
ABFDM26	26x1,5	-	6,67





**Ringnippel zöllig / AG-zöllig**

BSPP Banjo

Банжо дюймовый / AG - дюймовый



Artikel Code	BSPP	BSPP	Euro
AOFG0202	1/8"	1/8"	1,26
AOFG0404	1/4"	1/4"	1,09
AOFG0604	3/8"	1/4"	1,83
AOFG0606	3/8"	3/8"	1,59
AOFG0608	3/8"	1/2"	5,47
AOFG0804	1/2"	1/4"	3,09
AOFG0806	1/2"	3/8"	2,81
AOFG0808	1/2"	1/2"	2,60
AOFG1208	3/4"	1/2"	5,48
AOFG1212	3/4"	3/4"	5,48
AOFG1612	1"	3/4"	18,83
AOFG1616	1"	1"	18,83

**Ringnippel metrisch / AG-metrisch**

Metric Banjo

Банжо метрический / AG - метрический

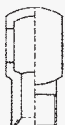


Artikel Code	metrisch metric	metrisch metric	Euro
AOFM1010	10	10x1	1,39
AOFM1212	12	12x1,5	1,54
AOFM1414	14	14x1,5	1,33
AOFM1616	16	16x1,5	2,01
AOFM1816	18	16x1,5	2,77
AOFM1818	18	18x1,5	2,38
AOFM1822	18	22x1,5	4,02
AOFM2018	20	18x1,5	4,02
AOFM2020	20	20x1,5	3,69
AOFM2218	22	18x1,5	3,40
AOFM2222	22	22x1,5	3,09
AOFM2626	26	26x1,5	7,42

**Ringnippel zöllig / AG-metrisch**

BSPP-Metric Banjo

Банжо дюймовый / AG - метрический



Artikel Code	BSPP	metrisch metric	Euro
AOFGM0414	1/4"	14x1,5	1,70
AOFGM0614	3/8"	14x1,5	2,01
AOFGM0616	3/8"	16x1,5	2,22
AOFGM0618	3/8"	18x1,5	2,77
AOFGM0818	1/2"	18x1,5	3,40
AOFGM0822	1/2"	22x1,5	3,40

**Ringnippel metrisch / AG-zöllig**

Metric-BSPP Banjo

Банжо метрический / AG - дюймовый



Artikel Code	metrisch metric	BSPP	Euro
AOFMG1404	14	1/4"	1,52
AOFMG1406	14	3/8"	2,48
AOFMG1606	16	3/8"	2,22
AOFMG1806	18	3/8"	2,77
AOFMG1808	18	1/2"	3,69
AOFMG2206	22	3/8"	3,40
AOFMG2208	22	1/2"	3,40

### Ringnippel zöllig / AG-zöllig - mit Anschlag

BSPP Banjo

Банжо дюймовый / AG - дюймовый с насадочным кольцом

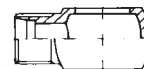


Artikel Code	BSPP	BSPP	Euro
AOFG0404B	1/4"	1/4"	1,79
AOFG0604B	3/8"	1/4"	3,40
AOFG0606B	3/8"	3/8"	3,09
AOFG0608B	3/8"	1/2"	6,12
AOFG0806B	1/2"	3/8"	6,12
AOFG0808B	1/2"	1/2"	5,57
AOFG1212B	3/4"	3/4"	10,62
AOFG1616B	1"	1"	*

### Ringnippel metrisch / CEL - Anschluß nach DIN2353 24°

Metric Banjo - DIN 2353 24°

Банжо метрический / CEL - соединение DIN2353 24°



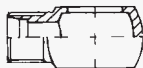
Artikel Code	metrisch metric	metrisch metric	Euro
AOM12L6	12	12x1,5	2,31
AOM14L8	14	14x1,5	2,60
AOM16L10	16	16x1,5	2,81
AOM18L10	18	16x1,5	3,19
AOM18L12	18	18x1,5	3,19
AOM18L15	18	22x1,5	6,03
AOM20L12	20	18x1,5	5,10
AOM20L15	20	22x1,5	4,94
AOM22L12	22	18x1,5	5,10
AOM22L15	22	22x1,5	4,94
AOM26L18	26	26x1,5	11,15

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### Ringnippel zöllig / CEL - Anschluß nach DIN2353 24°

BSPP Banjo - DIN 2352 24°

Банжо дюймовый / CEL - соединение DIN2353 24°



Artikel Code	BSPP	metrisch metric	Euro
AOG04L8	1/4"	14x1,5	2,21
AOG06L8	3/8"	14x1,5	2,62
AOG06L10	3/8"	16x1,5	2,88
AOG06L12	3/8"	18x1,5	3,60
AOG08L12	1/2"	18x1,5	4,42
AOG08L15	1/2"	22x1,5	4,42

### Ringnippel zöllig / Rohranschluss metrisch (BEL/BES)

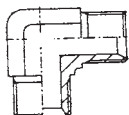
BSPP Banjo with Metric Standpipe

Банжо дюймовый / трубное соединение метрическое (BEL/BES)



