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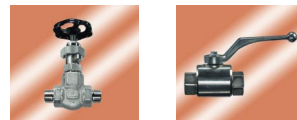
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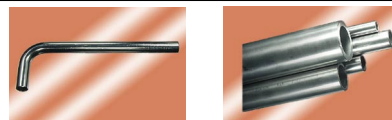
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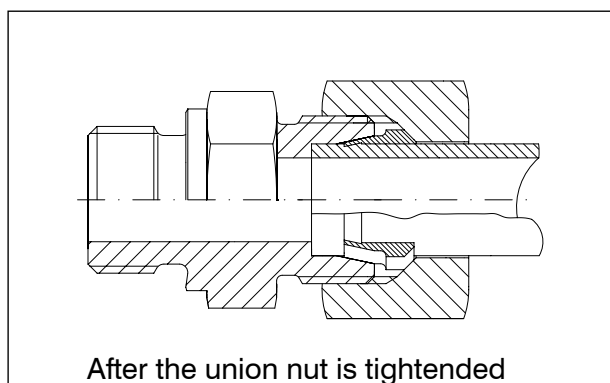
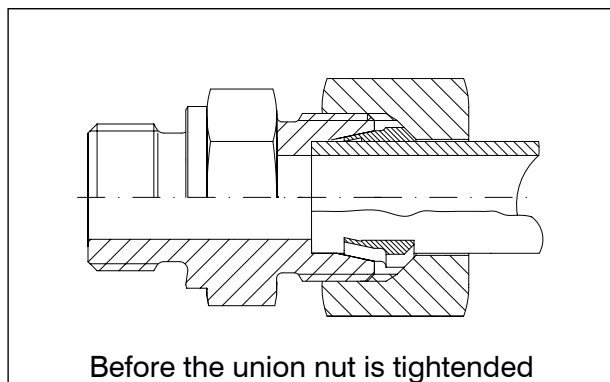
1. General Information

Description of function of screwed pipe connections

This screwed pipe connections are based on screwed connections according to DIN 2353 / DIN EN ISO 8434-1 with bore hole shape W DIN 3861 (24°-cone) and the corresponding connection pieces, these elements are used as standard components. The screwed connection types described in the following all represent functional, tight connections between connection piece and pipe. The selection described must be adapted to the specific technical requirements. When the same connection pieces are used, the various PH systems can be exchanged on the pipe connection side.

2. Double-edge cutting ring screw connection

The use of a double-edge cutting ring offers advantages for most requirements. When the union nut is tightened, first the front cutting edge and then the second edge cuts into the pipe when the union nut is tightened further. After the functional cuts of the cutting edges have been completed, cutting depth is limited by the cutting ring design. At the same time, the ring has become wedge between the pipe and the connection piece. Positive locking of the components is attained in this case in both radial and axial directions.

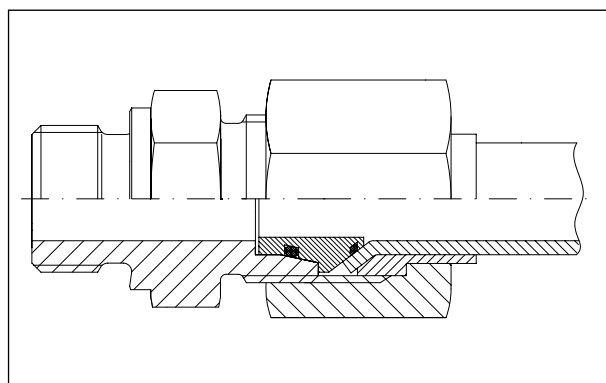


Due to the profile shape and highly positive locking, forces applied to the connection are distributed over the entire length of the cane. This provides optimum protection against vibrations, alternating bending stress and fluctuations in pressure and temperature.

Due to the high surface quality, a relatively advantageous tightening moment can be attained. The risk of „over-tightening“ is reduced due to the noticeably heightened increase of the tightened moment (after the cutting edges have properly cut into the pipe). Slightly „over-tightening“ does not impair overall function.

3. Flare-coupling with o-ring adaptor

This flare-coupling connection provides a secure connection between connection pieces with bore hole shape W DIN 3861 and 37° flared pipe ends. Assembly is easy and can be repeated as often as required. The tapered ring (with inserted o-rings) is inserted into the connection piece until the stop is felt. Due to the shape of the tapered ring, it is lightly wedged into the connection piece. When the union nut is tightened, the thrust collar presses against the pre-formed 37° of the pipe, which in turn presses against the 37° taper of the tapered ring.



Extremely reliable function is ensured by the metallic / elastomer seal. The entire screwed connection can withstand high loads and absorbs alternating bending moments and vibrations. Greater fluctuations in temperature do not influence function.

The maximum permissible temperatures of the materials used must be taken into consideration. This applies to all screwed connections with elastomer seals.

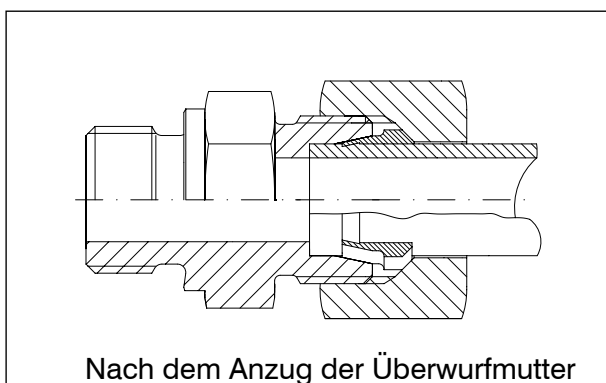
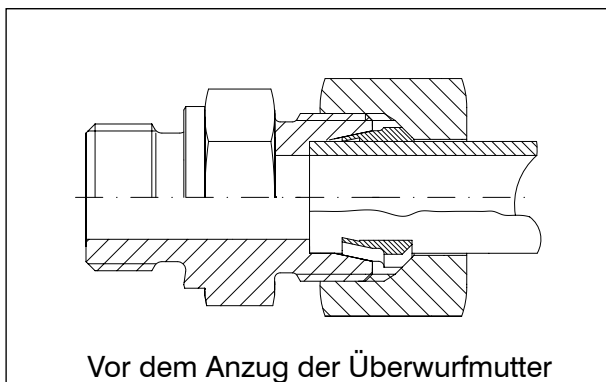
1. Allgemeines

Funktionsbeschreibung der Rohrverschraubungen

Ausgangsbasis sind die Verschraubungen nach DIN 2353 / DIN EN ISO 8434-1 mit Bohrungsform W DIN 3861 (24°-Konus) und deren Stutzen als Standardbauelemente. Funktionelle und dichte Verbindungen zwischen Stutzen stellen grundsätzlich nachfolgende Verschraubungsarten dar, wobei die Auswahl den technischen Bedürfnissen angepasst werden sollte. Bei gleichen Stutzen ist eine Auswechselbarkeit unserer verschiedenen Systeme rohranschlusseitig möglich.

2. Zweikantenschneidring-Verschraubung

Bei Anzug der Überwurfmutter greift zunächst die vordere Schneidkante in das Rohr ein und bei weiterem Anzug die zweite Schneidkante. Nach Beendigung der funktionellen Einschnitte der Schneidkanten ist, bedingt durch die konstruktive Formgebung des Schneidringes, eine weitere Eindringtiefe begrenzt. Gleichzeitig hat sich das Verkeilen des Ringes zwischen Rohr und Stutzen vollzogen. Sowohl in radialer als auch in axialer Richtung ist hierdurch Formschlüssigkeit erreicht worden.

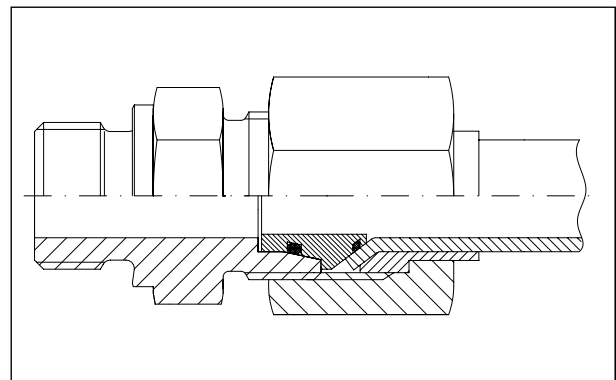


Durch die Profilgebung und hohe Formschlüssigkeit werden auftretende Kräfte auf der gesamten Konuslänge günstig verteilt. Hierdurch wird eine optimale Schwingungssicherheit, hohe Sicherheit gegen Biegewechselspannungen sowie Druck- und Temperaturschwankungen erreicht.

Aufgrund der hohen Oberflächengüte sind relativ günstige Anziehdrehmomente erreichbar. Die Gefahr einer „Übermontage“ ist durch den spürbar starken Anstieg des Momentes (nach funktionsgerechtem Eingriff der Schneidkanten) deutlich erkennbar. Eine leichte „Übermontage“ beeinträchtigt die Gesamtfunktion nicht.

3. Bördelverschraubung mit Zwischenadapter

Durch die Bördelverschraubung wird eine sichere Verbindung zwischen Stutzen mit Bohrungsform W DIN 3861 und 37° gebördelten Rohrenden erreicht. Die Montage ist einfach und beliebig wiederholbar. Der Zwischenring (mit eingelegten O-Ringen) wird bis zum spürbaren Anschlag in den Stutzen eingeführt. Durch seine Form sitzt er leicht klemmend im Stutzen fest. Bei Anzug der Überwurfmutter drückt der Druckring an die vorgeformte Bördelung des Rohres, die sich andererseits an dem 37°-Konus des Kegelringes anpresst.

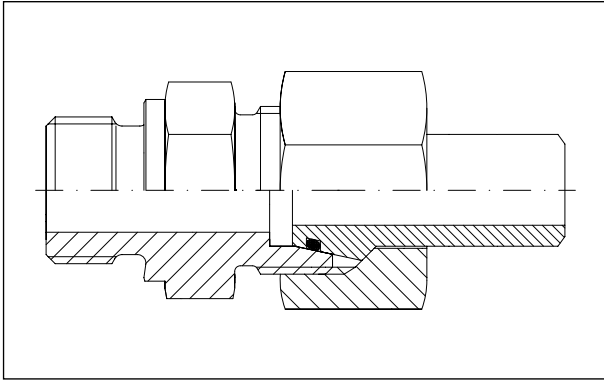


Durch die metallisch / elastomere Abdichtung ist eine denkbar sichere Funktion gewährleistet. Die komplette Verschraubung hält hohen Belastungen stand und sichert Biegewechselsmomente und Schwingungen ab. Auch höhere Temperaturschwankungen beeinträchtigen die Funktion nicht.

Es sind jedoch die zulässigen Höchsttemperaturen der verwendeten Dichtungswerkstoffe zu beachten. Dies gilt bei allen Verschraubungen mit elastomerer Abdichtung!

4. Welding cone-coupling

Screwed pipe connections employing welding cones is a logical supplement to the cutting ring screw connections. The same connection pieces with bore hole shape W DIN 3861 and the corresponding union nuts are used, resulting in the same overall height.



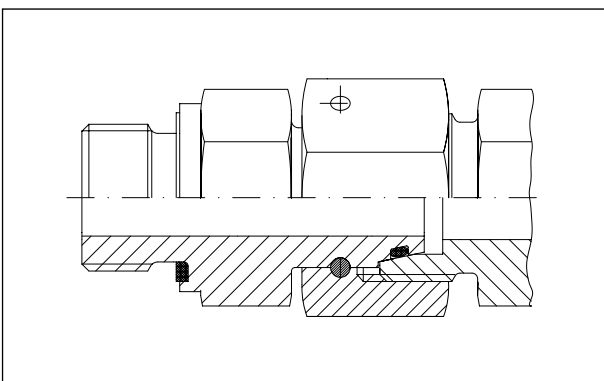
A reliable, tight connection between welding cone and connection piece is provided by the metallic seals and additional o-rings. Such connections withstand extreme loads, including pressure impacts, vibrations and fluctuations in temperature.

Attention!

Due to the high temperatures used, the welding cone must be welded to the pipe before the o-ring is inserted.

5. Cone sealing couplings 24° cone and o-ring

Due to the connecting cone (24°) used, a standardized screwed connection using connection pieces (bore hole shape W according to DIN 3861) is possible. The o-ring additionally inserted in the cone results in a metallic / elastomer seal which provides excellent protection against leakage.



This connection is resistant to pressure impacts and vibrations even under high loads. The dimensions are identical to screwed connections according to DIN EN ISO 8434-4. Either cutting ring, edged or welding cone screw connections are possible for pipe connection.

6. Criteria for use

In order to choose the best suited screwed pipe connection, a few basic criteria must be taken into consideration. Depending on the given circumstances, specific requirements and expectations must be defined which the screwed connection must fulfil. In the selection of screwed connection types, maximum possible safety should be given priority.

The following criteria must be given special attention:

- Max. resistance to pressure loads (in reference to temperature-dependent pressure reductions)
- Temperature sensitivity of material (the tolerance of, for example, FPM lies between -20°C and +200°C)
- Dimensions
- Service life, also in case of repeated assembly
- Option of exchanging screwed pipe connection types

7. Standardization

The standard PH pipe connection program is in compliance with DIN 2353 / DIN EN ISO 8434-1.

Cutting ring connection:

Normally delivered with double-edge ring.

Flare couplings:

SAE J 514 / ISO 8434-2 on request with additional o-ring on the 37° taper of the tapered ring.

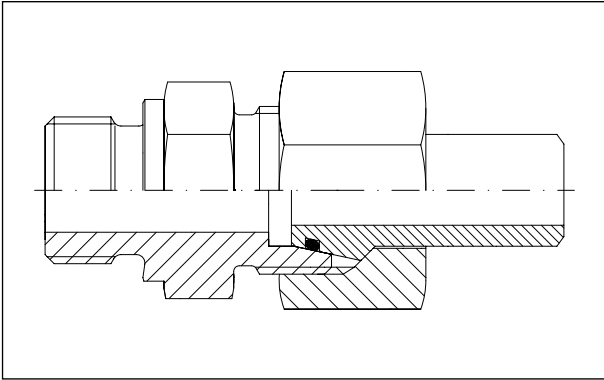
Welding cone and cone sealing coupling:

DIN 3865

DIN EN ISO 8434-4

4. Schweißkegelverschraubung

Die Rohrverschraubung mittels Schweißkegel stellt die sinnvolle Ergänzung zu den Schneidringverschraubungen dar. Es sind die gleichen Stutzen gemäß Bohrungsform W DIN 3861 und entsprechende Überwurfmuttern einsetzbar, so dass sich eine gleiche Bauhöhe ergibt.



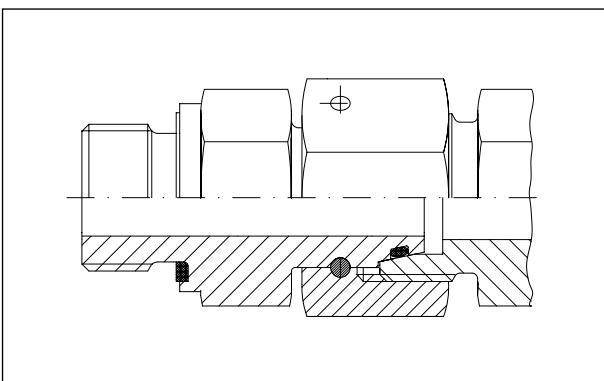
Eine sichere und dichte Verbindung zwischen Schweißkegel und Stutzen ist durch die metallische Abdichtung und zusätzlich eingesetzten O-Ring gegeben. Sie hält auch extremen Belastungen, insbesondere Druckstößen, Schwingungen und Temperaturschwankungen stand.

Achtung!

Der O-Ring darf erst nach Verschweißung des Schweißkegels eingelegt werden!

5. Dichtkegelverschraubungen

Aufgrund des verwendeten Anschlusskegels (24°) ist eine normgerechte Verschraubung mit Stutzen (Bohrungsform W nach DIN 3861) durchführbar. Durch den zusätzlich im Kegel eingelegten O-Ring kommt eine metallisch/elastomere Abdichtung zustande, die eine hohe Leckagesicherheit gewährleistet.



Auch bei hohen Beanspruchungen besteht eine Unempfindlichkeit bei Druckstößen und Schwingungen. Die Baumaße entsprechen den Verschraubungen nach DIN EN ISO 8434-4. Rohranschlussseitig können wahlweise Schneidring-, Bördel- oder Schweißkegelanschlüsse montiert werden.

6. Anwendungskriterien

Um die richtige Auswahl einer geeigneten Rohrverschraubung zu treffen, sollte der Anwender grundlegende Kriterien berücksichtigen. Vom gegebenen Sachverhalt ausgehend sind zielgerichtet Anforderung und Erwartung an das Verschraubungssystem zu knüpfen, wobei die max. zu erwartende Sicherheit Vorzug genießen sollte.

Insbesondere sind zu beachten die:

- Max. Druckbelastbarkeit (unter Berücksichtigung temperaturbezogener Druckabschläge)
- Temperaturempfindlichkeit der Dichtungswerkstoffe (die Resistenz liegt z.B. bei FPM zwischen -20°C bis + 200°C)
- Baumaße
- Lebensdauer, auch bei Wiederholmontagen
- Austauschmöglichkeiten zwischen verschiedenen Rohrverschraubungsarten

7. Normung

Das Standardprogramm der PH-Verschraubungen entspricht der DIN 2353 / DIN EN ISO 8434-1.

Schneidringverschraubungen:

Werden im Normalfall mit Zweikanten-Schneidring geliefert.

Bördelverschraubungen:

SAE J 514 / ISO 8434-2 auf Anfrage mit zusätzlichem O-Ring am 37°-Konus des Kegelringes.

Schweiß- und Dichtkegelverschraubungen:

DIN 3865
DIN EN ISO 8434-4

Union nut for welding cone coupling:

DIN EN ISO 8434-1

Pipe connection sides:

DIN 3861 and ISO 8434-1

Metric and pipe screw threads:

DIN 3852, Sections 1 and 2

NPT-threads:

ANSI / ASME B 1.20.1-1983

UNF- / UN-threads:

SAE J 514

Material to components acc. to DIN 3859-1:

X6CrNiMoTi acc. to DIN 17440 material no. 1.4571 (AISI 316 Ti) + X2CrNiMo - 1.4404 (AISI 316 L)

Sealing rings:

FPM (e.g. Viton®), PTFE (e.g. Teflon®), NBR (Perbunan®) - other on request

8. Pressure and temperature load capability

Pressure load capability

Definition of pressures specified in the catalog:

a) Nominal pressure PN

The nominal pressure as referred.

b) Working pressure PB

The permissible working pressure for a component is based on the material and the operation temperature (TB) during trouble free operation.

Permissible operating temperature (TB)

Stainless steel: -60°C to +400°C

1.4571 (DIN 17 440, AD W 10)

The specifications in the „Pressure reductions“ section are to be observed here.

For sealing materials:

NBR (e.g. Perbunan®) -35°C to +100°C

FPM (e.g. Viton®) -20°C to +200°C

PTFE (e.g. Teflon®) -60°C to +200°C

POM (e.g. Delrin®) -40°C to + 80°C

(Only with ball valves KH)

Perbunan = registered trademark of Bayer.

Viton®, Teflon® and Delrin® = registered trademarks of DuPont.

The temperature limits specified for sealing materials are approximate values, since the temperature limits can be greatly influenced by the medium.

Pressure reductions

Required pressure (determined by the medium) compared with the catalog specifications for higher temperatures.

Fittingmaterial	Temperature range	Pressure reductions
1.4571	-60°C to +20°C	-
1.4571	+50°C	5%
1.4571	+100°C	11%
1.4571	+200°C	20%
1.4571	+300°C	29%
1.4571	+400°C	33%

Intermediate values are to be interpolated

If the tube material used deviates from the fitting material, the tube is to be checked separately with regard to the permissible temperature range and the possible pressure reductions required. Male stud fittings may require additional pressure, due to the mating part material and the sealing system must also be taken into account. For male stud fittings with cutting lace, additional sealants may be required.

The catalog nominal pressures PN and operating pressures (PB) represent the max. permissible operating pressure peaks, in which the temperature limits and pressure reductions listed in the above tables must be taken into account.

Überwurfmutter für Schweißkegelverschraubungen:

DIN EN ISO 8434-1

Rohranschlussseiten:

DIN 3861 und ISO 8434-1

Metrische- und Rohr-Gewinde:

DIN 3852, Teil 1 und 2

NPT-Gewinde:

ANSI/ASME B 1.20.1-1983

UNF-/UN-Gewinde:

SAE J 514

Werkstoff der Bauteile gemäß DIN 3859-1:

X6CrNiMoTi gem. DIN 17440 Werkstoff-Nr. 1.4571 + X2CrNiMo - 1.4404

Dichtungsringe:

FPM (z.B. Viton®), PTFE (z.B. Teflon®), NBR (Perbunan®) - andere auf Anfrage

8. Druck- und Temperatur-Belastbarkeit

Druckbelastbarkeit

Definition der im Katalog angegebenen Drücke:

a) Nenndruck PN

Der Nenndruck ist eine gebräuchliche, gerundete, auf den Druck bezogene Kennzahl.

b) Betriebsdruck PB

Der zulässige Betriebsüberdruck für ein Bauteil ist der höchste Innenüberdruck, der für dieses Bauteil aufgrund des Werkstoffes und der Berechnungsgrundlagen bei der zulässigen Betriebstemperatur TB bei störungsfreiem Betrieb zulässig ist.

Zulässige Betriebstemperaturen TB

Nichtrostender Stahl: -60°C bis +400°C

1.4571 (DIN 17 440, AD W 10)

Die Angaben im Absatz „Druckabschläge“ sind hierbei zu beachten.

Bei Dichtungswerkstoffen

NBR (z.B. Perbunan®) -35°C bis +100°C

FPM (z.B. Viton®) -20°C bis +200°C

PTFE (z.B. Teflon®) -60°C bis +200°C

POM (z.B. Delrin®) -40°C bis + 80°C

(Nur bei Kugelhähnen)

Perbunan = eingetragenes Warenzeichen der Fa. Bayer.

Viton®, Teflon® und Delrin® = eingetragene Warenzeichen der Fa. Du Pont.

Die angegebenen Temperaturgrenzen für Dichtungswerkstoffe sind Richtwerte, da die Temperaturgrenzen vom Medium stark beeinflusst werden können.

Druckabschläge

Werkstoffbedingt erforderliche Druckabschläge gegenüber den Katalogangaben bei erhöhten oder tiefen Temperaturen.

Verschraubungs-werkstoff	Temperaturbereich	Druckabschlag
1.4571	-60°C bis +20°C	-
1.4571	+50°C	5%
1.4571	+100°C	11%
1.4571	+200°C	20%
1.4571	+300°C	29%
1.4571	+400°C	33%

Zwischenwerte sind zu interpolieren.

Weichen die verwendeten Rohrwerkstoffe von denen der Verschraubungen ab, sind die Rohre hinsichtlich des zulässigen Temperaturbereiches und der evtl. erforderlichen Druckabschläge getrennt zu überprüfen. Bei Verschraubungskomponenten mit Einschraubzapfen können zusätzliche Druckabschläge erforderlich sein, da der Gegenwerkstoff des Aggregates, in das die Teile eingeschraubt werden und das Dichtsystem berücksichtigt werden müssen. Bei voller Ausnutzung des Nenn- bzw. Betriebsdruckes werden Einschraubverschraubungen mit Abdichtung durch Weichdichtung empfohlen. Bei Verwendung von Einschraubverschraubungen mit Dichtkante können zusätzliche Dichtmittel erforderlich sein.

Operational safety at static load:

Types with PN

Specification: 4x

Types with PB

Specification: complete fitting min. 2,5 x
tube connection 4 x

(if not otherwise specified)

These pressure and safety specifications are based on all assemblies being in accordance to PH instructions.

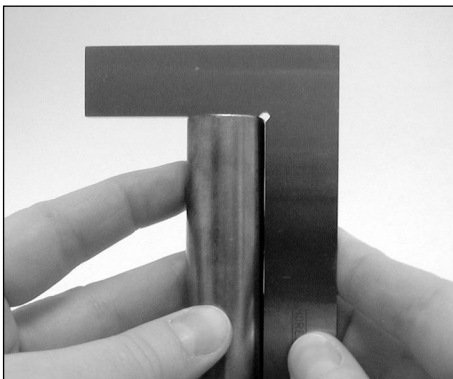
It is further assumed that the tube routing will be laid and clamped in such a fashion that no additional stress, load or tension may act on the fittings. Tube fixtures are to be laid with sufficient stability according to the operating conditions and connected with supports.

9. Assembly instructions according to DIN 3859-2

In order to ensure proper screwed pipe connections, several basic prerequisites must be met in the assembly of all screw connection systems. Improper assembly may lead to malfunctions and impair safety.

9.1 Preparation of pipes

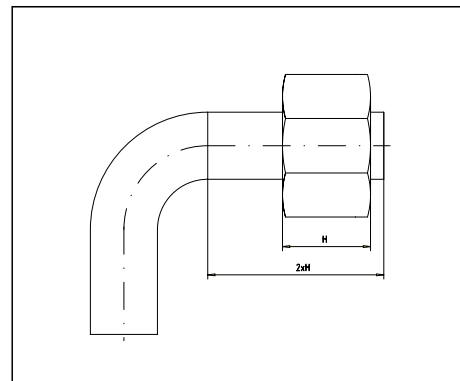
1. Saw off pipe at a right angle. Deviation of angle pipe axis of up to $1/2^\circ$ is permissible. Do not use a pipe cutter!



2. Lightly deburr pipe in the inside and outside of the cut edges. Bevel angles of up to $0,2 \times 45^\circ$ is permissible. Remove chips and particles.



3. For pipe bends, the minimum height from the straight pipe end to the bending radius must be noted. This must be at least twice the height of the union nut.



Die katalogmäßigen Nenndrücke (PN) und Betriebsdrücke (PB) stellen die max. zulässigen Betriebsdrücke einschließlich Druckspitzen dar, wobei die in den vorstehenden Tabellen aufgeführten Temperaturgrenzen und Druckabschläge berücksichtigt werden müssen.

Funktionssicherheiten bei ruhender Belastung:

Typen mit PN Angabe: 4-fach

Typen mit PB Angabe: komplette Verschraubung
min. 2,5-fach
Rohranschluss 4-fach

(wenn nicht anders angegeben).

Die Druck- und Sicherheitsangaben setzen voraus, dass die Montagen gemäß den Montagevorschriften durchgeführt wurden.

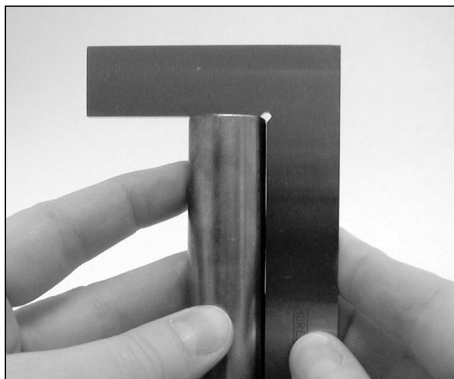
Es wird ferner vorausgesetzt, dass die Rohrleitungssysteme so verlegt und gehalten werden, dass keine zusätzlichen Beanspruchungen, Belastungen und Spannungen auf die Verschraubungen einwirken. Rohrhalterungen sind den Betriebsverhältnissen entsprechend genügend stabil auszulegen und mit Festpunkten zu verbinden.

9. Montageanleitung gemäß DIN 3859-2

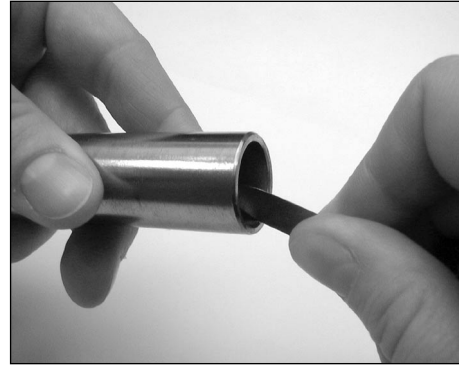
Um einwandfreie Rohrverbindungen zu erhalten, sind bei der Montage aller Verschraubungssysteme grundlegende Voraussetzungen zu erfüllen. Unsachgemäße Montage kann zu Funktionsstörungen führen und beeinträchtigt die Sicherheit.

9.1 Rohrvorbereitung

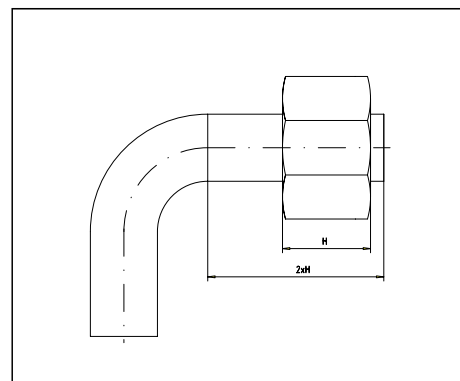
1. Rohre rechtwinklig absägen. Winkelabweichung bis $\frac{1}{2}^\circ$ zur Rohrachse ist zulässig. Keine Rohrabschneider verwenden!



2. Rohr an den Schnittkanten innen und außen leicht entgraten. Fase bis $0,2 \times 45^\circ$ ist zulässig. Späne und Schmutz entfernen.

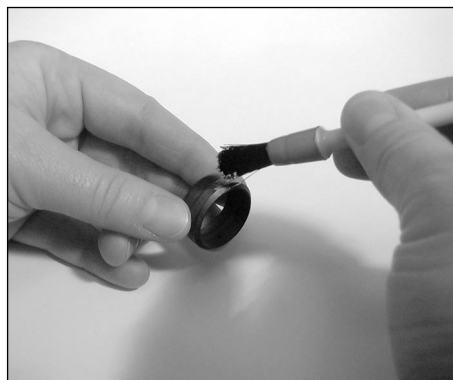


3. Bei Rohrbögen ist die Mindesthöhe des geraden Rohrendes bis Biegeradius zu beachten. Sie muss mind. der 2-fachen Höhe der Überwurfmutter entsprechen.



9.2 Assembly of cutting ring screw connection

Pipes of rustproof steel must be pre-assembled in hardened pre-assembly connection pieces or the corresponding devices. This can also be recommended for serial assembly using components of other materials.

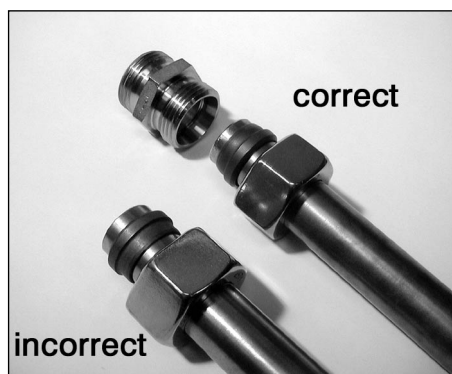


9.3 Assembly with hardened pre-assembly connection pieces

1. Lightly grease the threads of the union nut, thread and cone of the pre-assembly connection piece and cutting ring, using, for example anti seize agent „Gleitmo 810“ or Weicon High-Tech-Paste ASW 040 P.

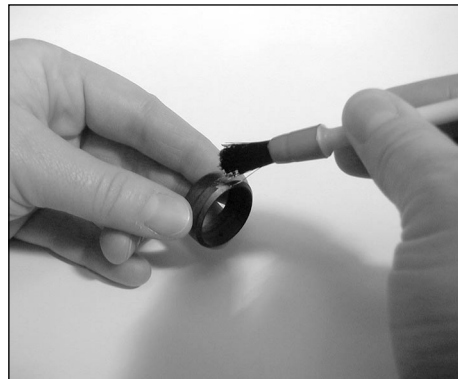
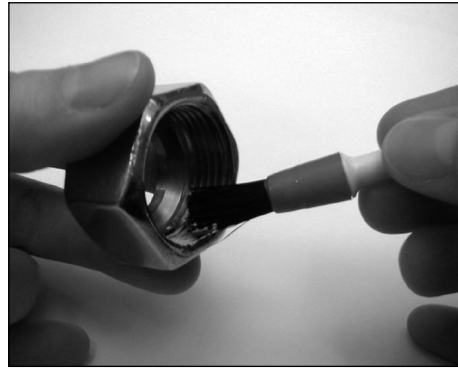


2. Slide union nut and cutting ring onto the pipe. Ensure that the cutting ring is positioned correctly (see drawing below).



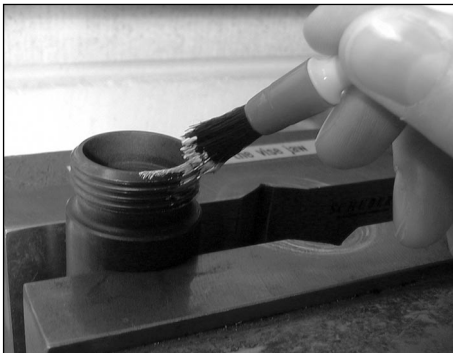
9.2 Montage Schneidringverschraubung

Rohre aus nichtrostenden Stählen sind in gehärteten Vormontagegestutzen oder entsprechenden Vorrichtungen vorzumontieren. Dies ist auch für Serienmontagen mit Bauteilen aus anderen Werkstoffen empfehlenswert.



9.3 Montage mit gehärteten Vormontagegestutzen

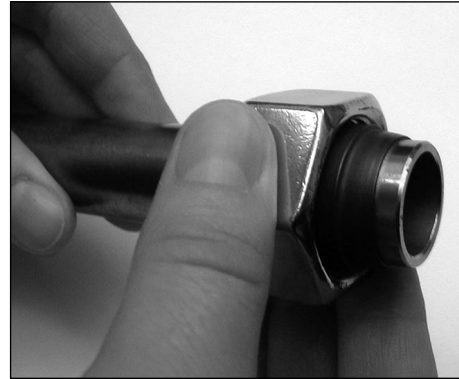
1. Gewinde der Überwurfmutter, Gewinde und Konus des Vormontagegestutzen und Schneidring leicht einfetten, z.B. mit Gleitmittel „Gleitmo 810“ oder Weicon High-Tech-Paste „ASW 040P“.



3. Screw the union nut onto the pre-assembly connection piece as far as possible by hand. At the same time, press the pipe against the stop. As soon as the cutting ring has cut into the pipe, the tightening moment will increase noticeably. A flag at the union nut facilitates the observation of the necessary revolutions. Tighten union nut using a wrench by approx. 1 1/4 revolution. Important: Do not turn the pipe with the nut!



4. Check whether a visible collar has formed on the pipe in front of the (first) cutting edge.



9.4 Final assembly in screwed connection piece

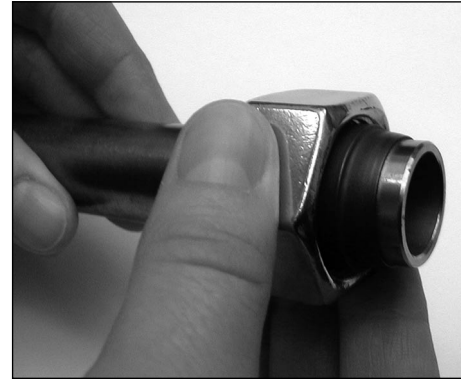
Insert the pre-assembled pipe into the screwed connection piece. Tighten union nut approx. 1/2 revolution beyond the point at which the tightening moment increases noticeably, holding the screwed connection piece with a wrench.



3. Überwurfmutter so weit als möglich von Hand auf den Vormontagestutzen schrauben. Gleichzeitig das Rohr gegen den Anschlag drücken. Sobald der Schneidring das Rohr erfasst hat, wird ein deutlicher Drehmomentanstieg spürbar. Ein Markierungszeichen an der Überwurfmutter erleichtert die Beobachtung der erforderlichen Umdrehungen. Überwurfmutter mit Schlüssel ca. $1 \frac{1}{4}$ Umdrehung anziehen. Achtung: Das Rohr darf nicht mitdrehen!



4. Überprüfen, ob sich am Rohr vor der (ersten) Schneidkante ein sichtbarer Bund aufgeworfen hat.



9.4 Fertigmontage im Verschraubungsstutzen

Vormontiertes Rohr in den Verschraubungsstutzen einsetzen. Mutter um ca. $\frac{1}{2}$ Umdrehung über den spürbaren Punkt des Kraftanstiegs nachziehen und dabei den Verschraubungsstutzen mit Schlüssel gegenhalten.

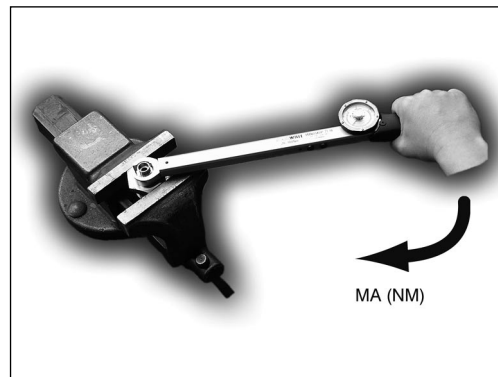


ANZIEHDREHMOMENTE

TIGHTENING TORQUES

für Einschraubzapfen, Schneidringverschraubungen aus
1.4571 / Gegenwerkstoff Edelstahl 1.4571

for port connections, cutting ring couplings made of 1.4571
/ counterpart material stainless steel 1.4571



Reihe Series	Rohr A.D. Tube O.D.	Einschraubgewinde Male stud thread Rohrgewinde BSPF thread	MA (Nm)	Einschraubgewinde Male stud thread Metrisches ISO-Gewinde Metric ISO-thread	MA (Nm)
L	6	G 1/8" A	30	M 10 x 1	30
L	8	G 1/4" A	60	M 12 x 1,5	35
L	10	G 1/4" A	60	M 14 x 1,5	60
L	12	G 3/8" A	95	M 16 x 1,5	95
L	15	G 1/2" A	190	M 18 x 1,5	110
L	18	G 1/2" A	130	M 22 x 1,5	190
L	22	G 3/4" A	265	M 26 x 1,5	340
L	28	G 1" A	445	M 33 x 2	510
L	35	G 1 1/4" A	720	M 42 x 2	720
L	42	G 1 1/2" A	960	M 48 x 2	960
S	6	G 1/4" A	75	M 12 x 1,5	45
S	8	G 1/4" A	75	M 14 x 1,5	75
S	10	G 3/8" A	135	M 16 x 1,5	115
S	12	G 3/8" A	135	M 18 x 1,5	145
S	14	G 1/2" A	205	M 20 x 1,5	205
S	16	G 1/2" A	170	M 22 x 1,5	230
S	20	G 3/4" A	385	M 27 x 2	385
S	25	G 1" A	460	M 33 x 2	600
S	30	G 1 1/4" A	720	M 42 x 2	720
S	38	G 1 1/2" A	960	M 48 x 2	960

Toleranz der in o.g. Tabelle aufgeführten Anziehdrehmomente = + 10 %.

Wichtiger Hinweis: Einschraubzapfen vor dem Einschrauben mit geeigneten Mitteln einschmieren.

Tolerance in above mentioned table of specified torque data = + 10 %.

Important: Male stud thread has to be greased with recommended lubrication before screwing in.

Die angegebenen Werte gelten für zylindrische Einschraubverschraubungen aus Edelstahl 1.4571, der Gegenkörper mit dem Einschraubloch ebenfalls aus Edelstahl 1.4571.

Die Werte gelten nicht für Schwenkverschraubungen WHV / THV. Die Werte gelten ebenfalls nicht für kegelige sowie NPT Einschraubgewinde.

Für Adapter Katalog Teil 5 und Gewinde-Reduzierungen Teil 8 (Typ GRI) sind die Anziehdrehmomente der Reihe S zu verwenden.

The mentioned data are only valid for parallel male stud couplings made of material 1.4571 (AISI 316 Ti), the counterpart with port made of material 1.4571 (AISI 316 Ti), too.

The data are not valid for banjo couplings WHV / THV, also not for taper and NPT male threads.

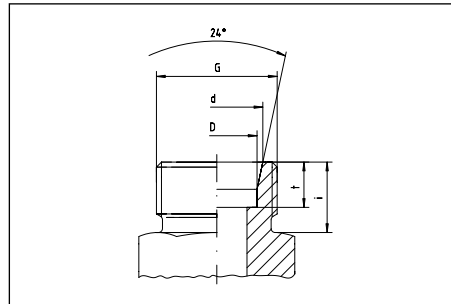
For adaptors (catalog part 5) and reducing stud adaptors (catalog part 8, type GRI) the specified torque data of the S-series have to be used.