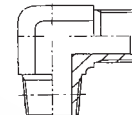
Artikel Code	BSPP	Tubo	Euro
AOG06PDL12	3/8"	12	2,12

**Adapter 90° GSK - AG-zöllig / AG-zöllig**  
90° Union Elbow BSPP-BSPP  
**Адаптер 90° GSK - AG-дюймовый / AG-дюймовый**



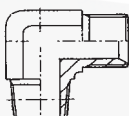
Artikel Code	BSPP	BSPP	Euro
LMG02	1/8"	1/8"	1,29
LMG04	1/4"	1/4"	1,65
LMG06	3/8"	3/8"	2,36
LMG08	1/2"	1/2"	3,26
LMG10	5/8"	5/8"	5,30
LMG12	3/4"	3/4"	5,30
LMG16	1"	1"	8,57
LMG20	1.1/4"	1.1/4"	23,75

**Adapter 90° GSK - AG-NPT / AG-NPT**  
90° Union Elbow NPT-NPT  
**Адаптер 90° GSK - AG-NPT / AG-NPT**



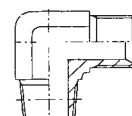
Artikel Code	NPT	NPT	Euro
LMN02	1/8"	1/8"	1,29
LMN04	1/4"	1/4"	1,65
LMN06	3/8"	3/8"	2,36
LMN08	1/2"	1/2"	3,26
LMN12	3/4"	3/4"	5,30
LMN16	1"	1"	8,57
LMN20	1.1/4"	1.1/4"	23,75

**Adapter 90° GSK - AG-konisch / AG-konisch**  
90° Union Elbow BSPT-BSPT  
**Адаптер 90° GSK - AG-конический / AG-конический**



Artikel Code	BSPT	BSPT	Euro
LMGK02	1/8"	1/8"	1,29
LMGK04	1/4"	1/4"	1,65
LMGK06	3/8"	3/8"	2,36
LMGK08	1/2"	1/2"	3,26
LMGK12	3/4"	3/4"	5,30
LMGK16	1"	1"	8,57
LMGK20	1.1/4"	1.1/4"	23,75

**Adapter 90° GSK - AG-konisch / AG-zöllig**  
90° Union Elbow BSPT-BSPP  
**Адаптер 90° GSK - AG-конический / AG-дюймовый**

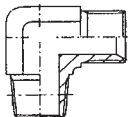


Artikel Code	BSPT	BSPT	Euro
LMGK02MG02	1/8"	1/8"	1,40
LMGK04MG04	1/4"	1/4"	1,65
LMGK06MG06	3/8"	3/8"	2,36
LMGK08MG08	1/2"	1/2"	3,26
LMGK08MG10	1/2"	5/8"	5,30
LMGK12MG12	3/4"	3/4"	5,30
LMGK16MG16	1"	1"	8,57
LMGK20MG20	1.1/4"	1.1/4"	23,75

### Adapter 90° GSK - AG-zöllig / AG-NPT

90° Union Elbow BSPP-NPT

Адаптер 90° GSK- AG-дюймовый / AG-NPT

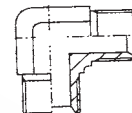


Artikel Code	BSPP	NPT	Euro
LMG02MN02	1/8"	1/8"	1,61
LMG04MN04	1/4"	1/4"	1,94
LMG06MN06	3/8"	3/8"	2,58
LMG08MN08	1/2"	1/2"	3,21
LMG10MN08	5/8"	1/2"	5,32
LMG12MN12	3/4"	3/4"	5,35
LMG16MN16	1"	1"	8,08
LMG20MN20	1.1/4"	1.1/4"	23,75

### Adapter 90° GSK - AG-metrisch / AG-metrisch

90° Union Elbow Metric-Metric

Адаптер 90° GSK - AG -метрический / AG-метрический



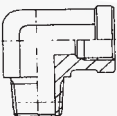
Artikel Code	metrisch metric	metrisch metric	Euro
LMM10	10x1	10x1	8,72
LMM12	12x1,5	12x1,5	8,72
LMM14	14x1,5	14x1,5	8,93
LMM16	16x1,5	16x1,5	9,68
LMM18	18x1,5	18x1,5	9,71
LMM20	20x1,5	20x1,5	10,42
LMM22	22x1,5	22x1,5	10,42
LMM26	26x1,5	26x1,5	13,67
LMM30	30x1,5	30x1,5	15,86

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### Adapter 90° GSK - IG-konisch / AG-zöllig

90° Elbow Adapter BSPT-Female BSPP

Адаптер 90° GSK - IG-конический / AG-дюймовый

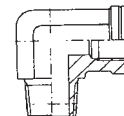


Artikel Code	BSPT	BSPP	Euro
LMGK02FFG02	1/8"	1/8"	1,44
LMGK04FFG04	1/4"	1/4"	1,85
LMGK06FFG06	3/8"	3/8"	2,48
LMGK08FFG08	1/2"	1/2"	3,32
LMGK12FFG12	3/4"	3/4"	6,32
LMGK16FFG16	1"	1"	9,87

### Adapter 90° GSK - IG-NPT / AG-NPT

90° Elbow Adapter NPT-Female NPT

Адаптер 90° GSK - IG-NPT / AG-NPT

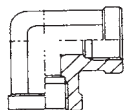


Artikel Code	NPT	NPT	Euro
LMN02FFN02	1/8"	1/8"	8,76
LMN04FFN04	1/4"	1/4"	9,28
LMN06FFN06	3/8"	3/8"	9,93
LMN08FFN08	1/2"	1/2"	12,39
LMN12FFN12	3/4"	3/4"	14,62
LMN16FFN16	1"	1"	17,32

**Adapter 90° GSK - IG-zöllig / IG-zöllig**

90° Elbow Adapter Female BSPP-  
Female BSPP

Адаптер 90° GSK - IG-дюймовый /  
IG-дюймовый

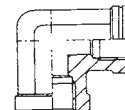


Artikel Code	BSPP	BSPP	Euro
LFFG02	1/8"	1/8"	1,44
LFFG04	1/4"	1/4"	1,85
LFFG06	3/8"	3/8"	2,48
LFFG08	1/2"	1/2"	3,32
LFFG12	3/4"	3/4"	6,32
LFFG16	1"	1"	9,87

**Adapter 90° GSK - IG-NPT / IG-NPT**

90° Elbow Adapter Female NPT-  
Female NPT

Адаптер 90° GSK- IG-NPT / IG-NPT

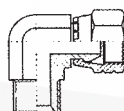


Artikel Code	NPT	NPT	Euro
LFFN02	1/8"	1/8"	8,76
LFFN04	1/4"	1/4"	9,28
LFFN06	3/8"	3/8"	9,93
LFFN08	1/2"	1/2"	12,39
LFFN12	3/4"	3/4"	14,62
LFFN16	1"	1"	17,32

**Adapter 90° GSK - AGR-Z / DKR-Z**

90° Union Elbow BSPP-Swivel  
Female BSPP

Адаптер 90° GSK - AGR-Z / DKR-Z

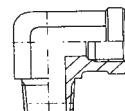


Artikel Code	BSPP	BSPP	Euro
LMG02FGG02	1/8"	1/8"	2,59
LMG04FGG04	1/4"	1/4"	3,09
LMG06FGG06	3/8"	3/8"	3,89
LMG08FGG08	1/2"	1/2"	5,47
LMG12FGG12	3/4"	3/4"	7,69
LMG16FGG16	1"	1"	14,39
LMG20FGG20	1.1/4"	1.1/4"	26,26

**Adapter 90° GSK - AG-konisch /  
IG-zöllig**

90° Union Elbow BSPT-Swivel  
Female BSPP

Адаптер 90° GSK - AG-конический /  
IG-дюймовый

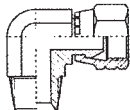


Artikel Code	BSPT	BSPP	Euro
LMGK02FGG02	1/8"	1/8"	2,59
LMGK04FGG04	1/4"	1/4"	3,09
LMGK06FGG06	3/8"	3/8"	3,89
LMGK08FGG08	1/2"	1/2"	5,47
LMGK12FGG12	3/4"	3/4"	7,69
LMGK16FGG16	1"	1"	14,39
LMGK20FGG20	1.1/4"	1.1/4"	26,46

### Adapter 90° GSK - AG-NPT / IG-zöllig

90° Union Elbow NPT-Swivel Female BSPP

Адаптер 90° GSK - AG-NPT / IG-дюймовый

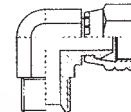


Artikel Code	NPT	BSPP	Euro
LMN02FGG02	1/8"	1/8"	2,59
LMN04FGG04	1/4"	1/4"	3,09
LMN06FGG06	3/8"	3/8"	3,89
LMN08FGG08	1/2"	1/2"	5,47
LMN12FGG12	3/4"	3/4"	7,69
LMN16FGG16	1"	1"	14,39
LMN20FGG20	1.1/4"	1.1/4"	26,46

### Adapter 90° GSK - AG-metrisch / IG-metrisch

90° Union Elbow Metric-Swivel Female Metric

Адаптер 90° GSK- AG- метрический / IG-метрический



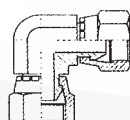
Artikel Code	metrisch metric	metrisch metric	Euro
LMM12FGM12	12x1,5	12x1,5	11,23
LMM14FGM14	14x1,5	14x1,5	11,54
LMM16FGM16	16x1,5	16x1,5	12,56
LMM18FGM18	18x1,5	18x1,5	12,71
LMM20FGM20	20x1,5	20x1,5	13,74
LMM22FGM22	22x1,5	22x1,5	13,76
LMM26FGM26	26x1,5	26x1,5	16,00
LMM30FGM30	30x1,5	30x1,5	18,51

6

### Adapter 90° GSK - DKR / DKR

90° Elbow Swivel Female BSPP-Swivel Female BSPP

Адаптер 90° GSK- DKR / DKR

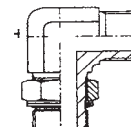


Artikel Code	BSP	BSPP	Euro
LFGG02	1/8"	1/8"	12,21
LFGG04	1/4"	1/4"	12,80
LFGG06	3/8"	3/8"	13,75
LFGG08	1/2"	1/2"	15,15
LFGG12	3/4"	3/4"	18,17
LFGG16	1"	1"	21,76
LFGG20	1.1/4"	1.1/4"	33,58