SCHNEIDRINGANSCHLUß

CUTTING RING CONNECTION

Schneidringanschluß
Bohrungsform W DIN 3861 + DIN EN ISO 8434-1

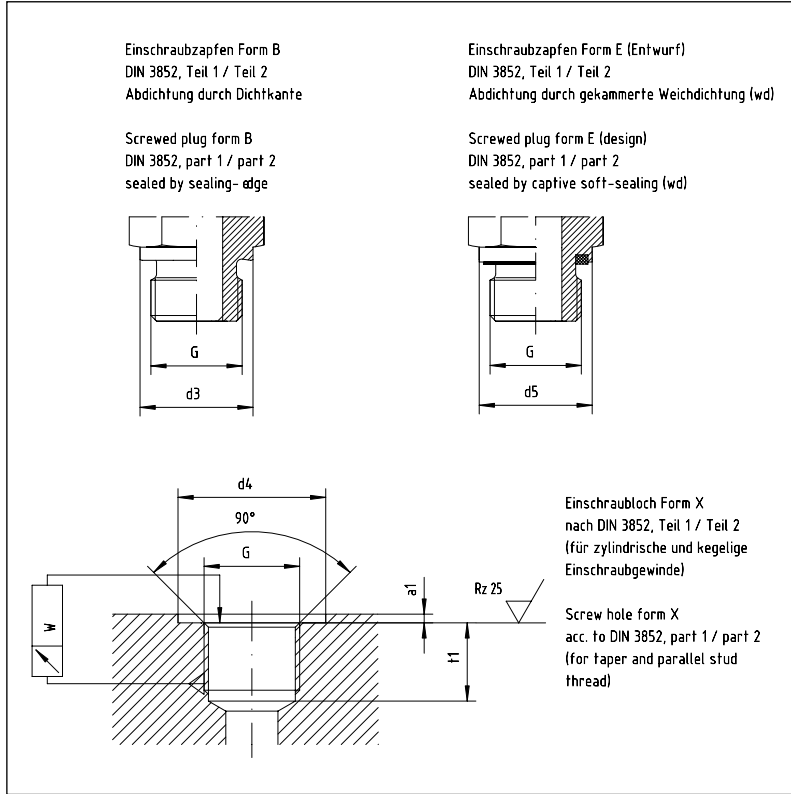
cutting ring connection
type of part W DIN 3861 + DIN EN ISO 8434-1



Reihe Series	Rohr A.D. Tube O.D. D	Gewinde Thread G	d	i	t
LL	4	M 8 x 1	5,0	8	4,0
LL	6	M 10 x 1	7,5	8	5,5
LL	8	M 12 x 1	9,5	9	5,5
L	6	M 12 x 1,5	8,1	10	7,0
L	8	M 14 x 1,5	10,1	10	7,0
L	10	M 16 x 1,5	12,3	11	7,5
L	12	M 18 x 1,5	14,3	11	7,0
L	15	M 22 x 1,5	17,3	12	7,0
L	18	M 26 x 1,5	20,3	12	7,5
L	22	M 30 x 2	24,3	14	7,5
L	28	M 36 x 2	30,3	14	7,5
L	35	M 45 x 2	38,0	16	10,5
L	42	M 52 x 2	45,0	16	11,0
S	6	M 14 x 1,5	8,1	12	7,0
S	8	M 16 x 1,5	10,1	12	7,0
S	10	M 18 x 1,5	12,3	12	7,7
S	12	M 20 x 1,5	14,3	12	7,5
S	14	M 22 x 1,5	16,3	14	8,0
S	16	M 24 x 1,5	18,3	14	8,5
S	20	M 30 x 2	22,9	16	10,5
S	25	M 36 x 2	27,9	18	12,0
S	30	M 42 x 2	33,0	20	13,5
S	38	M 52 x 2	41,0	22	16,0

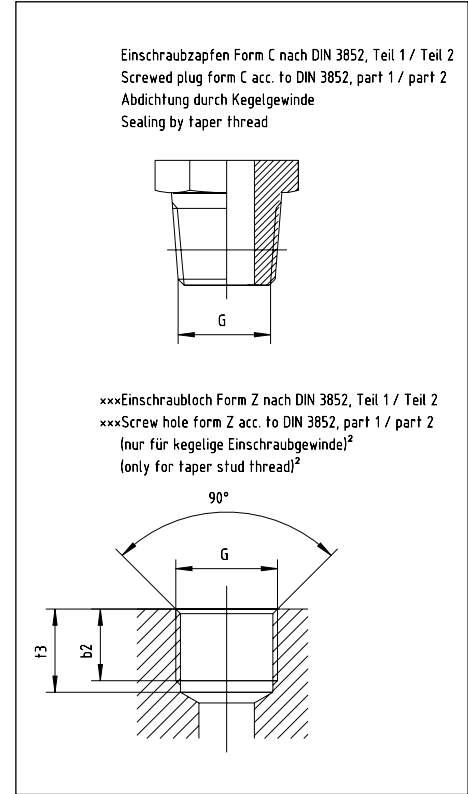
EINSCHRAUBZAPFEN / EINSCHRAUBLÖCHER

für Rohrverschraubungen
for screwed pipe connections
metrisches ISO-Gewinde (zylindrisch) DIN 13
metric ISO-thread (parallel) DIN 13
Whitworth-Rohrgewinde (zylindrisch) DIN / ISO 228
Whitworth-pipe-thread (parallel) DIN / ISO 228



SCREWED PLUGS / SCREW HOLES

Metrisches kegeliges Außengewinde DIN 158
Metric taper outside thread DIN 158
Whitworth-Rohrgewinde (kegelig) DIN 3858
Whitworth-pipe-thread (taper) DIN 3858



G	d3	d4 +0,4	d5	a1 max.	b1 min.	t1 min.	W
M 8 x 1	12	13	12,0	1,0	8	13,5	0,1
M 10 x 1	14	15	14,0	1,0	8	13,5	0,1
M 12 x 1,5	17	18	17,0	1,5	12	18,5	0,1
M 14 x 1,5	19	20	19,0	1,5	12	18,5	0,1
M 16 x 1,5	21	22	21,9	1,5	12	18,5	0,1
M 18 x 1,5	23	24	23,9	2,0	12	18,5	0,1
M 20 x 1,5	25	26	25,9	2,0	14	20,5	0,1
M 22 x 1,5	27	28	27,0	2,5	14	20,5	0,1
M 26 x 1,5	31	32	31,9	2,5	16	22,5	0,2
M 27 x 2	32	33	32,0	2,5	16	24,0	0,2
M 33 x 2	39	40	39,9	2,5	18	26,0	0,2
M 42 x 2	49	50	49,9	2,5	20	28,0	0,2
M 48 x 2	55	56	55,0	2,5	22	30,0	0,2
G 1/8" A ¹	14	15	14,0	1,0	8	13,0	0,1
G 1/4" A ¹	18	19	18,9	1,5	12	18,5	0,1
G 3/8" A ¹	22	23	22,0	2,0	12	18,5	0,1
G 1/2" A ¹	26	27	26,9	2,5	14	22,0	0,1
G 3/4" A ¹	32	33	32,0	2,5	16	24,0	0,2
G 1" A ¹	39	40	39,9	2,5	18	27,0	0,2
G 1 1/4" A ¹	49	50	49,9	2,5	20	29,0	0,2
G 1 1/2" A ¹	55	56	55,0	2,5	22	31,0	0,2

G	b2 min.	t3 min.
M 8 x 1 keg	5,5	10,0
M 10 x 1 keg	5,5	10,0
M 12 x 1,5 keg	8,5	13,5
M 14 x 1,5 keg	8,5	13,5
M 16 x 1,5 keg	8,5	13,5
M 18 x 1,5 keg	8,5	13,5
M 20 x 1,5 keg	10,5	15,5
M 22 x 1,5 keg	10,5	15,5
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
R 1/8" keg	5,5	9,5
R 1/4" keg	8,5	13,5
R 3/8" keg	8,5	13,5
R 1/2" keg	10,5	16,5
-	-	-
-	-	-
-	-	-
-	-	-

¹Bei Innengewinden entfällt A!
¹With female thread "A" applicable!
²Dichtheit kann nur mit flüssigen oder plastischen Dichtmitteln erreicht werden!
²Sealing can only be achieved with liquid or plastic jointing-medium.

*****Achtung:** Zusätzliches Dichtmittel erforderlich!
*****Attention:** Additional sealing material required!

zur jeweiligen Schlauch- und Gewindegröße

to each hose and thread size

Schlüsselkennzahl Key-Code size / dash	Schlauchgröße Hose size		Rohrgewinde zyl. + keg. BSP-thread parallel + taper	NPT-Gewinde NPT-thread	UNF(UN)-Gewinde UNF(UN)-thread JIC - 37°	UNF, UN, UNS Gewinde / thread ORFS	SAE (ISO) - Flansch SAE (ISO) - flange 3000 / 6000 PSI
	DN	in.					
02			1/8"-28	1/8"-27			
04	06	1/4"	1/4"-19	1/4"-18	7/16"-20	9/16"-18	
05	08	5/16"			1/2"-20		
06	10	3/8"	3/8"-19	3/8"-18	9/16"-18	11/16"-16	1/2"
08	12	1/2"	1/2"-14	1/2"-14	3/4"-16	13/16"-16	
10	16	5/8"	5/8"-14		7/8"-14	1"-14	
12	19	3/4"	3/4"-14	3/4"-14	1 1/16"-12	1. 3/16"-12	3/4"
16	25	1"	1"-11	1"-11,5	1 5/16"-12	1. 7/16"-12	1"
20	31	1 1/4"	1 1/4"-11	1 1/4"-11,5	1 5/8"-12	1. 11/16"-12	1 1/4"
24	38	1 1/2"	1 1/2"-11	1 1/2"-11,5	1 7/8"-12	2"-12	1 1/2"
32	51	2"	2"-11	2"-11,5	2 1/2"-12		2"
38	60	2 3/8"					
40							2 1/2"
48	76	3"					3"

SCHLAUCHARMATUREN OHNE AUSREISSICHERUNG HOSE COUPLINGS WITHOUT WIRE TRAP AREA

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HINWEISE ZU DEN NENN- DRÜCKEN DER ARMATUREN

WORKING PRESSURE FOR HOSE FITTINGS

Bitte beachten Sie die maximal zulässigen Betriebsdrücke der Anschlußarmaturen gemäß den zugehörigen Normen:

- DIN 20066
- DIN 7641
- DIN 7642
- SAE 514
- SAE J 518
- SAE J 1453
- BS 5200-ISO WD 8434-6

Please note the maximum allowed working pressures for hose fitting connections according to their international standards as described in:

- DIN 20066
- DIN 7641
- DIN 7642
- SAE 514
- SAE J 518
- SAE J 1453
- BS 5200-ISO WD 8434-6

Beschreibung Description	Normen Standards	Max. Betriebsdruck in bar Max. working pressure in bar										
		Zoll / Inch										
		1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	
		Dash										
		04	05	06	08	10	12	16	20	24	32	
		DN										
		6	8	10	12	16	19	25	31	38	51	
Außengewinde - BSP zyl. + keg. Male nipples - BSP + taper	AGR + AGRk	BS 5200 - ISO WD8434-6	350	350	350	315	315	250	200	160	125	80
Dichtkopf BSP - O-Ring Tapered nipples with O-ring	DKOR	BS 5200 - ISO WD8434-6						315	250	200	100	125
Dichtkopf - BSP Tapered nipples - BSP	DKR + DRF	BS 5200 - ISO WD8434-6	350	350	350	315	315	250	200	160	125	80
Universaldichtkopf Universal tapered nipples	DKL	DIN 20066	250	250	250	250	160					
Dichtkopf metrisch 60° Universal tapered nipples	DKLL	DIN 20066						63	63	63	63	40
Außengewinde metrisch 24° Metric-male nipples 24°	CEL	DIN 20066	250	250	250	250	160	160	100	100	100	
Dichtkopf metrisch 24° Tapered nipples with O-ring	DKOL	DIN 20066	250	250	250	250	160	160	100	100	100	
Außengewinde metrisch 24° Metric-male nipples 24°	CES	DIN 20066	630	630	630	400	400	400	250	250		
Dichtkopf metrisch 24° Tapered nipples with O-ring	DKOS	DIN 20066	630	630	630	400	400	400	250	250		
Ringstutzen Banjos	RGN	DIN 7641 + 7642	200	200	200	200	200	200	200			
Außengewinde JIC-37° JIC-37°-Male nipples	AGJ	SAE 514	345	345	345	310	240	240	210	170	140	105
Dichtkopf JIC-37° JIC-37°-Female nipples	DKJ	SAE 514	275	275	275	275	210	210	170	140	105	80
Außengewinde NPT Male nipples NPT	AGN	SAE 514	345	276	276	241	155	155	138	112	86	78
ORFS Außengewinde-Nippel ORFS Male nipples	MORFS	SAE J 1453	413	413	413	413	413	413	413	275	275	207
Dichtkopf ORFS - gerade ORFS-Nipples - straight	FORFS gerade FORFS straight	SAE J 1453	413	413	413	413	413	413	413	275	275	207
Dichtkopf ORFS - Bogen ORFS-Nipples - elbow	FORFS Bogen FORFS elbow	SAE J 1453	413	413	413	413	413	413	345	345	275	207
SAE-Flanschnippel SAE-Flanged nipples	SFL 3000 PSI	SAE J 518 / ISO 6162-1				345		345	345	276	207	207
SAE-Flanschnippel SAE-Flanged nipples	SFS 6000 PSI	SAE J 518 / ISO 6162-2				414		414	414	414	414	414

ÜBERSICHTSTABELLE FASSUNGEN UND SCHLÄUCHE PRODUCT OVERVIEW OF FERRULES AND HOSES

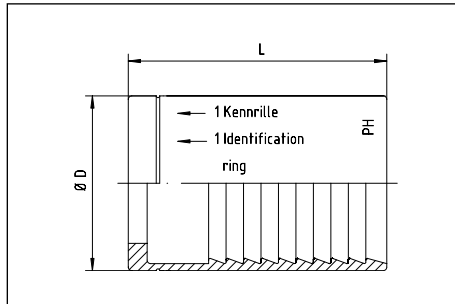
In der Übersichtstabelle finden Sie die richtige Fassung zu Ihrem Schlauch.
Here you will find the correct ferrule to your hose.

skive = schälen
non skive = nicht schälen

DN	Schlauch-Typ Hose-Type →		2 TE - EN 854	3 TE - EN 854	1 ST - EN 853	2 ST - EN 853	1 SN - EN 853 SAE 100 R1AT	2 SN - EN 853 SAE 100 R2AT	1 SC - EN 857	2 SC - EN 857	4 SP - EN 856	4 SH - EN 856	R 13 - EN 856	SAE 100 R 15	R 7 - EN 855	PTFE - glatt PTFE - flat
	Größe size dash	Zoll inch	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type	Fassung-Typ Ferrule-Type Interlock	Fassung-Typ Ferrule-Type Interlock	Fassung-Typ Ferrule-Type Interlock	Fassung-Typ Ferrule-Type
06	04	1/4"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P9 non skive	P1 non skive skive	P3 skive				PF-R7 non skive	PF-PTFE
08	05	5/16"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P9 non skive	P1 non skive skive					PF-R7 non skive	PF-PTFE
10	06	3/8"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P9 non skive	P1 non skive skive	P3 skive				PF-R7 non skive	PF-PTFE
12	08	1/2"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P9 non skive	P1 non skive skive	P3 skive				PF-R7 non skive	PF-PTFE
16	10	5/8"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P1 non skive	P1 non skive skive	P3 skive				PF-R7 non skive	PF-PTFE
19	12	3/4"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P1 non skive	P1 non skive skive	P3 skive	P4-I internal+external skive	P6-I internal+external skive	P7-I internal+external skive	PF-R7 non skive	PF-PTFE
25	16	1"	P1 non skive	P2 non skive	P1 skive	P3 skive	P1 non skive skive	P2 non skive P3 skive	P1 non skive	P1 non skive skive	P3 skive	P4-I internal+external skive	P6-I internal+external skive	P7-I internal+external skive	PF-R7 non skive	PF-PTFE
31	20	1 1/4"		P2 non skive	P1 skive	P3 skive	P1 non skive skive	P8 non skive P3 skive			P3 skive	P4-I internal+external skive	P6-I internal+external skive	P7-I internal+external skive		
38	24	1 1/2"		P2 non skive	P1 skive	P3 skive	P1 non skive skive	P8 non skive P3 skive			P3 skive	P4-I internal+external skive	P6-I internal+external skive	P7-I internal+external skive		
51	32	2"		P2 non skive	P1 skive	P3 skive	P1 non skive skive	P8 non skive P3 skive			P3 skive	P4-I internal+external skive	P6-I internal+external skive			
60	38	2 3/8"		P2 non skive				P8 non skive								
76	48	3"						P8 non skive								
80				P2 non skive												

PF-PTFE
für Schlauchtyp:
PTFE-Schlauch, dicke Seele, mit 1 Klöppellage, Seite 17.20

PF-PTFE
for hose type:
PTFE-hose, heavy wall, with 1 braid, page 17.20



Zu verwenden für Nippel Seite 2.10 - 2.45

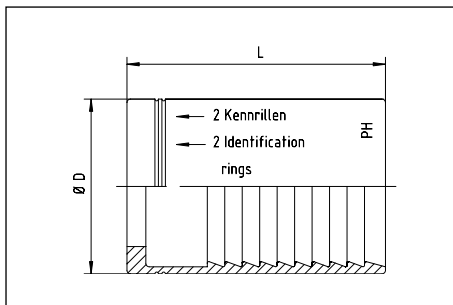


To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	14	33,0		PF-PTFE-DN 06
08	5/16"	17	33,0		PF-PTFE-DN 08
10	3/8"	19	33,0		PF-PTFE-DN 10
12	1/2"	23	35,0		PF-PTFE-DN 12
16	5/8"	27	38,0		PF-PTFE-DN 16
19	3/4"	30	44,0		PF-PTFE-DN 19
25	1"	37	50,0		PF-PTFE-DN 25

PF-R7 - nicht schälen
für Schlauchtyp:
SAE 100 R7

PF-R7 - non skive
for hose type:
SAE 100 R7



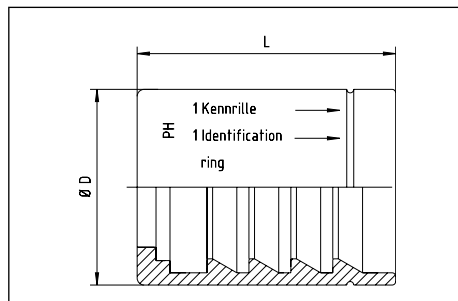
Zu verwenden für Nippel Seite 2.10 - 2.45



To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	18	34,5		PF-R7-DN 06
08	5/16"	19	34,5		PF-R7-DN 08
10	3/8"	22	35,0		PF-R7-DN 10
12	1/2"	25	37,0		PF-R7-DN 12
16	5/8"	30	40,0		PF-R7-DN 16
19	3/4"	33	45,0		PF-R7-DN 19
25	1"	40	50,0		PF-R7-DN 25

P1
für Schlauchtyp:
2 TE - DIN - EN 854 - DN <25
1 SN - DIN - EN 853 + SAE 100 R1AT
1 ST - DIN - EN 853 + SAE 100 R1A
1 SC - DIN - EN 857 - DN 16 - 19 - 25
2 SC - Compact - DIN - EN 857



Zu verwenden für Nippel Seite 2.10 - 2.45

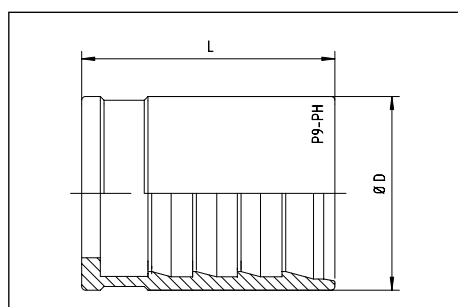
P1
for hose type:
2 TE - DIN - EN 854 - DN <25
1 SN - DIN - EN 853 + SAE 100 R1AT
1 ST - DIN - EN 853 + SAE 100 R 1 A
1 SC - DIN - EN 857 - DN 16 - 19 - 25
2 SC - Compact - DIN - EN 857



To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	20	34,5		P1-DN 06
08	5/16"	22	34,5		P1-DN 08
10	3/8"	25	35,0		P1-DN 10
12	1/2"	28	37,0		P1-DN 12
16	5/8"	32	40,0		P1-DN 16
19	3/4"	36	45,0		P1-DN 19
25	1"	45	50,0		P1-DN 25
31	1 1/4"	55	70,0		P1-DN 31
38	1 1/2"	60	70,0		P1-DN 38
51	2"	76	80,0		P1-DN 51

P9 - nicht schälen
für Schlauchtyp:
1 SC - DIN - EN 857



Zu verwenden für Nippel Seite 2.10 - 2.45

P9 - non skive
for hose type:
1 SC - DIN - EN 857



To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	18	30,5		P9-DN 06
08	5/16"	19	32,0		P9-DN 08
10	3/8"	22	33,0		P9-DN 10
12	1/2"	26	34,0		P9-DN 12

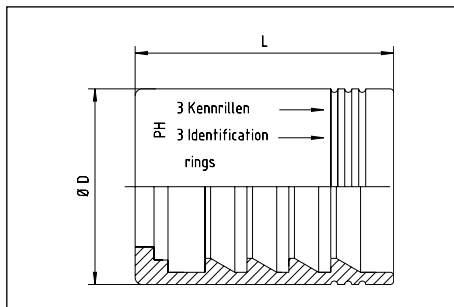
P3 - schälen

für Schlauchtyp:

2 ST - DIN - EN 853 + SAE 100 R2A

2 SN - DIN - EN 853 + SAE 100 R2AT

4 SP - DIN - EN 856



Zu verwenden für Nippel Seite 2.10 - 2.45

P3 - skive

for hose type:

2 ST - DIN - EN 853 + SAE 100 R2A

2 SN - DIN - EN 853 + SAE 100 R2AT

4 SP - DIN - EN 856

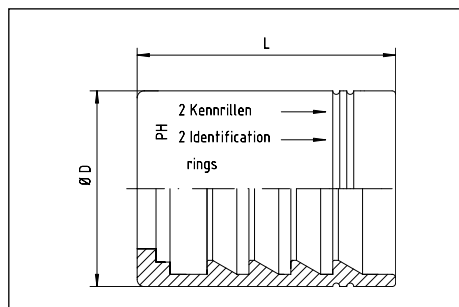


To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	22	34,5	signiert mit Sp4 / marked with Sp4	P3Sp4-DN 06
06	1/4"	22	34,5	nicht für Sp4 / not for Sp4	P3-DN 06
08	5/16"	24	34,5		P3-DN 08
10	3/8"	26	35,0		P3-DN 10
12	1/2"	30	37,0		P3-DN 12
16	5/8"	33	40,0		P3-DN 16
19	3/4"	38	45,0		P3-DN 19
25	1"	46	50,0		P3-DN 25
31	1 1/4"	58	70,0		P3-DN 31
38	1 1/2"	64	70,0		P3-DN 38
51	2"	76	80,0	nicht für Sp4 / not for Sp4	P3-DN 51
51	2"	76	80,0	signiert mit Sp4 / marked with Sp4	P3Sp4-DN 51

P2 - nicht schälen
für Schlauchtyp:
2 SN - DIN - EN 853 + SAE 100 R2AT - DN 06 bis DN 25
3 TE - DIN - EN 854 + 3 TB

P2 - non skive
for hose type:
2 SN - DIN - EN 853 + SAE 100 R2AT - DN 06 up to DN 25
3 TE - DIN EN 854 + 3 TB



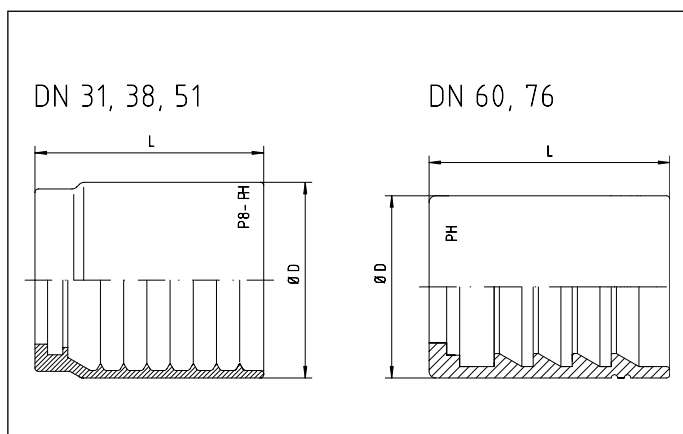
Zu verwenden für Nippel Seite 2.10 - 2.45

To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
06	1/4"	22,0	34,5		P2-DN 06
08	5/16"	24,0	34,5		P2-DN 08
10	3/8"	26,0	35,0		P2-DN 10
12	1/2"	30,0	37,0		P2-DN 12
16	5/8"	33,0	40,0		P2-DN 16
19	3/4"	38,0	45,0		P2-DN 19
25	1"	46,0	50,0		P2-DN 25
31	1 1/4"	55,0	70,0	nicht für (not for) 2 SN	P2-DN 31
38	1 1/2"	60,0	70,0	nicht für (not for) 2 SN	P2-DN 38
51	2"	76,0	80,0	nicht für (not for) 2 SN	P2-DN 51
60	2 3/8"	82,5	72,0	nicht für (not for) 2 SN	P2-DN 60
80		108,0	90,0	nicht für (not for) 2 SN	P2-DN 80

P8 - nicht schälen
für Schlauchtyp:
2 SN - DIN - EN 853

P8 - non skive
for hose type:
2 SN - DIN - EN 853



Zu verwenden für Nippel Seite 2.10 - 2.45

To use for nipples page 2.10 - 2.45

Schlauch Hose DN	DN Bore in.	D	L	Bemerkungen Notes	Bestellzeichen Order-Code
31	1 1/4"	59,0	66,5		P8-DN 31
38	1 1/2"	67,0	67,0		P8-DN 38
51	2"	80,0	75,0		P8-DN 51
60	2 3/8"	82,5	72,0		P8-DN 60
76	3"	103,0	75,0		P8-DN 76

DICHTKEGEL MIT O-RING



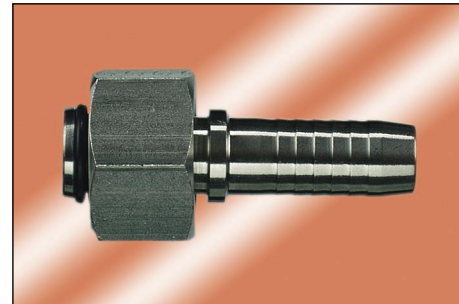
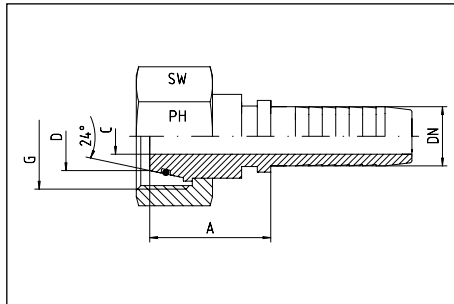
TAPERED NIPPLES WITH O-RING

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1

leichte Reihe = DKOL - gerade

light series = DKOL - straight



O-Ring = NBR
Auf Anfrage: Viton

O-ring = NBR
On request: Viton

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
06	1/4"	M 12 x 1,5	6	21,0	3,7	14	DKOL-06-DN 06
06	1/4"	M 14 x 1,5	8	25,0	4,0	17	DKOL-08-DN 06
08	5/16"	M 14 x 1,5	8	22,0	5,5	17	DKOL-08-DN 08
10	3/8"	M 14 x 1,5	8	29,0	4,5	17	DKOL-08-DN 10
06	1/4"	M 16 x 1,5	10	27,0	4,0	19	DKOL-10-DN 06
08	5/16"	M 16 x 1,5	10	26,0	5,5	19	DKOL-10-DN 08
10	3/8"	M 16 x 1,5	10	26,0	7,0	19	DKOL-10-DN 10
06	1/4"	M 18 x 1,5	12	28,0	4,0	22	DKOL-12-DN 06
08	5/16"	M 18 x 1,5	12	28,0	5,5	22	DKOL-12-DN 08
10	3/8"	M 18 x 1,5	12	26,0	7,0	22	DKOL-12-DN 10
12	1/2"	M 18 x 1,5	12	26,0	8,0	22	DKOL-12-DN 12
06	1/4"	M 22 x 1,5	15		4,0	27	DKOL-15-DN 06
08	5/16"	M 22 x 1,5	15		5,5	27	DKOL-15-DN 08
10	3/8"	M 22 x 1,5	15	26,0	7,0	27	DKOL-15-DN 10
12	1/2"	M 22 x 1,5	15	27,0	9,5	27	DKOL-15-DN 12
10	3/8"	M 26 x 1,5	18		7,0	32	DKOL-18-DN 10
12	1/2"	M 26 x 1,5	18	28,0	9,5	32	DKOL-18-DN 12
16	5/8"	M 26 x 1,5	18	29,5	12,5	32	DKOL-18-DN 16
19	3/4"	M 26 x 1,5	18	32,0	12,0	32	DKOL-18-DN 19
12	1/2"	M 30 x 2	22		9,5	36	DKOL-22-DN 12
16	5/8"	M 30 x 2	22	31,0	12,5	36	DKOL-22-DN 16
19	3/4"	M 30 x 2	22	33,0	14,5	36	DKOL-22-DN 19
16	5/8"	M 36 x 2	28		12,5	41	DKOL-28-DN 16
19	3/4"	M 36 x 2	28	34,5	14,5	41	DKOL-28-DN 19
25	1"	M 36 x 2	28	34,5	20,0	41	DKOL-28-DN 25
25	1"	M 45 x 2	35		20,0	50	DKOL-35-DN 25
31	1 1/4"	M 45 x 2	35	37,0	25,5	50	DKOL-35-DN 31
31	1 1/4"	M 52 x 2	42		25,5	60	DKOL-42-DN 31
38	1 1/2"	M 52 x 2	42	37,0	31,5	60	DKOL-42-DN 38

DICHTKEGEL MIT O-RING



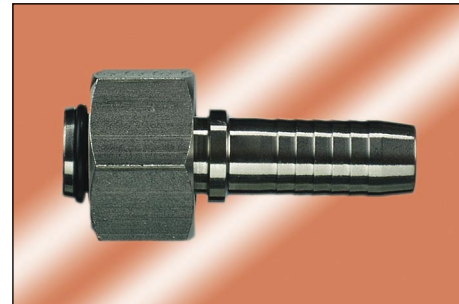
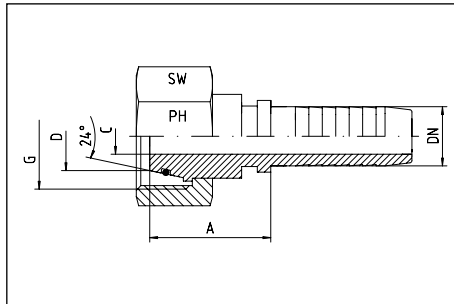
TAPERED NIPPLES WITH O-RING

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1

schwere Reihe = DKOS - gerade

heavy series = DKOS - straight



O-Ring = NBR
Auf Anfrage: Viton

O-ring = NBR
On request: Viton

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
06	1/4"	M 14 x 1,5	6	21,0	3,7	17	DKOS-06-DN 06
06	1/4"	M 16 x 1,5	8	25,0	4,0	19	DKOS-08-DN 06
08	5/16"	M 16 x 1,5	8	22,0	5,5	19	DKOS-08-DN 08
10	3/8"	M 16 x 1,5	8	30,0	4,5	19	DKOS-08-DN 10
06	1/4"	M 18 x 1,5	10	27,0	4,0	22	DKOS-10-DN 06
08	5/16"	M 18 x 1,5	10	26,0	5,5	22	DKOS-10-DN 08
10	3/8"	M 18 x 1,5	10	26,0	7,0	22	DKOS-10-DN 10
06	1/4"	M 20 x 1,5	12	28,0	4,0	24	DKOS-12-DN 06
08	5/16"	M 20 x 1,5	12	28,0	5,5	24	DKOS-12-DN 08
10	3/8"	M 20 x 1,5	12	26,0	7,0	24	DKOS-12-DN 10
12	1/2"	M 20 x 1,5	12	26,0	8,0	24	DKOS-12-DN 12
08	5/16"	M 22 x 1,5	14		5,5	27	DKOS-14-DN 08
10	3/8"	M 22 x 1,5	14	27,0	7,0	27	DKOS-14-DN 10
06	1/4"	M 24 x 1,5	16	31,5	4,0	30	DKOS-16-DN 06
08	5/16"	M 24 x 1,5	16	31,5	5,5	30	DKOS-16-DN 08
10	3/8"	M 24 x 1,5	16	31,5	7,0	30	DKOS-16-DN 10
12	1/2"	M 24 x 1,5	16	31,5	9,5	30	DKOS-16-DN 12
16	5/8"	M 24 x 1,5	16	31,5	11,0	30	DKOS-16-DN 16
10	3/8"	M 30 x 2	20	37,0	7,0	36	DKOS-20-DN 10
12	1/2"	M 30 x 2	20	36,5	9,5	36	DKOS-20-DN 12
16	5/8"	M 30 x 2	20	37,5	12,5	36	DKOS-20-DN 16
19	3/4"	M 30 x 2	20	33,5	14,5	36	DKOS-20-DN 19
12	1/2"	M 36 x 2	25		9,5	46	DKOS-25-DN 12
16	5/8"	M 36 x 2	25	40,5	12,5	46	DKOS-25-DN 16
19	3/4"	M 36 x 2	25	41,0	14,5	46	DKOS-25-DN 19
25	1"	M 36 x 2	25	39,5	20,0	46	DKOS-25-DN 25
19	3/4"	M 42 x 2	30	44,0	14,5	50	DKOS-30-DN 19
25	1"	M 42 x 2	30	44,5	20,0	50	DKOS-30-DN 25
25	1"	M 52 x 2	38	50,5	20,0	60	DKOS-38-DN 25
31	1 1/4"	M 52 x 2	38	49,0	25,5	60	DKOS-38-DN 31
38	1 1/2"	M 68 x 2	50	49,0	31,5	80	DKOS-50-DN 38

DICHTKEGEL MIT O-RING



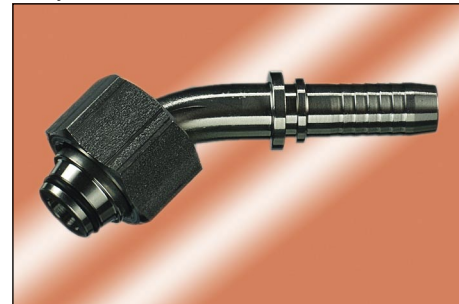
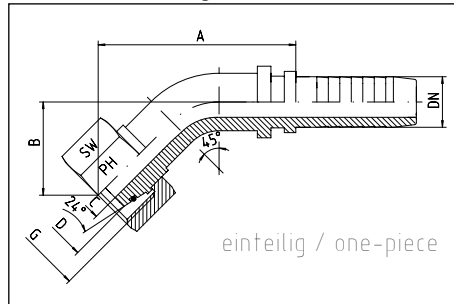
TAPERED NIPPLES WITH O-RING

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1

leichte Reihe = DKOL - 45°-Bogen
schwere Reihe = DKOS - 45°-Bogen

light series = DKOL - 45°-elbow
heavy series = DKOS - 45°-elbow



O-Ring = NBR
Auf Anfrage: Viton

O-ring = NBR
On request: Viton

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			SW	Bestellzeichen Order-Code
				A	B	C		
06	1/4"	M 12 x 1,5	6	37,0	15,0	4,0	14	DKOL-06-45°-DN 06
06	1/4"	M 14 x 1,5	8	38,5	16,5	4,0	17	DKOL-08-45°-DN 06
08	5/16"	M 14 x 1,5	8				17	DKOL-08-45°-DN 08
06	1/4"	M 16 x 1,5	10	38,5	16,5	4,0	19	DKOL-10-45°-DN 06
08	5/16"	M 16 x 1,5	10	44,5	19,0	5,5	19	DKOL-10-45°-DN 08
10	3/8"	M 16 x 1,5	10	45,5	20,0	7,0	19	DKOL-10-45°-DN 10
06	1/4"	M 18 x 1,5	12	42,0	19,5	4,0	22	DKOL-12-45°-DN 06
08	5/16"	M 18 x 1,5	12	44,5	19,0	5,5	22	DKOL-12-45°-DN 08
10	3/8"	M 18 x 1,5	12	43,5	18,5	7,0	22	DKOL-12-45°-DN 10
12	1/2"	M 18 x 1,5	12	62,5	27,5	8,5	22	DKOL-12-45°-DN 12
10	3/8"	M 22 x 1,5	15	53,5	21,5	7,0	27	DKOL-15-45°-DN 10
12	1/2"	M 22 x 1,5	15	54,5	20,5	9,5	27	DKOL-15-45°-DN 12
12	1/2"	M 26 x 1,5	18	60,5	23,5	9,0	32	DKOL-18-45°-DN 12
16	5/8"	M 26 x 1,5	18	65,0	26,5	12,5	32	DKOL-18-45°-DN 16
16	5/8"	M 30 x 2	22				36	DKOL-22-45°-DN 16
19	3/4"	M 30 x 2	22	76,0	28,0	14,5	36	DKOL-22-45°-DN 19
19	3/4"	M 36 x 2	28				41	DKOL-28-45°-DN 19
25	1"	M 36 x 2	28	93,0	36,5	20,0	41	DKOL-28-45°-DN 25
31	1 1/4"	M 45 x 2	35	100,0	44,0	25,0	50	DKOL-35-45°-DN 31
38	1 1/2"	M 52 x 2	42	111,0	48,0	31,0	60	DKOL-42-45°-DN 38
06	1/4"	M 14 x 1,5	6	37,0	15,0	4,0	17	DKOS-06-45°-DN 06
06	1/4"	M 16 x 1,5	8	38,5	16,5	4,0	19	DKOS-08-45°-DN 06
08	5/16"	M 16 x 1,5	8				19	DKOS-08-45°-DN 08
06	1/4"	M 18 x 1,5	10	38,5	16,5	4,0	22	DKOS-10-45°-DN 06
08	5/16"	M 18 x 1,5	10	44,5	19,0	5,5	22	DKOS-10-45°-DN 08
10	3/8"	M 18 x 1,5	10	45,5	20,0	7,0	22	DKOS-10-45°-DN 10
06	1/4"	M 20 x 1,5	12	42,0	19,5	4,0	24	DKOS-12-45°-DN 06
08	5/16"	M 20 x 1,5	12	44,5	19,0	5,5	24	DKOS-12-45°-DN 08
10	3/8"	M 20 x 1,5	12	43,5	18,5	7,0	24	DKOS-12-45°-DN 10
12	1/2"	M 20 x 1,5	12	62,5	27,5	8,5	24	DKOS-12-45°-DN 12
10	3/8"	M 22 x 1,5	14	54,5	23,5	7,0	27	DKOS-14-45°-DN 10
10	3/8"	M 24 x 1,5	16	55,5	24,0	7,0	30	DKOS-16-45°-DN 10
12	1/2"	M 24 x 1,5	16	57,0	25,0	9,5	30	DKOS-16-45°-DN 12
12	1/2"	M 30 x 2	20	65,0	32,0	9,5	36	DKOS-20-45°-DN 12
16	5/8"	M 30 x 2	20	69,0	28,0	12,5	36	DKOS-20-45°-DN 16
19	3/4"	M 30 x 2	20	71,5	27,0	12,5	36	DKOS-20-45°-DN 19
19	3/4"	M 36 x 2	25	83,0	37,0	14,5	46	DKOS-25-45°-DN 19
25	1"	M 36 x 2	25	98,0	39,0	18,5	46	DKOS-25-45°-DN 25
19	3/4"	M 42 x 2	30				50	DKOS-30-45°-DN 19
25	1"	M 42 x 2	30	98,0	39,5	20,0	50	DKOS-30-45°-DN 25
25	1"	M 52 x 2	38				60	DKOS-38-45°-DN 25
31	1 1/4"	M 52 x 2	38	116,0	47,0	25,0	60	DKOS-38-45°-DN 31
38	1 1/2"	M 68 x 2	50				80	DKOS-50-45°-DN 38

DICHTKEGEL MIT O-RING



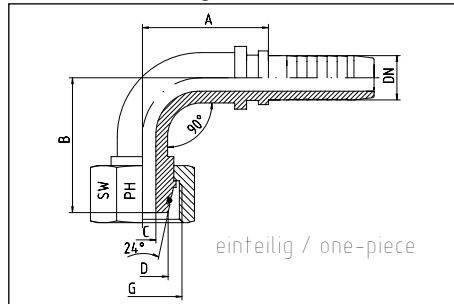
TAPERED NIPPLES WITH O-RING

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1

leichte Reihe = DKOL - 90°-Bogen
schwere Reihe = DKOS - 90°-Bogen

light series = DKOL - 90°-elbow
heavy series = DKOS - 90°-elbow



O-Ring = NBR
Auf Anfrage: Viton

O-ring = NBR
On request: Viton

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			SW	Bestellzeichen Order-Code
				A	B	C		
06	1/4"	M 12 x 1,5	6	28,0	28,5	4,0	14	DKOL-06-90°-DN 06
06	1/4"	M 14 x 1,5	8	28,0	29,5	4,0	17	DKOL-08-90°-DN 06
08	5/16"	M 14 x 1,5	8				17	DKOL-08-90°-DN 08
06	1/4"	M 16 x 1,5	10	28,5	29,5	4,0	19	DKOL-10-90°-DN 06
08	5/16"	M 16 x 1,5	10	31,5	39,0	5,5	19	DKOL-10-90°-DN 08
10	3/8"	M 16 x 1,5	10	35,0	37,5	7,0	19	DKOL-10-90°-DN 10
06	1/4"	M 18 x 1,5	12	29,0	33,5	4,0	22	DKOL-12-90°-DN 06
08	5/16"	M 18 x 1,5	12	34,5	37,0	5,5	22	DKOL-12-90°-DN 08
10	3/8"	M 18 x 1,5	12	34,0	38,0	7,0	22	DKOL-12-90°-DN 10
12	1/2"	M 18 x 1,5	12	45,0	53,0	8,5	22	DKOL-12-90°-DN 12
10	3/8"	M 22 x 1,5	15	42,5	41,5	7,0	27	DKOL-15-90°-DN 10
12	1/2"	M 22 x 1,5	15	44,0	43,0	9,5	27	DKOL-15-90°-DN 12
12	1/2"	M 26 x 1,5	18	53,0	53,5	9,0	32	DKOL-18-90°-DN 12
16	5/8"	M 26 x 1,5	18	56,0	52,0	12,5	32	DKOL-18-90°-DN 16
16	5/8"	M 30 x 2	22				36	DKOL-22-90°-DN 16
19	3/4"	M 30 x 2	22	71,0	58,0	14,5	36	DKOL-22-90°-DN 19
19	3/4"	M 36 x 2	28				41	DKOL-28-90°-DN 19
25	1"	M 36 x 2	28	82,0	72,0	20,0	41	DKOL-28-90°-DN 25
31	1 1/4"	M 45 x 2	35	87,0	85,0	25,0	50	DKOL-35-90°-DN 31
38	1 1/2"	M 52 x 2	42	104,0	103,0	31,0	60	DKOL-42-90°-DN 38
06	1/4"	M 14 x 1,5	6	28,0	28,5	4,0	17	DKOS-06-90°-DN 06
06	1/4"	M 16 x 1,5	8	28,0	29,5	4,0	19	DKOS-08-90°-DN 06
08	5/16"	M 16 x 1,5	8				19	DKOS-08-90°-DN 08
06	1/4"	M 18 x 1,5	10	28,5	29,5	4,0	22	DKOS-10-90°-DN 06
08	5/16"	M 18 x 1,5	10	31,5	39,0	5,5	22	DKOS-10-90°-DN 08
10	3/8"	M 18 x 1,5	10	35,0	37,5	7,0	22	DKOS-10-90°-DN 10
06	1/4"	M 20 x 1,5	12	29,0	33,5	4,0	24	DKOS-12-90°-DN 06
08	5/16"	M 20 x 1,5	12	34,5	37,0	5,5	24	DKOS-12-90°-DN 08
10	3/8"	M 20 x 1,5	12	34,0	38,0	7,0	24	DKOS-12-90°-DN 10
12	1/2"	M 20 x 1,5	12	45,0	53,0	8,5	24	DKOS-12-90°-DN 12
10	3/8"	M 22 x 1,5	14	42,0	42,0	7,0	27	DKOS-14-90°-DN 10
10	3/8"	M 24 x 1,5	16	43,0	42,5	7,0	30	DKOS-16-90°-DN 10
12	1/2"	M 24 x 1,5	16	44,0	45,5	9,5	30	DKOS-16-90°-DN 12
12	1/2"	M 30 x 2	20	46,0	59,0	9,5	36	DKOS-20-90°-DN 12
16	5/8"	M 30 x 2	20	59,0	51,0	12,5	36	DKOS-20-90°-DN 16
19	3/4"	M 30 x 2	20	61,5	54,5	12,5	36	DKOS-20-90°-DN 19
19	3/4"	M 36 x 2	25	72,0	64,0	14,5	46	DKOS-25-90°-DN 19
25	1"	M 36 x 2	25	79,0	79,0	18,5	46	DKOS-25-90°-DN 25
19	3/4"	M 42 x 2	30				50	DKOS-30-90°-DN 19
25	1"	M 42 x 2	30	85,0	84,0	20,0	50	DKOS-30-90°-DN 25
25	1"	M 52 x 2	38				60	DKOS-38-90°-DN 25
31	1 1/4"	M 52 x 2	38	101,0	100,0	25,0	60	DKOS-38-90°-DN 31
38	1 1/2"	M 68 x 2	50				80	DKOS-50-90°-DN 38

UNIVERSAL-DICHTKEGEL



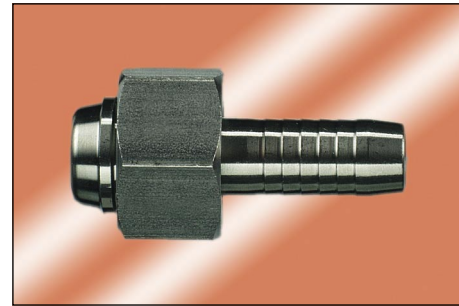
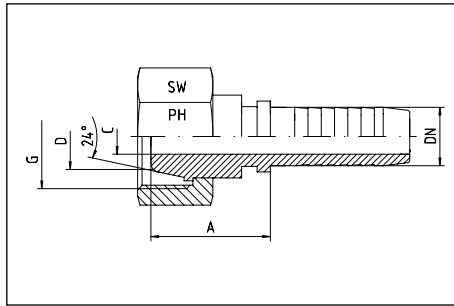
UNIVERSAL TAPERED NIPPLES

leichte Reihe
für Gegenanschluß mit 24°- und 60°-Konus

light series
for connectors with 24°- and 60°-cone

DKL - gerade
DKLL - gerade

DKL - straight
DKLL - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A. D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
06	1/4"	M 12 x 1,5	6	20,0	4,0	14	DKL-M 12x1,5-DN 06
06	1/4"	M 14 x 1,5	8	21,0	4,0	17	DKL-M 14x1,5-DN 06
08	5/16"	M 14 x 1,5	8		5,5	17	DKL-M 14x1,5-DN 08
06	1/4"	M 16 x 1,5	10		4,0	19	DKL-M 16x1,5-DN 06
08	5/16"	M 16 x 1,5	10	22,0	5,5	19	DKL-M 16x1,5-DN 08
10	3/8"	M 16 x 1,5	10		7,0	19	DKL-M 16x1,5-DN 10
06	1/4"	M 18 x 1,5	12		4,0	22	DKL-M 18x1,5-DN 06
08	5/16"	M 18 x 1,5	12		5,5	22	DKL-M 18x1,5-DN 08
10	3/8"	M 18 x 1,5	12	23,0	7,0	22	DKL-M 18x1,5-DN 10
10	3/8"	M 22 x 1,5	15		7,0	27	DKL-M 22x1,5-DN 10
12	1/2"	M 22 x 1,5	15	23,5	9,5	27	DKL-M 22x1,5-DN 12
16	5/8"	M 26 x 1,5	18	25,5	12,5	32	DKL-M 26x1,5-DN 16
19	3/4"	M 30 x 2	22	29,0	14,5	36	DKL-M 30x2-DN 19
25	1"	M 36 x 2	28	31,0	20,0	41	DKL-M 36x2-DN 25
31	1 1/4"	M 45 x 2	35	33,0	25,5	50	DKL-M 45x2-DN 31
38	1 1/2"	M 52 x 2	42	33,0	31,5	60	DKL-M 52x2-DN 38
19	3/4"	M 30 x 1,5*		29,0	14,5	36	DKLL-M 30x1,5-DN 19
25	1"	M 38 x 1,5*		31,0	20,0	46	DKLL-M 38x1,5-DN 25
31	1 1/4"	M 45 x 1,5*		33,0	25,5	55	DKLL-M 45x1,5-DN 31
38	1 1/2"	M 52 x 1,5*		33,0	31,5	60	DKLL-M 52x1,5-DN 38
51	2"	M 65 x 2*		37,5	43,0	70	DKLL-M 65x2-DN 51
60	2 1/2"	M 78 x 2*		32,0	51,0	90	DKLL-M 78x2-DN 60
80	3"	M 100 x 2*		52,5	72,5	110	DKLL-M 100x2-DN 80

* nur für Gegenanschluß mit 60°-Konus

* only for connectors with 60°-flare

UNIVERSAL-DICHTKEGEL



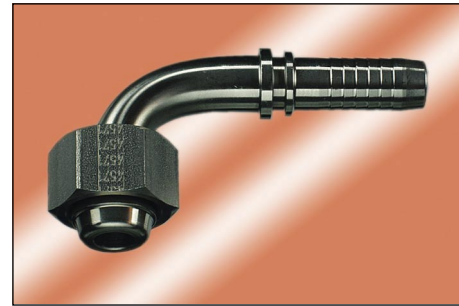
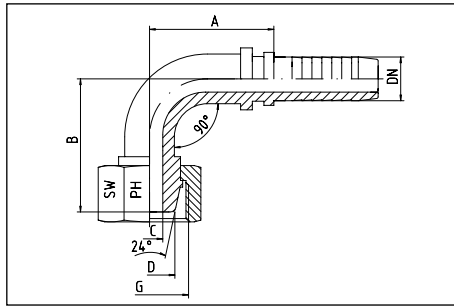
UNIVERSAL TAPERED NIPPLES

leichte Reihe
für Gegenanschluß mit 24°- und 60°-Konus

DKL - 90°-Bogen
DKLL - 90°-Bogen

light series
for connectors with 24°- and 60°-cone

DKL - 90°-elbow
DKLL - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				SW	Bestellzeichen Order-Code
				A	B	C			
06	1/4"	M 12 x 1,5	6	29,0	28,0	4,0	14	DKL-M 12x1,5-90°-DN 06	
06	1/4"	M 14 x 1,5	8	28,5	27,0	4,0	17	DKL-M 14x1,5-90°-DN 06	
08	5/16"	M 14 x 1,5	8				17	DKL-M 14x1,5-90°-DN 08	
06	1/4"	M 16 x 1,5	10				19	DKL-M 16x1,5-90°-DN 06	
08	5/16"	M 16 x 1,5	10	32,5	35,0	5,5	19	DKL-M 16x1,5-90°-DN 08	
10	3/8"	M 16 x 1,5	10				19	DKL-M 16x1,5-90°-DN 10	
08	5/16"	M 18 x 1,5	12				22	DKL-M 18x1,5-90°-DN 08	
10	3/8"	M 18 x 1,5	12	34,5	35,0	7,0	22	DKL-M 18x1,5-90°-DN 10	
10	3/8"	M 22 x 1,5	15				27	DKL-M 22x1,5-90°-DN 10	
12	1/2"	M 22 x 1,5	15	44,0	40,0	9,5	27	DKL-M 22x1,5-90°-DN 12	
16	5/8"	M 26 x 1,5	18	55,0	49,0	12,5	32	DKL-M 26x1,5-90°-DN 16	
19	3/4"	M 30 x 2	22	70,0	53,0	14,5	36	DKL-M 30x2-90°-DN 19	
25	1"	M 36 x 2	28	80,0	67,5	20,0	41	DKL-M 36x2-90°-DN 25	
31	1 1/4"	M 45 x 2	35	87,0	81,0	25,0	50	DKL-M 45x2-90°-DN 31	
38	1 1/2"	M 52 x 2	42	104,0	100,0	31,5	60	DKL-M 52x2-90°-DN 38	
19	3/4"	M 30 x 1,5*		70,0	53,0	14,5	36	DKLL-M 30x1,5-90°-DN 19	
25	1"	M 38 x 1,5*		80,0	67,5	20,0	46	DKLL-M 38x1,5-90°-DN 25	
31	1 1/4"	M 45 x 1,5*		87,0	81,0	25,0	55	DKLL-M 45x1,5-90°-DN 31	
38	1 1/2"	M 52 x 1,5*		104,0	100,0	31,0	60	DKLL-M 52x1,5-90°-DN 38	
51	2"	M 65 x 2*		145,0	127,0	40,0	70	DKLL-M 65x2-90°-DN 51	
60	2 1/2"	M 78 x 2*					90	DKLL-M 78x2-90°-DN 60	
80	3"	M 100 x 2*					110	DKLL-M 100x2-90°-DN 80	

* nur für Gegenanschluß mit 60°-Konus
* only for connectors with 60°-flare

UNIVERSAL-DICHTKEGEL



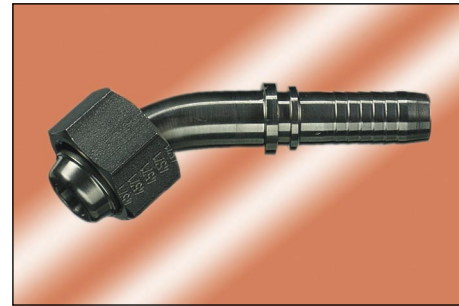
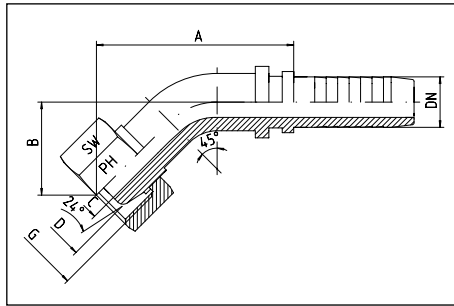
UNIVERSAL TAPERED NIPPLES

leichte Reihe
für Gegenanschluß mit 24°- und 60°-Konus

DKL - 45°-Bogen
DKLL - 45°-Bogen

light series
for connectors with 24°- and 60°-cone

DKL - 45°-elbow
DKLL - 45°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW	
06	1/4"	M 12 x 1,5	6	37,0	14,0	4,0	14	DKL-M 12x1,5-45°-DN 06
06	1/4"	M 14 x 1,5	8	35,0	14,5	4,0	17	DKL-M 14x1,5-45°-DN 06
08	5/16"	M 14 x 1,5	8				17	DKL-M 14x1,5-45°-DN 08
06	1/4"	M 16 x 1,5	10				19	DKL-M 16x1,5-45°-DN 06
08	5/16"	M 16 x 1,5	10	41,0	17,0	5,5	19	DKL-M 16x1,5-45°-DN 08
10	3/8"	M 16 x 1,5	10				19	DKL-M 16x1,5-45°-DN 10
08	5/16"	M 18 x 1,5	12				22	DKL-M 18x1,5-45°-DN 08
10	3/8"	M 18 x 1,5	12	43,5	18,5	7,0	22	DKL-M 18x1,5-45°-DN 10
10	3/8"	M 22 x 1,5	15				27	DKL-M 22x1,5-45°-DN 10
12	1/2"	M 22 x 1,5	15	53,0	19,0	9,5	27	DKL-M 22x1,5-45°-DN 12
16	5/8"	M 26 x 1,5	18	59,0	23,0	12,5	32	DKL-M 26x1,5-45°-DN 16
19	3/4"	M 30 x 2	22	75,0	25,0	14,5	36	DKL-M 30x2-45°-DN 19
25	1"	M 36 x 2	28	90,0	32,0	20,0	41	DKL-M 36x2-45°-DN 25
31	1 1/4"	M 45 x 2	35	100,0	36,5	25,0	50	DKL-M 45x2-45°-DN 31
38	1 1/2"	M 52 x 2	42	111,0	43,5	31,0	60	DKL-M 52x2-45°-DN 38
19	3/4"	M 30 x 1,5*		75,0	25,0	14,5	36	DKLL-M 30x1,5-45°-DN 19
25	1"	M 38 x 1,5*		90,0	32,0	20,0	46	DKLL-M 38x1,5-45°-DN 25
31	1 1/4"	M 45 x 1,5*		100,0	36,5	25,0	55	DKLL-M 45x1,5-45°-DN 31
38	1 1/2"	M 52 x 1,5*		111,0	43,5	31,0	60	DKLL-M 52x1,5-45°-DN 38
51	2"	M 65 x 2*		147,0	52,5	40,0	70	DKLL-M 65x2-45°-DN 51
60	2 1/2"	M 78 x 2*					90	DKLL-M 78x2-45°-DN 60
80	3"	M 100 x 2*					110	DKLL-M 100x2-45°-DN 80

* nur für Gegenanschluß mit 60°-Konus

* only for connectors with 60°-flare

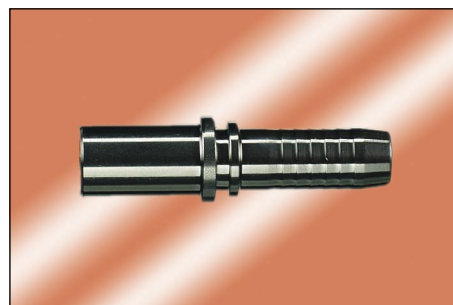
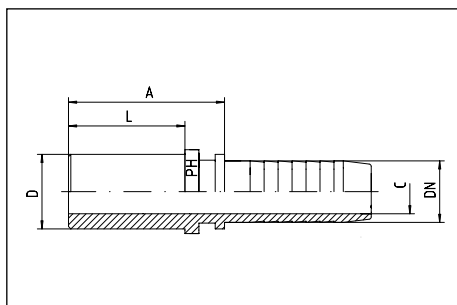
ROHRSTUTZEN



PIPE CONNECTORS

leichte Reihe = BEL - gerade
 schwere Reihe = BES - gerade

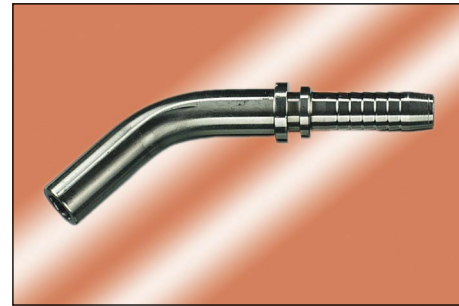
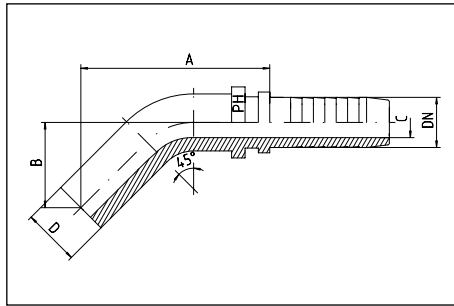
light series = BEL - straight
 heavy series = BES - straight



Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	L	
06	1/4"	6	28,5	4,0	20,0	BEL 06-DN 06
06	1/4"	8	31,0	4,0	22,0	BEL 08-DN 06
08	5/16"	8	31,0	5,0	23,0	BEL 08-DN 08
08	5/16"	10	31,5	5,5	23,0	BEL 10-DN 08
10	3/8"	10	34,0	7,0	25,0	BEL 10-DN 10
10	3/8"	12	34,0	7,0	25,0	BEL 12-DN 10
12	1/2"	12	34,0	9,0	25,0	BEL 12-DN 12
10	3/8"	15	36,5	7,0	28,0	BEL 15-DN 10
12	1/2"	15	33,0	9,5	25,0	BEL 15-DN 12
12	1/2"	18	32,0	9,5	27,0	BEL 18-DN 12
16	5/8"	18	35,5	12,5	27,0	BEL 18-DN 16
16	5/8"	22	36,5	12,5	27,0	BEL 22-DN 16
19	3/4"	22	38,0	14,5	27,0	BEL 22-DN 19
25	1"	28	41,5	20,0	30,0	BEL 28-DN 25
31	1 1/4"	35	47,0	25,5	36,0	BEL 35-DN 31
38	1 1/2"	42	47,0	31,5	36,0	BEL 42-DN 38
06	1/4"	6	28,5	4,0	20,0	BES 06-DN 06
06	1/4"	8	31,0	4,0	22,0	BES 08-DN 06
08	5/16"	8	31,0	5,0	23,0	BES 08-DN 08
06	1/4"	10	33,5	4,0	24,0	BES 10-DN 06
08	5/16"	10	31,5	5,5	23,0	BES 10-DN 08
10	3/8"	10	34,0	7,0	25,0	BES 10-DN 10
06	1/4"	12	35,5	4,0	26,0	BES 12-DN 06
08	5/16"	12	35,5	5,5	26,0	BES 12-DN 08
10	3/8"	12	34,0	7,0	25,0	BES 12-DN 10
12	1/2"	12	34,0	9,0	25,0	BES 12-DN 12
10	3/8"	14	35,5	7,0	28,0	BES 14-DN 10
12	1/2"	16	38,5	9,5	30,0	BES 16-DN 12
12	1/2"	20	42,0	9,5	36,0	BES 20-DN 12
16	5/8"	20	45,0	12,5	36,0	BES 20-DN 16
19	3/4"	20	43,0	14,5	31,0	BES 20-DN 19
19	3/4"	25	51,0	14,5	40,0	BES 25-DN 19
25	1"	25	46,0	18,0	34,5	BES 25-DN 25
25	1"	30	56,0	20,0	44,0	BES 30-DN 25
31	1 1/4"	38	62,0	25,5	50,0	BES 38-DN 31
06	1/4"	1/4" = 6,35 mm	31,0	4,0	22,0	BE 1/4"-DN 06
08	5/16"	5/16" = 7,94 mm	31,5	5,5	23,0	BE 5/16"-DN 08
10	3/8"	3/8" = 9,52 mm	34,0	7,0	25,0	BE 3/8"-DN 10
12	1/2"	1/2" = 12,70 mm	38,5	9,5	30,0	BE 1/2"-DN 12
16	5/8"	5/8" = 15,88 mm	45,0	12,5	36,0	BE 5/8"-DN 16
19	3/4"	3/4" = 19,05 mm	51,0	14,5	40,0	BE 3/4"-DN 19
25	1"	1" = 25,40 mm	56,0	20,0	44,0	BE 1"-DN 25
31	1 1/4"	1 1/4" = 31,75 mm	62,0	25,5	50,0	BE 1 1/4"-DN 31
38	1 1/2"	1 1/2" = 38,10 mm	62,0	31,5	50,0	BE 1 1/2"-DN 38

leichte Reihe = BEL - 45°-Bogen
 schwere Reihe = BES - 45°-Bogen

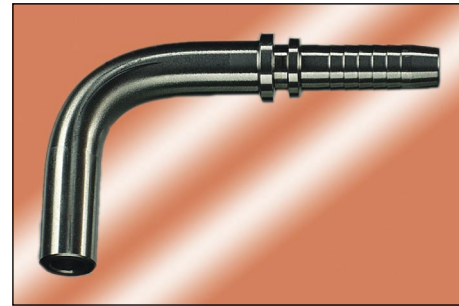
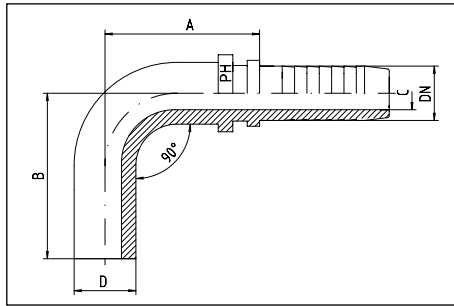
light series = BEL - 45°-elbow
 heavy series = BES - 45°-elbow



Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	B	C	
06	1/4"	6	50,0	22,0	4,0	BEL 06-45°-DN 06
06	1/4"	8	60,0	22,0	4,0	BEL 08-45°-DN 06
06	1/4"	10	65,0	22,5	4,0	BEL 10-45°-DN 06
08	5/16"	10	64,5	25,0	5,5	BEL 10-45°-DN 08
10	3/8"	10	64,0	24,5	7,0	BEL 10-45°-DN 10
08	5/16"	12	59,0	24,0	5,5	BEL 12-45°-DN 08
10	3/8"	12	59,0	24,5	7,0	BEL 12-45°-DN 10
12	1/2"	15	69,0	27,5	9,5	BEL 15-45°-DN 12
16	5/8"	18	73,0	34,0	12,5	BEL 18-45°-DN 16
19	3/4"	22	92,0	41,5	14,5	BEL 22-45°-DN 19
25	1"	28	108,0	47,0	20,0	BEL 28-45°-DN 25
31	1 1/4"	35	144,0	68,0	25,5	BEL 35-45°-DN 31
38	1 1/2"	42			31,5	BEL 42-45°-DN 38
06	1/4"	6	50,0	22,0	4,0	BES 06-45°-DN 06
06	1/4"	8	60,0	22,0	4,0	BES 08-45°-DN 06
06	1/4"	10	65,0	22,5	4,0	BES 10-45°-DN 06
08	5/16"	10	64,5	25,0	5,5	BES 10-45°-DN 08
10	3/8"	10	64,5	25,0	7,0	BES 10-45°-DN 10
08	5/16"	12	59,0	24,0	5,5	BES 12-45°-DN 08
10	3/8"	12	48,0	45,0	7,0	BES 12-45°-DN 10
10	3/8"	14			7,0	BES 14-45°-DN 10
12	1/2"	16	78,0	32,0	9,5	BES 16-45°-DN 12
16	5/8"	20	71,5	31,0	12,5	BES 20-45°-DN 16
19	3/4"	25	96,0	42,0	14,5	BES 25-45°-DN 19
25	1"	30			20,0	BES 30-45°-DN 25
31	1 1/4"	38			25,5	BES 38-45°-DN 31

leichte Reihe = BEL - 90°-Bogen
 schwere Reihe = BES - 90°-Bogen

light series = BEL - 90°-elbow
 heavy series = BES - 90°-elbow



Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	B	C	
06	1/4"	6	32,5	32,5	4,0	BEL 06-90°-DN 06
06	1/4"	8	38,5	37,0	4,0	BEL 08-90°-DN 06
06	1/4"	10	43,0	40,0	4,0	BEL 10-90°-DN 06
08	5/16"	10	41,0	41,5	5,5	BEL 10-90°-DN 08
10	3/8"	10	41,0	41,5	7,0	BEL 10-90°-DN 10
08	5/16"	12	48,0	45,0	5,5	BEL 12-90°-DN 08
10	3/8"	12	48,0	45,0	7,0	BEL 12-90°-DN 10
12	1/2"	15	53,0	49,0	9,5	BEL 15-90°-DN 12
16	5/8"	18	59,0	65,0	12,5	BEL 18-90°-DN 16
19	3/4"	22	75,0	75,5	14,5	BEL 22-90°-DN 19
25	1"	28	85,0	98,0	20,0	BEL 28-90°-DN 25
31	1 1/4"	35	112,0	127,0	25,5	BEL 35-90°-DN 31
38	1 1/2"	42			31,5	BEL 42-90°-DN 38
06	1/4"	6	32,5	32,5	4,0	BES 06-90°-DN 06
06	1/4"	8	38,5	38,5	4,0	BES 08-90°-DN 06
06	1/4"	10	43,0	40,0	4,0	BES 10-90°-DN 06
08	5/16"	10	41,0	41,5	5,5	BES 10-90°-DN 08
10	3/8"	10	41,0	41,5	7,0	BES 10-90°-DN 10
08	5/16"	12	48,0	45,0	5,5	BES 12-90°-DN 08
10	3/8"	12	48,0	45,0	7,0	BES 12-90°-DN 10
10	3/8"	14			7,0	BES 14-90°-DN 10
12	1/2"	16	60,5	58,5	9,5	BES 16-90°-DN 12
16	5/8"	20	73,0	66,0	12,5	BES 20-90°-DN 16
19	3/4"	25	79,0	84,0	14,5	BES 25-90°-DN 19
25	1"	30			20,0	BES 30-90°-DN 25
31	1 1/4"	38			25,5	BES 38-90°-DN 31

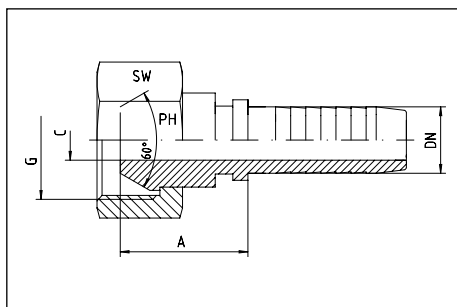
DICHTKEGEL



TAPERED NIPPLES

mit BSP Überwurfmutter
für Gegenanschluß mit 60°-Konus

DKR - gerade



with BSP union nut
for connectors with 60°-flare

DKR - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/8"-28	15,5	4,0	14	DKR 1/8"-DN 06
06	1/4"	1/4"-19	21,0	4,0	17	DKR 1/4"-DN 06
08	5/16"	1/4"-19	20,0	5,0	19	DKR 1/4"-DN 08
10	3/8"	1/4"-19	20,0	5,0	19	DKR 1/4"-DN 10
06	1/4"	3/8"-19	20,0	4,0	19	DKR 3/8"-DN 06
08	5/16"	3/8"-19	22,0	5,5	19	DKR 3/8"-DN 08
10	3/8"	3/8"-19	20,5	7,0	19	DKR 3/8"-DN 10
12	1/2"	3/8"-19	24,0	9,5	19	DKR 3/8"-DN 12
06	1/4"	1/2"-14	24,0	4,0	27	DKR 1/2"-DN 06
08	5/16"	1/2"-14	21,5	5,5	27	DKR 1/2"-DN 08
10	3/8"	1/2"-14	21,5	7,0	27	DKR 1/2"-DN 10
12	1/2"	1/2"-14	23,5	9,5	27	DKR 1/2"-DN 12
16	5/8"	1/2"-14	21,0	11,5	27	DKR 1/2"-DN 16
19	3/4"	1/2"-14	23,0	11,5	27	DKR 1/2"-DN 19
12	1/2"	5/8"-14	23,0	9,5	27	DKR 5/8"-DN 12
16	5/8"	5/8"-14	22,0	12,5	27	DKR 5/8"-DN 16
12	1/2"	3/4"-14	24,0	9,5	32	DKR 3/4"-DN 12
16	5/8"	3/4"-14	25,0	12,5	32	DKR 3/4"-DN 16
19	3/4"	3/4"-14	28,5	14,5	32	DKR 3/4"-DN 19
25	1"	3/4"-14			32	DKR 3/4"-DN 25
19	3/4"	1"-11	27,0	14,5	41	DKR 1"-DN 19
25	1"	1"-11	28,5	20,0	41	DKR 1"-DN 25
19	3/4"	1 1/4"-11		14,5	50	DKR 1 1/4"-DN 19
25	1"	1 1/4"-11	32,5	20,0	50	DKR 1 1/4"-DN 25
31	1 1/4"	1 1/4"-11	31,0	25,5	50	DKR 1 1/4"-DN 31
31	1 1/4"	1 1/2"-11	46,0	25,5	55	DKR 1 1/2"-DN 31
38	1 1/2"	1 1/2"-11	46,0	31,5	55	DKR 1 1/2"-DN 38
38	1 1/2"	2"-11			70	DKR 2"-DN 38
51	2"	2"-11	35,5	43,0	70	DKR 2"-DN 51
60	2 1/2"	2 1/2"-11				DKR 2 1/2"-DN 60

DICHTKEGEL



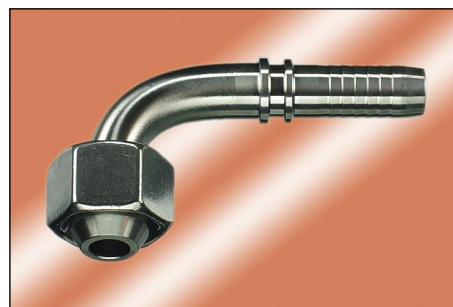
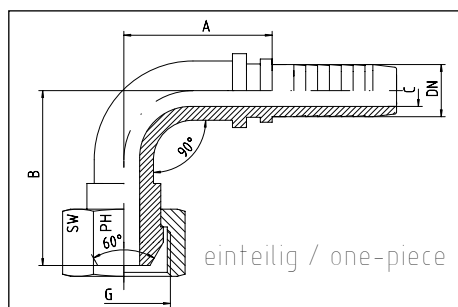
TAPERED NIPPLES

mit BSP Überwurfmutter
für Gegenanschluß mit 60°-Konus

DKR - 90°-Bogen

with BSP union nut
for connectors with 60°-flare

DKR - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	1/8"-28	28,5	30,0	4,0	14	DKR 1/8"-90°-DN 06
06	1/4"	1/4"-19	28,5	28,0	4,0	17	DKR 1/4"-90°-DN 06
10	3/8"	1/4"-19	34,0	39,0	6,0	19	DKR 1/4"-90°-DN 10
06	1/4"	3/8"-19	29,0	26,0	4,0	19	DKR 3/8"-90°-DN 06
08	5/16"	3/8"-19	33,0	34,0	5,5	19	DKR 3/8"-90°-DN 08
10	3/8"	3/8"-19	33,0	34,0	7,0	19	DKR 3/8"-90°-DN 10
12	1/2"	3/8"-19	44,0	47,5	9,5	22	DKR 3/8"-90°-DN 12
10	3/8"	1/2"-14	44,0	42,5	7,0	27	DKR 1/2"-90°-DN 10
12	1/2"	1/2"-14	44,0	42,5	9,5	27	DKR 1/2"-90°-DN 12
16	5/8"	1/2"-14				27	DKR 1/2"-90°-DN 16
12	1/2"	5/8"-14				27	DKR 5/8"-90°-DN 12
16	5/8"	5/8"-14	55,0	54,0	12,5	27	DKR 5/8"-90°-DN 16
12	1/2"	3/4"-14	47,5	43,0	9,5	32	DKR 3/4"-90°-DN 12
16	5/8"	3/4"-14	55,0	54,0	12,5	32	DKR 3/4"-90°-DN 16
19	3/4"	3/4"-14	69,0	54,0	14,5	32	DKR 3/4"-90°-DN 19
19	3/4"	1"-11	78,0	69,0	14,5	41	DKR 1"-90°-DN 19
25	1"	1"-11	78,0	69,0	20,0	41	DKR 1"-90°-DN 25
25	1"	1 1/4"-11	82,0	81,0	20,0	50	DKR 1 1/4"-90°-DN 25
31	1 1/4"	1 1/4"-11	87,0	81,0	25,0	50	DKR 1 1/4"-90°-DN 31
31	1 1/4"	1 1/2"-11	125,0	103,0	25,0	55	DKR 1 1/2"-90°-DN 31
38	1 1/2"	1 1/2"-11	104,0	102,0	31,0	55	DKR 1 1/2"-90°-DN 38
38	1 1/2"	2"-11				70	DKR 2"-90°-DN 38
51	2"	2"-11	142,0	133,0	40,0	70	DKR 2"-90°-DN 51

DICHTKEGEL



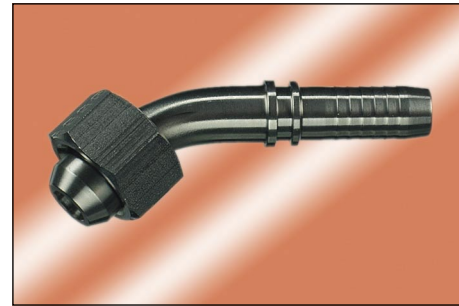
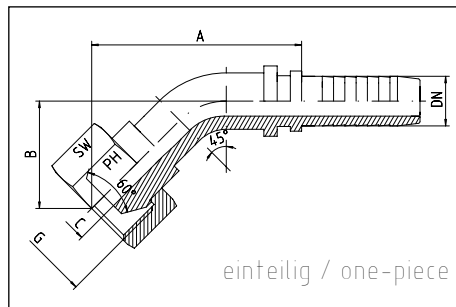
TAPERED NIPPLES

mit BSP Überwurfmutter
für Gegenanschluß mit 60°-Konus

DKR - 45°-Bogen

with BSP union nut
for connectors with 60°-flare

DKR - 45°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße aprox. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	1/8"-28	39,0	16,0	4,0	14	DKR 1/8"-45°-DN 06
06	1/4"	1/4"-19	36,5	14,5	4,0	17	DKR 1/4"-45°-DN 06
10	3/8"	1/4"-19	44,0	22,5	6,0	19	DKR 1/4"-45°-DN 10
06	1/4"	3/8"-19	34,0	16,0	4,0	19	DKR 3/8"-45°-DN 06
08	5/16"	3/8"-19	40,0	15,0	5,5	19	DKR 3/8"-45°-DN 08
10	3/8"	3/8"-19	40,0	15,0	7,0	19	DKR 3/8"-45°-DN 10
12	1/2"	3/8"-19	58,5	25,5	9,5	22	DKR 3/8"-45°-DN 12
10	3/8"	1/2"-14	54,0	20,5	7,0	27	DKR 1/2"-45°-DN 10
12	1/2"	1/2"-14	54,0	20,5	9,5	27	DKR 1/2"-45°-DN 12
16	5/8"	1/2"-14				27	DKR 1/2"-45°-DN 16
12	1/2"	5/8"-14				27	DKR 5/8"-45°-DN 12
16	5/8"	5/8"-14	68,0	28,0	12,5	27	DKR 5/8"-45°-DN 16
12	1/2"	3/4"-14	60,0	23,0	9,0	32	DKR 3/4"-45°-DN 12
16	5/8"	3/4"-14	62,5	28,0	12,5	32	DKR 3/4"-45°-DN 16
19	3/4"	3/4"-14	77,0	30,0	14,5	32	DKR 3/4"-45°-DN 19
19	3/4"	1"-11	77,0	26,0	14,5	41	DKR 1"-45°-DN 19
25	1"	1"-11	95,0	39,5	20,0	41	DKR 1"-45°-DN 25
25	1"	1 1/4"-11	94,0	40,0	20,0	50	DKR 1 1/4"-45°-DN 25
31	1 1/4"	1 1/4"-11	100,0	40,0	25,0	50	DKR 1 1/4"-45°-DN 31
31	1 1/4"	1 1/2"-11	145,0	53,0	25,0	55	DKR 1 1/2"-45°-DN 31
38	1 1/2"	1 1/2"-11	115,0	55,0	31,0	55	DKR 1 1/2"-45°-DN 38
38	1 1/2"	2"-11				70	DKR 2"-45°-DN 38
51	2"	2"-11	149,0	57,0	40,0	70	DKR 2"-45°-DN 51

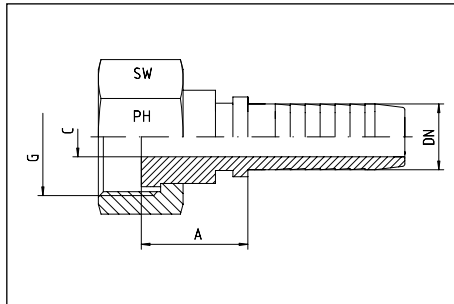
NIPPEL - FLACHDICHTEND



NIPPLES - FLATSEAL

mit BSP Überwurfmutter

DRF - gerade



with BSP union nut

DRF - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/8"-28	13,5	4,0	14	DRF 1/8"-DN 06
06	1/4"	1/4"-19	16,5	4,0	17	DRF 1/4"-DN 06
10	3/8"	1/4"-19	17,0	4,0	19	DRF 1/4"-DN 10
06	1/4"	3/8"-19	17,0	4,0	19	DRF 3/8"-DN 06
08	5/16"	3/8"-19	17,5	5,5	19	DRF 3/8"-DN 08
10	3/8"	3/8"-19	17,5	7,0	19	DRF 3/8"-DN 10
12	1/2"	3/8"-19	20,5	8,0	19	DRF 3/8"-DN 12
06	1/4"	1/2"-14	20,5	4,0	27	DRF 1/2"-DN 06
08	5/16"	1/2"-14	16,5	5,5	27	DRF 1/2"-DN 08
10	3/8"	1/2"-14	16,5	7,0	27	DRF 1/2"-DN 10
12	1/2"	1/2"-14	19,5	9,5	27	DRF 1/2"-DN 12
12	1/2"	5/8"-14	20,0	9,5	27	DRF 5/8"-DN 12
16	5/8"	5/8"-14	19,0	12,5	27	DRF 5/8"-DN 16
12	1/2"	3/4"-14	19,5	9,5	32	DRF 3/4"-DN 12
16	5/8"	3/4"-14	20,0	12,5	32	DRF 3/4"-DN 16
19	3/4"	3/4"-14	23,5	14,5	32	DRF 3/4"-DN 19
19	3/4"	1"-11	22,0	14,5	41	DRF 1"-DN 19
25	1"	1"-11	24,5	20,0	41	DRF 1"-DN 25
19	3/4"	1 1/4"-11		14,5	50	DRF 1 1/4"-DN 19
25	1"	1 1/4"-11	26,0	20,0	50	DRF 1 1/4"-DN 25
31	1 1/4"	1 1/4"-11	23,5	25,5	50	DRF 1 1/4"-DN 31
31	1 1/4"	1 1/2"-11	41,0	25,5	55	DRF 1 1/2"-DN 31
38	1 1/2"	1 1/2"-11	41,0	31,5	55	DRF 1 1/2"-DN 38
51	2"	2"-11	28,0	43,0	70	DRF 2"-DN 51
60	2 1/2"	2 1/2"-11				DRF 2 1/2"-DN 60

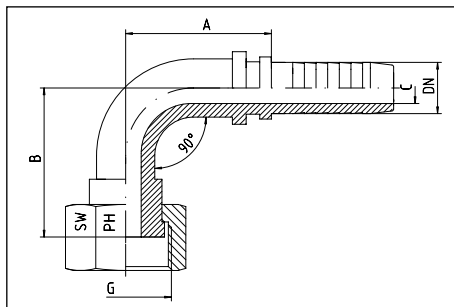
NIPPEL - FLACHDICHTEND



NIPPLES - FLATSEAL

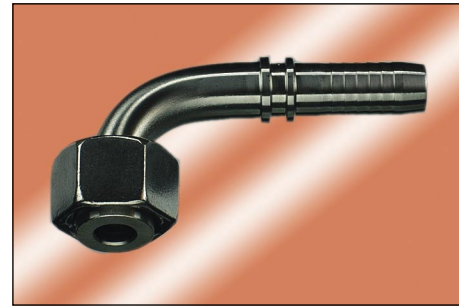
mit BSP Überwurfmutter

DRF - 90°-Bogen



with BSP union nut

DRF - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	1/8"-28	31,0	17,0	4,0	14	DRF 1/8"-90°-DN 06
06	1/4"	1/4"-19	28,5	25,0	4,0	17	DRF 1/4"-90°-DN 06
08	5/16"	3/8"-19	33,0	30,0	5,5	19	DRF 3/8"-90°-DN 08
10	3/8"	3/8"-19	33,0	30,0	7,0	19	DRF 3/8"-90°-DN 10
10	3/8"	1/2"-14	41,5	36,0	7,0	27	DRF 1/2"-90°-DN 10
12	1/2"	1/2"-14	44,0	36,5	9,5	27	DRF 1/2"-90°-DN 12
16	5/8"	5/8"-14	54,5	50,0	12,0	27	DRF 5/8"-90°-DN 16
12	1/2"	3/4"-14	55,0	47,0	9,5	32	DRF 3/4"-90°-DN 12
12	5/8"	1/2"-14	54,0	20,5	9,5	27	DRF 3/4"-90°-DN 16
19	3/4"	3/4"-11	78,0	50,0	14,5	41	DRF 3/4"-90°-DN 19
19	3/4"	1"-11	71,0	51,0	14,5	41	DRF 1"-90°-DN 19
25	1"	1"-11	78,0	64,5	20,0	41	DRF 1"-90°-DN 25
25	1"	1 1/4"-11	82,0	76,0	20,0	50	DRF 1 1/4"-90°-DN 25
31	1 1/4"	1 1/4"-11	87,0	74,5	25,0	50	DRF 1 1/4"-90°-DN 31
31	1 1/4"	1 1/2"-11	125,0	98,0	25,0	55	DRF 1 1/2"-90°-DN 31
38	1 1/2"	1 1/2"-11	104,0	95,0	31,0	55	DRF 1 1/2"-90°-DN 38
51	2"	2"-11	142,0	119,0	42,0	70	DRF 2"-90°-DN 51

45° auf Anfrage
45° on request

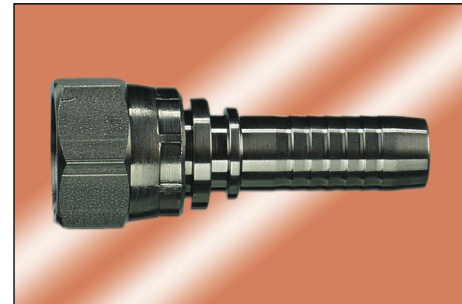
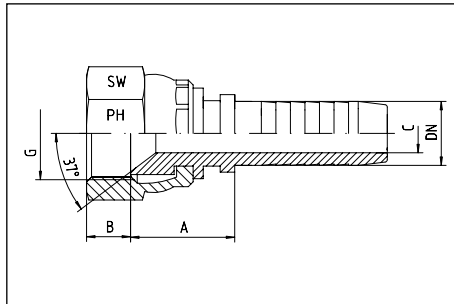
JIC - 37° - NIPPEL



JIC - 37° - FEMALE NIPPLES

mit Überwurfmutter

with nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions				SW	Bestellzeichen Order-Code
			A	B	C			
06	1/4"	7/16"-20	16,2	7,5	4,0	17	DKJ 7/16"- DN 06	
06	1/4"	1/2"-20	16,0	9,5	4,0	17	DKJ 1/2"- DN 06	
08	5/16"	1/2"-20	19,0	8,5	5,5	17	DKJ 1/2"- DN 08	
06	1/4"	9/16"-18	18,5	8,5	4,0	19	DKJ 9/16"- DN 06	
08	5/16"	9/16"-18	16,5	10,0	5,5	19	DKJ 9/16"- DN 08	
10	3/8"	9/16"-18	19,0	8,5	7,0	19	DKJ 9/16"- DN 10	
12	1/2"	9/16"-18	18,0	8,5	7,5	19	DKJ 9/16"- DN 12	
06	1/4"	3/4"-16				24	DKJ 3/4"- DN 06	
08	5/16"	3/4"-16				24	DKJ 3/4"- DN 08	
10	3/8"	3/4"-16	19,0	10,0	7,0	24	DKJ 3/4"- DN 10	
12	1/2"	3/4"-16	20,0	10,0	9,5	24	DKJ 3/4"- DN 12	
16	5/8"	3/4"-16	20,0	11,5	9,5	24	DKJ 3/4"- DN 16	
19	3/4"	3/4"-16	23,0	11,0	10,0	24	DKJ 3/4"- DN 19	
10	3/8"	7/8"-14	23,5	12,5	7,0	27	DKJ 7/8"- DN 10	
12	1/2"	7/8"-14	20,0	11,5	9,5	27	DKJ 7/8"- DN 12	
16	5/8"	7/8"-14	21,0	11,5	12,5	27	DKJ 7/8"- DN 16	
19	3/4"	7/8"-14	23,0	12,5	12,5	27	DKJ 7/8"- DN 19	
12	1/2"	1 1/16"-12	20,0	15,0	9,5	32	DKJ 1 1/16"- DN 12	
16	5/8"	1 1/16"-12	22,0	14,0	12,5	32	DKJ 1 1/16"- DN 16	
19	3/4"	1 1/16"-12	22,0	15,0	14,5	32	DKJ 1 1/16"- DN 19	
25	1"	1 1/16"-12				32	DKJ 1 1/16"- DN 25	
16	5/8"	1 5/16"-12	26,5	14,5	12,5	41	DKJ 1 5/16"- DN 16	
19	3/4"	1 5/16"-12	25,5	14,0	14,5	41	DKJ 1 5/16"- DN 19	
25	1"	1 5/16"-12	26,0	14,0	20,0	41	DKJ 1 5/16"- DN 25	
25	1"	1 5/8"-12	54,5	15,5	20,0	50	DKJ 1 5/8"- DN 25	
31	1 1/4"	1 5/8"-12	27,5	15,5	25,5	50	DKJ 1 5/8"- DN 31	
31	1 1/4"	1 7/8"-12	31,5	20,0	25,5	55	DKJ 1 7/8"- DN 31	
38	1 1/2"	1 7/8"-12	36,5	18,5	31,5	55	DKJ 1 7/8"- DN 38	
38	1 1/2"	2 1/2"-12			31,5	70	DKJ 2 1/2"- DN 38	
51	2"	2 1/2"-12	45,5	25,0	43,0	70	DKJ 2 1/2"- DN 51	

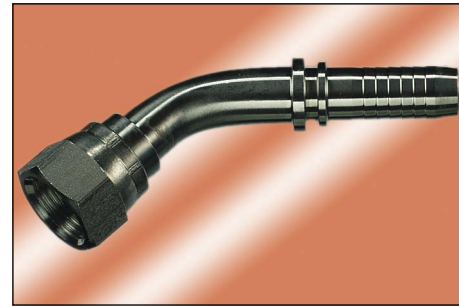
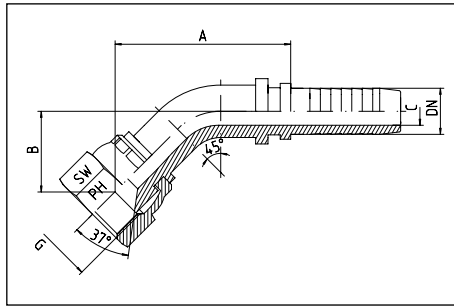
JIC - 37° - NIPPEL - 45°