### Adapter 90° GSK - AG-zöllig / AG-zöllig mit O-Ring und Halter

90° Elbow BSPP-BSPP O.R.+ Retaining Seal

Адаптер 90° GSK - AG-дюймовый / AG-дюймовый с кольцом и зажимом

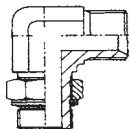


Artikel Code	BSPP	BSPP	Euro
LMG02MOG02	1/8"	1/8"	4,74
LMG02MOG04	1/8"	1/4"	5,16
LMG04MOG04	1/4"	1/4"	5,37
LMG04MOG06	1/4"	3/8"	6,27
LMG06MOG06	3/8"	3/8"	6,45
LMG06MOG08	3/8"	1/2"	7,32
LMG08MOG08	1/2"	1/2"	7,65
LMG08MOG12	1/2"	3/4"	10,82
LMG12MOG08	3/4"	1/2"	10,82
LMG12MOG12	3/4"	3/4"	11,31
LMG12MOG16	3/4"	1"	14,88
LMG16MOG16	1"	1"	15,85

**Adapter 90° GSK - AG-metrisch / AG-metrisch mit O-Ring und Halter**

90° Elbow Metric-Metric O.R.+ Retaining Seal

Адаптер 90° GSK - AG-метрический / AG-метрический с кольцом и зажимом

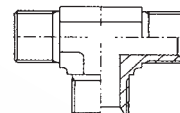


Artikel Code	metrisch metric	metrisch metric	Euro
LMM10MOMR12	10x1	12x1,5	11,91
LMM12MOMR12	12x1,5	12x1,5	12,21
LMM12MOMR14	12x1,5	14x1,5	12,22
LMM14MOMR14	14x1,5	14x1,5	12,29
LMM14MOMR16	14x1,5	16x1,5	13,14
LMM16MOMR16	16x1,5	16x1,5	13,23
LMM16MOMR18	16x1,5	18x1,5	13,25
LMM18MOMR18	18x1,5	18x1,5	13,34
LMM18MOMR22	18x1,5	22x1,5	14,16
LMM22MOMR22	22x1,5	22x1,5	14,36
LMM22MOMR26	22x1,5	26x1,5	16,18
LMM27MOMR26	27x2	26x1,5	16,48
LMM27MOMR30	27x2	30x1,5	18,58
LMM33MOMR30	33x2	30x1,5	19,32

**Adapter T-Stück 3 x AGR-Z**

Union Tee BSPP

Адаптер- тройник 3 x AGR-Z

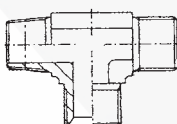


Artikel Code	BSPP	BSPP	Euro
TMG04	1/4"	1/4"	2,41
TMG06	3/8"	3/8"	3,95
TMG08	1/2"	1/2"	5,18
TMG10	5/8"	5/8"	8,16
TMG12	3/4"	3/4"	8,16
TMG16	1"	1"	12,38
TMG20	1.1/4"	1.1/4"	26,89

**Adapter T-Stück 2 x AG-zöllig / 1 x AG-konisch (Arm)**

Run Tee BSPP-BSPT

Адаптер- тройник 2 x AG-дюймовый / 1 x AG-конический (боковое соединение)

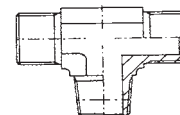


Artikel Code	BSPP	BSPT	Euro
TMG02MGK02B	1/8"	1/8"	11,82
TMG04MGK04B	1/4"	1/4"	12,07
TMG06MGK06B	3/8"	3/8"	13,14
TMG08MGK08B	1/2"	1/2"	14,22
TMG10MGK10B	5/8"	5/8"	18,82
TMG12MGK12B	3/4"	3/4"	18,86
TMG16MGK16B	1"	1"	22,44
TMG20MGK20B	1.1/4"	1.1/4"	29,16

**Adapter T-Stück 2 x AG-zöllig / 1 x AG-konisch (Fuß)**

Branch Tee BSPP-BSPT

Адаптер- тройник 2 x AG-дюймовый / 1 x AG-конический (центральное соединение)

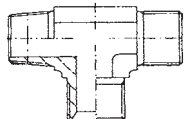


Artikel Code	BSPT	BSPT	Euro
TMG02MGK02P	1/8"	1/8"	11,82
TMG04MGK04P	1/4"	1/4"	12,07
TMG06MGK06P	3/8"	3/8"	13,14
TMG08MGK08P	1/2"	1/2"	14,22
TMG10MGK10P	5/8"	5/8"	18,82
TMG12MGK12P	3/4"	3/4"	18,86
TMG16MGK16P	1"	1"	22,44
TMG20MGK20P	1.1/4"	1.1/4"	29,16

**Adapter T-Stück 2 x AG-zöllig - 1 x NPT (Arm)**

Run Tee BSPP-NPT

Адаптер-тройник 2 x AG-дюймовый - 1 x NPT (боковое соединение)