JIC - 37° - FEMALE NIPPLES - 45°

mit Überwurfmutter

with nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	7/16"-20	38,0	16,5	4,0	17	DKJ 7/16"-45°-DN 06
06	1/4"	1/2"-20	36,0	15,5	4,0	17	DKJ 1/2"-45°-DN 06
08	5/16"	1/2"-20	38,5	17,0	5,5	17	DKJ 1/2"-45°-DN 08
06	1/4"	9/16"-18	34,5	14,5	4,0	19	DKJ 9/16"-45°-DN 06
08	5/16"	9/16"-18	44,5	20,0	5,5	19	DKJ 9/16"-45°-DN 08
10	3/8"	9/16"-18	47,0	20,0	7,0	19	DKJ 9/16"-45°-DN 10
10	3/8"	3/4"-16	42,0	18,5	7,0	24	DKJ 3/4"-45°-DN 10
12	1/2"	3/4"-16	57,0	22,5	9,5	24	DKJ 3/4"-45°-DN 12
10	3/8"	7/8"-14	50,5	20,0	7,0	27	DKJ 7/8"-45°-DN 10
12	1/2"	7/8"-14	59,0	22,0	9,5	27	DKJ 7/8"-45°-DN 12
16	5/8"	7/8"-14	66,0	27,0	12,5	27	DKJ 7/8"-45°-DN 16
12	1/2"	1 1/16"-12	81,0	30,0	9,5	32	DKJ 1 1/16"-45°-DN 12
16	5/8"	1 1/16"-12	67,0	26,5	12,5	32	DKJ 1 1/16"-45°-DN 16
19	3/4"	1 1/16"-12	78,0	28,0	14,5	32	DKJ 1 1/16"-45°-DN 19
19	3/4"	1 5/16"-12	82,0	32,5	14,5	41	DKJ 1 5/16"-45°-DN 19
25	1"	1 5/16"-12	97,0	38,0	20,0	41	DKJ 1 5/16"-45°-DN 25
25	1"	1 5/8"-12	123,0	50,5	20,0	50	DKJ 1 5/8"-45°-DN 25
31	1 1/4"	1 5/8"-12	103,0	37,0	25,0	50	DKJ 1 5/8"-45°-DN 31
31	1 1/4"	1 7/8"-12	144,0	49,0	25,0	55	DKJ 1 7/8"-45°-DN 31
38	1 1/2"	1 7/8"-12	115,5	49,0	31,5	55	DKJ 1 7/8"-45°-DN 38
38	1 1/2"	2 1/2"-12			31,5		DKJ 2 1/2"-45°-DN 38
51	2"	2 1/2"-12	170,0	75,0	42,0	70	DKJ 2 1/2"-45°-DN 51

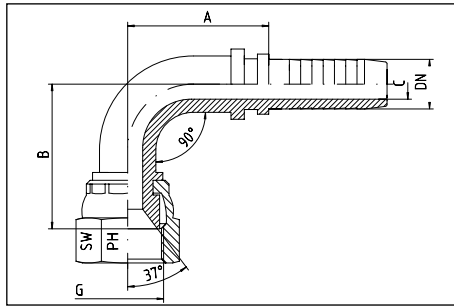
JIC - 37° - NIPPEL - 90°



JIC - 37° - FEMALE NIPPLES - 90°

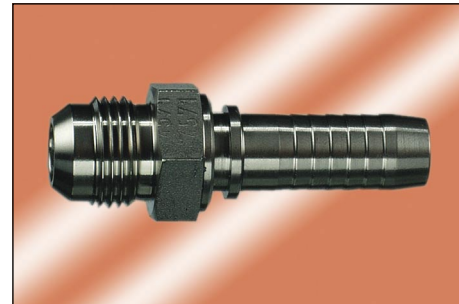
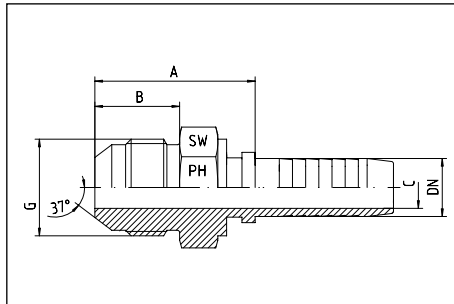
mit Überwurfmutter

with nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	7/16"-20	27,5	31,0	4,0	17	DKJ 7/16"-90°-DN 06
06	1/4"	1/2"-20	27,5	31,0	4,0	17	DKJ 1/2"-90°-DN 06
08	5/16"	1/2"-20	26,0	32,0	5,5	17	DKJ 1/2"-90°-DN 08
06	1/4"	9/16"-18	27,5	26,0	4,0	19	DKJ 9/16"-90°-DN 06
08	5/16"	9/16"-18	35,5	36,0	5,5	19	DKJ 9/16"-90°-DN 08
10	3/8"	9/16"-18	36,0	35,0	7,0	19	DKJ 9/16"-90°-DN 10
10	3/8"	3/4"-16	36,0	30,5	7,0	22	DKJ 3/4"-90°-DN 10
12	1/2"	3/4"-16	43,0	45,0	9,5	24	DKJ 3/4"-90°-DN 12
10	3/8"	7/8"-14	42,5	38,0	7,0	27	DKJ 7/8"-90°-DN 10
12	1/2"	7/8"-14	43,0	46,5	9,5	27	DKJ 7/8"-90°-DN 12
16	5/8"	7/8"-14	56,5	55,5	12,5	27	DKJ 7/8"-90°-DN 16
12	1/2"	1 1/16"-12	49,0	55,0	9,5	32	DKJ 1 1/16"-90°-DN 12
16	5/8"	1 1/16"-12	58,0	51,5	12,5	32	DKJ 1 1/16"-90°-DN 16
19	3/4"	1 1/16"-12	70,0	58,0	14,5	32	DKJ 1 1/16"-90°-DN 19
19	3/4"	1 5/16"-12	70,0	60,0	14,5	41	DKJ 1 5/16"-90°-DN 19
25	1"	1 5/16"-12	80,0	73,5	20,0	41	DKJ 1 5/16"-90°-DN 25
25	1"	1 5/8"-12	105,0	94,5	20,0	50	DKJ 1 5/8"-90°-DN 25
31	1 1/4"	1 5/8"-12	101,0	94,0	25,0	50	DKJ 1 5/8"-90°-DN 31
31	1 1/4"	1 7/8"-12	127,0	95,0	25,0	55	DKJ 1 7/8"-90°-DN 31
38	1 1/2"	1 7/8"-12	104,5	103,0	31,5	55	DKJ 1 7/8"-90°-DN 38
38	1 1/2"	2 1/2"-12			31,5		DKJ 2 1/2"-90°-DN 38
51	2"	2 1/2"-12	149,0	150,0	42,0	70	DKJ 2 1/2"-90°-DN 51

Außengewinde



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	7/16"-20	27,5	14,0	4,0	14	AGJ 7/16"-DN 06
06	1/4"	1/2"-20	27,5	14,0	4,0	17	AGJ 1/2"-DN 06
08	5/16"	1/2"-20	27,5	14,0	5,5	17	AGJ 1/2"-DN 08
06	1/4"	9/16"-18	29,5	14,1	4,0	17	AGJ 9/16"-DN 06
08	5/16"	9/16"-18	29,5	14,1	5,5	17	AGJ 9/16"-DN 08
10	3/8"	9/16"-18	29,5	14,1	7,0	17	AGJ 9/16"-DN 10
10	3/8"	3/4"-16	33,0	16,7	7,0	22	AGJ 3/4"-DN 10
12	1/2"	3/4"-16	31,0	16,7	9,5	22	AGJ 3/4"-DN 12
10	3/8"	7/8"-14	36,0	19,3	7,0	24	AGJ 7/8"-DN 10
12	1/2"	7/8"-14	36,5	19,3	9,5	24	AGJ 7/8"-DN 12
16	5/8"	7/8"-14	37,0	19,3	12,5	24	AGJ 7/8"-DN 16
12	1/2"	1 1/16"-12	38,5	22,0	9,5	27	AGJ 1 1/16"-DN 12
16	5/8"	1 1/16"-12	40,0	22,0	12,5	27	AGJ 1 1/16"-DN 16
19	3/4"	1 1/16"-12	43,0	22,0	14,5	27	AGJ 1 1/16"-DN 19
19	3/4"	1 5/16"-12	44,0	23,1	14,5	36	AGJ 1 5/16"-DN 19
25	1"	1 5/16"-12	44,0	23,1	20,0	36	AGJ 1 5/16"-DN 25
25	1"	1 5/8"-12		24,4	20,0	46	AGJ 1 5/8"-DN 25
31	1 1/4"	1 5/8"-12	48,0	24,4	25,5	46	AGJ 1 5/8"-DN 31
31	1 1/4"	1 7/8"-12		27,5	25,5	50	AGJ 1 7/8"-DN 31
38	1 1/2"	1 7/8"-12	53,5	27,5	31,5	50	AGJ 1 7/8"-DN 38
38	1 1/2"	2 1/2"-12		33,9	31,5	65	AGJ 2 1/2"-DN 38
51	2"	2 1/2"-12	63,0	33,9	43,0	65	AGJ 2 1/2"-DN 51

AUßENGEWINDE-NIPPEL



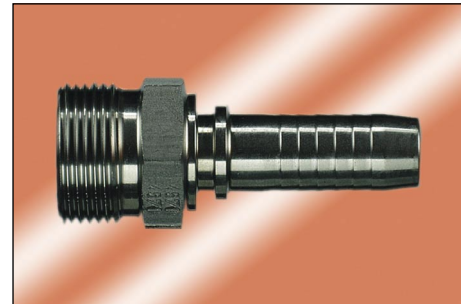
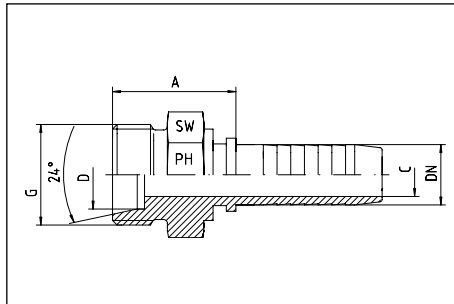
METRIC-MALE NIPPLES

mit 24°-Konus für Schneidringverschraubungen DIN 2353
/ DIN EN ISO 8434-1

leichte Reihe = CEL
schwere Reihe = CES

for compression couplings DIN 2353 / DIN EN ISO 8434-1
stud 24°-cone

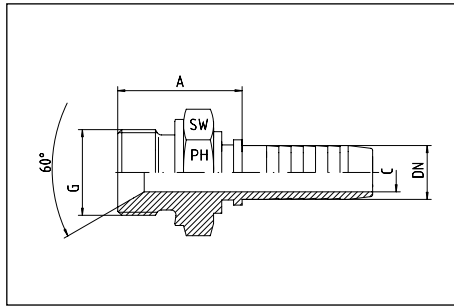
light series = CEL
heavy series = CES



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
06	1/4"	M 12 x 1,5	6	23,0	4,0	14	CEL 06-DN 06
06	1/4"	M 14 x 1,5	8	23,0	4,0	14	CEL 08-DN 06
06	1/4"	M 16 x 1,5	10	25,0	4,0	17	CEL 10-DN 06
08	5/16"	M 16 x 1,5	10	24,5	5,5	17	CEL 10-DN 08
10	3/8"	M 16 x 1,5	10	24,5	7,0	17	CEL 10-DN 10
06	1/4"	M 18 x 1,5	12		4,0	19	CEL 12-DN 06
08	5/16"	M 18 x 1,5	12	24,5	5,5	19	CEL 12-DN 08
10	3/8"	M 18 x 1,5	12	24,5	7,0	19	CEL 12-DN 10
12	1/2"	M 18 x 1,5	12	25,5	9,5	19	CEL 12-DN 12
10	3/8"	M 22 x 1,5	15	26,0	7,0	22	CEL 15-DN 10
12	1/2"	M 22 x 1,5	15	27,0	9,5	22	CEL 15-DN 12
12	1/2"	M 26 x 1,5	18	29,0	9,5	27	CEL 18-DN 12
16	5/8"	M 26 x 1,5	18	28,0	12,5	22	CEL 18-DN 16
16	5/8"	M 30 x 2	22	32,5	12,5	30	CEL 22-DN 16
19	3/4"	M 30 x 2	22	35,0	14,5	30	CEL 22-DN 19
25	1"	M 36 x 2	28	35,0	20,0	36	CEL 28-DN 25
31	1 1/4"	M 45 x 2	35	39,0	25,5	46	CEL 35-DN 31
38	1 1/2"	M 52 x 2	42	45,0	31,5	55	CEL 42-DN 38
06	1/4"	M 14 x 1,5	6	25,0	4,0	14	CES 06-DN 06
06	1/4"	M 16 x 1,5	8	25,5	4,0	17	CES 08-DN 06
06	1/4"	M 18 x 1,5	10	25,5	4,0	19	CES 10-DN 06
08	5/16"	M 18 x 1,5	10	25,5	5,5	19	CES 10-DN 08
10	3/8"	M 18 x 1,5	10	25,5	7,0	19	CES 10-DN 10
08	5/16"	M 20 x 1,5	12	27,5	5,5	22	CES 12-DN 08
10	3/8"	M 20 x 1,5	12	25,5	7,0	22	CES 12-DN 10
08	5/16"	M 22 x 1,5	14	27,5	5,5	22	CES 14-DN 08
10	3/8"	M 22 x 1,5	14	28,0	7,0	22	CES 14-DN 10
10	3/8"	M 24 x 1,5	16		7,0	24	CES 16-DN 10
12	1/2"	M 24 x 1,5	16	28,0	9,5	24	CES 16-DN 12
12	1/2"	M 30 x 2	20		9,5	30	CES 20-DN 12
16	5/8"	M 30 x 2	20	34,0	12,5	30	CES 20-DN 16
19	3/4"	M 30 x 2	20	37,0	14,5	30	CES 20-DN 19
19	3/4"	M 36 x 2	25	40,0	14,5	36	CES 25-DN 19
25	1"	M 36 x 2	25	40,0	20,0	36	CES 25-DN 25
25	1"	M 42 x 2	30	42,5	20,0	46	CES 30-DN 25
31	1 1/4"	M 52 x 2	38	45,0	25,5	55	CES 38-DN 31

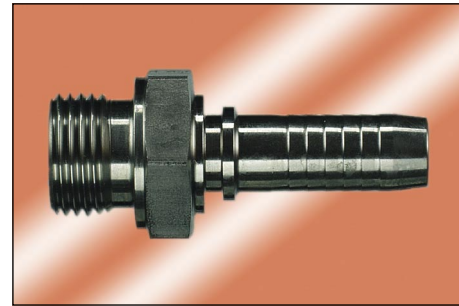
mit 60°-Innenkonus
und angedrehter Dichtkante Form B

Gewinde: BSP - zylindrisch



with 60°-cone
and sealing shoulder form B

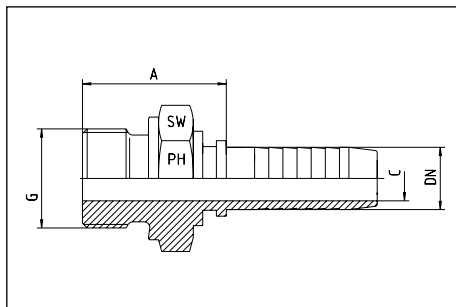
Thread: BSP - parallel



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/8"-28	23,5	4,0	14	AGR 1/8"-DN 06
06	1/4"	1/4"-19	25,5	4,0	19	AGR 1/4"-DN 06
08	5/16"	1/4"-19	28,0	5,5	19	AGR 1/4"-DN 08
10	3/8"	1/4"-19	28,0	6,0	19	AGR 1/4"-DN 10
06	1/4"	3/8"-19	30,5	4,0	19	AGR 3/8"-DN 06
08	5/16"	3/8"-19	26,5	5,5	22	AGR 3/8"-DN 08
10	3/8"	3/8"-19	30,0	7,0	22	AGR 3/8"-DN 10
12	1/2"	3/8"-19	30,5	7,0	22	AGR 3/8"-DN 12
06	1/4"	1/2"-14	34,5	4,0	27	AGR 1/2"-DN 06
08	5/16"	1/2"-14		5,5	27	AGR 1/2"-DN 08
10	3/8"	1/2"-14	32,0	7,0	27	AGR 1/2"-DN 10
12	1/2"	1/2"-14	31,0	9,5	27	AGR 1/2"-DN 12
16	5/8"	1/2"-14	32,0	12,5	27	AGR 1/2"-DN 16
19	3/4"	1/2"-14	37,5	14,5	27	AGR 1/2"-DN 19
16	5/8"	5/8"-14	32,5	12,5	30	AGR 5/8"-DN 16
12	1/2"	3/4"-14	34,5	9,5	32	AGR 3/4"-DN 12
16	5/8"	3/4"-14	35,0	12,5	32	AGR 3/4"-DN 16
19	3/4"	3/4"-14	38,0	14,5	32	AGR 3/4"-DN 19
25	1"	3/4"-14	38,0	20,0	32	AGR 3/4"-DN 25
19	3/4"	1"-11	41,5	14,5	41	AGR 1"-DN 19
25	1"	1"-11	42,0	20,0	41	AGR 1"-DN 25
25	1"	1 1/4"-11	45,0	20,0	50	AGR 1 1/4"-DN 25
31	1 1/4"	1 1/4"-11	45,0	25,5	50	AGR 1 1/4"-DN 31
31	1 1/4"	1 1/2"-11	45,0	25,5	55	AGR 1 1/2"-DN 31
38	1 1/2"	1 1/2"-11	48,0	31,5	55	AGR 1 1/2"-DN 38
51	2"	2"-11	50,0	41,0	70	AGR 2"-DN 51

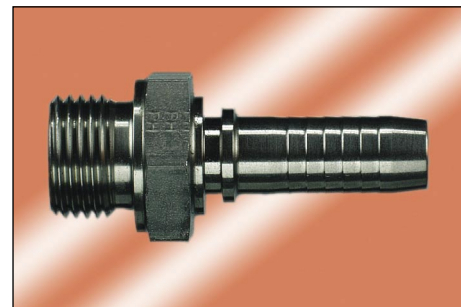
flachdichtend
mit angedrehter Dichtkante Form B

Gewinde: BSP - zylindrisch



flatseal
with sealing shoulder form B

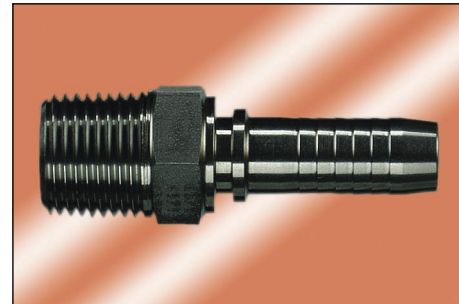
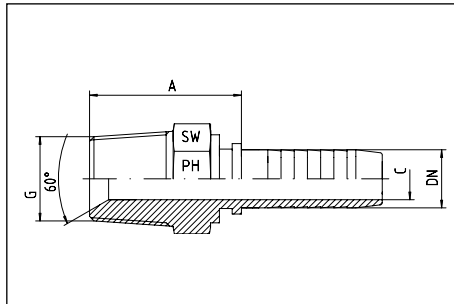
Thread: BSP - parallel



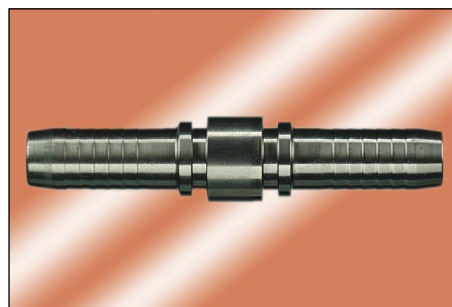
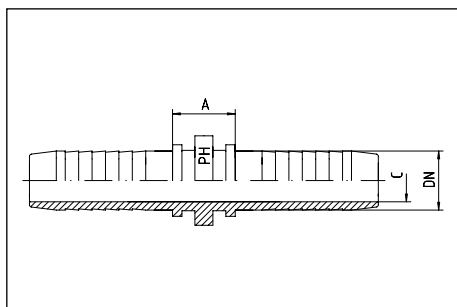
Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/8"-28	23,5	4,0	14	AGF 1/8"-DN 06
06	1/4"	1/4"-19	25,5	4,0	19	AGF 1/4"-DN 06
10	3/8"	1/4"-19	28,0	6,0	19	AGF 1/4"-DN 10
08	5/16"	3/8"-19	26,5	5,5	22	AGF 3/8"-DN 08
10	3/8"	3/8"-19	30,0	7,0	22	AGF 3/8"-DN 10
12	1/2"	3/8"-19	32,0	7,0	22	AGF 3/8"-DN 12
10	1/2"	1/2"-14	32,0	7,0	27	AGF 1/2"-DN 10
12	1/2"	1/2"-14	31,0	9,5	27	AGF 1/2"-DN 12
16	5/8"	5/8"-14		12,5		AGF 5/8"-DN 16
12	1/2"	3/4"-14	34,5	9,5	32	AGF 3/4"-DN 12
16	5/8"	3/4"-14	35,0	12,5	32	AGF 3/4"-DN 16
19	3/4"	3/4"-14	38,0	14,5	32	AGF 3/4"-DN 19
19	3/4"	1"-11	41,5	14,5	41	AGF 1"-DN 19
25	1"	1"-11	42,0	20,0	41	AGF 1"-DN 25
25	1"	1 1/4"-11	45,0	20,0	50	AGF 1 1/4"-DN 25
31	1 1/4"	1 1/4"-11	45,0	25,5	50	AGF 1 1/4"-DN 31
31	1 1/4"	1 1/2"-11	45,0	25,5	55	AGF 1 1/2"-DN 31
38	1 1/2"	1 1/2"-11	48,0	31,5	55	AGF 1 1/2"-DN 38
51	2"	2"-11	50,0	43,0	70	AGF 2"-DN 51

AGR-k = kegeliges Rohraußengewinde
 AGN = NPT-Außengewinde

AGR-k = BSP - male - taper
 AGN = NPT - male



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/8"- keg	20,0	4,0	14	AGRk 1/8"-DN 06
06	1/4"	1/4"-19 keg	28,0	4,0	14	AGRk 1/4"-DN 06
08	5/16"	3/8"-19 keg	26,5	5,5	19	AGRk 3/8"-DN 08
10	3/8"	3/8"-19 keg	26,5	7,0	19	AGRk 3/8"-DN 10
12	1/2"	3/8"-19 keg	27,5	9,5	19	AGRk 3/8"-DN 12
10	3/8"	1/2"-14 keg	33,5	7,0	22	AGRk 1/2"-DN 10
12	1/2"	1/2"-14 keg	34,0	9,5	22	AGRk 1/2"-DN 12
12	1/2"	3/4"-14 keg	33,5	9,5	27	AGRk 3/4"-DN 12
16	5/8"	3/4"-14 keg	36,5	12,5	27	AGRk 3/4"-DN 16
19	3/4"	3/4"-14 keg	38,5	14,5	27	AGRk 3/4"-DN 19
19	3/4"	1"-11 keg	46,5	14,5	36	AGRk 1"-DN 19
25	1"	1"-11 keg	46,5	20,0	36	AGRk 1"-DN 25
31	1 1/4"	1 1/4"-11 keg	52,0	25,5	46	AGRk 1 1/4"-DN 31
38	1 1/2"	1 1/2"-11 keg	54,0	31,5	50	AGRk 1 1/2"-DN 38
51	2"	2"-11 keg	56,0	43	65	AGRk 2"-DN 51
06	1/4"	1/8"-27 NPT	23,5	4,0	14	AGN 1/8"-DN 06
06	1/4"	1/4"-18 NPT	28,0	4,0	14	AGN 1/4"-DN 06
08	5/16"	1/4"-18 NPT	29,5	5,5	14	AGN 1/4"-DN 08
10	3/8"	1/4"-18 NPT	29,0	7,0	17	AGN 1/4"-DN 10
06	1/4"	3/8"-18 NPT	29,0	4,0	19	AGN 3/8"-DN 06
08	5/16"	3/8"-18 NPT	28,5	5,5	19	AGN 3/8"-DN 08
10	3/8"	3/8"-18 NPT	29,5	7,0	19	AGN 3/8"-DN 10
12	1/2"	3/8"-18 NPT	31,5	9,5	19	AGN 3/8"-DN 12
10	3/8"	1/2"-14 NPT	33,5	7,0	22	AGN 1/2"-DN 10
12	1/2"	1/2"-14 NPT	34,0	9,5	22	AGN 1/2"-DN 12
16	5/8"	1/2"-14 NPT	35,5	12,5	24	AGN 1/2"-DN 16
19	3/4"	1/2"-14 NPT	40,0	14,5	27	AGN 1/2"-DN 19
12	1/2"	3/4"-14 NPT	35,5	9,5	27	AGN 3/4"-DN 12
16	5/8"	3/4"-14 NPT	36,5	12,5	27	AGN 3/4"-DN 16
19	3/4"	3/4"-14 NPT	38,5	14,5	27	AGN 3/4"-DN 19
25	1"	3/4"-14 NPT	40,0	15,0	32	AGN 3/4"-DN 25
19	3/4"	1"-11,5 NPT	43,5	14,5	36	AGN 1"-DN 19
25	1"	1"-11,5 NPT	46,5	20,0	36	AGN 1"-DN 25
25	1"	1 1/4"-11,5 NPT	46,0	20,0	46	AGN 1 1/4"-DN 25
31	1 1/4"	1 1/4"-11,5 NPT	48,0	25,5	46	AGN 1 1/4"-DN 31
31	1 1/4"	1 1/2"-11,5 NPT			50	AGN 1 1/2"-DN 31
38	1 1/2"	1 1/2"-11,5 NPT	54,5	31,5	50	AGN 1 1/2"-DN 38
51	2"	2"-11,5 NPT	56,0	43,0	65	AGN 2"-DN 51



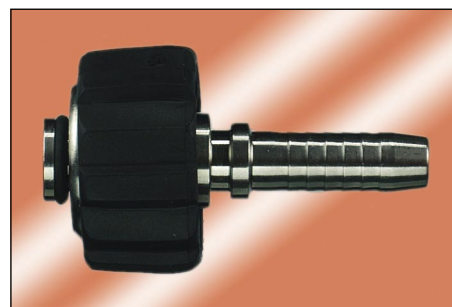
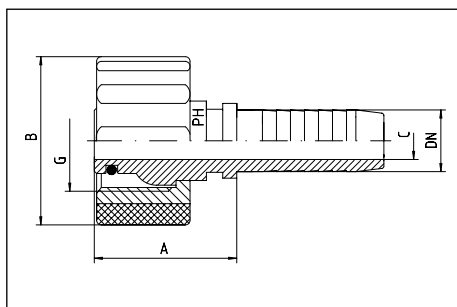
Schlauch Hose DN	DN Bore in.	ca. Maße approx. dimensions			Bestellzeichen Order-Code
		A		C	
06	1/4"	23,0		4,0	DSN-DN 06
08	5/16"	23,0		5,5	DSN-DN 08
10	3/8"	19,0		7,0	DSN-DN 10
12	1/2"	23,0		9,5	DSN-DN 12
16	5/8"	25,5		12,5	DSN-DN 16
19	3/4"	31,5		14,5	DSN-DN 19
25	1"	32,5		20,0	DSN-DN 25
31	1 1/4"	39,0		25,5	DSN-DN 31
38	1 1/2"	41,0		32,0	DSN-DN 38
51	2"	41,0		43,0	DSN-DN 51

WASCHGERÄTE-NIPPEL

WATERWASH-NIPPLES

DKO-KÄ

DKO-KÄ



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	B	C	
06	1/4"	M 22 x 1,5	34	35	4,0	DKO-KÄ-DN 06
08	5/16"	M 22 x 1,5	34	35	5,5	DKO-KÄ-DN 08
10	3/8"	M 22 x 1,5	34	35	7,0	DKO-KÄ-DN 10
12	1/2"	M 22 x 1,5	34	35	9,5	DKO-KÄ-DN 12

SAE-FLANSCHNIPPEL



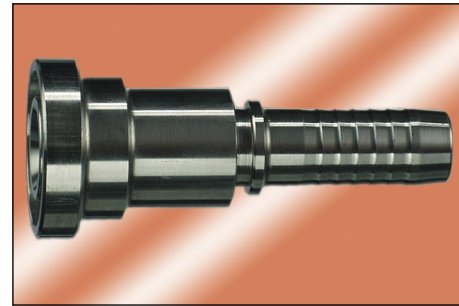
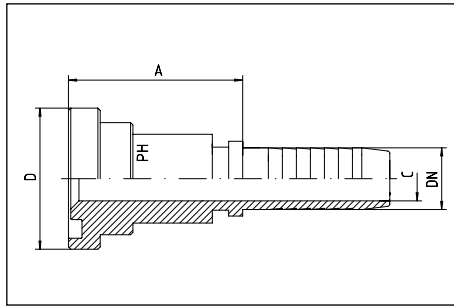
SAE-FLANGED NIPPLES

SAE J 518 / ISO 6162

SFL 3 = 3000 PSI gerade
SFS 6 = 6000 PSI gerade

SAE J 518 / ISO 6162

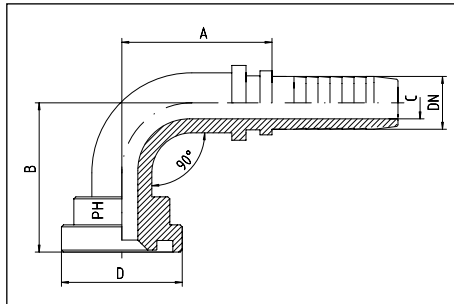
SFL 3 = 3000 PSI straight
SFS 6 = 6000 PSI straight



Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	in.	A		C	
12	1/2"	30,2	1/2"	37,5		9,5	SFL3-1/2"-DN 12
12	1/2"	38,1	3/4"	40,0		9,5	SFL3-3/4"-DN 12
16	5/8"	30,2	1/2"			12,5	SFL3-1/2"-DN 16
16	5/8"	38,1	3/4"	46,5		12,5	SFL3-3/4"-DN 16
19	3/4"	38,1	3/4"	46,5		14,5	SFL3-3/4"-DN 19
19	3/4"	44,5	1"	46,5		14,5	SFL3-1"-DN 19
25	1"	44,5	1"	38,0		20,0	SFL3-1"-DN 25
25	1"	50,8	1 1/4"	49,0		20,0	SFL3-1 1/4"-DN 25
31	1 1/4"	50,8	1 1/4"	54,0		25,5	SFL3-1 1/4"-DN 31
31	1 1/4"	60,3	1 1/2"	50,0		25,5	SFL3-1 1/2"-DN 31
38	1 1/2"	60,3	1 1/2"	60,0		31,5	SFL3-1 1/2"-DN 38
38	1 1/2"	71,4	2"	62,0		31,5	SFL3-2"-DN 38
51	2"	71,4	2"	48,0		43,0	SFL3-2"-DN 51
60	2 1/2"	84,1	2 1/2"	68,0		51,0	SFL3-2 1/2"-DN 60
76	3"	101,5	3"	87,0		68,5	SFL3-3"-DN 76
80		101,5	3"	71,0		73,0	SFL3-3"-DN 80
12	1/2"	31,7	1/2"	39,0		9,5	SFS6-1/2"-DN 12
12	1/2"	41,3	3/4"	40,0		9,5	SFS6-3/4"-DN 12
16	5/8"	31,7	1/2"			12,5	SFS6-1/2"-DN 16
16	5/8"	41,3	3/4"	41,0		12,5	SFS6-3/4"-DN 16
19	3/4"	41,3	3/4"	48,0		14,5	SFS6-3/4"-DN 19
19	3/4"	47,6	1"	65,5		14,5	SFS6-1"-DN 19
25	1"	47,6	1"	68,0		20,0	SFS6-1"-DN 25
25	1"	54,0	1 1/4"	50,5		20,0	SFS6-1 1/4"-DN 25
31	1 1/4"	54,0	1 1/4"	70,0		25,5	SFS6-1 1/4"-DN 31
31	1 1/4"	63,5	1 1/2"	58,0		25,5	SFS6-1 1/2"-DN 31
38	1 1/2"	63,5	1 1/2"	68,0		31,5	SFS6-1 1/2"-DN 38
38	1 1/2"	79,4	2"	76,0		31,5	SFS6-2"-DN 38
51	2"	79,4	2"	86,0		43,0	SFS6-2"-DN 51

SAE J 518 / ISO 6162

SFL 3 = 3000 PSI - 90°
SFS 6 = 6000 PSI - 90°



SAE J 518 / ISO 6162

SFL 3 = 3000 PSI - 90°
SFS 6 = 6000 PSI - 90°



Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	in.	A	B	C	
12	1/2"	30,2	1/2"	44	54,0	9,5	SFL3-1/2"-90°-DN 12
12	1/2"	38,1	3/4"	74	61,0	12,0	SFL3-3/4"-90°-DN 12
16	5/8"	30,2	1/2"			12,0	SFL3-1/2"-90°-DN 16
16	5/8"	38,1	3/4"	74	61,0	12,0	SFL3-3/4"-90°-DN 16
19	3/4"	38,1	3/4"	75	68,0	14,5	SFL3-3/4"-90°-DN 19
19	3/4"	44,5	1"	75	73,0	14,5	SFL3-1"-90°-DN 19
25	1"	44,5	1"	85	77,0	20,0	SFL3-1"-90°-DN 25
25	1"	50,8	1 1/4"	104	89,0	20,0	SFL3-1 1/4"-90°-DN 25
31	1 1/4"	50,8	1 1/4"	102	92,0	25,0	SFL3-1 1/4"-90°-DN 31
31	1 1/4"	60,3	1 1/2"	124	92,5	25,0	SFL3-1 1/2"-90°-DN 31
38	1 1/2"	60,3	1 1/2"	124	104,0	31,0	SFL3-1 1/2"-90°-DN 38
38	1 1/2"	71,4	2"	120	120,0	31,0	SFL3-2"-90°-DN 38
51	2"	71,4	2"	146	144,0	42,0	SFL3-2"-90°-DN 51
60	2 1/2"	84,1	2 1/2"				SFL3-2 1/2"-90°-DN 60
76	3"	101,5	3"				SFL3-3"-90°-DN 76
80		101,5	3"				SFL3-3"-90°-DN 80
12	1/2"	31,7	1/2"	44	56,0		SFS6-1/2"-90°-DN 12
12	1/2"	41,3	3/4"	74	63,5	12,0	SFS6-3/4"-90°-DN 12
16	5/8"	31,7	1/2"			12,0	SFS6-1/2"-90°-DN 16
16	5/8"	41,3	3/4"	74	63,5	12,0	SFS6-3/4"-90°-DN 16
19	3/4"	41,3	3/4"	75	70,0	14,5	SFS6-3/4"-90°-DN 19
19	3/4"	47,6	1"	77	72,0	14,5	SFS6-1"-90°-DN 19
25	1"	47,6	1"	84	78,0	20,0	SFS6-1"-90°-DN 25
25	1"	54,0	1 1/4"	105	91,0	20,0	SFS6-1 1/4"-90°-DN 25
31	1 1/4"	54,0	1 1/4"	103	92,0	25,0	SFS6-1 1/4"-90°-DN 31
31	1 1/4"	63,5	1 1/2"	124	95,0	25,0	SFS6-1 1/2"-90°-DN 31
38	1 1/2"	63,5	1 1/2"	124	104,0	31,0	SFS6-1 1/2"-90°-DN 38
38	1 1/2"	79,4	2"	120	122,0	31,0	SFS6-2"-90°-DN 38
51	2"	79,4	2"	147	139,0	42,0	SFS6-2"-90°-DN 51

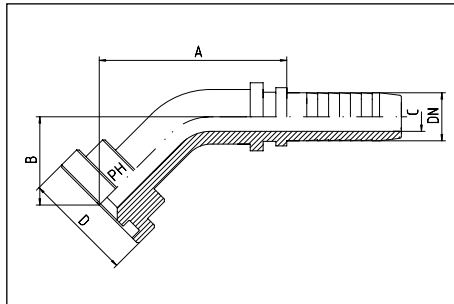
SAE-FLANSCHNIPPEL



SAE-FLANGED NIPPLES

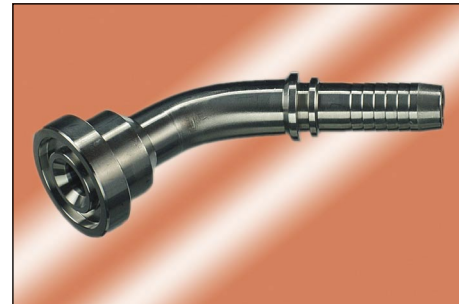
SAE J 518 / ISO 6162

SFL 3 = 3000 PSI - 45°
SFS 6 = 6000 PSI - 45°



SAE J 518 / ISO 6162

SFL 3 = 3000 PSI - 45°
SFS 6 = 6000 PSI - 45°



Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	in.	A	B	C	
12	1/2"	30,2	1/2"	60,0	30,0	9,5	SFL3-1/2"-45°-DN 12
12	1/2"	38,1	3/4"	90,5	34,0	12,0	SFL3-3/4"-45°-DN 12
16	5/8"	30,2	1/2"				SFL3-1/2"-45°-DN 16
16	5/8"	38,1	3/4"	90,5	34,0	12,0	SFL3-3/4"-45°-DN 16
19	3/4"	38,1	3/4"	85,0	36,0	14,5	SFL3-3/4"-45°-DN 19
19	3/4"	44,5	1"	91,0	31,0	14,5	SFL3-1"-45°-DN 19
25	1"	44,5	1"	90,0	39,0	20,0	SFL3-1"-45°-DN 25
25	1"	50,8	1 1/4"	118,0	43,0	20,0	SFL3-1 1/4"-45°-DN 25
31	1 1/4"	50,8	1 1/4"	111,0	44,0	25,0	SFL3-1 1/4"-45°-DN 31
31	1 1/4"	60,3	1 1/2"	138,0	36,0	25,0	SFL3-1 1/2"-45°-DN 31
38	1 1/2"	60,3	1 1/2"	134,0	45,0	31,0	SFL3-1 1/2"-45°-DN 38
38	1 1/2"	71,4	2"	142,0	58,0	31,0	SFL3-2"-45°-DN 38
51	2"	71,4	2"	162,0	57,0	42,0	SFL3-2"-45°-DN 51
60	2 1/2"	84,1	2 1/2"				SFL3-2 1/2"-45°-DN 60
76	3"	101,5	3"				SFL3-3"-45°-DN 76
80		101,5	3"				SFL3-3"-45°-DN 80
12	1/2"	31,7	1/2"	62,0	32,0		SFS6-1/2"-45°-DN 12
12	1/2"	41,3	3/4"	91,5	35,0	12,0	SFS6-3/4"-45°-DN 12
16	5/8"	31,7	1/2"			12,0	SFS6-1/2"-45°-DN 16
16	5/8"	41,3	3/4"	91,5	35,0	12,0	SFS6-3/4"-45°-DN 16
19	3/4"	41,3	3/4"	85,0	40,0	14,5	SFS6-3/4"-45°-DN 19
19	3/4"	47,6	1"	94,0	31,0	14,5	SFS6-1"-45°-DN 19
25	1"	47,6	1"	92,5	38,5	20,0	SFS6-1"-45°-DN 25
25	1"	54,0	1 1/4"	119,0	47,5	20,0	SFS6-1 1/4"-45°-DN 25
31	1 1/4"	54,0	1 1/4"	112,0	47,0	25,0	SFS6-1 1/4"-45°-DN 31
31	1 1/4"	63,5	1 1/2"	141,5	43,0	25,0	SFS6-1 1/2"-45°-DN 31
38	1 1/2"	63,5	1 1/2"	134,0	48,0	31,0	SFS6-1 1/2"-45°-DN 38
38	1 1/2"	79,4	2"	143,0	64,0	31,0	SFS6-2"-45°-DN 38
51	2"	79,4	2"	165,5	60,0	42,0	SFS6-2"-45°-DN 51

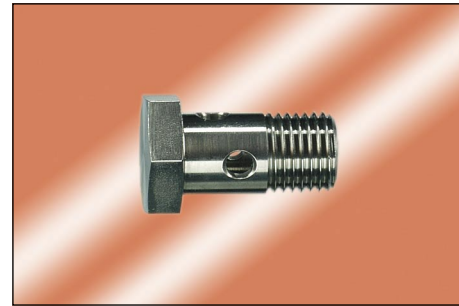
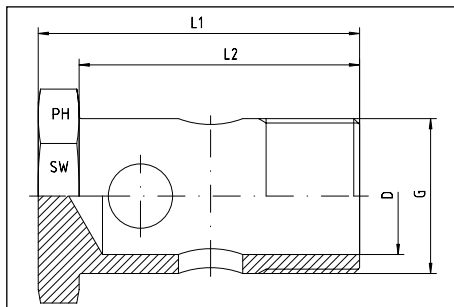
HOHLSCHRAUBEN



BOLTS

metrisch (DIN 7643) + zöllig

metric (DIN 7643) + BSP



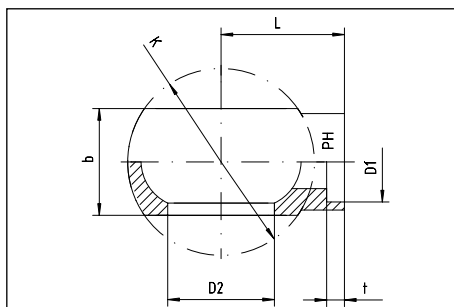
Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
	L1	L2	D	SW	
M 10 x 1	25	19	5,5	14	HS-M 10x1
M 12 x 1,5	30	24	7,0	17	HS-M 12x1,5
M 14 x 1,5	32	26	9,0	19	HS-M 14x1,5
M 16 x 1,5	34	28	11,0	22	HS-M 16x1,5
M 18 x 1,5	38	32	13,0	24	HS-M 18x1,5
M 22 x 1,5	46	39	16,0	27	HS-M 22x1,5
M 26 x 1,5	52	45	20,0	32	HS-M 26x1,5
G 1/8"	25	19	5,5	14	HS-G 1/8"
G 3/8"	34	28	11,0	22	HS-G 3/8"
G 1/2"	45	38		27	HS-G 1/2"
G 3/4"	52	45	20,0	32	HS-G 3/4"

RINGSTUTZEN

BANJOS

DIN 7642
für Lötung, Form B

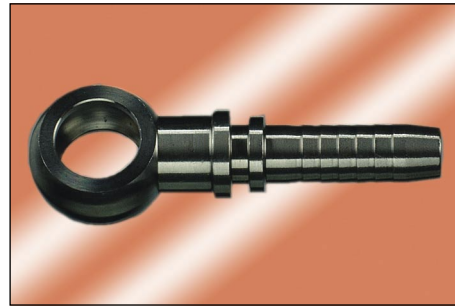
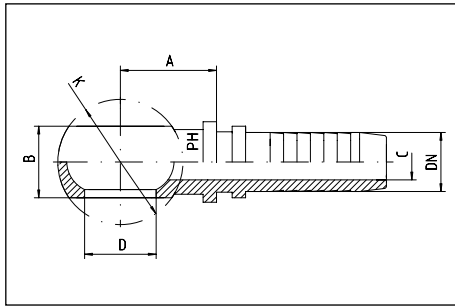
DIN 7642
for soldering, form B