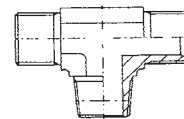


Artikel Code	BSPP	NPT	Euro
TMG02MN02B	1/8"	1/8"	11,82
TMG04MN04B	1/4"	1/4"	12,07
TMG06MN06B	3/8"	3/8"	13,14
TMG08MN08B	1/2"	1/2"	14,22
TMG10MN10B	5/8"	5/8"	18,82
TMG12MN12B	3/4"	3/4"	18,86
TMG16MN16B	1"	1"	22,44
TMG20MN20B	1.1/4"	1.1/4"	29,16

**Adapter T-Stück 2 x AG-zöllig - 1 x NPT (Fuß)**

Branch Tee BSPP-NPT

Адаптер-тройник 2 x AG-дюймовый - 1 x NPT (центральное соединение)

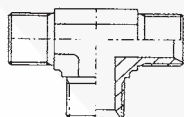


Artikel Code	BSPP	NPT	Euro
TMG02MN02P	1/8"	1/8"	11,82
TMG04MN04P	1/4"	1/4"	12,07
TMG06MN06P	3/8"	3/8"	13,14
TMG08MN08P	1/2"	1/2"	14,22
TMG10MN10P	5/8"	5/8"	18,82
TMG12MN12P	3/4"	3/4"	18,86
TMG16MN16P	1"	1"	22,44
TMG20MN20P	1.1/4"	1.1/4"	29,16

**Adapter T-Stück 3 x AG-metrisch**

Union Tee Metric

Адаптер-тройник 3 x AG-метрический

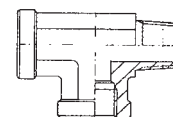


Artikel Code	metrisch metric	metrisch metric	Euro
TMM10	10x1	10x1	11,82
TMM12	12x1,5	12x1,5	11,82
TMM14	14x1,5	14x1,5	12,07
TMM16	16x1,5	16x1,5	13,14
TMM18	18x1,5	18x1,5	13,17
TMM20	20x1,5	20x1,5	14,22
TMM22	22x1,5	22x1,5	14,22
TMM26	26x1,5	26x1,5	18,86
TMM30	30x1,5	30x1,5	21,34

**Adapter T-Stück 2 x IG-zöllig / 1 x AG-konisch (Arm)**

Run Tee Female BSPP-Male BSPT

Адаптер-тройник 2 x IG-дюймовый / 1 x AG-конический (боковое соединение)



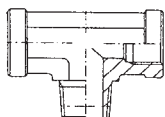
Artikel Code	BSPP	BSPT	Euro
TFFG02MGK02B	1/8"	1/8"	11,82
TFFG04MGK04B	1/4"	1/4"	12,88
TFFG06MGK06B	3/8"	3/8"	13,92
TFFG08MGK08B	1/2"	1/2"	17,62
TFFG12MGK12B	3/4"	3/4"	20,98
TFFG16MGK16B	1"	1"	26,32



**Adapter T-Stück 2 x IG-zöllig /  
1 x AG-konisch (Fuß)**

Branch Tee Female BSPP-Male  
BSPT

**Адаптер-тройник  
2 x IG-дюймовый / 1 x AG-конический  
(центральное соединение)**

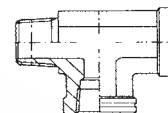


Artikel Code	BSPP	BSPT	Euro
TFFG02MGK02P	1/8"	1/8"	11,82
TFFG04MGK04P	1/4"	1/4"	12,88
TFFG06MGK06P	3/8"	3/8"	13,92
TFFG08MGK08P	1/2"	1/2"	17,62
TFFG12MGK12P	3/4"	3/4"	20,98
TFFG16MGK16P	1"	1"	26,32

**Adapter T-Stück 2 x IG-NPT /  
1 x AG-NPT (Arm)**

Run Tee Female NPT-Male NPT

**Адаптер-тройник 2 x IG-NPT /  
1 x AG-NPT (боковое соединение)**

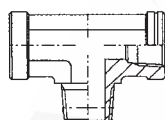


Artikel Code	NPT	NPT	Euro
TFFN02MN02B	1/8"	1/8"	11,82
TFFN04MN04B	1/4"	1/4"	12,88
TFFN06MN06B	3/8"	3/8"	13,92
TFFN08MN08B	1/2"	1/2"	17,62
TFFN12MN12B	3/4"	3/4"	20,98
TFFN16MN16B	1"	1"	26,32

**Adapter T-Stück 2 x IG-NPT /  
1 x AG-NPT (Fuß)**

Branch Tee Female NPT-Male NPT

**Адаптер -тройни 2 x IG-NPT /  
1 x AG-NPT  
(центральное соединение)**

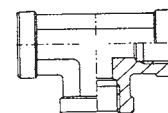


Artikel Code	NPT	NPT	Euro
TFFN02MN02P	1/8"	1/8"	11,82
TFFN04MN04P	1/4"	1/4"	12,88
TFFN06MN06P	3/8"	3/8"	13,92
TFFN08MN08P	1/2"	1/2"	17,62
TFFN12MN12P	3/4"	3/4"	20,98
TFFN16MN16P	1"	1"	26,32