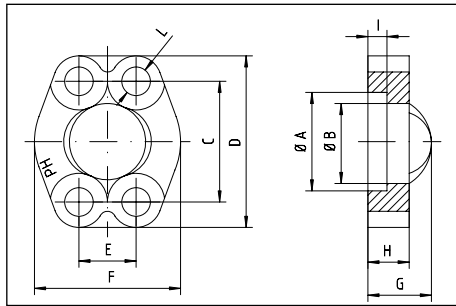
Rohr A.D. Tube O.D. D1	für Hohl- schraube for bold D2	ca. Maße approx. dimensions				Bestellzeichen Order-Code
		b	L	t	K	
6	M 10 x 1 + 1/8"	10	16	6	17	RGN-06
8	M 12 x 1,5	12	18	6	20	RGN-08
10	M 14 x 1,5	14	20	6	24	RGN-10
12	M 16 x 1,5 + 3/8"	16	22	6	28	RGN-12
15	M 18 x 1,5	20	24	6	32	RGN-15
18	M 22 x 1,5	25	27	6	39	RGN-18
22	M 26 x 1,5 + 3/4"	30	32	8	46	RGN-22

metrisch + zöllig

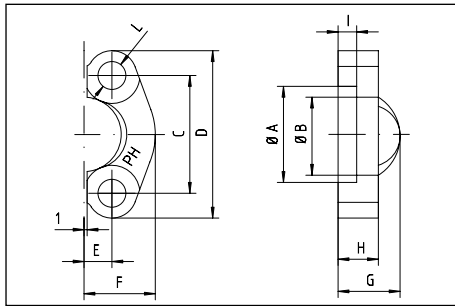
metric + BSP



Schlauch Hose DN	DN Bore in.	für Hohl- schraube for bold	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			D	A	B	C	
06	1/4"	M 10 x 1 + G 1/8"	10,1	33,0	10	4,0	RGN 10-DN 06
06	1/4"	M 12 x 1,5	12,1	36,0	12	4,0	RGN 12-DN 06
06	1/4"	M 14 x 1,5	14,1	27,5	14	4,0	RGN 14-DN 06
08	5/16"	M 10 x 1 + G 1/8"	10,1	33,0	10	5,5	RGN 10-DN 08
08	5/16"	M 12 x 1,5	12,1	36,0	12	5,5	RGN 12-DN 08
08	5/16"	M 14 x 1,5	14,1	27,5	14	5,5	RGN 14-DN 08
08	5/16"	M 16 x 1,5 + G 3/8"	16,1	35,5	16	5,5	RGN 16-DN 08
10	3/8"	M 14 x 1,5	14,1	37,5	14	7,0	RGN 14-DN 10
10	3/8"	M 16 x 1,5 + G 3/8"	16,1	35,5	16	7,0	RGN 16-DN 10
10	3/8"	M 18 x 1,5	18,1		20	7,0	RGN 18-DN 10
10	3/8"	G 1/2"	21,2	45,5	22	7,0	RGN 1/2"-DN 10
12	1/2"	M 16 x 1,5 + G 3/8"	16,1	36,0	16	9,5	RGN 16-DN 12
12	1/2"	M 18 x 1,5	18,1		20	9,5	RGN 18-DN 12
12	1/2"	M 22 x 1,5	22,1		25	9,5	RGN 22-DN 12
16	5/8"	M 22 x 1,5	22,1		25	12,5	RGN 22-DN 16
19	3/4"	M 26 x 1,5 + G 3/4"	26,1		30	14,5	RGN 22-DN 19



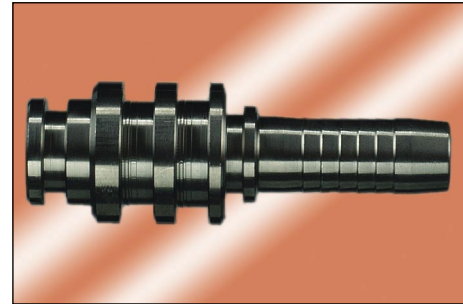
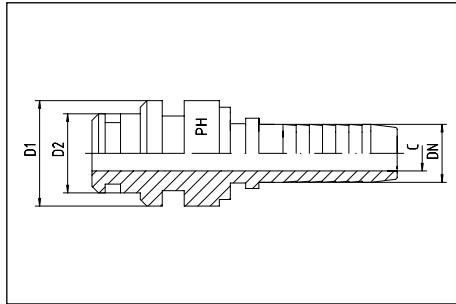
Max. Betriebsdruck - bar Max. working pressure - bar	SAE Baugröße Nominal flange size, in.	ca. Maße approx. dimensions										Schrauben Screws		Bestellzeichen Order-Code		
		A	B	C	D	E	F	G	H	I	L	metr.	unc.			
																Lochbild 3.000 P.S.I.
345	1/2"	30,96	24,26	38,10	54	17,48	45,6	19	13	6,22	8,50	M 8 x 25	5/16" x 1 1/4"	VF-3-1/2"		
345	3/4"	38,89	32,13	47,63	65	22,23	51,8	22	14	6,22	10,50	M 10 x 30	3/8" x 1 1/4"	VF-3-3/4"		
345	1"	45,24	38,48	52,37	70	26,19	58,4	24	16	7,49	10,50	M 10 x 35	3/8" x 1 1/4"	VF-3-1"		
276	1 1/4"	51,59	43,69	58,72	79	30,18	72,6	22	16	7,49	12,00	M 10 x 35	7/16" x 1 1/2"	VF-3-1 1/4"		
207	1 1/2"	61,09	50,80	69,85	94	35,71	82,2	25	16	7,49	13,50	M 12 x 35	1/2" x 1 1/2"	VF-3-1 1/2"		
207	2"	72,24	62,74	77,77	102	42,88	96,4	26	16	9,02	13,50	M 12 x 35	1/2" x 1 1/2"	VF-3-2"		
172	2 1/2"	84,94	74,93	88,90	114	50,80	108,2	38	19	9,02	13,50	M 12 x 35	1/2" x 1 1/2"	VF-3-2 1/2"		
138	3"	102,39	90,93	106,38	135	61,93	130,6	41	22	9,02	16,75	M 16 x 50	5/8" x 2"	VF-3-3"		
																Lochbild 6.000 P.S.I.
420	1/2"	32,45	24,64	40,49	56	18,24	47,2	22	16	7,24	8,50	M 8 x 30	5/16" x 1 1/4"	VF-6-1/2"		
420	3/4"	42,06	32,51	50,80	71	23,80	60,0	28	19	8,26	10,50	M 10 x 35	3/8" x 1 1/2"	VF-6-3/4"		
420	1"	48,41	38,86	57,15	81	27,76	69,9	33	24	9,02	12,50	M 12 x 45		VF-6-1"		
420	1 1/4"	54,76	44,45	66,68	95	31,75	77,2	38	27	9,78	14,50	M 14 x 50	1/2" x 1 3/4"	VF-6-1 1/4"		
420	1 1/2"	64,29	51,56	79,38	113	36,50	95,0	43	30	12,07	16,75	M 16 x 55	5/8" x 2"	VF-6-1 1/2"		
420	2"	80,16	67,56	96,82	133	44,45	113,8	52	37	12,07	21,00	M 20 x 65	3/4" x 2 1/2"	VF-6-2"		



Max. Betriebsdruck - bar Max. working pressure- bar	SAE Baugröße Nominal flange size, in.	ca. Maße approx. dimensions										Schrauben Screws		Bestellzeichen Order-Code		
		A	B	C	D	E	F	G	H	I	L	metr.	unc.			
																Lochbild 3.000 PS.I.
345	1/2"	30,96	24,26	38,10	54	8,74	22,8	19	13	6,22	8,50	M 8 x 25	5/16" x 1 1/4"	FLH-3-1/2"		
345	3/4"	38,89	32,13	47,63	65	11,13	25,9	22	14	6,22	10,50	M 10 x 30	3/8" x 1 1/4"	FLH-3-3/4"		
345	1"	45,24	38,48	52,37	70	13,08	29,2	24	16	7,49	10,50	M 10 x 30	3/8" x 1 1/4"	FLH-3-1"		
276	1 1/4"	51,59	43,69	58,72	79	15,09	36,3	22	16	7,49	12,00	M 10 x 35	7/16" x 1 1/2"	FLH-3-1 1/4"		
207	1 1/2"	61,09	50,8	69,85	94	17,86	41,1	25	16	7,49	13,50	M 12 x 35	1/2" x 1 1/2"	FLH-3-1 1/2"		
207	2"	72,24	62,74	77,77	102	21,44	48,2	26	16	9,02	13,50	M 12 x 35	1/2" x 1 1/2"	FLH-3- 2"		
172	2 1/2"	84,94	74,93	88,90	114	25,40	54,1	38	19	9,02	13,50	M 12 x 40	1/2" x 1 1/2"	FLH-3-2 1/2"		
138	3"	102,39	90,93	106,38	135	30,96	65,3	41	22	9,02	16,75	M 16 x 45	5/8" x 2"	FLH-3-3"		
															Lochbild 6.000 PS.I.	
420	1/2"	32,45	24,64	40,49	56	9,12	23,6	22	16	7,24	8,50	M 8 x 30	5/16" x 1 1/4"	FLH-6-1/2"		
420	3/4"	42,06	32,51	50,80	71	11,91	30,0	28	19	8,26	10,50	M 10 x 35	3/8" x 1 1/2"	FLH-6-3/4"		
420	1"	48,41	38,86	57,15	81	13,89	34,8	33	24	9,02	12,50	M 12 x 45		FLH-6-1"		
420	1 1/4"	54,76	44,45	66,68	95	15,88	38,6	38	27	9,78	14,50	M 14 x 50		FLH-6-1 1/4"		
420	1 1/2"	64,29	51,56	79,38	113	18,26	47,5	43	30	12,07	16,75	M 16 x 55	5/8" x 2"	FLH-6-1 1/2"		
420	2"	80,16	67,56	96,82	133	22,23	56,9	52	37	12,07	21,00	M 20 x 65	3/4" x 2 1/2"	FLH-6-2"		

torsionsfrei

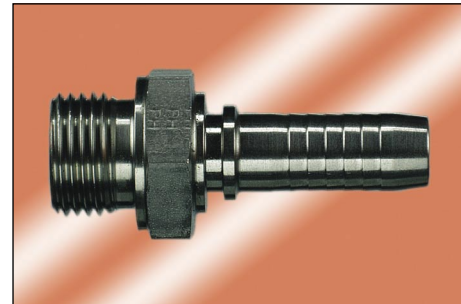
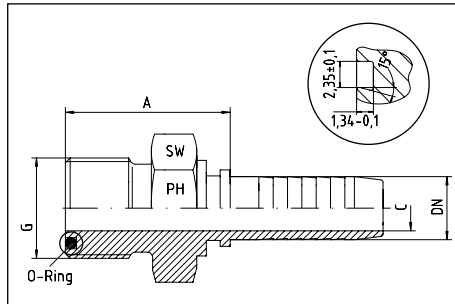
torsion-free



Schlauch Hose DN	DN Bore in.	ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D1	D2	C	
06	1/4"	15	10	4	STN 15-DN 06
10	3/8"	20	14	7	STN 20-DN 10
12	1/2"	24	18	9,5	STN 24-DN 12
16	5/8"	26	21	12,5	STN 26-DN 16
19	3/4"	29	24	14,5	STN 29-DN 19
25	1"	39	31	20	STN 39-DN 25

flachdichtend mit O-Ring Dichtung - NBR

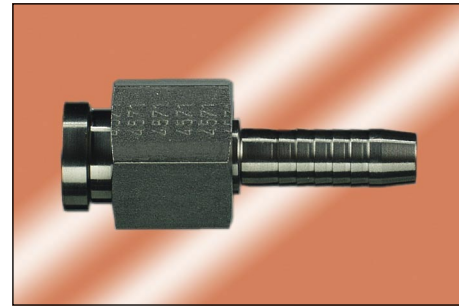
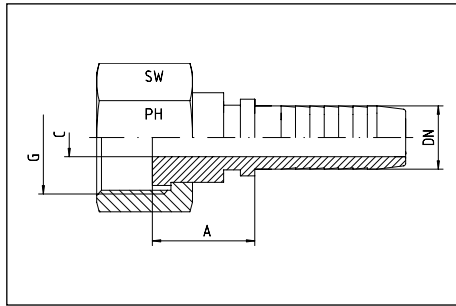
flatseal with O-ring seal - NBR



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			O-Ring O-ring	Bestellzeichen Order-Code
			A	C	SW		
06	1/4"	9/16"-18		4,0	17	7,65 x 1,78	MORFS 9/16"-DN 06
10	3/8"	11/16"-16		6,5	19	9,25 x 1,78	MORFS 11/16"-DN 10
12	1/2"	13/16"-16		9,5	22	12,42 x 1,78	MORFS 13/16"-DN 12
16	5/8"	1"-14		12,5	27	15,60 x 1,78	MORFS 1"-DN 16
19	3/4"	1. 3/16"-12		14,5	32	18,77 x 1,78	MORFS 1. 3/16"-DN 19
25	1"	1. 7/16"-12		20,0	41	23,52 x 1,78	MORFS 1. 7/16"-DN 25
31	1 1/4"	1. 11/16"-12		25,5	46	29,87 x 1,78	MORFS 1. 11/16"-DN 31
38	1 1/2"	2"-12		31,5	55	37,82 x 1,78	MORFS 2"-DN 38

flachdichtend
mit Überwurfmutter

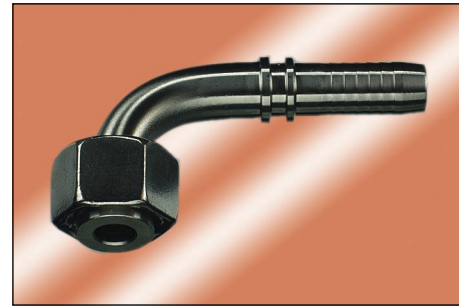
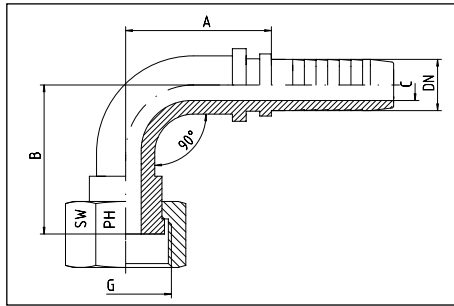
flatseal
with nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	9/16"-18	27,0	4,0	19	FORFS 9/16"-DN 06
06	1/4"	11/16"-16	27,0	4,0	22	FORFS 11/16"-DN 06
08	5/16"	11/16"-16		5,5	22	FORFS 11/16"-DN 08
10	3/8"	11/16"-16	29,5	7,0	22	FORFS 11/16"-DN 10
10	3/8"	13/16"-16	29,5	7,0	24	FORFS 13/16"-DN 10
12	1/2"	13/16"-16	29,5	9,5	24	FORFS 13/16"-DN 12
12	1/2"	1"-14		9,5	30	FORFS 1"-DN 12
12	1/2"	1. 3/16"-12		9,5	36	FORFS 1. 3/16"-DN 12
16	5/8"	1"-14		12,5	30	FORFS 1"-DN 16
16	5/8"	1. 3/16"-12		12,5	36	FORFS 1. 3/16"-DN 16
19	3/4"	1"-14		12,5	30	FORFS 1"-DN 19
19	3/4"	1. 3/16"-12		14,5	36	FORFS 1. 3/16"-DN 19
19	3/4"	1. 7/16"-23		14,5	41	FORFS 1. 7/16"-DN 19
25	1"	1. 7/16"-12		20,0	41	FORFS 1. 7/16"-DN 25
31	1 1/4"	1. 11/16"-12		25,5	50	FORFS 1. 11/16"-DN 31
38	1 1/2"	2"-12		31,5	60	FORFS 2"-DN 38

FORFS - 90°-Bogen
flachdichtend
mit Überwurfmutter

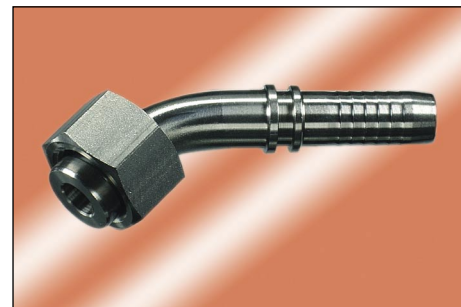
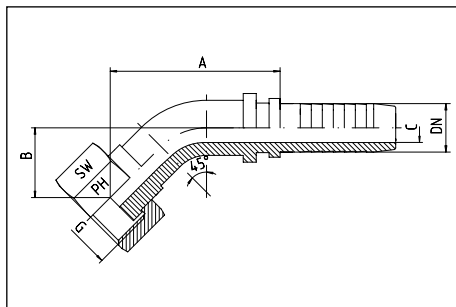
FORFS - 90°-elbow
flatseal
with nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				SW	Bestellzeichen Order-Code
			A	B	C			
06	1/4"	9/16"-18				19	FORFS 9/16"-90°-DN 06	
06	1/4"	11/16"-16				22	FORFS 11/16"-90°-DN 06	
08	5/16"	11/16"-16				22	FORFS 11/16"-90°-DN 08	
10	3/8"	11/16"-16				22	FORFS 11/16"-90°-DN 10	
10	3/8"	13/16"-16				24	FORFS 13/16"-90°-DN 10	
12	1/2"	13/16"-16				24	FORFS 13/16"-90°-DN 12	
12	1/2"	1"-14				30	FORFS 1"-90°-DN 12	
12	1/2"	1. 3/16"-12				36	FORFS 1. 3/16"-90°-DN 12	
16	5/8"	1"-14				30	FORFS 1"-90°-DN 16	
16	5/8"	1. 3/16"-12				36	FORFS 1. 3/16"-90°-DN 16	
19	3/4"	1"-14				30	FORFS 1"-90°-DN 19	
19	3/4"	1. 3/16"-12				36	FORFS 1. 3/16"-90°-DN 19	
19	3/4"	1. 7/16"-23				41	FORFS 1. 7/16"-90°-DN 19	
25	1"	1. 7/16"-12				41	FORFS 1. 7/16"-90°-DN 25	
31	1 1/4"	1. 11/16"-12				50	FORFS 1. 11/16"-90°-DN 31	
38	1 1/2"	2"-12				60	FORFS 2"-90°-DN 38	

FORFS - 45°-Bogen
flachdichtend
mit Überwurfmutter

FORFS - 45°-elbow
flatseal
with nut



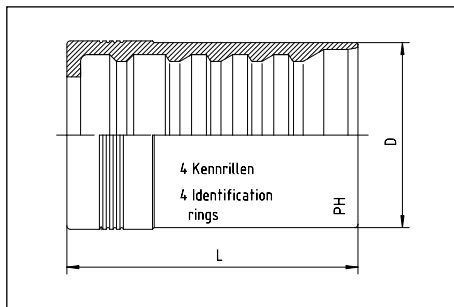
Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				SW	Bestellzeichen Order-Code
			A	B	C			
06	1/4"	9/16"-18				19	FORFS 9/16"-45°-DN 06	
06	1/4"	11/16"-16				22	FORFS 11/16"-45°-DN 06	
08	5/16"	11/16"-16				22	FORFS 11/16"-45°-DN 08	
10	3/8"	11/16"-16				22	FORFS 11/16"-45°-DN 10	
10	3/8"	13/16"-16				24	FORFS 13/16"-45°-DN 10	
12	1/2"	13/16"-16				24	FORFS 13/16"-45°-DN 12	
12	1/2"	1"-14				30	FORFS 1"-45°-DN 12	
12	1/2"	1. 3/16"-12				36	FORFS 1. 3/16"-45°-DN 12	
16	5/8"	1"-14				30	FORFS 1"-45°-DN 16	
16	5/8"	1. 3/16"-12				36	FORFS 1. 3/16"-45°-DN 16	
19	3/4"	1"-14				30	FORFS 1"-45°-DN 19	
19	3/4"	1. 3/16"-12				36	FORFS 1. 3/16"-45°-DN 19	
19	3/4"	1. 7/16"-23				41	FORFS 1. 7/16"-45°-DN 19	
25	1"	1. 7/16"-12				41	FORFS 1. 7/16"-45°-DN 25	
31	1 1/4"	1. 11/16"-12				50	FORFS 1. 11/16"-45°-DN 31	
38	1 1/2"	2"-12				60	FORFS 2"-45°-DN 38	

SCHLAUCHARMATUREN MIT AUSREISSICHERUNG - INTERLOCK SERIE HOSE COUPLINGS WITH WIRE TRAP AREA - INTERLOCK SERIES

INTERLOCK-FASSUNGEN	INTERLOCK-FERRULES	3.3
INTERLOCK-FASSUNGEN	INTERLOCK-FERRULES	3.4
INTERLOCK-ARMATUREN - SFL + SFS - FLANSCH - GERADE	INTERLOCK-FITTINGS - SFL + SFS - FLANGE - STRAIGHT	3.5
INTERLOCK-ARMATUREN - SFL + SFS - FLANSCH - 45°-BOGEN	INTERLOCK-FITTINGS - SFL + SFS - FLANGE - 45°-ELBOW	3.6
INTERLOCK-ARMATUREN - SFL + SFS - FLANSCH - 90°-BOGEN	INTERLOCK-FITTINGS - SFL + SFS - FLANGE - 90°-ELBOW	3.7
INTERLOCK-ARMATUREN - DKOS + DKOL	INTERLOCK-FITTINGS - DKOS + DKOL	3.8
INTERLOCK-ARMATUREN - DKOS - 45°+90°-BOGEN	INTERLOCK-FITTINGS - DKOS - 45°+90°-ELBOW	3.9
INTERLOCK-ARMATUREN - DKOL - 45°+90°-BOGEN	INTERLOCK-FITTINGS - DKOL - 45°+90°-ELBOW	3.10
INTERLOCK-ARMATUREN - JIC - 37° - NIPPEL - GERADE	INTERLOCK-FITTINGS - JIC - 37° - NIPPLES - STRAIGHT	3.11
INTERLOCK-ARMATUREN - JIC - 37° - NIPPEL - 45°+90°-BOGEN	INTERLOCK-FITTINGS - JIC - 37° - NIPPLES - 45°+90°-ELBOW	3.12
INTERLOCK-ARMATUREN - DKOR - 60° - NIPPEL - GERADE	INTERLOCK-FITTINGS - DKOR - 60° - NIPPLES - STRAIGHT	3.13
INTERLOCK-ARMATUREN - DKOR - 60° - NIPPEL - 45°+90°-BOGEN	INTERLOCK-FITTINGS - DKOR - 60° - NIPPLES - 45°+90°-ELBOW	3.14
INTERLOCK-ARMATUREN - CES - NIPPEL - 24°-KONUS	INTERLOCK-FITTINGS - CES - MALE NIPPLES - 24°-CONE	3.15
INTERLOCK-AUßENGEWINDE-NIPPEL - AGR - 60°-KONUS	INTERLOCK-MALE-NIPPLES - AGR - 60°-CONE	3.15
INTERLOCK-ARMATUREN - JIC - AUßENGEWINDE-NIPPEL - 74°-KONUS	INTERLOCK-FITTINGS - JIC - MALE NIPPLES - 74°-CONE	3.16
INTERLOCK-NPT-AUßEN-GEWINDE - AGN - NIPPEL	INTERLOCK-NPT-MALE - AGN - NIPPLES	3.16

mit Ausreißsicherung - schwere Reihe
Interlock-Serie

außen und innen schälen



Zu verwenden für Nippel Seite 3.5 - 3.16

with wire trap area - heavy series
Interlock-series

external and internal skive

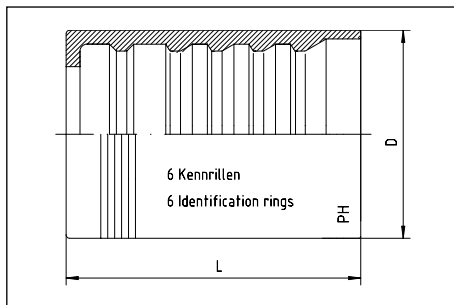


To use for nipples page 3.5 - 3.16

Schlauch Hose DN	DN Bore in.	D	L	für Schlauchtyp for hose type	Bestellzeichen Order-Code
19	3/4"	38	56	4 SP + 4 SH	P4-I-DN 19
25	1"	46	75	4 SP + 4 SH + R 12	P4-I-DN 25
31	1 1/4"	55	85	4 SH	P4-I-DN 31
38	1 1/2"	64	100	4 SH	P4-I-DN 38
51	2"	78	103	4 SH	P4-I-DN 51

mit Ausreißsicherung - schwere Reihe
Interlock-Serie

außen und innen schälen



Zu verwenden für Nippel Seite 3.5 - 3.16

with wire trap area - heavy series
Interlock-series

external and internal skive

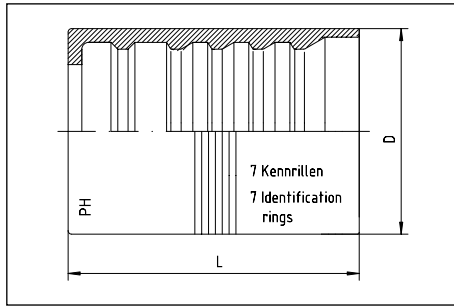


To use for nipples page 3.5 - 3.16

Schlauch Hose DN	DN Bore in.	D	L	für Schlauchtyp for hose type	Bestellzeichen Order-Code
19	3/4"	38,0	56	R 13	P6-I-DN 19
25	1"	46,0	75	R 13	P6-I-DN 25
31	1 1/4"	60,0	85	R 13	P6-I-DN 31
38	1 1/2"	70,0	100	R 13	P6-I-DN 38
51	2"	84,5	103	R 13	P6-I-DN 51

mit Ausreißsicherung - schwere Reihe
Interlock-Serie

außen und innen schälen



Zu verwenden für Nippel Seite 3.5 - 3.16

with wire trap area - heavy series
Interlock-series

external and internal skive

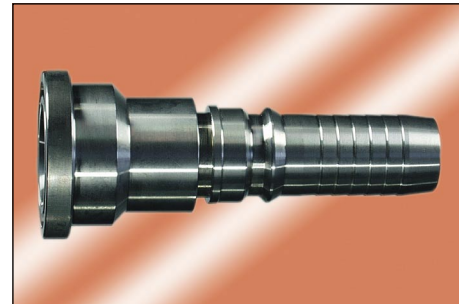
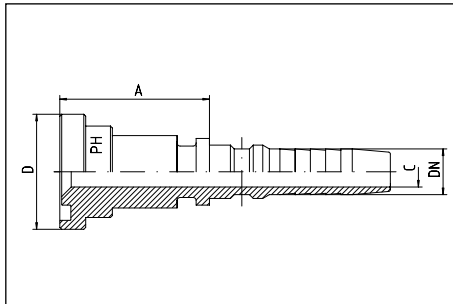


To use for nipples page 3.5 - 3.16

Schlauch Hose DN	DN Bore in.	D	L	für Schlauchtyp for hose type	Bestellzeichen Order-Code
19	3/4"	38	56	R 15	P7-I-DN 19
25	1"	46	71	R 15	P7-I-DN 25
31	1 1/4"	60	85	R 15	P7-I-DN 31
38	1 1/2"	70	100	R 15	P7-I-DN 38

mit Ausreißsicherung - schwere Reihe
 Interlock-Serie
 SAE-ISO-Flansch
 SFL 3 = 3000 PSI - gerade
 SFS 6 = 6000 PSI - gerade

with wire trap area - heavy series
 Interlock-series
 SAE-ISO-flange
 SFL 3 = 3000 PSI - straight
 SFS 6 = 6000 PSI - straight

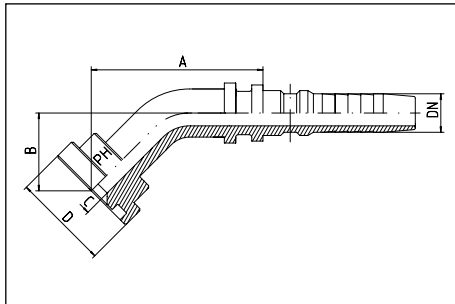


Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions		Bestellzeichen Order-Code
		D	in.	A	C	
19	3/4"	38,1	3/4"	41,0	14,5	I-SFL3-3/4"-DN 19
19	3/4"	44,5	1"	44,5	14,5	I-SFL3-1"-DN 19
25	1"	44,5	1"	52,5	20,0	I-SFL3-1"-DN 25
25	1"	50,8	1 1/4"	53,0	20,0	I-SFL3-1 1/4"-DN 25
31	1 1/4"	50,8	1 1/4"	53,0	25,0	I-SFL3-1 1/4"-DN 31
31	1 1/4"	60,3	1 1/2"	50,5	25,0	I-SFL3-1 1/2"-DN 31
38	1 1/2"	60,3	1 1/2"	77,5	31,5	I-SFL3-1 1/2"-DN 38
38	1 1/2"	71,4	2"	72,0	31,5	I-SFL3-2"-DN 38
51	2"	71,4	2"	72,0	42,0	I-SFL3-2"-DN 51
19	3/4"	41,3	3/4"	52,0	14,5	I-SFS6-3/4"-DN 19
19	3/4"	47,6	1"	44,5	14,5	I-SFS6-1"-DN 19
25	1"	47,6	1"	64,0	20,0	I-SFS6-1"-DN 25
25	1"	54,0	1 1/4"	54,5	20,0	I-SFS6-1 1/4"-DN 25
31	1 1/4"	54,0	1 1/4"	75,0	25,0	I-SFS6-1 1/4"-DN 31
31	1 1/4"	63,5	1 1/2"	75,5	25,0	I-SFS6-1 1/2"-DN 31
38	1 1/2"	63,5	1 1/2"	103,0	31,5	I-SFS6-1 1/2"-DN 38
38	1 1/2"	79,4	2"	75,0	31,5	I-SFS6-2"-DN 38
51	2"	79,4	2"	85,0	42,0	I-SFS6-2"-DN 51

andere Größen auf Anfrage
 other sizes on request

mit Ausreißsicherung - schwere Reihe
 Interlock-Serie
 SAE-ISO-Flansch
 SFL 3 = 3000 PSI - 45°-Bogen
 SFS 6 = 6000 PSI - 45°-Bogen

with wire trap area - heavy series
 Interlock-series
 SAE-ISO-flange
 SFL 3 = 3000 PSI - 45°-elbow
 SFS 6 = 6000 PSI - 45°-elbow

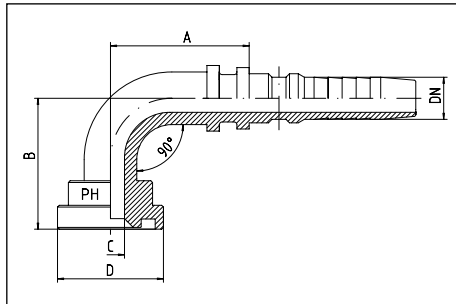


Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	in.	A	B	C	
19	3/4"	38,1	3/4"	87,0	38,0	14,5	I-SFL3-3/4"-45°-DN 19
19	3/4"	44,5	1"	89,0	39,5	14,5	I-SFL3-1"-45°-DN 19
25	1"	44,5	1"	92,0	39,0	20,0	I-SFL3-1"-45°-DN 25
25	1"	50,8	1 1/4"	117,0	44,0	20,0	I-SFL3-1 1/4"-45°-DN 25
31	1 1/4"	50,8	1 1/4"	110,0	45,0	25,0	I-SFL3-1 1/4"-45°-DN 31
31	1 1/4"	60,3	1 1/2"	137,0	46,0	25,0	I-SFL3-1 1/2"-45°-DN 31
38	1 1/2"	60,3	1 1/2"	133,0	49,0	31,0	I-SFL3-1 1/2"-45°-DN 38
38	1 1/2"	71,4	2"	141,5	60,0	31,0	I-SFL3-2"-45°-DN 38
51	2"	71,4	2"	155,0	65,0	41,0	I-SFL3-2"-45°-DN 51
19	3/4"	41,3	3/4"	88,0	38,0	14,5	I-SFS6-3/4"-45°-DN 19
19	3/4"	47,6	1"	90,0	40,0	14,5	I-SFS6-1"-45°-DN 19
25	1"	47,6	1"	92,0	40,0	20,0	I-SFS6-1"-45°-DN 25
25	1"	54,0	1 1/4"	120,0	44,0	20,0	I-SFS6-1 1/4"-45°-DN 25
31	1 1/4"	54,0	1 1/4"	110,0	46,0	25,0	I-SFS6-1 1/4"-45°-DN 31
31	1 1/4"	63,5	1 1/2"	137,0	48,0	25,0	I-SFS6-1 1/2"-45°-DN 31
38	1 1/2"	63,5	1 1/2"	133,0	48,0	31,0	I-SFS6-1 1/2"-45°-DN 38
38	1 1/2"	79,4	2"	143,0	65,0	31,0	I-SFS6-2"-45°-DN 38
51	2"	79,4	2"	155,0	65,0	41,0	I-SFS6-2"-45°-DN 51

andere Größen auf Anfrage
 other sizes on request

mit Ausreißsicherung - schwere Reihe
 Interlock-Serie
 SAE-ISO-Flansch
 SFL 3 = 3000 PSI - 90°-Bogen
 SFS 6 = 6000 PSI - 90°-Bogen

with wire trap area - heavy series
 Interlock-series
 SAE-ISO-flange
 SFL 3 = 3000 PSI - 90°-elbow
 SFS 6 = 6000 PSI - 90°-elbow

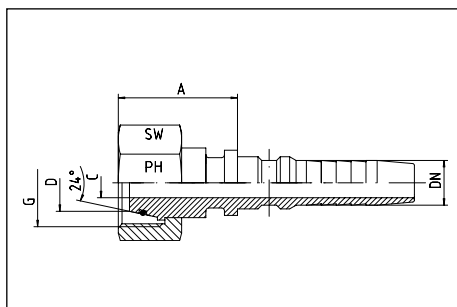


Schlauch Hose DN	DN Bore in.	Flanschgröße Flange dimensions		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	in.	A	B	C	
19	3/4"	38,1	3/4"	74,5	71,0	14,5	I-SFL3-3/4"-90°-DN 19
19	3/4"	44,5	1"	77,0	71,0	14,5	I-SFL3-1"-90°-DN 19
25	1"	44,5	1"	82,0	75,0	20,0	I-SFL3-1"-90°-DN 25
25	1"	50,8	1 1/4"	105,0	88,0	20,0	I-SFL3-1 1/4"-90°-DN 25
31	1 1/4"	50,8	1 1/4"	102,0	91,5	25,0	I-SFL3-1 1/4"-90°-DN 31
31	1 1/4"	60,3	1 1/2"	123,0	95,0	25,0	I-SFL3-1 1/2"-90°-DN 31
38	1 1/2"	60,3	1 1/2"	122,5	105,0	31,0	I-SFL3-1 1/2"-90°-DN 38
38	1 1/2"	71,4	2"	124,0	121,0	31,0	I-SFL3-2"-90°-DN 38
51	2"	71,4	2"	144,0	137,0	41,0	I-SFL3-2"-90°-DN 51
19	3/4"	41,3	3/4"	74,5	71,0	14,5	I-SFS6-3/4"-90°-DN 19
19	3/4"	47,6	1"	77,0	72,0	14,5	I-SFS6-1"-90°-DN 19
25	1"	47,6	1"	82,0	77,0	20,0	I-SFS6-1"-90°-DN 25
25	1"	54,0	1 1/4"	108,0	90,0	20,0	I-SFS6-1 1/4"-90°-DN 25
31	1 1/4"	54,0	1 1/4"	102,0	93,5	25,0	I-SFS6-1 1/4"-90°-DN 31
31	1 1/4"	63,5	1 1/2"	124,0	96,0	25,0	I-SFS6-1 1/2"-90°-DN 31
38	1 1/2"	63,5	1 1/2"	122,5	107,0	31,0	I-SFS6-1 1/2"-90°-DN 38
38	1 1/2"	79,4	2"	124,0	121,5	31,0	I-SFS6-2"-90°-DN 38
51	2"	79,4	2"	144,0	142,0	41,0	I-SFS6-2"-90°-DN 51

andere Größen auf Anfrage
 other sizes on request

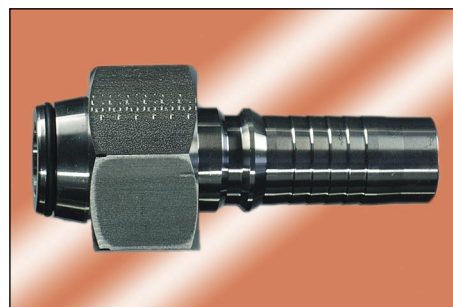
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

DKOS - gerade - 24°-Konus



with wire trap area - heavy series
Interlock-series

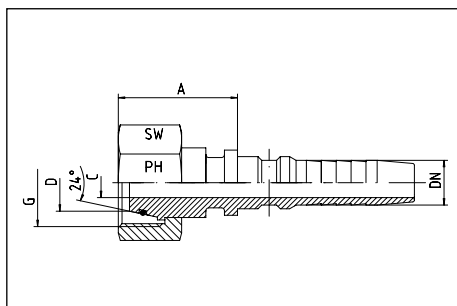
DKOS - straight - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
19	3/4"	M 30 x 2	20	34,5	14,0	36	I-DKOS 20-DN 19
19	3/4"	M 36 x 2	25	41,0	14,5	46	I-DKOS 25-DN 19
25	1"	M 36 x 2	25	38,5	19,0	46	I-DKOS 25-DN 25
25	1"	M 42 x 2	30	43,5	20,0	50	I-DKOS 30-DN 25
31	1 1/4"	M 52 x 2	38	48,5	25,0	60	I-DKOS 38-DN 31
38	1 1/2"	M 68 x 2	50	51,5	31,5	80	I-DKOS 50-DN 38

mit Ausreißsicherung
Interlock-Serie

DKOL - gerade - 24°-Konus



with wire trap area
Interlock-series

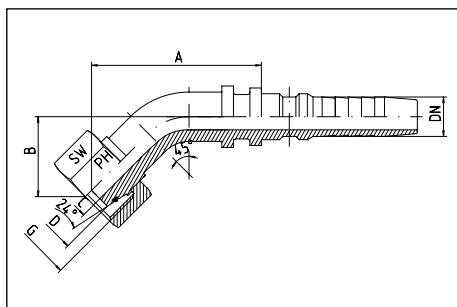
DKOL - straight - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
19	3/4"	M 30 x 2	22	38,5	14,0	36	I-DKOL 22-DN 19
25	1"	M 36 x 2	28	38,0	19,0	41	I-DKOL 28-DN 25
31	1 1/4"	M 45 x 2	35	42,0	25,0	50	I-DKOL 35-DN 31
38	1 1/2"	M 52 x 2	42	41,0	31,5	60	I-DKOL 42-DN 38

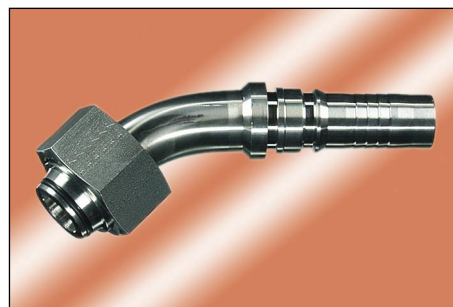
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

DKOS - 45°-Bogen - 24°-Konus



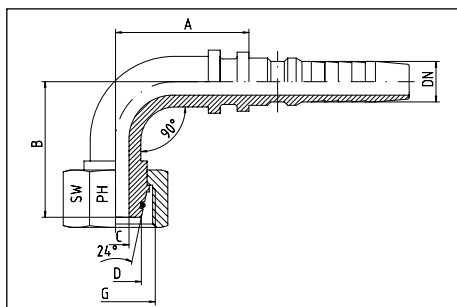
with wire trap area - heavy series
Interlock-series

DKOS - 45°-elbow - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW	
19	3/4"	M 30 x 2	20	100	45	14,5	36	I-DKOS 20-45°-DN 19
19	3/4"	M 36 x 2	25	90	40	14,5	46	I-DKOS 25-45°-DN 19
25	1"	M 36 x 2	25	103	52	20,0	46	I-DKOS 25-45°-DN 25
25	1"	M 42 x 2	30	97	43	20,0	50	I-DKOS 30-45°-DN 25
31	1 1/4"	M 52 x 2	38	117	52	25,0	60	I-DKOS 38-45°-DN 31
38	1 1/2"	M 68 x 2	50			31,0	80	I-DKOS 50-45°-DN 38

DKOS - 90°-Bogen - 24°-Konus



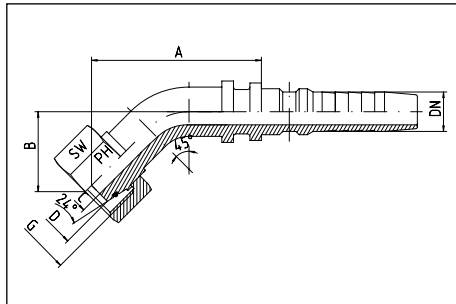
DKOS - 90°-elbow - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW	
19	3/4"	M 30 x 2	20	78,5	83,0	14,5	36	I-DKOS 20-90°-DN 19
19	3/4"	M 36 x 2	25	75,0	76,0	14,5	46	I-DKOS 25-90°-DN 19
25	1"	M 36 x 2	25	84,0	95,5	20,0	46	I-DKOS 25-90°-DN 25
25	1"	M 42 x 2	30	84,0	83,0	20,0	50	I-DKOS 30-90°-DN 25
31	1 1/4"	M 52 x 2	38	103,0	101,0	25,0	60	I-DKOS 38-90°-DN 31
38	1 1/2"	M 68 x 2	50			31,0	80	I-DKOS 50-90°-DN 38

mit Ausreißsicherung
Interlock-Serie

DKOL - 45°-Bogen - 24°-Konus



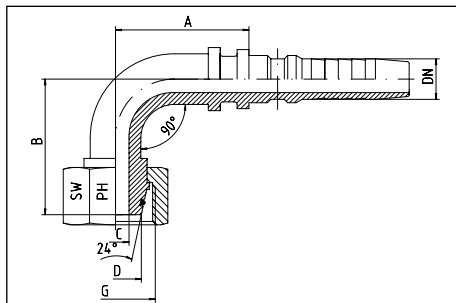
with wire trap area
Interlock-series

DKOL - 45°-elbow - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW	
19	3/4"	M 30 x 2	22			14,5	36	I-DKOL 22-45°-DN 19
25	1"	M 36 x 2	28			19,0	41	I-DKOL 28-45°-DN 25
31	1 1/4"	M 45 x 2	35	120	50	25,0	50	I-DKOL 35-45°-DN 31
38	1 1/2"	M 52 x 2	42	140	61	31,0	60	I-DKOL 42-45°-DN 38

DKOL - 90°-Bogen - 24°-Konus



DKOL - 90°-elbow - 24°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW	
19	3/4"	M 30 x 2	22			14,5	36	I-DKOL 22-90°-DN 19
25	1"	M 36 x 2	28			19,0	41	I-DKOL 28-90°-DN 25
31	1 1/4"	M 45 x 2	35	103	98	25,0	50	I-DKOL 35-90°-DN 31
38	1 1/2"	M 52 x 2	42	124	117	31,0	60	I-DKOL 42-90°-DN 38

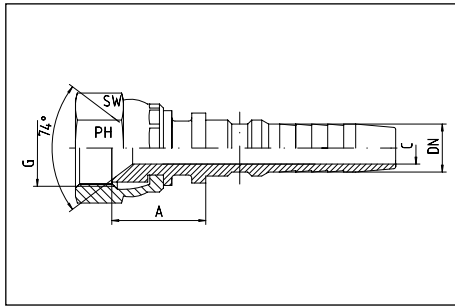
INTERLOCK-ARMATUREN



INTERLOCK-FITTINGS

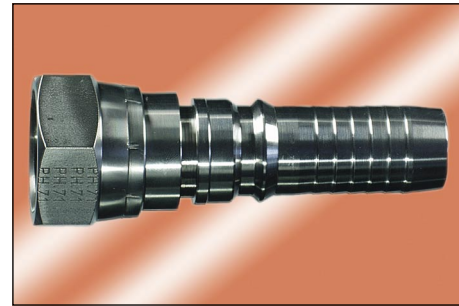
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

JIC - 37° - Nippel für 74°-Konusaufnahme
mit Überwurfmutter - gerade



with wire trap area - heavy series
Interlock-series

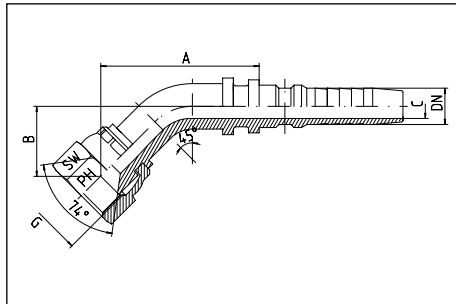
JIC - 37° - female nipples for connectors
with 74°-cone - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UN	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
19	3/4"	1 1/16"-12	35,0	14,5	32	I-DKJ 1 1/16"-DN 19
19	3/4"	1 5/16"-12	34,0	14,5	41	I-DKJ 1 5/16"-DN 19
25	1"	1 5/16"-12	34,0	20,0	41	I-DKJ 1 5/16"-DN 25
25	1"	1 5/8"-12				I-DKJ 1 5/8"-DN 25
31	1 1/4"	1 5/8"-12	37,0	25,0	50	I-DKJ 1 5/8"-DN 31
31	1 1/4"	1 7/8"-12				I-DKJ 1 7/8"-DN 31
38	1 1/2"	1 7/8"-12	41,5	31,5	60	I-DKJ 1 7/8"-DN 38
38	1 1/2"	2 1/2"-12				I-DKJ 2 1/2"-DN 38
51	2"	2 1/2"-12	67,5	42,0	70	I-DKJ 2 1/2"-DN 51

mit Ausreißsicherung - schwere Reihe
Interlock-Serie

JIC - 37° - Nippel für 74°-Konusaufnahme
mit Überwurfmutter - 45°-Bogen



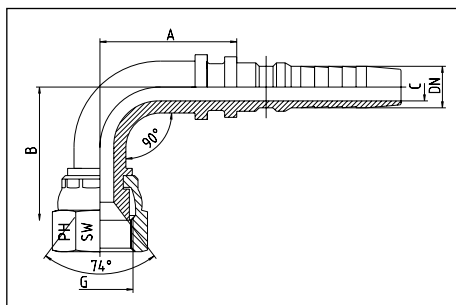
with wire trap area - heavy series
Interlock-series

JIC - 37° - female nipples for connectors
with 74°-cone - 45°-elbow

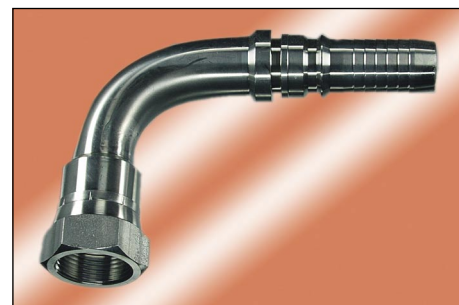


Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
19	3/4"	1 1/16"-12	93,0	37,5	14,5	32	I-DKJ 1 1/16"-45°-DN 19
19	3/4"	1 5/16"-12					I-DKJ 1 5/16"-45°-DN 19
25	1"	1 5/16"-12	101,0	47,0	20,0	41	I-DKJ 1 5/16"-45°-DN 25
25	1"	1 5/8"-12					I-DKJ 1 5/8"-45°-DN 25
31	1 1/4"	1 5/8"-12	116,5	49,0	25,0	50	I-DKJ 1 5/8"-45°-DN 31
31	1 1/4"	1 7/8"-12					I-DKJ 1 7/8"-45°-DN 31
38	1 1/2"	1 7/8"-12	130,0	50,0	31,0	60	I-DKJ 1 7/8"-45°-DN 38
38	1 1/2"	2 1/2"-12					I-DKJ 2 1/2"-45°-DN 38
51	2"	2 1/2"-12	166,5	78,0	41,0	70	I-DKJ 2 1/2"-45°-DN 51

JIC - 37° - Nippel für 74°-Konusaufnahme
mit Überwurfmutter - 90°-Bogen



JIC - 37° - female nipples for connectors
with 74°-cone - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
19	3/4"	1 1/16"-12	79	72,0	14,5	32	I-DKJ 1 1/16"-90°-DN 19
19	3/4"	1 5/16"-12					I-DKJ 1 5/16"-90°-DN 19
25	1"	1 5/16"-12	85	86,0	20,0	41	I-DKJ 1 5/16"-90°-DN 25
25	1"	1 5/8"-12					I-DKJ 1 5/8"-90°-DN 25
31	1 1/4"	1 5/8"-12	103	96,0	25,0	50	I-DKJ 1 5/8"-90°-DN 31
31	1 1/4"	1 7/8"-12					I-DKJ 1 7/8"-90°-DN 31
38	1 1/2"	1 7/8"-12	122	107,0	31,0	60	I-DKJ 1 7/8"-90°-DN 38
38	1 1/2"	2 1/2"-12					I-DKJ 2 1/2"-90°-DN 38
51	2"	2 1/2"-12	145	151,5	41,0	70	I-DKJ 2 1/2"-90°-DN 51

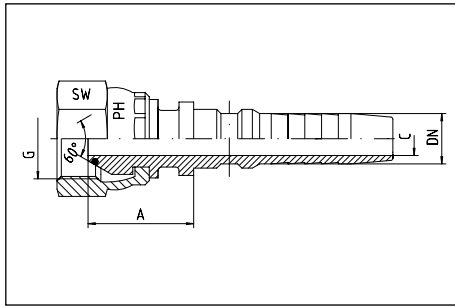
INTERLOCK-ARMATUREN



INTERLOCK-FITTINGS

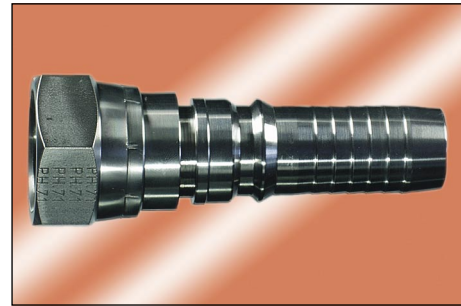
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

DKOR mit O-Ring und Überwurfmutter
BSP-Gewinde für Gegenanschluß mit 60°-Konus - gerade



with wire trap area - heavy series
Interlock-series

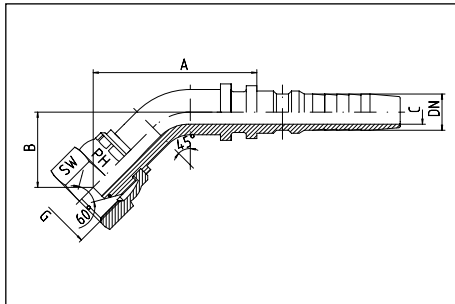
DKOR with O-ring and BSP union nut
for connectors with 60°-flare - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
19	3/4"	3/4"-14	32	14,5	32	I-DKOR 3/4"-DN 19
25	1"	1"-11	39	20,0	41	I-DKOR 1"-DN 25
31	1 1/4"	1 1/4"-11	42	25,0	50	I-DKOR 1 1/4"-DN 31
38	1 1/2"	1 1/2"-11	40	31,5	60	I-DKOR 1 1/2"-DN 38
51	2"	2"-11	39	42,0	70	I-DKOR 2"-DN 51

mit Ausreißsicherung - schwere Reihe
Interlock-Serie

DKOR mit O-Ring und Überwurfmutter
BSP-Gewinde für Gegenanschluß mit 60°-Konus - 45°-Bogen



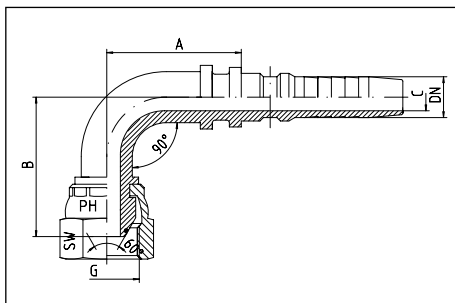
with wire trap area - heavy series
Interlock-series

DKOR with O-ring and BSP union nut
for connectors with 60°-flare - 45°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
19	3/4"	3/4"-14	90	39	14,5	32	I-DKOR 3/4"-45°-DN 19
25	1"	1"-11	97	46	20,0	41	I-DKOR 1"-45°-DN 25
31	1 1/4"	1 1/4"-11	117	52	25,0	50	I-DKOR 1 1/4"-45°-DN 31
38	1 1/2"	1 1/2"-11	134	49	31,0	60	I-DKOR 1 1/2"-45°-DN 38
51	2"	2"-11	170	81	41,0	70	I-DKOR 2"-45°-DN 51

DKOR mit O-Ring und Überwurfmutter
BSP-Gewinde für Gegenanschluß mit 60°-Konus - 90°-Bogen



DKOR with O-ring and BSP union nut
for connectors with 60°-flare - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
19	3/4"	3/4"-14	77	75	14,5	32	I-DKOR 3/4"-90°-DN 19
25	1"	1"-11	83	85	20,0	41	I-DKOR 1"-90°-DN 25
31	1 1/4"	1 1/4"-11	103	100	25,0	50	I-DKOR 1 1/4"-90°-DN 31
38	1 1/2"	1 1/2"-11	118	110	31,0	60	I-DKOR 1 1/2"-90°-DN 38
51	2"	2"-11	146	152	41,0	70	I-DKOR 2"-90°-DN 51

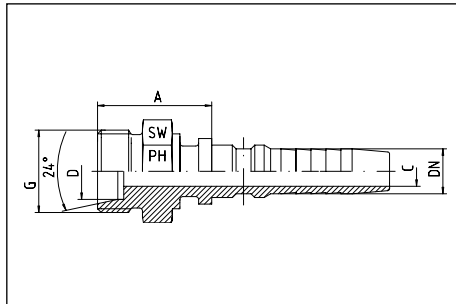
INTERLOCK-ARMATUREN



INTERLOCK-FITTINGS

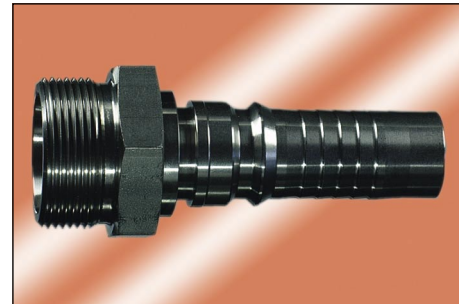
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

CES mit 24°-Konus für Schneidringverschraubung DIN 2353
/ DIN EN ISO 8434-1



with wire trap area - heavy series
Interlock-series

CES with 24°-cone for compression couplings DIN 2353 /
DIN EN ISO 8434-1

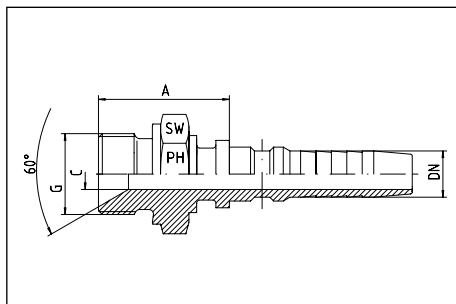


Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A. D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
19	3/4"	M 30 x 2	20		14,5	32	I-CES 20-DN 19
19	3/4"	M 36 x 2	25	36,0	14,5	36	I-CES 25-DN 19
25	1"	M 36 x 2	25		20,0	36	I-CES 25-DN 25
25	1"	M 42 x 2	30	40,0	20,0	46	I-CES 30-DN 25
31	1 1/4"	M 52 x 2	38	44,5	25,0	55	I-CES 38-DN 31

INTERLOCK-AUßENGEWINDE- NIPPEL

mit 60°-Innenkonus
und angedrehter Dichtkante Form B

Gewinde: BSP - zylindrisch



INTERLOCK-MALE- NIPPLES

with 60°-cone
and sealing shoulder form B

Thread: BSP - parallel



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
19	3/4"	3/4"-14			32	I-AGR 3/4"-DN 19
19	3/4"	1"-11			41	I-AGR 1"-DN 19
25	1"	1"-11	48,5	20,0	41	I-AGR 1"-DN 25
31	1 1/4"	1 1/4"-11	44,0	25,0	50	I-AGR 1 1/4"-DN 31
38	1 1/2"	1 1/2"-11	54,0	31,5	55	I-AGR 1 1/2"-DN 38
51	2"	2"-11	52,5	42,0	70	I-AGR 2"-DN 51

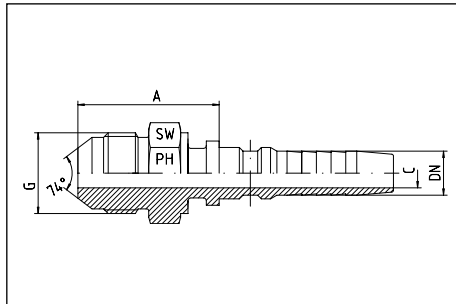
INTERLOCK-ARMATUREN



INTERLOCK-FITTINGS

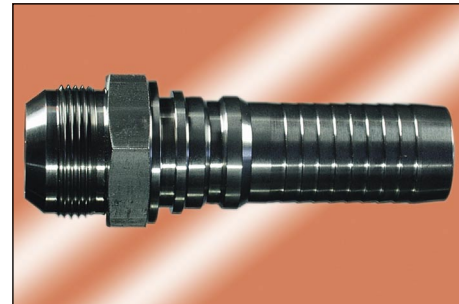
mit Ausreißsicherung - schwere Reihe
Interlock-Serie

JIC-Außengewinde - 74°-Konus



with wire trap area - heavy series
Interlock-series

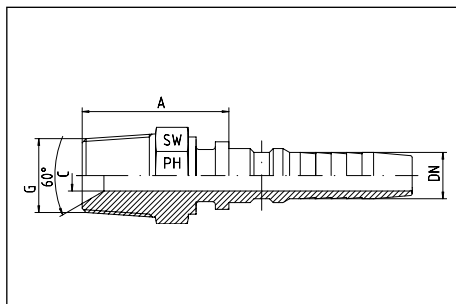
JIC-male - 74°-cone



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UN	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
19	3/4"	1 1/16"-12				I-AGJ 1 1/16"-DN 19
25	1"	1 5/16"-12				I-AGJ 1 5/16"-DN 25
31	1 1/4"	1 5/8"-12	48	25	46	I-AGJ 1 5/8"-DN 31
38	1 1/2"	1 7/8"-12				I-AGJ 1 7/8"-DN 38
51	2"	2 1/2"-12				I-AGJ 2 1/2"-DN 51

INTERLOCK-NPT-AUßEN-GEWINDE

mit 60°-Konusaufnahme
Interlock-Serie



INTERLOCK-NPT-MALE

with 60°-cone
Interlock-series



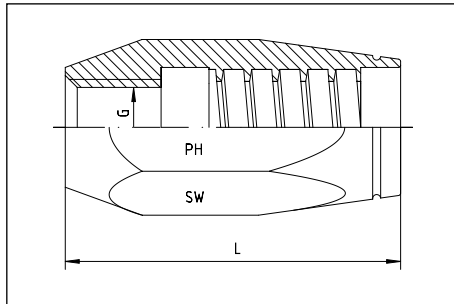
Schlauch Hose DN	DN Bore in.	Gewinde Thread G = NPT	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
19	3/4"	3/4"-14	41,0	14,5	30	I-AGN 3/4"-DN 19
19	3/4"	1"-11,5		14,5	36	I-AGN 1"-DN 19
25	1"	1"-11,5	65,5	20,0	36	I-AGN 1"-DN 25
31	1 1/4"	1 1/4"-11,5	53,0	25,0	46	I-AGN 1 1/4"-DN 31
38	1 1/2"	1 1/2"-11,5	60,5	31,0	50	I-AGN 1 1/2"-DN 38
51	2"	2"-11,5	53,0	42,0	65	I-AGN 2"-DN 51

SCHLAUCHARMATUREN - SCHRAUBAUSFÜHRUNG SCREW-HOSE COUPLINGS

SCHRAUBARMATUREN - FASSUNGEN	REUSABLE FITTINGS - FERRULES	4.3
SCHRAUBARMATUREN - BEL + BES - NIPPEL - GERADE	REUSABLE FITTINGS - BEL + BES - NIPPLES - STRAIGHT	4.4
SCHRAUBARMATUREN - BEL + BES - NIPPEL - 45°-BOGEN	REUSABLE FITTINGS - BEL + BES - NIPPLES - 45°-ELBOW	4.5
SCHRAUBARMATUREN - BEL + BES - NIPPEL - 90°-BOGEN	REUSABLE FITTINGS - BEL + BES - NIPPLES - 90°-ELBOW	4.6
SCHRAUBARMATUREN - DKR - GERADE	REUSABLE FITTINGS - DKR - STRAIGHT	4.7
SCHRAUBARMATUREN - DKR - 45°+90°-BOGEN	REUSABLE FITTINGS - DKR - 45°+90°-ELBOW	4.8
SCHRAUBARMATUREN - DKOL + DKOS - GERADE	REUSABLE FITTINGS - DKOL + DKOS - STRAIGHT	4.9
SCHRAUBARMATUREN - DKOL + DKOS - 45°-BOGEN	REUSABLE FITTINGS - DKOL + DKOS - 45°-ELBOW	4.10
SCHRAUBARMATUREN - DKOL + DKOS - 90°-BOGEN	REUSABLE FITTINGS - DKOL + DKOS - 90°-ELBOW	4.11
SCHRAUBARMATUREN - CEL + CES - NIPPEL - 24°-KONUS	REUSABLE FITTINGS - CEL + CES - NIPPLES - 24°-CONE	4.12
SCHRAUBARMATUREN - BSP-AUßENGEWINDE-NIPPEL - 60°-KONUS	REUSABLE FITTINGS - BSP - MALE NIPPLES - 60°-CONE	4.13
SCHRAUBARMATUREN - AGR-K + AGN-NIPPEL	REUSABLE FITTINGS - BSP TAPER + NPT NIPPLES	4.14
JIC - 37° - SCHRAUBNIPPEL	JIC - 37° - REUSABLE FITTINGS	4.15

SR-P1 - nicht schälen

SR-P1 - non skive



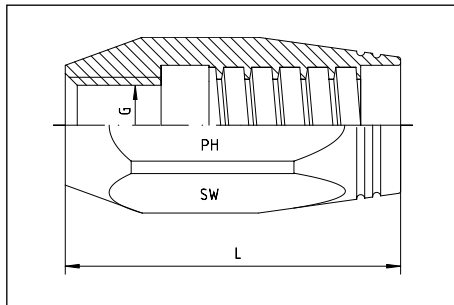
Zu verwenden für Nippel Seite 4.4 - 4.15

To use for nipples page 4.4 - 4.15

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	L	SW	für Schlauchtyp for hose type	Bestellzeichen Order-Code
06	1/4"	7/16"-20 UNF	42,0	19	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 06
08	5/16"	1/2"-20 UNF	42,0	19	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 08
10	3/8"	9/16"-18 UNF	49,5	24	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 10
12	1/2"	5/8"-18 UNF	51,0	27	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 12
16	5/8"	3/4"-18 UNS	54,0	30	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 16
19	3/4"	7/8"-18 UNS	62,0	36	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 19
25	1"	1 3/16"-16 UN	74,0	41	2 TE, 1 SN, R1AT, Compact 2 SC	SR-P1-DN 25

SR-P2 - nicht schälen

SR-P2 - non skive



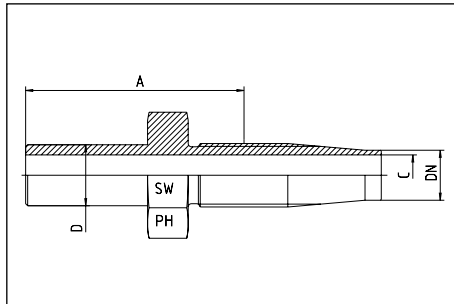
Zu verwenden für Nippel Seite 4.4 - 4.15

To use for nipples page 4.4 - 4.15

Schlauch Hose DN	DN Bore in.	Gewinde Thread G	L	SW	für Schlauchtyp for hose type	Bestellzeichen Order-Code
06	1/4"	7/16"-20 UNF	42,0	22	3 TE, 2 SN, R2AT	SR-P2-DN 06
08	5/16"	1/2"-20 UNF	42,0	22	3 TE, 2 SN, R2AT	SR-P2-DN 08
10	3/8"	9/16"-18 UNF	49,5	24	3 TE, 2 SN, R2AT	SR-P2-DN 10
12	1/2"	5/8"-18 UNF	51,0	27	3 TE, 2 SN, R2AT	SR-P2-DN 12
16	5/8"	3/4"-18 UNS	57,0	32	3 TE, 2 SN, R2AT	SR-P2-DN 16
19	3/4"	7/8"-18 UNS	62,0	36	3 TE, 2 SN, R2AT	SR-P2-DN 19
25	1"	1 3/16"-16 UN	74,0	46	3 TE, 2 SN, R2AT	SR-P2-DN 25

BEL-Nippel - gerade
 BES-Nippel - gerade

BEL-nipples - straight
 BES-nipples - straight



Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	6	41,0	4,0	12	SR-BEL 06-DN 06
06	1/4"	8	43,0	4,0	12	SR-BEL 08-DN 06
08	5/16"	10	48,0	6,0	14	SR-BEL 10-DN 08
10	3/8"	10	47,8	7,0	17	SR-BEL 10-DN 10
10	3/8"	12	47,8	7,5	17	SR-BEL 12-DN 10
12	1/2"	15	46,7	10,0	19	SR-BEL 15-DN 12
16	5/8"	18	49,5	13,0	22	SR-BEL 18-DN 16
19	3/4"	22	54,1	15,5	24	SR-BEL 22-DN 19
25	1"	28	59,1	21,5	36	SR-BEL 28-DN 25
06	1/4"	6	41,0	4,0	12	SR-BES 06-DN 06
06	1/4"	8	43,0	4,0	12	SR-BES 08-DN 06
06	1/4"	10	45,0	4,0	12	SR-BES 10-DN 06
08	5/16"	12	47,8	6,0	14	SR-BES 12-DN 08
10	3/8"	14	50,8	7,5	17	SR-BES 14-DN 10
12	1/2"	16	52,1	10,0	19	SR-BES 16-DN 12
16	5/8"	20	59,5	13,0	22	SR-BES 20-DN 16
19	3/4"	25	66,0	15,5	27	SR-BES 25-DN 19
25	1"	30				SR-BES 30-DN 25

Hinweise zur Montage:

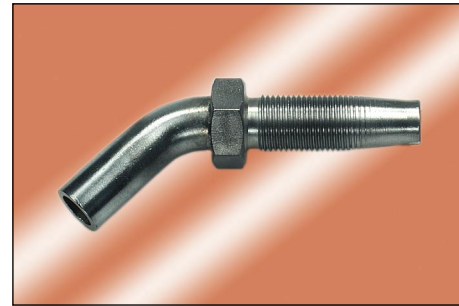
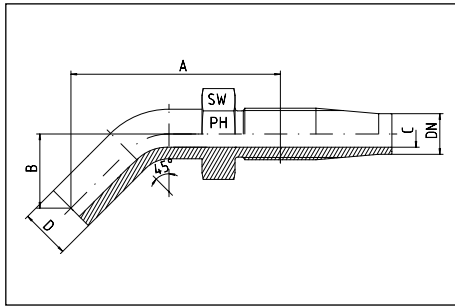
Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
 (lubricants page 12.4)

BEL-Nippel - 45°-Bogen
 BES-Nippel - 45°-Bogen

BEL-nipples - 45°-elbow
 BES-nipples - 45°-elbow



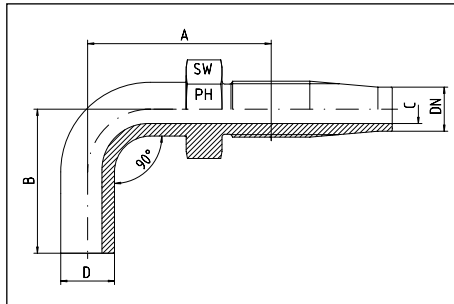
Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	6			4,0	12	SR-BEL 06-45°-DN 06
06	1/4"	8			4,0	12	SR-BEL 08-45°-DN 06
08	5/16"	10			6,0	14	SR-BEL 10-45°-DN 08
10	3/8"	12			7,5	17	SR-BEL 12-45°-DN 10
12	1/2"	15			10,0	19	SR-BEL 15-45°-DN 12
16	5/8"	18			13,0	22	SR-BEL 18-45°-DN 16
19	3/4"	22			15,5	24	SR-BEL 22-45°-DN 19
25	1"	28			21,5	36	SR-BEL 28-45°-DN 25
06	1/4"	6			4,0	12	SR-BES 06-45°-DN 06
06	1/4"	8			4,0	12	SR-BES 08-45°-DN 06
06	1/4"	10			4,0	14	SR-BES 10-45°-DN 06
08	5/16"	12			6,0	17	SR-BES 12-45°-DN 08
10	3/8"	14			7,5	19	SR-BES 14-45°-DN 10
12	1/2"	16			10,0	22	SR-BES 16-45°-DN 12
16	5/8"	20			13,0	24	SR-BES 20-45°-DN 16
19	3/4"	25			15,5	30	SR-BES 25-45°-DN 19

Hinweise zur Montage:
 Das Schlauchnippel-Gewinde unbedingt vor der Montage
 dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:
 It is very important to lubricate the insert thread before
 screwing into the ferrule.
 (lubricants page 12.4)

BEL-Nippel - 90°-Bogen
 BES-Nippel - 90°-Bogen

BEL-nipples - 90°-elbow
 BES-nipples - 90°-elbow



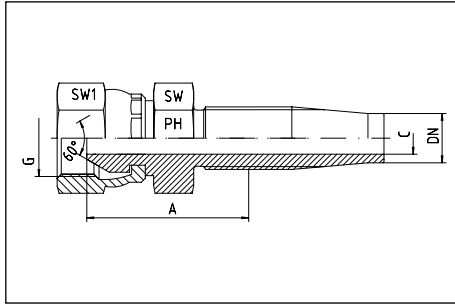
Schlauch Hose DN	DN Bore in.	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW	
06	1/4"	6			4,0	12	SR-BEL 06-90°-DN 06
06	1/4"	8			4,0	12	SR-BEL 08-90°-DN 06
08	5/16"	10			6,0	14	SR-BEL 10-90°-DN 08
10	3/8"	12			7,5	17	SR-BEL 12-90°-DN 10
12	1/2"	15			10,0	19	SR-BEL 15-90°-DN 12
16	5/8"	18			13,0	22	SR-BEL 18-90°-DN 16
19	3/4"	22			15,5	24	SR-BEL 22-90°-DN 19
25	1"	28			21,5	36	SR-BEL 28-90°-DN 25
06	1/4"	6			4,0	12	SR-BES 06-90°-DN 06
06	1/4"	8			4,0	12	SR-BES 08-90°-DN 06
06	1/4"	10			4,0	14	SR-BES 10-90°-DN 06
08	5/16"	12			6,0	17	SR-BES 12-90°-DN 08
10	3/8"	14			7,5	19	SR-BES 14-90°-DN 10
12	1/2"	16			10,0	22	SR-BES 16-90°-DN 12
16	5/8"	20			13,0	24	SR-BES 20-90°-DN 16
19	3/4"	25			15,5	30	SR-BES 25-90°-DN 19

Hinweise zur Montage:
 Das Schlauchnippel-Gewinde unbedingt vor der Montage
 dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:
 It is very important to lubricate the insert thread before
 screwing into the ferrule.
 (lubricants page 12.4)

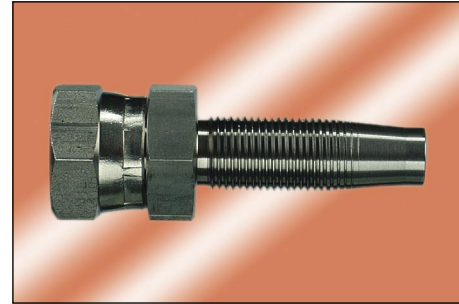
mit Überwurfmutter BSP-Gewinde
für Gegenanschluß mit 60°-Konus

DKR - gerade



swivel nut with BSP thread - female
for connectors with 60°-flare

DKR - straight



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW1	
06	1/4"	1/4"-19	28,1	4,0	17	SR-DKR 1/4"-DN 06
08	5/16"	3/8"-19	29,8	5,5	19	SR-DKR 3/8"-DN 08
10	3/8"	3/8"-19	30,5	7,5	19	SR-DKR 3/8"-DN 10
10	3/8"	1/2"-14	30,5	7,5	27	SR-DKR 1/2"-DN 10
12	1/2"	1/2"-14	33,5	10,0	27	SR-DKR 1/2"-DN 12
16	5/8"	3/4"-14	37,3	13,0	32	SR-DKR 3/4"-DN 16
19	3/4"	3/4"-14	38,4	15,5	32	SR-DKR 3/4"-DN 19
25	1"	1"-11	45,0	21,0	41	SR-DKR 1"-DN 25

Hinweise zur Montage:

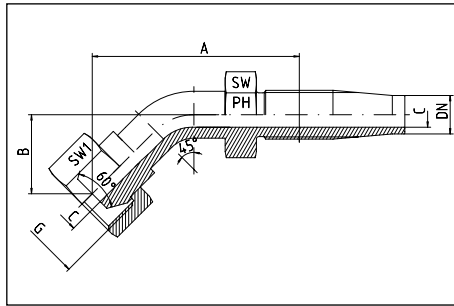
Das Schlauchnippel-Gewinde unbedingt vor der Montage
dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before
screwing into the ferrule.
(lubricants page 12.4)

mit Überwurfmutter BSP-Gewinde
für Gegenanschluß mit 60°-Konus

DKR - 45°-Bogen



swivel nut with BSP thread - female
for connectors with 60°-flare

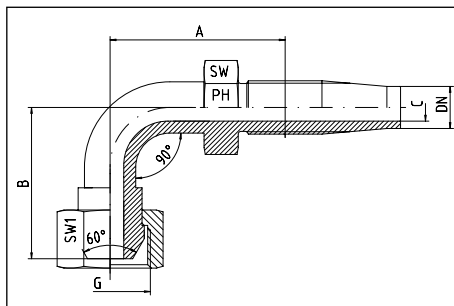
DKR - 45°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW1	
06	1/4"	1/4"-19			4,0	17	SR-DKR 1/4"-45°-DN 06
08	5/16"	3/8"-19			5,5	19	SR-DKR 3/8"-45°-DN 08
10	3/8"	3/8"-19			7,5	19	SR-DKR 3/8"-45°-DN 10
10	3/8"	1/2"-14			7,5	27	SR-DKR 1/2"-45°-DN 10
12	1/2"	1/2"-14			10,0	27	SR-DKR 1/2"-45°-DN 12
16	5/8"	3/4"-14			13,0	32	SR-DKR 3/4"-45°-DN 16
19	3/4"	3/4"-14			15,5	32	SR-DKR 3/4"-45°-DN 19
25	1"	1"-11			21,0	41	SR-DKR 1"-45°-DN 25

mit Überwurfmutter BSP-Gewinde
für Gegenanschluß mit 60°-Konus

DKR - 90°-Bogen



female
for connectors with 60°-flare

DKR - 90°-elbow



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	B	C	SW1	
06	1/4"	1/4"-19			4,0	17	SR-DKR 1/4"-90°-DN 06
08	5/16"	3/8"-19			5,5	19	SR-DKR 3/8"-90°-DN 08
10	3/8"	3/8"-19			7,5	19	SR-DKR 3/8"-90°-DN 10
10	3/8"	1/2"-14			7,5	27	SR-DKR 1/2"-90°-DN 10
12	1/2"	1/2"-14			10,0	27	SR-DKR 1/2"-90°-DN 12
16	5/8"	3/4"-14			13,0	32	SR-DKR 3/4"-90°-DN 16
19	3/4"	3/4"-14			15,5	32	SR-DKR 3/4"-90°-DN 19
25	1"	1"-11			21,0	41	SR-DKR 1"-90°-DN 25

Hinweise zur Montage:

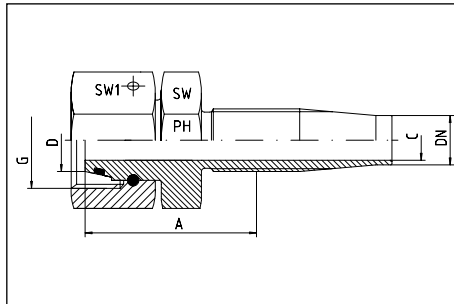
Das Schlauchnippel-Gewinde unbedingt vor der Montage
dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before
screwing into the ferrule.
(lubricants page 12.4)

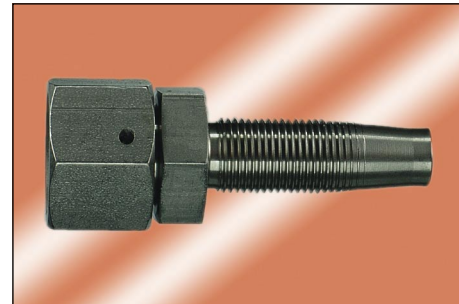
DKOL - Nippel - gerade
DKOS - Nippel - gerade

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1



DKOL - nipples - straight
DKOS - nipples - straight

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW1	
06	1/4"	M 12 x 1,5	6	28,7	4,0	17	SR-DKOL-06-DN 06
06	1/4"	M 14 x 1,5	8	29,6	4,0	17	SR-DKOL-08-DN 06
06	1/4"	M 16 x 1,5	10		4,0	19	SR-DKOL-10-DN 06
08	5/16"	M 16 x 1,5	10	33,8	6,0	19	SR-DKOL-10-DN 08
10	3/8"	M 18 x 1,5	12	32,0	7,5	22	SR-DKOL-12-DN 10
12	1/2"	M 22 x 1,5	15	36,8	10,0	27	SR-DKOL-15-DN 12
16	5/8"	M 26 x 1,5	18	40,1	13,0	32	SR-DKOL-18-DN 16
19	3/4"	M 30 x 2	22	43,9	15,5	36	SR-DKOL-22-DN 19
25	1"	M 36 x 2	28	49,0	21,5	41	SR-DKOL-28-DN 25
06	1/4"	M 14 x 1,5	6	29,6	4,0	17	SR-DKOS-06-DN 06
06	1/4"	M 16 x 1,5	8	29,6	4,0	19	SR-DKOS-08-DN 06
06	1/4"	M 18 x 1,5	10	30,5	4,0	22	SR-DKOS-10-DN 06
08	5/16"	M 20 x 1,5	12	35,1	5,5	24	SR-DKOS-12-DN 08
10	3/8"	M 22 x 1,5	14	36,8	7,5	27	SR-DKOS-14-DN 10
12	1/2"	M 24 x 1,5	16	39,1	10,0	30	SR-DKOS-16-DN 12
16	5/8"	M 30 x 2	20		13,0	36	SR-DKOS-20-DN 16
19	3/4"	M 36 x 2	25		15,5	46	SR-DKOS-25-DN 19
25	1"	M 42 x 2	30		21,5	50	SR-DKOS-30-DN 25

Hinweise zur Montage:

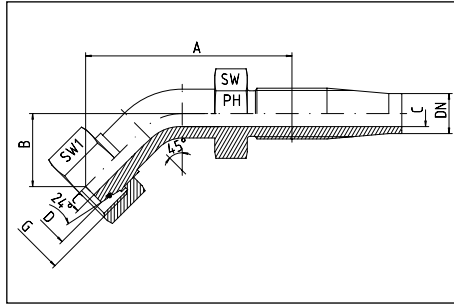
Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
(lubricants page 12.4)

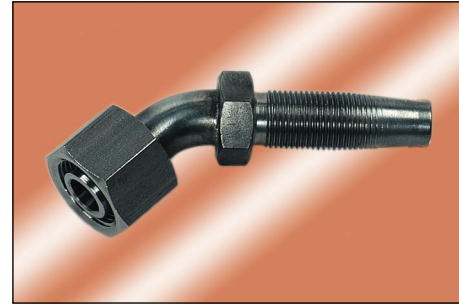
DKOL - Nippel - 45°-Bogen
 DKOS - Nippel - 45°-Bogen

für Gegenanschluß mit 24°-Konus
 und Schneidringverschraubungen DIN 2353 / DIN EN ISO
 8434-1



DKOL - nipples - 45°-elbow
 DKOS - nipples - 45°-elbow

for fittings with 24°-flare
 and solderless connectors DIN 2353 / DIN EN ISO 8434-1



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				A	B	C	SW1	
06	1/4"	M 12 x 1,5	6			4,0	17	SR-DKOL-45°-06-DN 06
06	1/4"	M 14 x 1,5	8			4,0	17	SR-DKOL-45°-08-DN 06
08	5/16"	M 16 x 1,5	10			6,0	19	SR-DKOL-45°-10-DN 08
10	3/8"	M 18 x 1,5	12			7,5	22	SR-DKOL-45°-12-DN 10
12	1/2"	M 22 x 1,5	15			10	27	SR-DKOL-45°-15-DN 12
16	5/8"	M 26 x 1,5	18			13	32	SR-DKOL-45°-18-DN 16
19	3/4"	M 30 x 2	22			15,5	36	SR-DKOL-45°-22-DN 19
25	1"	M 36 x 2	28			21,5	41	SR-DKOL-45°-28-DN 25
06	1/4"	M 14 x 1,5	6			4,0	17	SR-DKOS-45°-06-DN 06
06	1/4"	M 16 x 1,5	8			4,0	19	SR-DKOS-45°-08-DN 06
06	1/4"	M 18 x 1,5	10			4,0	22	SR-DKOS-45°-10-DN 06
08	5/16"	M 20 x 1,5	12			5,5	24	SR-DKOS-45°-12-DN 08
10	3/8"	M 22 x 1,5	14			7,5	27	SR-DKOS-45°-14-DN 10
12	1/2"	M 24 x 1,5	16			10,0	30	SR-DKOS-45°-16-DN 12
16	5/8"	M 30 x 2	20			13,0	36	SR-DKOS-45°-20-DN 16
19	3/4"	M 36 x 2	25			15,5	46	SR-DKOS-45°-25-DN 19
25	1"	M 42 x 2	30			21,5	50	SR-DKOS-45°-30-DN 25

Hinweise zur Montage:

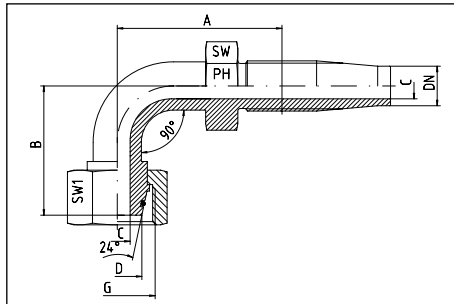
Das Schlauchnippel-Gewinde unbedingt vor der Montage
 dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before
 screwing into the ferrule.
 (lubricants page 12.4)

DKOL - Nippel - 90°-Bogen
DKOS - Nippel - 90°-Bogen

für Gegenanschluß mit 24°-Konus
und Schneidringverschraubungen DIN 2353 / DIN EN ISO 8434-1



DKOL - nipples - 90°-elbow
DKOS - nipples - 90°-elbow

for fittings with 24°-flare
and solderless connectors DIN 2353 / DIN EN ISO 8434-1



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			SW1	Bestellzeichen Order-Code
				A	B	C		
06	1/4"	M 12 x 1,5	6			4,0	17	SR-DKOL-90°-06-DN 06
06	1/4"	M 14 x 1,5	8			4,0	17	SR-DKOL-90°-08-DN 06
08	5/16"	M 16 x 1,5	10			6,0	19	SR-DKOL-90°-10-DN 08
10	3/8"	M 18 x 1,5	12			7,5	22	SR-DKOL-90°-12-DN 10
12	1/2"	M 22 x 1,5	15			10	27	SR-DKOL-90°-15-DN 12
16	5/8"	M 26 x 1,5	18			13	32	SR-DKOL-90°-18-DN 16
19	3/4"	M 30 x 2	22			15,5	36	SR-DKOL-90°-22-DN 19
25	1"	M 36 x 2	28			21,5	41	SR-DKOL-90°-28-DN 25
06	1/4"	M 14 x 1,5	6			4,0	17	SR-DKOS-90°-06-DN 06
06	1/4"	M 16 x 1,5	8			4,0	19	SR-DKOS-90°-08-DN 06
06	1/4"	M 18 x 1,5	10			4,0	22	SR-DKOS-90°-10-DN 06
08	5/16"	M 20 x 1,5	12			5,5	24	SR-DKOS-90°-12-DN 08
10	3/8"	M 22 x 1,5	14			7,5	27	SR-DKOS-90°-14-DN 10
12	1/2"	M 24 x 1,5	16			10,0	30	SR-DKOS-90°-16-DN 12
16	5/8"	M 30 x 2	20			13,0	36	SR-DKOS-90°-20-DN 16
19	3/4"	M 36 x 2	25			15,5	46	SR-DKOS-90°-25-DN 19
25	1"	M 42 x 2	30			21,5	50	SR-DKOS-90°-25-DN 21

Hinweise zur Montage:

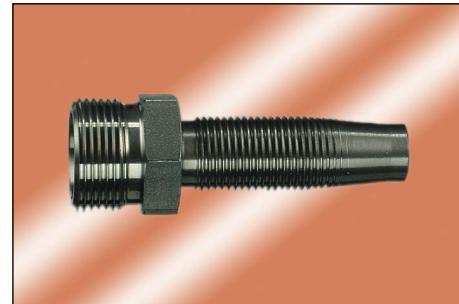
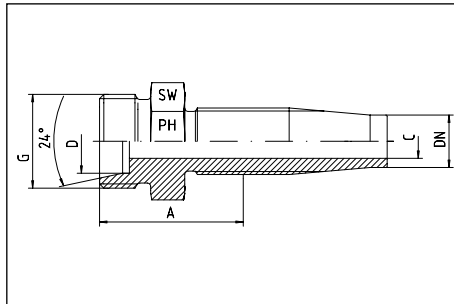
Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
(lubricants page 12.4)

CEL - 24°-Konus-Nippel
 CES - 24°-Konus-Nippel

CEL - 24°-cone nipples
 CES - 24°-cone nipples



Schlauch Hose DN	DN Bore in.	Gewinde Thread G	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				A	C	SW	
06	1/4"	M 12 x 1,5	6	27,9	4,0	12	SR-CEL-06-DN 06
06	1/4"	M 14 x 1,5	8	27,9	4,0	14	SR-CEL-08-DN 06
08	5/16"	M 16 x 1,5	10	29,7	6,0	17	SR-CEL-10-DN 08
10	3/8"	M 18 x 1,5	12	30,0	7,5	19	SR-CEL-12-DN 10
12	1/2"	M 22 x 1,5	15	32,0	10,0	22	SR-CEL-15-DN 12
16	5/8"	M 26 x 1,5	18	35,1	13,0	27	SR-CEL-18-DN 16
19	3/4"	M 30 x 2	22	38,4	15,5	30	SR-CEL-22-DN 19
25	1"	M 36 x 2	28	43,2	21,5	36	SR-CEL-28-DN 25
06	1/4"	M 14 x 1,5	6	27,9	4,0	14	SR-CES-06-DN 06
06	1/4"	M 16 x 1,5	8	28,5	4,0	17	SR-CES-08-DN 06
06	1/4"	M 18 x 1,5	10	28,5	4,0	19	SR-CES-10-DN 06
08	5/16"	M 20 x 1,5	12	31,4	6,0	22	SR-CES-12-DN 08
10	3/8"	M 22 x 1,5	14	33,6	7,5	22	SR-CES-14-DN 10
12	1/2"	M 24 x 1,5	16	35,2	10,0	24	SR-CES-16-DN 12
16	5/8"	M 30 x 2	20	40,4	13,0	30	SR-CES-20-DN 16
19	3/4"	M 36 x 2	25	43,9	15,5	36	SR-CES-25-DN 19
25	1"	M 42 x 2	30	54,9	21,5	46	SR-CES-30-DN 25

Hinweise zur Montage:

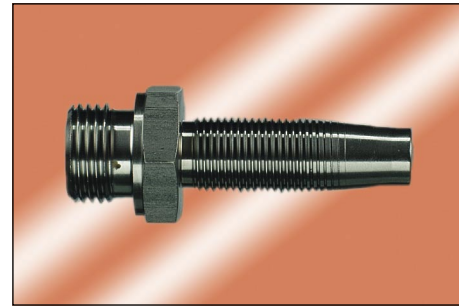
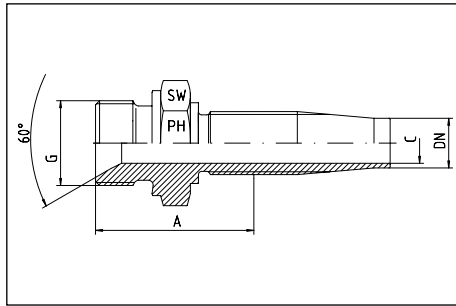
Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
 (lubricants page 12.4)

AGR - 60°-Konus Außengewinde-Nippel

BSP - 60°-cone male nipples



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = BSP	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/4"-19	29,5	4,0	19	SR-AGR 1/4"-DN 06
08	5/16"	3/8"-19	33,4	5,5	22	SR-AGR 3/8"-DN 08
10	3/8"	3/8"-19	33,4	7,5	22	SR-AGR 3/8"-DN 10
10	3/8"	1/2"-14	38,4	7,5	27	SR-AGR 1/2"-DN 10
12	1/2"	1/2"-14	38,6	10,0	27	SR-AGR 1/2"-DN 12
16	5/8"	3/4"-14	44,8	13,0	32	SR-AGR 3/4"-DN 16
19	3/4"	3/4"-14	44,8	15,5	32	SR-AGR 3/4"-DN 19
19	3/4"	1"-11	45,8	15,5	41	SR-AGR 1"-DN 19
25	1"	1"-11	51,5	21,5	41	SR-AGR 1"-DN 25