**Adapter T-Stück 3 x IG-zöllig**

Union Tee Female BSPP

**Адаптер - тройник  
3 x IG-дюймовый**

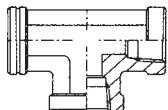


Artikel Code	BSPP	BSPP	Euro
TFFG02	1/8"	1/8"	1,80
TFFG04	1/4"	1/4"	3,03
TFFG06	3/8"	3/8"	3,70
TFFG08	1/2"	1/2"	5,73
TFFG12	3/4"	3/4"	8,89
TFFG16	1"	1"	15,96

### Adapter T-Stück 3 x IG-NPT

Union Tee Female NPT

Адаптер-тройник 3 x IG-NPT

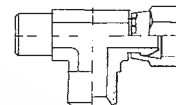


Artikel Code	NPT	NPT	Euro
TFFN02	1/8"	1/8"	11,71
TFFN04	1/4"	1/4"	12,75
TFFN06	3/8"	3/8"	13,80
TFFN08	1/2"	1/2"	17,46
TFFN12	3/4"	3/4"	20,80
TFFN16	1"	1"	26,09

### Adapter T-Stück 2 x AG-zöllig - 1 x DKR (Arm)

Run Tee Male BSPP-Swivel Female BSPP

Адаптер -тройник 2 x AG-дюймовый - 1 x DKR (боковое соединение)

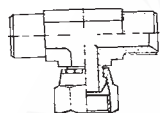


Artikel Code	BSPP	BSPP	Euro
TMG02FGG02B	1/8"	1/8"	3,47
TMG04FGG04B	1/4"	1/4"	4,10
TMG06FGG06B	3/8"	3/8"	5,26
TMG08FGG08B	1/2"	1/2"	7,34
TMG12FGG12B	3/4"	3/4"	10,63
TMG16FGG16B	1"	1"	18,05
TMG20FGG20B	1.1/4"	1.1/4"	26,96

### Adapter T-Stück 2 x AG-zöllig - 1 x DKR (Fuß)

Branch Tee Male BSPP-Swivel Female BSPP

Адаптер-тройник 2 x AG-дюймовый - 1 x DKR (центральное соединение)

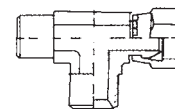


Artikel Code	BSPP	BSPP	Euro
TMG02FGG02P	1/8"	1/8"	3,47
TMG04FGG04P	1/4"	1/4"	4,10
TMG06FGG06P	3/8"	3/8"	5,26
TMG08FGG08P	1/2"	1/2"	7,34
TMG12FGG12P	3/4"	3/4"	10,63
TMG16FGG16P	1"	1"	18,05
TMG20FGG20P	1.1/4"	1.1/4"	26,96

### Adapter T-Stück 2 x AG-metrisch - 1 x IG-metrisch drehbar (Arm)

Run Tee Male Metric-Swivel Female Metric

Адаптер- тройник 2 x AG-метрический - 1 x IG-метрическая вращающаяся (боковое соединение)

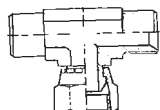


Artikel Code	metrisch metric	metrisch metric	Euro
TMM12FGM12B	12x1,5	12x1,5	14,75
TMM14FGM14B	14x1,5	14x1,5	15,12
TMM16FGM16B	16x1,5	16x1,5	16,50
TMM18FGM18B	18x1,5	18x1,5	16,66
TMM20FGM20B	20x1,5	20x1,5	18,07
TMM22FGM22B	22x1,5	22x1,5	18,10
TMM26FGM26B	26x1,5	26x1,5	21,11
TMM30FGM30B	30x1,5	30x1,5	23,99

**Adapter T-Stück 2 x AG-metrisch -  
1 x IG-metrisch drehbar (Fuß)**

Branch Tee Male Metric-Swivel  
Female Metric

**Адаптер тройник 2 x AG-метрический  
- 1 x IG-метрическая вращающаяся  
(центральное соединение)**

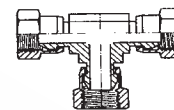


Artikel Code	metrisch metric	metrisch metric	Euro
TMM12FGM12P	12x1,5	12x1,5	14,75
TMM14FGM14P	14x1,5	14x1,5	15,12
TMM16FGM16P	16x1,5	16x1,5	16,50
TMM18FGM18P	18x1,5	18x1,5	16,66
TMM20FGM20P	20x1,5	20x1,5	18,07
TMM22FGM22P	22x1,5	22x1,5	18,10
TMM26FGM26P	26x1,5	26x1,5	21,11
TMM30FGM30P	30x1,5	30x1,5	23,99

**Adapter T-Stück 3 x DKR /  
IG-zöllig - drehbar**

Union Tee Swivel Female BSPP

**Адаптер -тройник 3 x DKR /  
IG-дюймовая - вращающаяся**

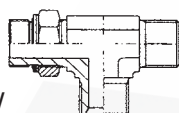


Artikel Code	BSPP	BSPP	Euro
TFGG02	1/8"	1/8"	16,86
TFGG04	1/4"	1/4"	17,75
TFGG06	3/8"	3/8"	19,50
TFGG08	1/2"	1/2"	21,68
TFGG12	3/4"	3/4"	25,62
TFGG16	1"	1"	31,78
TFGG20	1.1/4"	1.1/4"	56,05