Hinweise zur Montage:

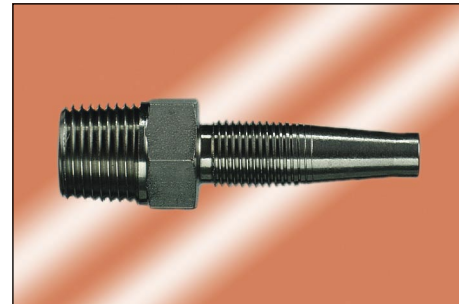
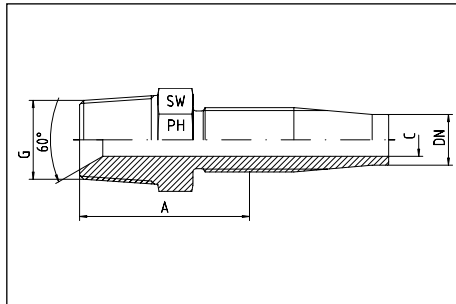
Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
(lubricants page 12.4)

AGR-k = kegeliges Rohraußengewinde
 AGN = NPT-Außengewinde

AGR-k = BSP - male - taper
 AGN = NPT - male



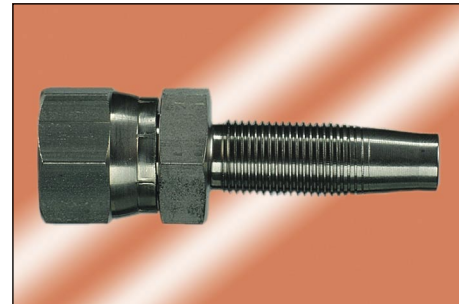
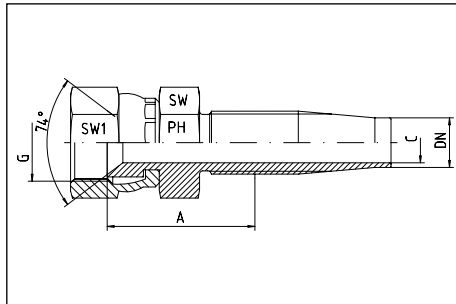
Schlauch Hose DN	DN Bore in.	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
			A	C	SW	
06	1/4"	1/4"-19 keg	32,5	4,0	14	SR-AGRk 1/4"-DN 06
08	5/16"	3/8"-19 keg	36,1	5,5	19	SR-AGRk 3/8"-DN 08
10	3/8"	3/8"-19 keg	36,1	7,5	19	SR-AGRk 3/8"-DN 10
10	3/8"	1/2"-14 keg	41,2	7,5	22	SR-AGRk 1/2"-DN 10
12	1/2"	1/2"-14 keg	41,7	10,0	22	SR-AGRk 1/2"-DN 12
16	5/8"	3/4"-14 keg	45,0	13,0	27	SR-AGRk 3/4"-DN 16
19	3/4"	3/4"-14 keg	46,2	15,5	27	SR-AGRk 3/4"-DN 19
25	1"	1"-11 keg	57,2	21,5	36	SR-AGRk 1"-DN 25
06	1/4"	1/4"-18 NPT	30,2	4,0	14	SR-AGN 1/4"-DN 06
08	5/16"	3/8"-18 NPT	33,3	5,5	19	SR-AGN 3/8"-DN 08
10	3/8"	3/8"-18 NPT	33,3	7,5	19	SR-AGN 3/8"-DN 10
10	3/8"	1/2"-14 NPT	38,6	7,5	22	SR-AGN 1/2"-DN 10
12	1/2"	1/2"-14 NPT	39,9	10,0	22	SR-AGN 1/2"-DN 12
16	5/8"	3/4"-14 NPT	43,9	13,0	27	SR-AGN 3/4"-DN 16
19	3/4"	3/4"-14 NPT	43,2	15,5	27	SR-AGN 3/4"-DN 19
25	1"	1"-11,5 NPT	51,1	21,5	36	SR-AGN 1"-DN 25

Hinweise zur Montage:
 Das Schlauchnippel-Gewinde unbedingt vor der Montage
 dick einölen oder einfetten.
 (Schmierstoffe Seite 12.4)

Notes to the assembly:
 It is very important to lubricate the insert thread before
 screwing into the ferrule.
 (lubricants page 12.4)

mit Crimpmutter

with crimp-nut



Schlauch Hose DN	DN Bore in.	Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			A	C	SW	SW1	
06	1/4"	7/16"-20					SR-DKJ 7/16"-DN 06
06	1/4"	1/2"-20					SR-DKJ 1/2"-DN 06
06	1/4"	9/16"-18	26,0	4,0	19	19	SR-DKJ 9/16"-DN 06
08	5/16"	1/2"-20					SR-DKJ 1/2"-DN 08
08	5/16"	9/16"-18					SR-DKJ 9/16"-DN 08
10	3/8"	9/16"-18					SR-DKJ 9/16"-DN 10
10	3/8"	3/4"-16	32,0	7,5	24	24	SR-DKJ 3/4"-DN 10
10	3/8"	7/8"-14					SR-DKJ 7/8"-DN 10
12	1/2"	3/4"-16					SR-DKJ 3/4"-DN 12
12	1/2"	7/8"-14	32,0	10,0	27	27	SR-DKJ 7/8"-DN 12
12	1/2"	1 1/16"-12					SR-DKJ 1 1/16"-DN 12
16	5/8"	7/8"-14					SR-DKJ 7/8"-DN 16
16	5/8"	1 1/16"-12	33,5	13,0	32	32	SR-DKJ 1 1/16"-DN 16
19	3/4"	1 1/16"-12					SR-DKJ 1 1/16"-DN 19
19	3/4"	1 5/16"-12	40,0	16,0	41	41	SR-DKJ 1 5/16"-DN 19
25	1"	1 5/16"-12	40,0	21,5	41	41	SR-DKJ 1 5/16"-DN 25

Hinweise zur Montage:

Das Schlauchnippel-Gewinde unbedingt vor der Montage dick einölen oder einfetten.
(Schmierstoffe Seite 12.4)

Notes to the assembly:

It is very important to lubricate the insert thread before screwing into the ferrule.
(lubricants page 12.4)

ADAPTER - BSP - METRISCH - NPT - BSP - KEGELIG ADAPTORS - BSP - METRIC - NPT - BSP - TAPER

GERADE ADAPTER - BSP - METRISCH	STRAIGHT ADAPTORS - BSP - METRIC	5.3
GERADE ANSCHWEIßSTUTZEN - METRISCH - 60°-KONUS	STRAIGHT WELDING ADAPTORS - METRIC - 60°-CONE	5.4
GERADE ADAPTER - BSP - ZYLINDRISCH - BSP - KEGELIG	STRAIGHT ADAPTORS - BSP - PARALLEL - BSP - TAPER	5.5
GERADE ADAPTER - BSP - ZYLINDRISCH	STRAIGHT ADAPTORS - BSP - PARALLEL	5.6
GERADE ADAPTER - BSP - ZYLINDRISCH	STRAIGHT ADAPTORS - BSP - PARALLEL	5.7
GERADE ADAPTER - BSP - ZYLINDRISCH - NPT	STRAIGHT ADAPTORS - BSP - PARALLEL - NPT	5.8
GERADE ADAPTER - NPT - NPT	STRAIGHT ADAPTORS - NPT - NPT	5.9
GERADE ADAPTER - BSP - KEGELIG - BSP - KEGELIG	STRAIGHT ADAPTORS - BSP - TAPER - BSP - TAPER	5.10
GERADE ADAPTER - BSP - WEIBLICH - BSP - KEGELIG	STRAIGHT ADAPTORS - BSP - FEMALE - BSP - TAPER	5.11
VERSCHLUßSTOPFEN - BSP - KEGELIG	BSPT-TAPER-PLUG - BSP - TAPER	5.11
GERADE ADAPTER - BSP - WEIBLICH - NPT	STRAIGHT ADAPTORS - BSP - FEMALE - NPT	5.12
VERSCHLUßSTOPFEN - NPT	NPT-PLUG	5.12
GERADE ADAPTER - BSP - WEIBLICH - BSP - ZYLINDRISCH	STRAIGHT ADAPTORS - BSP - FEMALE - BSP - PARALLEL	5.13
GERADE ADAPTER - DKR - BSP - WEIBLICH	STRAIGHT ADAPTORS - DKR - BSP - FEMALE	5.14
WINKEL-ADAPTER - DKR - BSP - WEIBLICH	ELBOW-ADAPTORS - DKR - BSP - FEMALE	5.14
T-ADAPTER - DKR - BSP - WEIBLICH	T-ADAPTORS - DKR - BSP - FEMALE	5.15
K-ADAPTER - DKR - BSP - WEIBLICH	K-ADAPTORS - DKR - BSP - FEMALE	5.15
WINKEL-ADAPTER - BSP - ZYLINDRISCH	ELBOW-ADAPTORS - BSP - MALE	5.16
T-ADAPTER - BSP - ZYLINDRISCH	T-ADAPTORS - BSP - MALE	5.16
KREUZ-ADAPTER - BSP - ZYLINDRISCH	CROSS-ADAPTORS - BSP - MALE	5.17
WE-KOMPAKT-WINKEL-ADAPTER - BSP WEIBLICH - BSP - ZYLINDRISCH	WE-BLOCK-ELBOW-ADAPTORS - BSP - FEMALE - BSP - MALE	5.17
LE-ADAPTER - BSP - WEIBLICH - BSP - ZYLINDRISCH	LE-ADAPTORS - BSP - FEMALE - BSP - MALE	5.18
TE-ADAPTER - BSP - WEIBLICH - BSP - ZYLINDRISCH	TE-ADAPTORS - BSP - FEMALE - BSP - MALE	5.18
GERADE SCHOTT-ADAPTER - BSP - ZYLINDRISCH	STRAIGHT BULKHEAD ADAPTORS - BSP - MALE	5.19
SECHSKANT-MUFFEN - BSP - ZYLINDRISCH	HEXAGON SOCKETS - BSP - FEMALE	5.20
SECHSKANT-MUFFEN - NPT	HEXAGON SOCKETS - NPT - FEMALE	5.21
VERSCHLUßKAPPEN - DKR - BSP - WEIBLICH	BSP-FEMALE-SWIVEL CAPS	5.22
VERSCHLUßSTOPFEN - BSP - ZYLINDRISCH	BSP-60°-CONED PLUG - PARALLEL	5.22
SECHSKANT-ADAPTER - BSP AUßEN / INNEN	HEXAGON-ADAPTORS - BSP - MALE / FEMALE	5.23
GEWINDE-REDUZIERUNGEN - BSP AUßEN - NPT INNEN	MALE/FEMALE STUD ADAPTORS - BSP - MALE - NPT - FEMALE	5.24
GEWINDE-REDUZIERUNGEN - NPT AUßEN - BSP INNEN	MALE/FEMALE STUD ADAPTORS - NPT - MALE - BSP - FEMALE	5.25
SECHSKANT-KAPPEN - BSP - ZYLINDRISCH	HEXAGON CAPS - BSP - PARALLEL	5.26
SECHSKANT-KAPPEN - NPT	HEXAGON CAPS - NPT	5.26

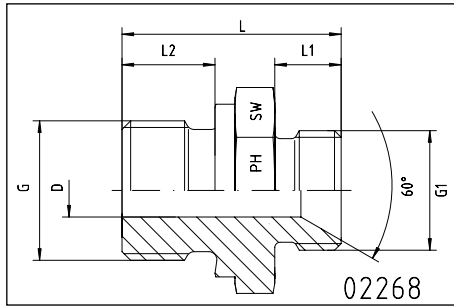
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP mit angedrehter Dichtkante Form B
metric
mit 60°-Innenkonus

BSP with sealing shoulder form B
metric
with 60°-cone

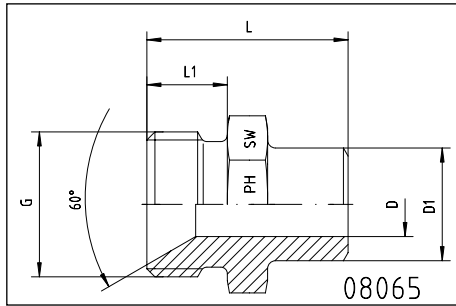


Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code
G = BSP	G1	L	L1	L2	D	SW		
1/2"	M 22 x 1,5	35	14	12	11	27	0226820-08	
1/2"	M 26 x 1,5	38	14	12	14	27	0226820-08-10	
3/4"	M 26 x 1,5	38	16	12	15	32	0226820-12-10	
3/4"	M 30 x 1,5	39	16	14	20	32	0226820-12	
1"	M 30 x 1,5	41	18	14	20	41	0226821-16-12	
1"	M 38 x 1,5	41	18	14	24	41	0226825-16	
1 1/4"	M 38 x 1,5	44	20	14	25	50	0226826-20-16	
1 1/4"	M 45 x 1,5	46	20	16	32	50	0226832-20	
1 1/2"	M 45 x 1,5	49	22	16	32	55	0226833-24-20	
1 1/2"	M 52 x 1,5	49	22	16	39	55	0226840-24	
2"	M 65 x 2	54	24	17	45	70	0226850-32	
2 1/2"	M 78 x 2	57	26	17	56	85	0226860-40	
3"	M 100 x 2	68	28	22	76	105	0226880-48	

GERADE ANSCHWEIßSTUTZEN STRAIGHT WELDING ADAPTORS

metrisch - fein
mit 60°-Innenkonus

metric - pitch 1,5 mm and 2 mm
with 60°-cone



Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
	L	L1	D	D1	SW	
M 18 x 1,5	25	10	8,0	14	19	0806511-06
M 22 x 1,5	27	12	10,5	17	22	0806514-08
M 26 x 1,5	28	12	13,0	21	27	0806517-10
M 30 x 1,5	28	12	15,5	25	30	0806521-12
M 38 x 1,5	30	14	21,0	30	41	0806526-16
M 45 x 1,5	31	14	28,0	38	46	0806533-20
M 52 x 1,5	32	14	35,0	44	55	0806541-24
M 65 x 2	36	17	45,0	57	65	0806551-32
M 78 x 2	36	17	55,0	54	80	0806561-40
M 90 x 2	47	22	67,0	76	90	0806571-48
M 100 x 2	47	22	77,0	89	100	0806581-56

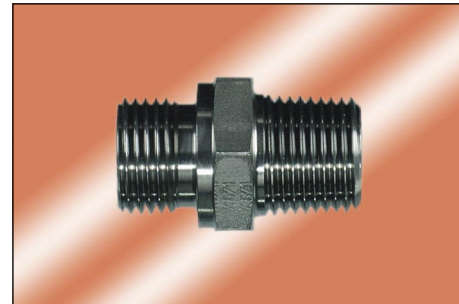
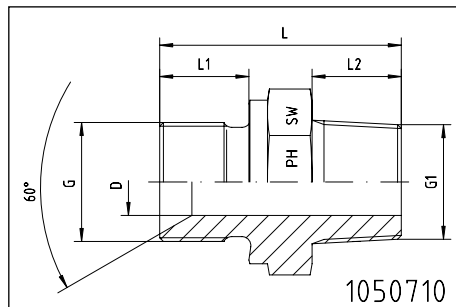
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - zylindrisch - männlich
mit 60°-Konus
BSP - kegelig - männlich

BSP - male
with 60°-cone
BSP - taper - male



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
G = BSP	G1 = BSPT	L	L1	L2	D	SW	
1/8"-28	1/8"-28	23,0	8	8	4,0	14	1050710-02-02
1/4"-19	1/4"-19	30,0	10	12	6,0	19	1050710-04-04
3/8"-19	3/8"-19	32,5	12	12	9,0	22	1050710-06-06
1/2"-14	1/2"-14	43,0	14	19	12,5	27	1050710-08-08
3/4"-14	3/4"-14	47,0	16	19	17,5	32	1050710-12-12
1"-11	1"-11	49,0	18	18	22,0	41	1050710-16-16
1 1/4"-11	1 1/4"-11	54,5	20	20	29,0	50	1050710-20-20
1 1/2"-11	1 1/2"-11	58,5	22	22	37,0	55	1050710-24-24
2"-11	2"-11	63,0	22	26	45,0	70	1050710-32-32
1/4"-19	1/8"-28	26,0	10	8	4,0	19	1050710-04-02
1/4"-19	3/8"-19	32,0	10	12	7,0	19	1050710-04-06
1/4"-19	1/2"-14	40,0	10	19	6,0	22	1050710-04-08
3/8"-19	1/2"-14	42,0	12	19	9,0	22	1050710-06-08
1/2"-14	3/4"-14	45,0	14	19	12,5	27	1050710-08-12
3/4"-14	1/2"-14	45,0	16	19	12,5	32	1050710-12-08

andere Größen auf Anfrage
other sizes on request

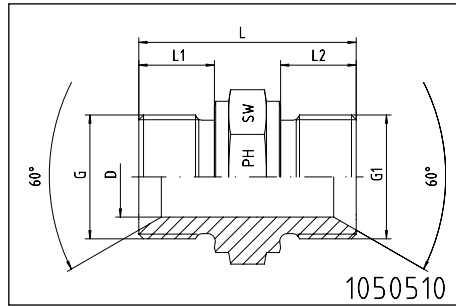
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - BSP
mit 60°-Innenkonus
und angedrehter Dichtkante Form B
männlich - männlich

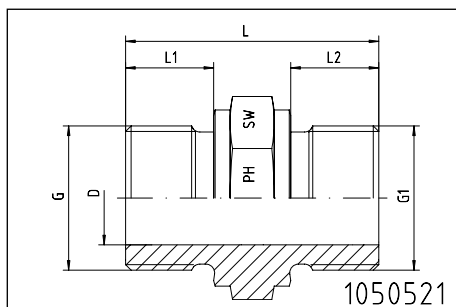
with 60°-cone
and sealing shoulder form B
BSP male - male - parallel



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
G = BSP	G1 = BSP	L	L1	L2	D	SW	
1/8"-28	1/8"-28	23,0	8	8	4,5	14	1050510-02-02
1/4"-19	1/4"-19	29,0	10	10	6,0	19	1050510-04-04
3/8"-19	3/8"-19	35,0	12	12	9,0	22	1050510-06-06
1/2"-14	1/2"-14	41,0	14	14	13,0	27	1050510-08-08
5/8"-14	5/8"-14	43,5	16	16	14,5	30	1050510-10-10
3/4"-14	3/4"-14	46,0	16	16	18,0	32	1050510-12-12
1"-11	1"-11	52,0	18	18	23,5	41	1050510-16-16
1 1/4"-11	1 1/4"-11	58,0	20	20	30,0	50	1050510-20-20
1 1/2"-11	1 1/2"-11	61,0	22	22	37,0	55	1050510-24-24
2"-11	2"-11	61,0	22	22	45,0	70	1050510-32-32

BSP - BSP - flachdichtend
mit angedrehter Dichtkante Form B
männlich - männlich

BSP - BSP - flat face
with sealing shoulder form B
male - male - parallel



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
G = BSP	G1 = BSP	L	L1	L2	D	SW	
1/8"-28	1/8"-28	23,0	8	8	4,5	14	1050521-02-02
1/4"-19	1/4"-19	29,0	10	10	6,0	19	1050521-04-04
3/8"-19	3/8"-19	35,0	12	12	9,0	22	1050521-06-06
1/2"-14	1/2"-14	41,0	14	14	13,0	27	1050521-08-08
5/8"-14	5/8"-14	43,5	16	16	14,5	30	1050521-10-10
3/4"-14	3/4"-14	46,0	16	16	18,0	32	1050521-12-12
1"-11	1"-11	52,0	18	18	23,5	41	1050521-16-16
1 1/4"-11	1 1/4"-11	58,0	20	20	30,0	50	1050521-20-20
1 1/2"-11	1 1/2"-11	61,0	22	22	37,0	55	1050521-24-24
2"-11	2"-11	61,0	22	22	45,0	70	1050521-32-32

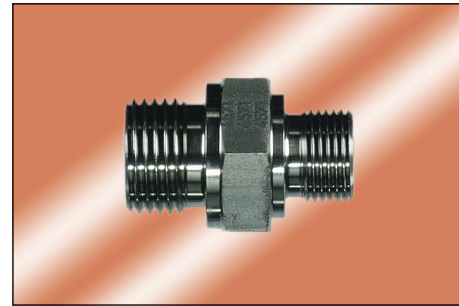
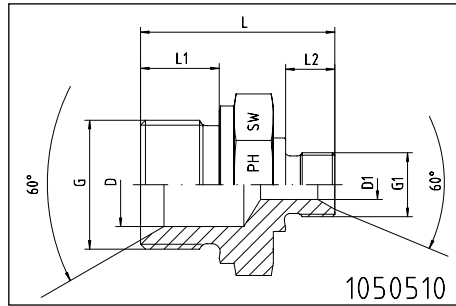
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - BSP
mit 60°-Innenkonus
und angedrehter Dichtkante Form B
männlich - männlich

with 60°-cone
and sealing shoulder form B
BSP male - male



Gewinde Thread		ca. Maße approx. dimensions							Bestellzeichen Order-Code G-G1
G = BSP	G1 = BSP	L	L1	L2	D	D1	SW		
1/4"-19	1/8"-28	28,0	12,0	8	6,0	4,5	19	1050510-04-02	
3/8"-19	1/8"-28	30,5	12,0	8	9,0	4,5	22	1050510-06-02	
3/8"-19	1/4"-19	33,0	12,0	11	9,0	7,0	22	1050510-06-04	
1/2"-14	1/4"-19	38,0	14,0	11	12,5	7,0	27	1050510-08-04	
1/2"-14	3/8"-19	40,0	14,0	12	13,0	9,0	27	1050510-08-06	
5/8"-14	3/8"-19	39,6	16,0	12	14,5	8,0	30	1050510-10-06	
5/8"-14	1/2"-14	42,0	16,0	14	14,5	11,5	30	1050510-10-08	
3/4"-14	1/4"-19	39,5	16,0	10	18,0	6,0	32	1050510-12-04	
3/4"-14	3/8"-19	41,0	16,0	12	18,0	9,0	32	1050510-12-06	
3/4"-14	1/2"-14	45,0	16,0	14	18,0	13,0	32	1050510-12-08	
3/4"-14	5/8"-14	45,0	16,0	16	17,0	14,5	32	1050510-12-10	
1"-11	3/8"-19	47,0	18,0	12	23,0	9,0	41	1050510-16-06	
1"-11	1/2"-14	48,0	18,0	14	23,5	13,0	41	1050510-16-08	
1"-11	3/4"-14	53,0	18,0	16	23,5	17,0	41	1050510-16-12	
1 1/4"-11	1/2"-14	51,0	20,0	14	30,0	13,0	50	1050510-20-08	
1 1/4"-11	3/4"-14	53,5	20,0	16	29,0	17,0	50	1050510-20-12	
1 1/4"-11	1"-11	58,0	20,0	18	30,5	23,0	50	1050510-20-16	
1 1/2"-11	3/4"-14	55,0	22,0	16	37,0	17,0	55	1050510-24-12	
1 1/2"-11	1"-11	57,0	22,0	18	37,0	24,0	55	1050510-24-16	
1 1/2"-11	1 1/4"-11	63,0	23,5	22	37,0	30,0	55	1050510-24-20	
2"-11	1"-11						70	1050510-32-16	
2"-11	1 1/4"-11	59,0	22,0	20	45,0	30,0	70	1050510-32-20	
2"-11	1 1/2"-11	61,0	22,0	22	45,0	37,0	70	1050510-32-24	

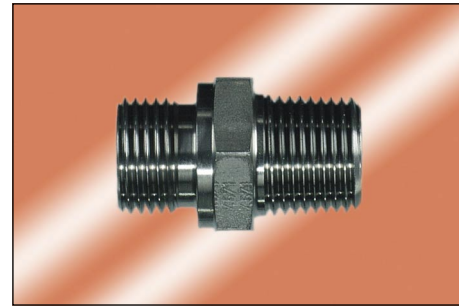
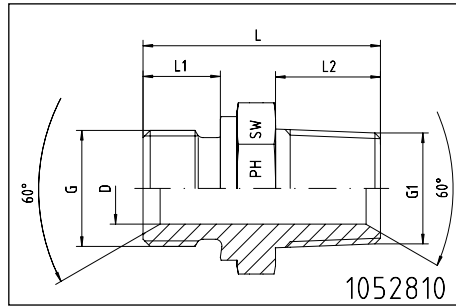
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - zylindrisch - männlich
mit 60°-Konus
NPT - männlich
mit 60°-Konus

BSP - male
with 60°-cone
NPT - male
with 60°-cone



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code BSP x NPT
G = BSP	G1 = NPT	L	L1	L2	D	SW	
1/8"-28	1/8"-27	24,5	8	10,0	4,0	14	1052810-02-02
1/4"-19	1/4"-18	32,5	10	15,0	6,0	19	1052810-04-04
3/8"-19	3/8"-18	38,0	12	15,3	9,0	22	1052810-06-06
1/2"-14	1/2"-14	43,0	14	20,0	12,5	27	1052810-08-08
3/4"-14	3/4"-14	47,0	16	20,0	17,5	32	1052810-12-12
1"-11	1"-11,5	54,5	18	25,0	22,5	41	1052810-16-16
1 1/4"-11	1 1/4"-11,5	66,0	20	25,5	30,0	50	1052810-20-20
1 1/2"-11	1 1/2"-11,5	64,0	22	26,0	37,0	55	1052810-24-24
2"-11	2"-11,5	66,0	22	26,0	45,0	70	1052810-32-32
1/4"-19	1/8"-27		10	10,0	4,0	19	1052810-04-02
1/4"-19	3/8"-18	33,0	10	15,3	6,0	19	1052810-04-06
1/4"-19	1/2"-14	40,0	10	20,0	6,0	22	1052810-04-08
3/8"-19	1/4"-18	35,5	12	15,0	7,0	22	1052810-06-04
3/8"-19	1/2"-14	42,0	12	20,0	9,0	22	1052810-06-08
1/2"-14	1/4"-18		14	15,0	7,0	27	1052810-08-04
1/2"-14	3/8"-18	40,0	14	15,3	9,0	27	1052810-08-06
1/2"-14	3/4"-14	45,0	14	20,0	12,0	27	1052810-08-12
3/4"-14	1/2"-14	45,0	16	20,0	12,5	32	1052810-12-08
1"-11	3/4"-14	50,0	18	20,0	15,0	41	1052810-16-12

andere Größen auf Anfrage
other sizes on request

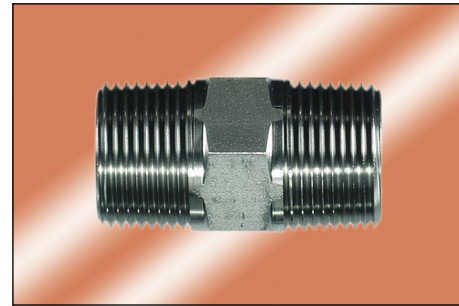
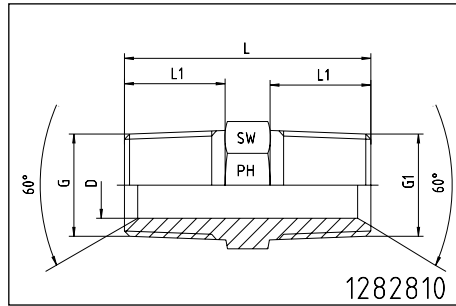
GERADE ADAPTER



STRAIGHT ADAPTORS

NPT - männlich
mit 60°-Konus

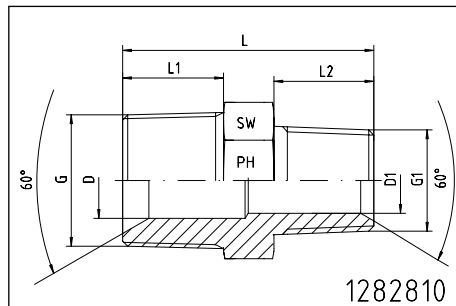
NPT - male
with 60°-cone



Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code
G = NPT	G1 = NPT	L	L1	D	SW	
1/8"-27	1/8"-27	27,0	10,0	5,0	12	1282810-02-02
1/4"-18	1/4"-18	36,5	15,0	7,0	14	1282810-04-04
3/8"-18	3/8"-18	36,5	15,3	9,0	19	1282810-06-06
1/2"-14	1/2"-14	48,4	20,0	13,5	22	1282810-08-08
3/4"-14	3/4"-14	50,0	20,0	18,0	27	1282810-12-12
1"-11,5	1"-11,5	59,0	25,0	21,0	36	1282810-16-16
1 1/4"-11,5	1 1/4"-11,5	63,0	25,5	31,5	46	1282810-20-20
1 1/2"-11,5	1 1/2"-11,5	65,0	26,0	36,0	50	1282810-24-24
2"-11,5	2"-11,5	68,0	26,0	46,0	65	1282810-32-32

NPT - männlich
mit 60°-Konus

NPT - male
with 60°-cone



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code	
G = NPT	G1 = NPT	L	L1	L2	D	D1	SW	
1/4"-18	1/8"-27	32,0	15,0	10,0	7,0	5,0	14	1282810-04-02
3/8"-18	1/4"-18	36,5	15,3	15,0	7,0	7,0	19	1282810-06-04
1/2"-14	1/4"-18	43,0	20,0	15,0	7,0	7,0	22	1282810-08-04
1/2"-14	3/8"-18	43,7	20,0	15,3	13,5	8,0	22	1282810-08-06
3/4"-14	1/2"-14	50,0	20,0	20,0	18,0	13,5	27	1282810-12-08
1"-11,5	1/2"-14		25,0	20,0	21,0	13,5	36	1282810-16-08
1"-11,5	3/4"-14	54,2	25,0	20,0	21,0	18,0	36	1282810-16-12

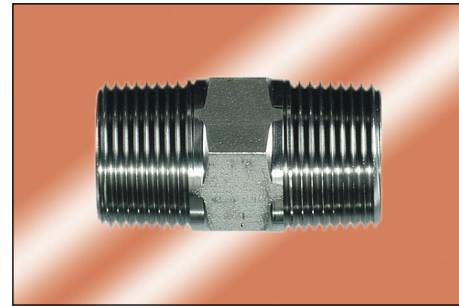
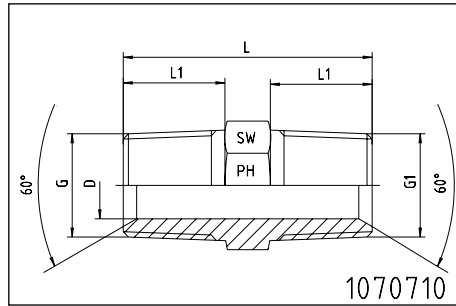
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - kegelig
BSP - kegelig

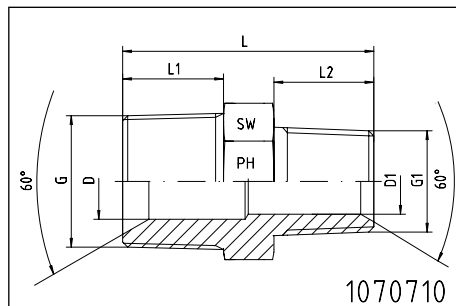
BSP - taper
BSP - taper



Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code
G = BSPT	G1 = BSPT	L	L1	D	SW	
1/8"-28	1/8"-28	22,0	8	4,0	12	1070710-02-02
1/4"-19	1/4"-19	30,0	12	5,0	14	1070710-04-04
3/8"-19	3/8"-19	31,0	12	8,0	19	1070710-06-06
1/2"-14	1/2"-14	36,0	19	12,5	24	1070710-08-08
3/4"-14	3/4"-14	39,5	19	18,0	27	1070710-12-12
1"-11	1"-11	47,0	18	22,5	36	1070710-16-16
1 1/4"-11	1 1/4"-11	52,0	20	29,0	46	1070710-20-20
1 1/2"-11	1 1/2"-11	58,0	22	33,5	50	1070710-24-24
2"-11	2"-11				65	1070710-32-32

BSP - kegelig
BSP - kegelig

BSP - taper
BSP - taper



Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code	
G = BSPT	G1 = BSPT	L	L1	L2	D	D1	SW	
1/4"-19	1/8"-28	26,0	12	8	5,0	5,0	14	1070710-04-02
3/8"-19	1/4"-19	31,0	12	12	8,0	8,0	19	1070710-06-04
1/2"-14	3/8"-19	34,0	19	12	11,5	8,0	24	1070710-08-06
3/4"-14	1/2"-14	39,0	19	19	17,0	11,5	27	1070710-12-08
1"-11	3/4"-14	45,0	18	19	22,5	17,0	36	1070710-16-12
1 1/4"-11	1"-11	50,0	20	18	29,0	22,5	45	1070710-20-16
1 1/2"-11	1 1/4"-11	56,0	22	20	33,5	33,5	50	1070710-24-20

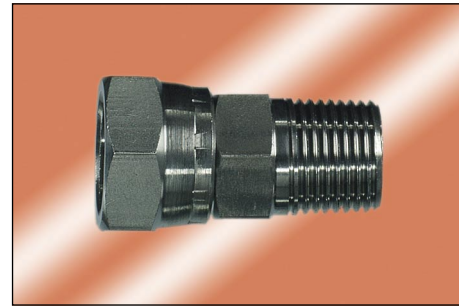
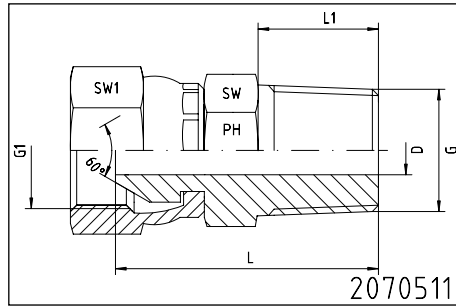
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - weiblich
mit drehbarer Mutter für 60°-Gegenkonus
BSP - kegelig - männlich

BSP - female
with swivel nut for 60°-connection
BSPT - taper - male

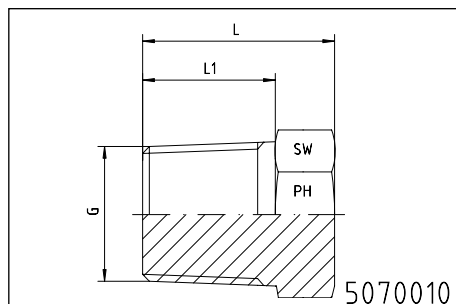


Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
G1 = BSP	G = BSPT	L	L1	D	SW	SW1	
1/8"-28	1/8"-28	23,0	8	4,0	12	14	2070511-02-02
1/4"-19	1/4"-19	28,0	12	5,0	14	19	2070511-04-04
3/8"-19	3/8"-19	30,6	12	8,0	19	22	2070511-06-06
1/2"-14	1/2"-14	42,0	19	9,5	24	27	2070511-08-08
3/4"-14	3/4"-14	43,0	19	16,5	30	32	2070511-12-12
1"-11	1"-11	44,3	18	22,5	36	41	2070511-16-16
1 1/4"-11	1 1/4"-11	51,9	20	29,0	45	50	2070511-20-20
1 1/2"-11	1 1/2"-11	54,6	22	33,5	50	55	2070511-24-24
2"-11	2"-11	57,9	26	46,0	65	70	2070511-32-32

VERSCHLUßSTOPFEN

BSPT-TAPER-PLUG

BSP - kegelig



Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
G = BSPT	L	L1	SW	
1/8"-28	14	8	12	5070010-02
1/4"-19	18	12	14	5070010-04
3/8"-19	19	12	19	5070010-06
1/2"-14	27	19	22	5070010-08
3/4"-14	29	19	27	5070010-12
1"-11	29	18	36	5070010-16
1 1/4"-11	32	20	46	5070010-20
1 1/2"-11	36	22	50	5070010-24
2"-11	40	26	65	5070010-32

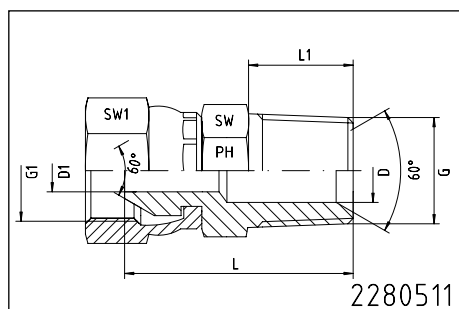
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - weiblich
mit drehbarer Mutter für 60°-Gegenanschluß
NPT - männlich

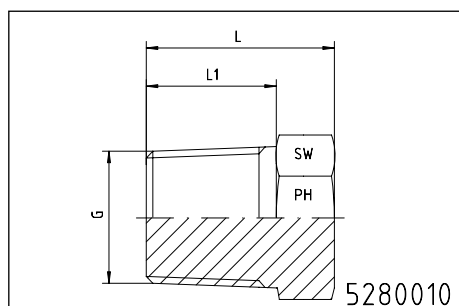
BSP - female
with swivel nut for 60°-connection
NPT - male



Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code BSP x NPT
G1 = BSP	G = NPT	L	L1	D	D1	SW	SW1	
1/8"-28	1/8"-27		10,0					2280511-02-02
1/4"-19	1/4"-18	32,0	15,0	7,0	5,0	14	19	2280511-04-04
3/8"-19	3/8"-18	33,0	15,3	10,0	8,0	19	22	2280511-06-06
1/2"-14	1/2"-14	42,0	20,0	13,5	9,5	22	27	2280511-08-08
3/4"-14	3/4"-14	43,0	20,0	16,5	16,5	27	32	2280511-12-12
1"-11	1"-11	49,5	25,0	24,0	21,0	36	41	2280511-16-16
1 1/4"-11	1 1/4"-11,5	53,0	25,5	28,0	28,0	46	50	2280511-20-20
1 1/2"-11	1 1/2"-11,5	57,0	26,0	32,5	32,5	50	55	2280511-24-24
2"-11	2"-11,5		26,0			65	70	2280511-32-32
3/8"-19	1/4"-18	33,6	15,0	7,0	7,0	17	22	2280511-06-04
1/4"-19	3/8"-18	32,0	15,3	10,3	5,0	19	19	2280511-04-06
1/2"-14	3/8"-18	34,8	15,3	10,3	9,5	19	27	2280511-08-06
3/8"-19	1/2"-14	40,8	20,0	13,5	8,0	22	22	2280511-06-08
1/2"-14	3/4"-14		20,0		9,5	27	27	2280511-08-12
3/4"-14	1"-11,5		25,0			36	32	2280511-12-16

VERSCHLUßSTOPFEN - NPT

NPT-PLUG



Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
G = NPT	L	L1	SW	
1/8"-27	15	10,0	12	5280010-02
1/4"-18	20	15,0	14	5280010-04
3/8"-18	22	15,3	17	5280010-06
1/2"-14	27	20,0	22	5280010-08
3/4"-14	29	20,0	27	5280010-12
1"-11,5	33	25,0	36	5280010-16
1 1/4"-11,5	33	25,5	46	5280010-20
1 1/2"-11,5	41	26,0	50	5280010-24
2"-11,5	44	26,0	65	5280010-32

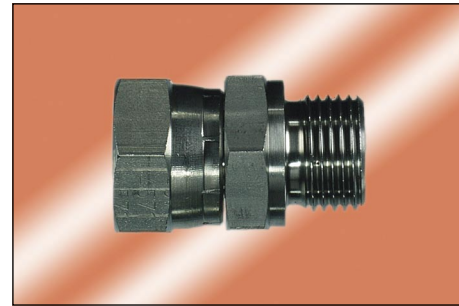
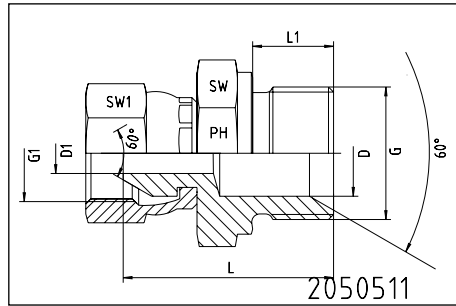
GERADE ADAPTER



STRAIGHT ADAPTORS

BSP - weiblich
mit drehbarer Mutter
BSP - männlich
mit 60°-Konus und angedrehter Dichtkante Form B

BSP - female
with swivel nut
BSP - male
with 60°-cone and sealing shoulder form B



Gewinde Thread		ca. Maße approx. dimensions							Bestellzeichen Order-Code
G1	G	L	L1	D	D1	SW	SW1	G1 x G	
1/8"-28	1/8"-28	23,5	8	4,0	4,0	14	14	2050511-02-02	
1/4"-19	1/8"-28	27,0	8	4,0	4,0	14	19	2050511-04-02	
3/8"-19	1/8"-28	26,0	8	4,5	4,5	17	19	2050511-06-02	
1/8"-28	1/4"-19	27,5	12	4,0	4,0	19	14	2050511-02-04	
1/4"-19	1/4"-19	30,0	12	5,0	5,0	19	19	2050511-04-04	
3/8"-19	1/4"-19	31,5	12	5,0	8,0	19	22	2050511-06-04	
1/2"-14	1/4"-19	31,5	12	5,0	11,0	19	27	2050511-08-04	
1/4"-19	3/8"-19	31,5	12	9,0	5,0	22	19	2050511-04-06	
3/8"-19	3/8"-19	32,5	12	8,0	8,0	22	22	2050511-06-06	
1/2"-14	3/8"-19	32,5	12	9,0	9,0	22	27	2050511-08-06	
1/4"-19	1/2"-14	35,5	14	11,5	5,0	27	19	2050511-04-08	
3/8"-19	1/2"-14	40,0	14	11,5	8,0	27	22	2050511-06-08	
1/2"-14	1/2"-14	36,0	14	11,0	11,0	27	27	2050511-08-08	
3/4"-14	1/2"-14	42,0	14	11,5	16,0	27	32	2050511-12-08	
1/2"-14	3/4"-14	39,5	16	11,0	11,0	32	27	2050511-08-12	
3/4"-14	3/4"-14	41,0	16	16,5	16,5	32	32	2050511-12-12	
1"-11	3/4"-14	44,0	18	17,0	22,0	32	41	2050511-16-12	
3/4"-14	1"-11	45,0	18	22,5	16,5	41	32	2050511-12-16	
1"-11	1"-11	45,5	18	22,0	22,0	41	41	2050511-16-16	
1 1/4"-11	1"-11	53,0	18	22,0	22,0	41	50	2050511-20-16	
1"-11	1 1/4"-11	49,5	20	29,0	22,5	50	41	2050511-16-20	
1 1/4"-11	1 1/4"-11	48,5	20	28,0	28,0	50	50	2050511-20-20	
1 1/2"-11	1 1/2"-11	53,0	22	33,0	33,0	55	55	2050511-24-24	
2"-11	2"-11	72,0	23	42,0	42,0	70	70	2050511-32-32	

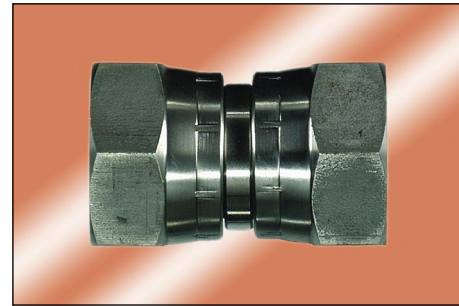
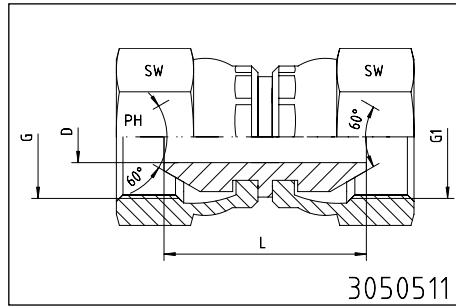
GERADE ADAPTER - DKR