**Adapter T-Stück 2 x AG-zöllig / 1 x AG-  
zöllig mit O.R. und Halter (Arm)**

Run Tee BSPP-BSPP O.R.+  
Retaining Seal

**Адаптер -тройник 2 x AG-дюймовый /  
1 x AG-дюймовый с кольцом и зажимом  
(боковое соединение)**

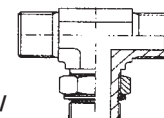


Artikel Code	BSPP	BSPP	Euro
TMG02MOG02B	1/8"	1/8"	5,39
TMG02MOG04B	1/8"	1/4"	6,02
TMG04MOG04B	1/4"	1/4"	6,23
TMG04MOG06B	1/4"	3/8"	7,73
TMG06MOG06B	3/8"	3/8"	7,91
TMG06MOG08B	3/8"	1/2"	9,02
TMG08MOG08B	1/2"	1/2"	9,35
TMG08MOG12B	1/2"	3/4"	13,62
TMG12MOG08B	3/4"	1/2"	13,62
TMG12MOG12B	3/4"	3/4"	14,11
TMG12MOG16B	3/4"	1"	18,40
TMG16MOG16B	1"	1"	19,38

**Adapter T-Stück 2 x AG-zöllig / 1 x AG-  
zöllig mit O.R. und Halter (Fuß)**

Branch Tee BSPP-BSPP O.R.+  
Retaining Seal

**Адаптер - тройник 2 x AG-дюймовый /  
1 x AG-дюймовый с кольцом и зажимом  
(центральное соединение)**



Artikel Code	BSPP	BSPP	Euro
TMG02MOG02P	1/8"	1/8"	5,39
TMG02MOG04P	1/8"	1/4"	6,02
TMG04MOG04P	1/4"	1/4"	6,23
TMG04MOG06P	1/4"	3/8"	7,73
TMG06MOG06P	3/8"	3/8"	7,91
TMG06MOG08P	3/8"	1/2"	9,02
TMG08MOG08P	1/2"	1/2"	9,35
TMG08MOG12P	1/2"	3/4"	13,62
TMG12MOG08P	3/4"	1/2"	13,62
TMG12MOG12P	3/4"	3/4"	14,11
TMG12MOG16P	3/4"	1"	18,40
TMG16MOG16P	1"	1"	19,38

























**WGS-Nippel 0° Typ KAE alt**

Clean-hoses-fitting KAE 0° old

Ниппель для рукавов моечной техники  
KAE - 0°



Artikel Code	Bezeichnung / Discription	Ausführung	Euro
8101220006	WGS-Nippel DN06 KAE-Alt 0°	Stahl	1,80
8101220008	WGS-Nippel DN08 KAE-Alt 0°	Stahl	1,80
8101220010	WGS-Nippel DN10 KAE-Alt 0°	Stahl	1,80
8101220012	WGS-Nippel DN12 KAE-Alt 0°	Stahl	1,80

**WGS-Nippel 90° Typ KAE alt**

Clean-hoses-fitting KAE 90° old

Ниппель для рукавов моечной техники  
KAE - 90°



Artikel Code	Bezeichnung / Discription	Ausführung	Euro
8101220006-90	WGS-Nippel DN06 KAE-Alt 90°	Stahl	4,30
8101220008-90	WGS-Nippel DN08 KAE-Alt 90°	Stahl	4,30
8101220010-90	WGS-Nippel DN10 KAE-Alt 90°	Stahl	4,80

**WGS-Nippel 0° Typ KAE neu (kurzer Kopf)**

Clean-hoses-fitting KAE 0° new (short head)

Ниппель для рукавов моечной техники  
KAE - новый, короткая головка



Artikel Code	Bezeichnung / Discription	Ausführung	Euro
LWM-CP04K14KN	WGS-Nippel DN06 KAE-NEU - kurzer Kopf	Stahl	1,80
LWM-CP05K14KN	WGS-Nippel DN08 KAE-NEU - kurzer Kopf	Stahl	1,80
LWM-CP06K14KN	WGS-Nippel DN10 KAE-NEU - kurzer Kopf	Stahl	1,80
LWM-CP08K14KN	WGS-Nippel DN12 KAE-NEU - kurzer Kopf	Stahl	2,10

## WGS-Muttern (universal)

Clean-hoses-nuts (universal)

Накидные гайки, универсальные,  
для рукавов моечной техники



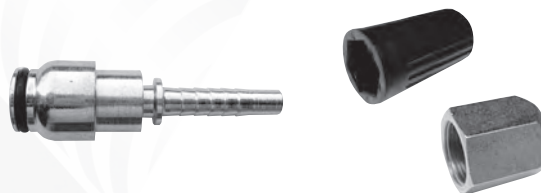
Artikel Code	Bezeichnung / Discription	Ausführung	Euro
LWM31920	WGS-Ü-Mutter 22x1,5 schwarz-kurz-Universal / black-short-universal	Messing	1,10
LWM31925	WGS-Ü-Mutter 22x1,5 blau-kurz-Universal / blue-short-universal	Messing	1,80
LWM31921	WGS-Ü-Mutter 22x1,5 gelb-kurz-Universal / yellow-short-universal	Messing	1,80
LWM319209	WGS-Ü-Mutter 22x1,5 schwarz-kurz-Universal VA / black-short-universal VA	Edelstahl	7,00
LWM319259	WGS-Ü-Mutter 22x1,5 blau-kurz-Universal VA / blue-short-universal VA	Edelstahl	7,00
LWM-DL22A-KA*	WGS-Ü-Mutter 22x1,5 schwarz lang-Universal / black-long-universal	Messing	1,20
LWM31911	WGS-Ü-Mutter 21x1,5 schwarz Universal / VP-AT / black-universal	Messing	1,90
LWM31910	WGS-Ü-Mutter 21x1,5 blau Universal / VP-AT / blue-universal	Messing	1,90

\*Achtung! Nicht für Nippel 90° geeignet! / \*Attention! Not adapted for fitting 90°! / Внимание! Не подходят для ниппеля 90°!

## KAE-System K-2000

KAE-System K-2000

КАЕ-система K-2000




Artikel Code	Bezeichnung / Discription	Ausführung	Euro
LWM-KAE-S2000-MS	WGS-Kunststoffteil für Muttersystem K-2000 schwarz für LWM-Nippel 6-8-10-12 System K-2000	-	2,50
LWM-KAE-S2000-MU	WGS-Mutter 22x1,5 für Kunststoffteil System K-2000 für LWM-Nippel 6-8-10-12 System K-2000	-	1,30
LWM-KAE-S2000-N06*	WGS-Nippel DN06 KAE-System K-2000	-	2,50
LWM-KAE-S2000-N08*	WGS-Nippel DN08 KAE-System K-2000	-	2,50
LWM-KAE-S2000-N10*	WGS-Nippel DN10 KAE-System K-2000	-	2,50

\*nur für Mutter 22x1,5 System K-2000 / \*only for nut 22x1,5 system K-2000 / Только с гайкой 22x1,5, система K-2000

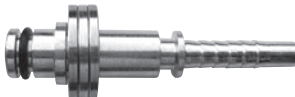


<p><b>WGS-Pistolenanschluß komplett mit Scheibe</b></p> <p>Clean-hoses-fitting with disc</p> <p>Пистолетное соединение с одной шайбой</p>	
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Artikel Code	Bezeichnung / Discription	Ausführung	Euro
8301620006	Pistolenanschluß DN06 K10mm / Sch.21mm / LWM-CP04K10KN	-	1,42
8301620008	Pistolenanschluß DN08 K10mm / Sch.21mm / LWM-CP05K10KN	-	1,42

<p><b>WGS-Pistolendrehanschluß mit Drehlager aus VA</b></p> <p>Clean-hoses-fitting with swivel af stainless steel</p> <p>Пистолетное соединение из нержавеющей стали с подшипником из нержавеющей стали</p>	
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Artikel Code	Bezeichnung / Discription	Ausführung	Euro
8305720006	Pistolendrehanschluß DN06 K11mm mit Drehlager	Edelstahl	10,40
8305720008	Pistolendrehanschluß DN08 K11mm mit Drehlager	Edelstahl	10,40

<p><b>WGS-Pistolendrehanschluß mit 3 Scheiben</b></p> <p>clean-hoses-fitting swiveling with 3 discs</p> <p>Пистолетное вращающееся соединение из стали, с тремя шайбами</p>	
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Artikel Code	Bezeichnung / Discription	Ausführung	Euro
LWM-CP04K11KN	Pistolendrehanschluß DN 06/K11mm drehbar mit 3 Scheiben 22mm	Stahl	3,70
LWM-CP05K11KN	Pistolendrehanschluß DN 08/K11mm drehbar mit 3 Scheiben 22mm	Stahl	3,70

## WGS „Waschgeräteschläuche“ Zubehörartikel

Clean-Hoses-Accessories-Articles / Рукава моечной техники, аксессуары

<p><b>WGS-Einsatz für Stecknippel</b></p> <p>Clean-hoses-double-nipple</p> <p><b>Резиновая защита - наконечник для рукавов моечной техники</b></p>	
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Artikel Code	Bezeichnung / Discription	Ausführung	Euro
3169606	WGS-Einsatz für Stecknippel DN06	-	0,40

<p><b>WGS-Doppelnippel</b></p> <p>Clean-hoses-cartridge for disc-nipple</p> <p><b>Соединитель - переходник для рукавов моечной техники</b></p>	
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Artikel Code	Bezeichnung / Discription	Ausführung	Euro
8722152215	WGS-Doppelnippel 22x1,5 / 22x1,5	-	2,10

\* Achtung, alle Systeme KAE & VP-AT sind aus rechtlichen Gründen nicht für patentierte Kärcher- und WAP-ALTO Systeme zulässig!  
Please pay attention that all systems of KAE and VP-AT are not permissable for patent Kärcher- and WAP-ALTO- Systems from legal base!



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