STRAIGHT ADAPTORS - DKR

weiblich - BSP - BSP
mit drehbarer Mutter an beiden Seiten

female - BSP - BSP
with swivel nut at both sides



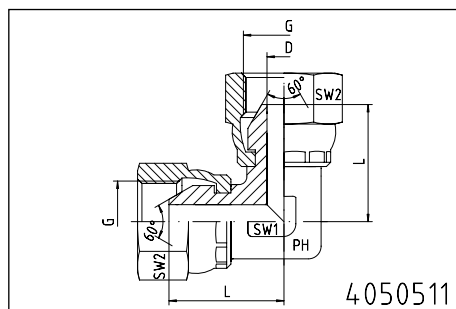
Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
G	G1	L	D	SW	
1/8"-28	1/8"-28	21	4,0	14	3050511-02-02
1/4"-19	1/4"-19	26	5,0	19	3050511-04-04
3/8"-19	3/8"-19	30	8,0	22	3050511-06-06
1/2"-14	1/2"-14	29	11,0	27	3050511-08-08
3/4"-14	3/4"-14	34	16,5	32	3050511-12-12
1"-11	1"-11	36	22,0	41	3050511-16-16
1 1/4"-11	1 1/4"-11	38	28,0	50	3050511-20-20
1 1/2"-11	1 1/2"-11	51	34,0	55	3050511-24-24
2"-11	2"-11	66	42,0	70	3050511-32-32

WINKEL-ADAPTER - DKR

ELBOW-ADAPTORS - DKR

weiblich - BSP - BSP
mit drehbarer Mutter an beiden Seiten

female - BSP - BSP
with swivel nut at both sides



Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
	L	D	SW1	SW2	
1/8"-28			12	14	4050511-02
1/4"-19	23,5	6	14	19	4050511-04
3/8"-19	25,5	8	17	22	4050511-06
1/2"-14	29,5	11	19	27	4050511-08
3/4"-14	37,0	16	27	32	4050511-12
1"-11	43,0	22	36	41	4050511-16
1 1/4"-11	51,0	28	41	50	4050511-20
1 1/2"-11			50	55	4050511-24
2"-11				70	4050511-32

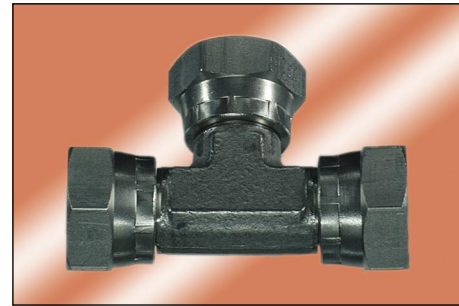
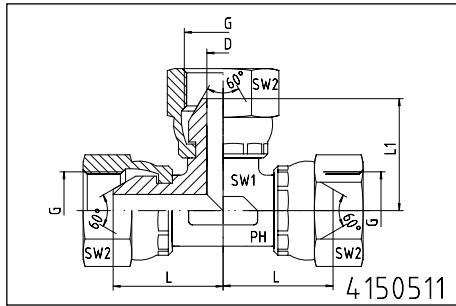
T-ADAPTER - DKR



T-ADAPTORS - DKR

weiblich - BSP - BSP - BSP
mit drehbarer Mutter an allen Seiten

female - BSP - BSP - BSP
with swivel nut at all sides



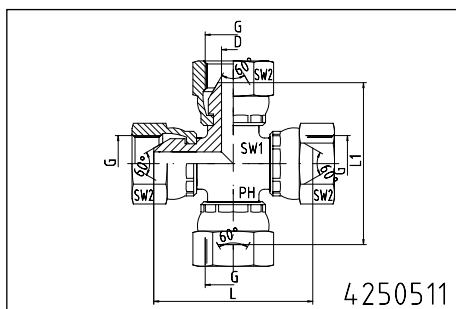
Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
	L	L1	D	SW1	SW2	
1/8"-28				12	14	4150511-02
1/4"-19	23,5	23,5	6	14	19	4150511-04
3/8"-19	25,5	25,5	8	17	22	4150511-06
1/2"-14	29,5	29,5	11	19	27	4150511-08
3/4"-14	37,0	37,0	16	27	32	4150511-12
1"-11	43,0	43,0	22	36	41	4150511-16
1 1/4"-11	51,0	51,0	28	41	50	4150511-20
1 1/2"-11				50	55	4150511-24
2"-11					70	4150511-32

K-ADAPTER - DKR

K-ADAPTORS - DKR

weiblich - BSP - alle Seiten
mit drehbarer Mutter an allen Seiten

female - BSP - all sides
with swivel nut at all sides



Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
	L	L1	D	SW1	SW2	
1/8"-28						4250511-02
1/4"-19					19	4250511-04
3/8"-19					22	4250511-06
1/2"-14					27	4250611-08
3/4"-14					32	4250511-12
1"-11					41	4250511-16
1 1/4"-11					50	4250511-20
1 1/2"-11					55	4250511-24
2"-11					70	4250511-32

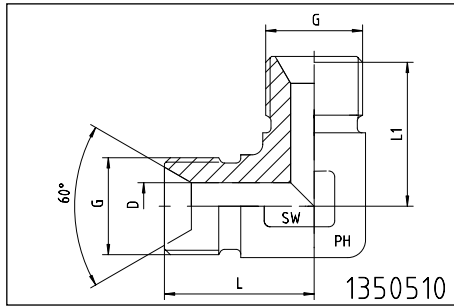
WINKEL-ADAPTER



ELBOW-ADAPTORS

männlich - BSP - BSP

male - BSP - BSP



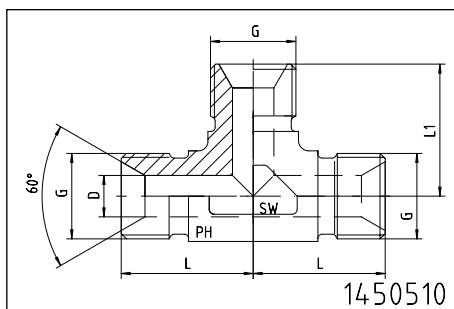
Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
	L	L1	D	SW	
1/8"-28				12	1350510-02
1/4"-19	24,5	24,5	6,0	14	1350510-04
3/8"-19	25,5	25,5	8,0	17	1350510-06
1/2"-14	29,5	29,5	11,0	19	1350510-08
3/4"-14	37,0	37,0	16,0	27	1350510-12
1"-11	43,0	43,0	22,0	36	1350510-16
1 1/4"-11	51,0	51,0	28,5	41	1350510-20
1 1/2"-11				50	1350510-24
2"-11					1350510-32

T-ADAPTER

T-ADAPTORS

männlich - BSP - BSP - BSP

male - BSP - BSP - BSP



Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
	L	L1	D	SW	
1/8"-28				12	1450510-02
1/4"-19	24,5	24,5	6,0	14	1450510-04
3/8"-19	25,5	25,5	8,0	17	1450510-06
1/2"-14	29,5	29,5	11,0	19	1450510-08
3/4"-14	37,0	37,0	16,0	27	1450510-12
1"-11	43,0	43,0	22,0	36	1450510-16
1 1/4"-11	51,0	51,0	28,5	41	1450510-20
1 1/2"-11				50	1450510-24
2"-11					1450510-32

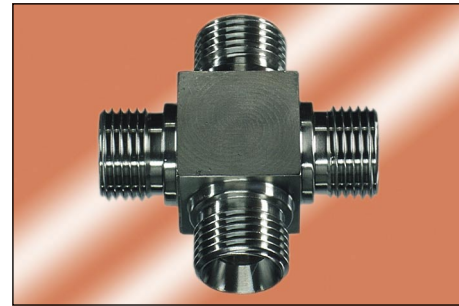
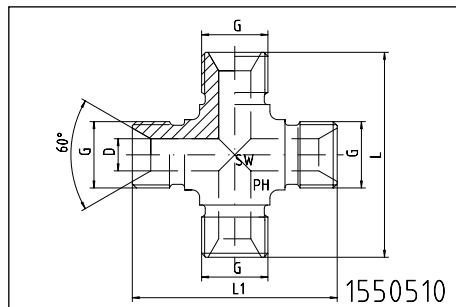
KREUZ-ADAPTER



CROSS-ADAPTORS

männlich - BSP - alle Seiten

male - BSP - all sides



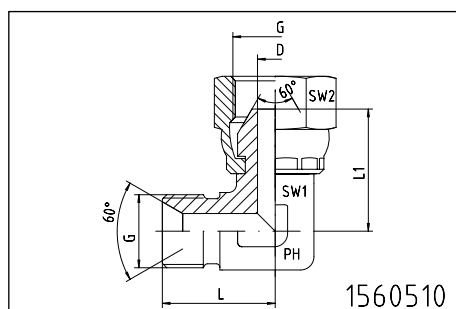
Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
	L	L1	D	SW	
1/8"-28					1550510-02
1/4"-19					1550510-04
3/8"-19					1550510-06
1/2"-14					1550510-08
3/4"-14					1550510-12
1"-11					1550510-16
1 1/4"-11					1550510-20
1 1/2"-11					1550510-24
2"-11					1550510-32

WE-KOMPAKT-WINKEL-ADAPTER

WE-BLOCK-ELBOW-ADAPTORS

männlich - starr
weiblich - mit drehbarer Mutter

male - fixed
female - with swivel nut



Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
	L	L1	D	SW1	SW2	
1/8"-28				12	14	1560510-02
1/4"-19	24,5	23,5	6	14	19	1560510-04
3/8"-19	25,5	25,5	8	17	22	1560510-06
1/2"-14	29,5	29,5	11	19	27	1560510-08
3/4"-14	37,0	37,0	16	27	32	1560510-12
1"-11	43,0	43,0	22	36	41	1560510-16
1 1/4"-11	51,0	51,0	28	41	50	1560510-20
1 1/2"-11				50		1560510-24
2"-11						1560510-32

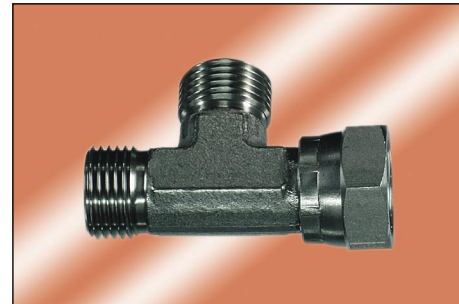
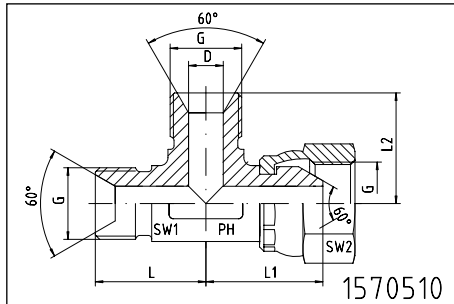
LE-ADAPTER



LE-ADAPTORS

männlich - starr - BSP
weiblich - drehbar - BSP

male - fixed - BSP
female - swivel - BSP



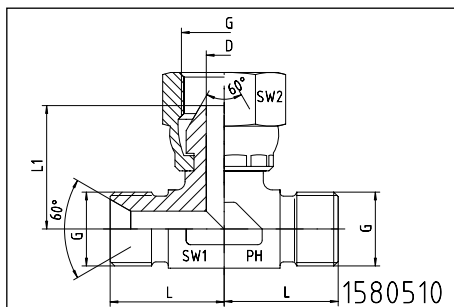
Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
	L	L1	L2	D	SW1	SW2	
1/8"-28					12	14	1570510-02
1/4"-19	24,5	24,5	24,5	6	14	19	1570510-04
3/8"-19	25,5	25,5	25,5	8	17	22	1570510-06
1/2"-14	29,5	29,5	29,5	11	19	27	1570510-08
3/4"-14	37,0	37,0	37,0	16	27	32	1570510-12
1"-11	43,0	43,0	43,0	22	36	41	1570510-16
1 1/4"-11	51,0	51,0	51,0	28	41	50	1570510-20
1 1/2"-11					50	55	1570510-24
2"-11							1570510-32

TE-ADAPTER

TE-ADAPTORS

männlich - starr - BSP
weiblich - drehbar - BSP

male - fixed - BSP
female - swivel - BSP



Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
	L	L1	D	SW1	SW2	
1/8"-28				12	14	1580510-02
1/4"-19	24,5	23,5	6	14	19	1580510-04
3/8"-19	25,5	25,5	8	17	22	1580510-06
1/2"-14	29,5	29,5	11	19	27	1580510-08
3/4"-14	37,0	37,0	16	27	32	1580510-12
1"-11	43,0	43,0	22	36	41	1580510-16
1 1/4"-11	51,0	51,0	51	41	50	1580510-20
1 1/2"-11				50	55	1580510-24
2"-11						1580510-32

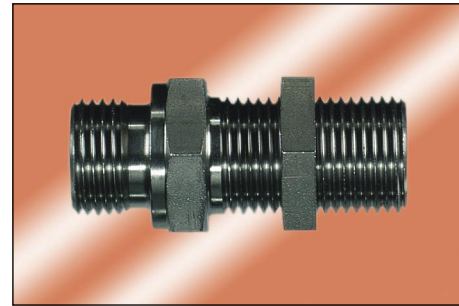
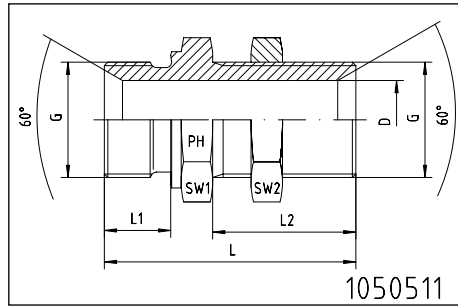
GERADE SCHOTT-ADAPTER



STRAIGHT BULKHEAD ADAPTORS

BSP - BSP
Schottausführung
mit Kontermutter und 60°-Konus

BSP male - BSP male
both sides with 60°-cone and backnut



Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
	L	L1	L2	D	SW1	SW2	
1/8"-28	42,5	8	28	4,5	14	14	1050511-02
1/4"-19	46,0	11	28	6,0	19	19	1050511-04
3/8"-19	52,0	12	32	8,0	22	22	1050511-06
1/2"-14	59,0	14	35	11,0	27	27	1050511-08
5/8"-14	63,0	16	35	14,5	30	30	1050511-10
3/4"-14	66,0	16	38	16,5	32	32	1050511-12
1"-11	72,0	19	41	22,5	41	41	1050511-16
1 1/4"-11	78,0	20	44	30,5	50	50	1050511-20
1 1/2"-11	84,0	22	48	37,0	55	55	1050511-24
2"-11	91,0	23	48	46,0	70	70	1050511-32

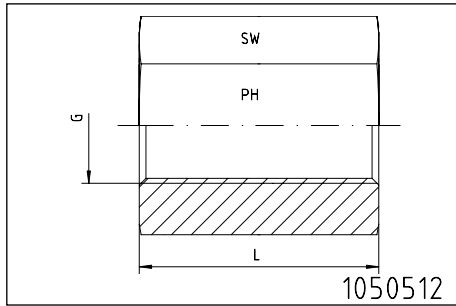
SECHSKANT-MUFFEN



HEXAGON SOCKETS

für Hochdruck
Gewinde: BSP - zylindrisch

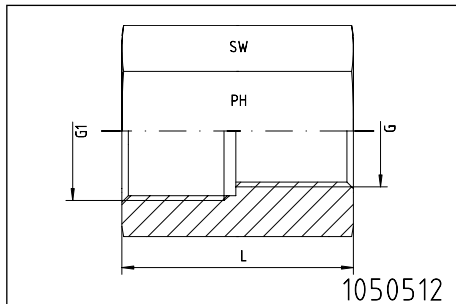
for high pressure
Thread: BSPP



Druck Pressure PN	Gewinde Thread G	ca. Maße approx. dimensions		Bestellzeichen Order-Code
		L	SW	
630	1/8"-28	18	14	1050512-02-02
630	1/4"-19	25	17	1050512-04-04
630	3/8"-19	26	22	1050512-06-06
400	1/2"-14	34	27	1050512-08-08
400	3/4"-14	36	32	1050512-12-12
400	1"-11	43	41	1050512-16-16
315	1 1/4"-11	48	50	1050512-20-20
315	1 1/2"-11	48	55	1050512-24-24
250	2"-11	56	70	1050512-32-32

für Hochdruck
Gewinde: BSP - zylindrisch

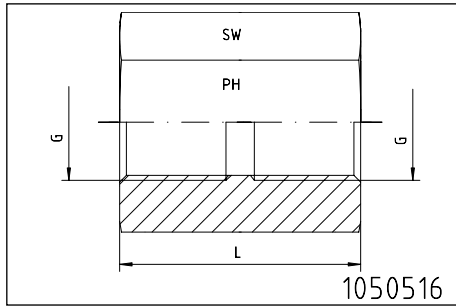
for high pressure
Thread: BSPP



Druck Pressure PN	Gewinde Thread G1 x G	ca. Maße approx. dimensions		Bestellzeichen Order-Code
		L	SW	
630	1/4" x 1/8"	25	17	1050512-04-02
630	3/8" x 1/4"	32	22	1050512-06-04
400	1/2" x 3/8"	35	27	1050512-08-06
400	1/2" x 1/4"	35	27	1050512-08-04
400	3/4" x 1/2"	38	32	1050512-12-08
400	3/4" x 3/8"	38	32	1050512-12-06
400	1" x 3/4"	42	41	1050512-16-12
400	1" x 1/2"	42	41	1050512-16-08
315	1 1/4" x 1"	48	50	1050512-20-16
315	1 1/2" x 1 1/4"	48	55	1050512-24-20
250	2" x 1 1/2"	56	70	1050512-32-24

für Hochdruck
NPT-Innengewinde

for high pressure
NPT-internal thread



Druck Pressure PN	Gewinde Thread G = NPT	ca. Maße approx. dimensions		Bestellzeichen Order-Code
		L	SW	
630	1/8"-27	18	14	1050516-02
630	1/4"-18	25	17	1050516-04
630	3/8"-18	26	22	1050516-06
630	1/2"-14	34	27	1050516-08
400	3/4"-14	36	32	1050516-12
400	1"-11,5	43	41	1050516-16
400	1 1/4"-11,5	48	50	1050516-20
400	1 1/2"-11,5	48	55	1050516-24
315	2"-11,5	56	70	1050516-32

VERSCHLUßKAPPEN

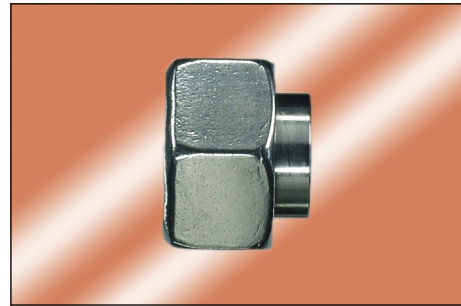
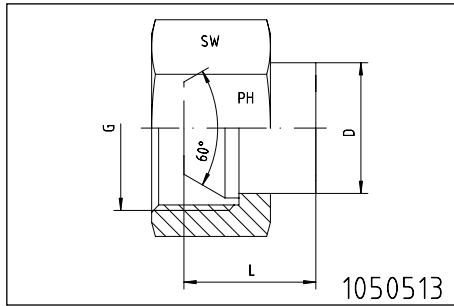


BSP-FEMALE-SWIVEL CAPS

für BSP-Gewinde
mit 60°-Innenkonus

for BSP-thread
with 60°-cone

Verschluß - DKR



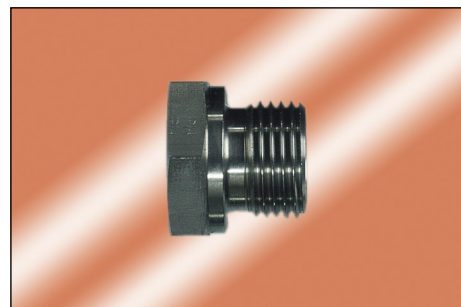
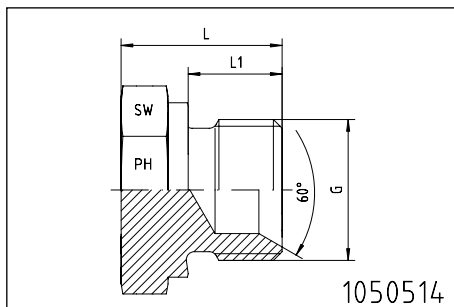
Gewinde Thread G = BSP	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	L	D	SW	
1/8"-28	11		14	1050513-02
1/4"-19	15	9,0	17	1050513-04
3/8"-19	15	12,4	19	1050513-06
1/2"-14	17	16,4	27	1050513-08
5/8"-14				1050513-10
3/4"-14	19	21,3	32	1050513-12
1"-11	20	27,8	41	1050513-16
1 1/4"-11	22	36,0	50	1050513-20
1 1/2"-11	25		55	1050513-24
2"-11	31	54,5	70	1050513-32

VERSCHLUßSTOPFEN - BSP

BSP-60°-CONED PLUG

mit Außen-Sechskant
und 60°-Innenkonus

with hexagon



Gewinde Thread G = BSP	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	L	L1	SW	
1/8"-28	14,0	8	14	1050514-02
1/4"-19	17,0	10	19	1050514-04
3/8"-19	20,5	12	22	1050514-06
1/2"-14	24,0	14	27	1050514-08
5/8"-14				1050514-10
3/4"-14	27,0	16	32	1050514-12
1"-11	31,0	18	41	1050514-16
1 1/4"-11	33,0	20	50	1050514-20
1 1/2"-11	36,0	22	55	1050514-24
2"-11	36,0	22	70	1050514-32

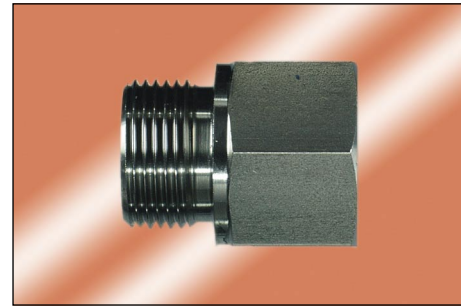
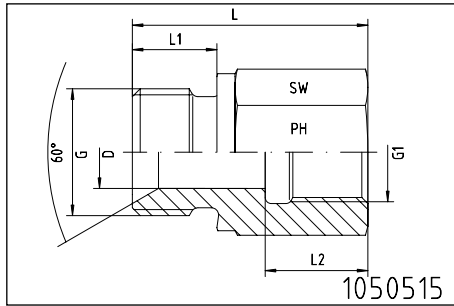
SECHSKANT-ADAPTER



HEXAGON-ADAPTORS

BSP-Außengewinde mit 60°-Konus
und Dichtkante Form B
BSP-Innengewinde

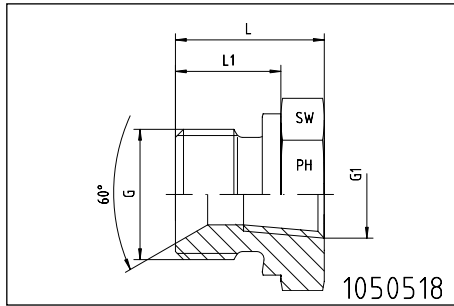
with 60°-cone
and sealing shoulder form B
BSP male - BSP female



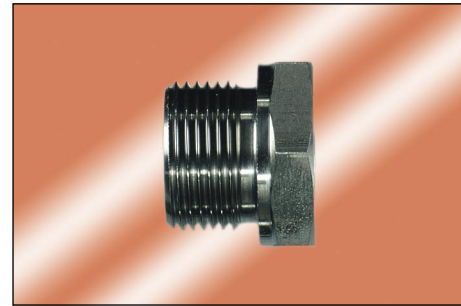
Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
G = BSP	G1 = BSP	L	L1	L2	D	SW	
1/8"-28	1/8"-28	23,5	8	11,0	4,5	17	1050515-02-02
1/4"-19	1/4"-19	32,0	10	17,0	6,0	19	1050515-04-04
3/8"-19	3/8"-19	36,0	12	17,0	9,0	24	1050515-06-06
1/2"-14	1/2"-14	39,0	14	20,0	12,0	27	1050515-08-08
3/4"-14	3/4"-14	45,0	16	22,5	18,0	32	1050515-12-12
1"-11	1"-11	49,5	18	24,5	22,0	41	1050515-16-16
1 1/4"-11	1 1/4"-11	58,0	20	27,0	25,0	50	1050515-20-20
1 1/2"-11	1 1/2"-11	58,0	22	27,5	37,0	55	1050515-24-24
2"-11	2"-11	64,5	23	30,5	43,0	70	1050515-32-32

BSP-Außengewinde
mit 60°-Konus
NPT-Innengewinde

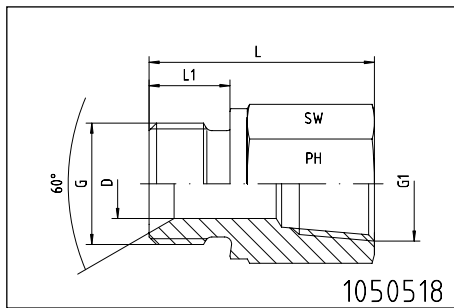
BSP - male
with 60°-cone
NPT - female



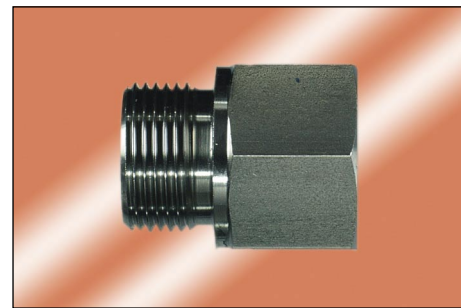
Form: A



Form: A



Form: B

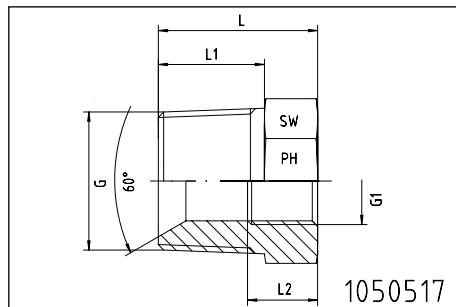


Form: B

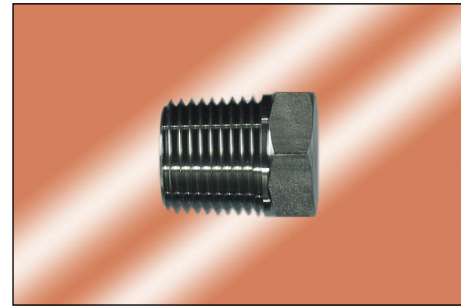
Gewinde Thread		ca. Maße approx. dimensions				SW	Form Form	Bestellzeichen Order-Code
G = BSP	G1 = NPT	L	L1	D				
1/8"-28	1/8"-27						B	1050518-02-02
1/8"-28	1/4"-18						B	1050518-02-04
1/4"-19	1/8"-27						B	1050518-04-02
1/4"-19	1/4"-18						B	1050518-04-04
1/4"-19	3/8"-18						B	1050518-04-06
1/4"-19	1/2"-14						B	1050518-04-08
3/8"-19	1/4"-18						B	1050518-06-04
3/8"-19	3/8"-18						B	1050518-06-06
3/8"-19	1/2"-14						B	1050518-06-08
1/2"-14	1/4"-18						A	1050518-08-04
1/2"-14	3/8"-18						A	1050518-08-06
1/2"-14	1/2"-14						B	1050518-08-08
1/2"-14	3/4"-14						B	1050518-08-12
3/4"-14	3/8"-18						A	1050518-12-06
3/4"-14	1/2"-14						A	1050518-12-08
3/4"-14	3/4"-14						B	1050518-12-12
3/4"-14	1"-11,5						B	1050518-12-16
1"-11	1/2"-14						A	1050518-16-08
1"-11	3/4"-14						A	1050518-16-12
1"-11	1"-11,5						B	1050518-16-16
1 1/4"-11	3/4"-14						A	1050518-20-12
1 1/4"-11	1"-11,5						A	1050518-20-16
1 1/4"-11	1 1/4"-11,5						B	1050518-20-20
1 1/2"-11	1"-11,5						A	1050518-24-16
1 1/2"-11	1 1/4"-11,5						A	1050518-24-20
1 1/2"-11	1 1/2"-11,5						B	1050518-24-24
2"-11	2"-11,5						B	1050518-32-32

NPT-Außengewinde
mit 60°-Konus
BSP-Innengewinde

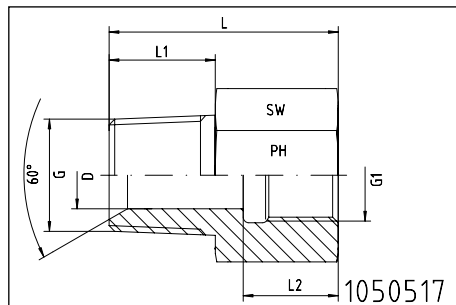
NPT - male
with 60°-cone
BSP - female



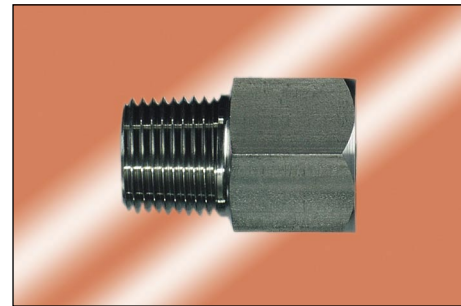
Form: A



Form: A



Form: B



Form: B

Gewinde Thread		ca. Maße approx. dimensions					SW	Form Form	Bestellzeichen Order-Code
G = NPT	G1 = BSP	L	L1	L2	D				
1/8"-27	1/8"-28						B	1050517-02-02	
1/8"-27	1/4"-19						B	1050517-02-04	
1/4"-18	1/8"-28						B	1050517-04-02	
1/4"-18	1/4"-19						B	1050517-04-04	
1/4"-18	3/8"-19						B	1050517-04-06	
1/4"-18	1/2"-14						B	1050517-04-08	
3/8"-18	1/4"-19						B	1050517-06-04	
3/8"-18	3/8"-19						B	1050517-06-06	
3/8"-18	1/2"-14						B	1050517-06-08	
1/2"-14	1/4"-19						A	1050517-08-04	
1/2"-14	3/8"-19						B	1050517-08-06	
1/2"-14	1/2"-14						B	1050517-08-08	
1/2"-14	3/4"-14						B	1050517-08-12	
3/4"-14	3/8"-19						A	1050517-12-06	
3/4"-14	1/2"-14						B	1050517-12-08	
3/4"-14	3/4"-14						B	1050517-12-12	
3/4"-14	1"-11						B	1050517-12-16	
1"-11,5	1/2"-14						A	1050517-16-08	
1"-11,5	3/4"-14						B	1050517-16-12	
1"-11,5	1"-11						B	1050517-16-16	
1"-11,5	1 1/4"-11						B	1050517-16-20	
1 1/4"-11,5	3/4"-14						A	1050517-20-12	
1 1/4"-11,5	1"-11						B	1050517-20-16	
1 1/4"-11,5	1 1/4"-11						B	1050517-20-20	
1 1/4"-11,5	1 1/2"-11						B	1050517-20-24	
1 1/2"-11,5	1"-11						A	1050517-24-16	
1 1/2"-11,5	1 1/4"-11						B	1050517-24-20	
1 1/2"-11,5	1 1/2"-11						B	1050517-24-24	
1 1/2"-11,5	2"-11						B	1050517-24-32	

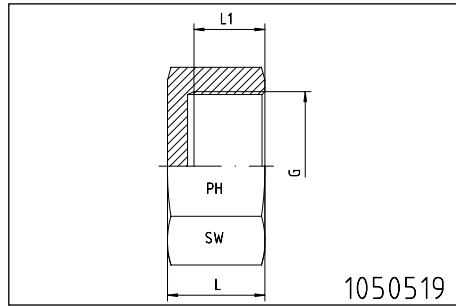
SECHSKANT-KAPPEN



HEXAGON CAPS

mit BSP-Innengewinde

with BSP-thread female



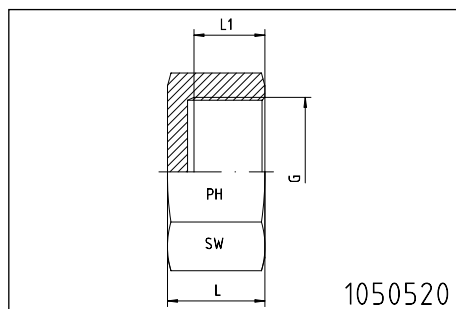
Gewinde Thread G = BSP	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	L	L1	SW	
1/8"-28	15,0	10,0	14	1050519-02
1/4"-19	18,0	12,5	17	1050519-04
3/8"-19	19,0	13,0	22	1050519-06
1/2"-14	21,0	14,5	27	1050519-08
5/8"-14				1050519-10
3/4"-14	24,5	18,5	32	1050519-12
1"-11	25,0	19,0	41	1050519-16
1 1/4"-11	29,0	22,0	50	1050519-20
1 1/2"-11	31,0	23,5	55	1050519-24
2"-11	32,0	24,5	70	1050519-32

SECHSKANT-KAPPEN

HEXAGON CAPS

mit NPT-Innengewinde

with NPT-thread female

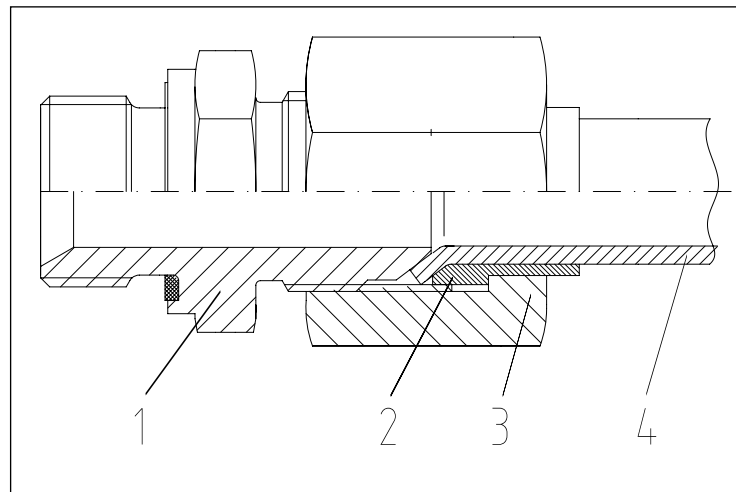


Gewinde Thread G = NPT	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	L	L1	SW	
1/8"-27	15,0	11,6	14	1050520-02
1/4"-18	18,0	16,4	17	1050520-04
3/8"-18	19,0	17,4	22	1050520-06
1/2"-14	21,0	22,6	27	1050520-08
3/4"-14	24,5	23,1	32	1050520-12
1"-11,5	25,0	27,8	41	1050520-16
1 1/4"-11,5	29,0	28,3	50	1050520-20
1 1/2"-11,5	31,0	28,3	55	1050520-24
2"-11,5	32,0		70	1050520-32

BÖRDELANSCHLÜSSE / ADAPTER 37° - DIN EN ISO 8434-2 / SAE J 514 FLARE COUPLINGS / ADAPTORS 37° - DIN EN ISO 8434-2 / SAE J 514

SAE BÖRDELANSCHLÜSSE - FUNKTION	SAE FLARE COUPLINGS - FUNCTION	6.3
MUTTERN	NUTS	6.4
DRUCKRINGE - ROHR - METRISCH	SLEEVES - TUBE - METRIC	6.5
DRUCKRINGE - ROHR - ZÖLLIG	SLEEVES - TUBE - INCH	6.6
JIC - 37° - ADAPTER - GERADE VERBINDER	JIC - 37° - ADAPTORS - STRAIGHT UNIONS	6.7
JIC - 37° - WINKEL-ADAPTER - 90°-WINKELVERBINDER	JIC - 37° - ADAPTORS - 90°-ELBOW CONNECTORS	6.7
JIC - 37° - T-VERBINDER	JIC - 37° - T-CONNECTORS	6.8
JIC - 37° - ADAPTER - GERADE - JIC - MÄNNLICH X BSP - MÄNNLICH	JIC - 37° - ADAPTORS - STRAIGHT - JIC - MALE X BSP - MALE	6.9
JIC - 37° - ADAPTER - GERADE - JIC - MÄNNLICH X NPT - MÄNNLICH	JIC - 37° - ADAPTORS - STRAIGHT - JIC - MALE X NPT - MALE	6.10
JIC - 37° - ADAPTER - GERADE - JIC - WEIBLICH X BSP - MÄNNLICH	JIC - 37° - ADAPTORS - STRAIGHT - JIC - FEMALE X BSP - MALE	6.11
JIC - 37° - ADAPTER - GERADE - JIC - WEIBLICH X JIC - WEIBLICH	JIC - 37° - ADAPTORS - STRAIGHT - JIC - FEMALE X JIC FEMALE	6.11
JIC - 37° - ADAPTER - GERADE - JIC - WEIBLICH X JIC - MÄNNLICH	JIC - 37° - ADAPTORS - STRAIGHT - JIC - FEMALE X JIC MALE	6.12
JIC - 37° - ADAPTER - VERSCHLUßSTOPFEN	JIC - 37° - ADAPTORS - CONED PLUG	6.13
JIC - 37° - ADAPTER - 90°-WINKEL - JIC - MÄNNLICH X NPT - MÄNNLICH	JIC - 37° - ADAPTORS - 90°-ELBOW - JIC - MALE X NPT - MALE	6.14
JIC - 37° - VERSCHRAUBUNGEN - GERADE SCHOTTVERSCHRAUBUNGEN	JIC - 37° - CONNECTIONS - STRAIGHT BULKHEAD CONNECTIONS	6.15
JIC - 37° - GERADE ADAPTER - JIC - WEIBLICH X NPT - MÄNNLICH	JIC - 37° - STRAIGHT ADAPTORS - JIC - FEMALE X NPT - MALE	6.16
JIC - 37° - WINKEL-ADAPTER - JIC - WEIBLICH X NPT - MÄNNLICH	JIC - 37° - ADAPTORS - 90°-ELBOW - JIC - FEMALE X NPT - MALE	6.17
JIC - 37° - WINKEL-ADAPTER - JIC - WEIBLICH X JIC - MÄNNLICH	JIC - 37° - ADAPTORS - 90°-ELBOW - JIC - FEMALE X JIC - MALE	6.18
JIC - 37° - TE-ADAPTER - JIC - WEIBLICH X JIC - MÄNNLICH	JIC - 37° - TEE-ADAPTORS - JIC - FEMALE X JIC - MALE	6.19
JIC - 37° - LE-ADAPTER - JIC - WEIBLICH X JIC - MÄNNLICH	JIC - 37° - TEE-ADAPTORS - JIC - FEMALE X JIC - MALE	6.20

Bördelanschluß 37°
nach SAE J 514
und ISO 8434 Teil 2



Flare tube 37°
to SAE J 514
and ISO 8434 part 2

Die Bördelverschraubung nach SAE J 514 und ISO 8434-2 besteht aus Verschraubungsstutzen 1, Druckring 2 und Überwurfmutter 3. Durch Austauschen des Druckringes ist die gleiche Verschraubung für metrisches und zölliges Rohr, das unter 37° gebördelt wurde, verwendbar.

Bei der Montage wird das gebördelte Rohr 4 zwischen Druckring und Verschraubungsstutzen eingeklemmt und festgehalten. Der Druckring zentriert und stützt hierbei das Rohr und dient gleichzeitig als Sicherung gegen Verdrehen und Vibration.

Da er sich beim Anziehen der Überwurfmutter nicht mitdreht, werden Spannungen am Rohrsystem vermieden. Die entstandene, rein metallische Dichtung garantiert eine hohe Sicherheit.

Auf Anfrage auch mit O-Ring Dichtung am Verschraubungsstutzen 1 lieferbar.

The flare coupling to SAE J 514 and ISO 8434-2 comprises a coupling body 1, pressure ring 2 and securing nut 3. By exchanging the pressure ring, the same coupling can be used with both metric and inch size pipe flared at less than 37°.

On fitting, the flared tube 4 is wedged and held between the pressure ring and the coupling body. The pressure ring centres and supports the tube at the same time preventing it from twisting and dampening vibration.

As it does not turn with the securing nut, no tension is transmitted to the tube system. The result is an extremely dependable metal seal.

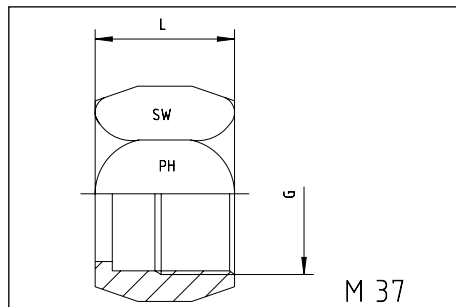
On request with o-ring seal on the coupling body 1.

für 37°-Bördelverschraubungen

nach SAE J 514 und ISO 8434 Teil 2

for 37°-flare couplings

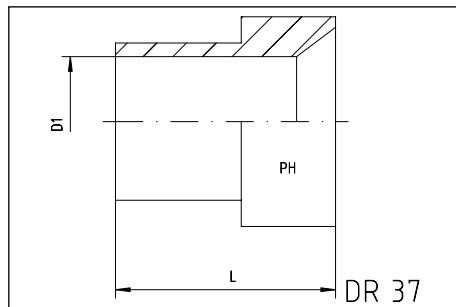
to SAE J 514 and ISO 8434 part 2



Rohr A.D. Tube O.D.		Gewinde Thread G	L	SW	Bestellzeichen Order-Code
mm	in.				
6	1/4"	7/16"-20 UNF	15,5	14	M 37-06-04
8	5/16"	1/2"-20 UNF	17,0	17	M 37-08-05
10	3/8"	9/16"-18 UNF	18,3	19	M 37-10-06
12	1/2"	3/4"-16 UNF	21,3	22	M 37-12-08
14, 15, 16	5/8"	7/8"-14 UNF	24,6	27	M 37-16-10
18, 20	3/4"	1 1/16"-12 UN	25,9	32	M 37-20-12
22, 25	1"	1 5/16"-12 UN	28,4	41	M 37-25-16
28, 30, 32	1 1/4"	1 5/8"-12 UN	31,0	50	M 37-30-20
35, 38	1 1/2"	1 7/8"-12 UN	35,8	60	M 37-38-24
50	2"	2 1/2"-12 UN	44,2	75	M 37-50-32

für 37°-Bördelverschraubung
Rohr - metrisch

nach SAE J 514 und ISO 8434 Teil 2



for 37°-flare couplings
Tube - metric

to SAE J 514 and ISO 8434 part 2



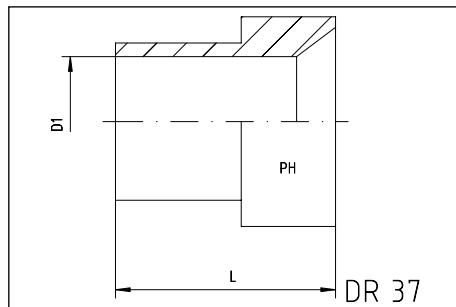
Rohr A.D. Tube O.D. mm	D1 + Tol.	L	Bestellzeichen Order-Code
6	6	10,4	DR 37-06
8	8	11,2	DR 37-08
10	10	12,7	DR 37-10
12	12	14,2	DR 37-12
14	14	14,0	DR 37-14
15	15	14,0	DR 37-15
16	16	16,8	DR 37-16
18	30	23,1	DR 37-18
20	20	17,3	DR 37-20
22	22	20,0	DR 37-22
25	25	19,8	DR 37-25
28	28	23,0	DR 37-28
30	30	23,1	DR 37-30
32	32	23,0	DR 37-32
35	35	28,4	DR 37-35
38	38	28,4	DR 37-38
50	50	30,2	DR 37-50

für 37°-Bördelverschraubung
Rohr - zöllig

nach SAE J 514 und ISO 8434 Teil 2

for 37°-flare couplings
Tube - inch

to SAE J 514 and ISO 8434 part 2



Rohr A.D. Tube O.D.		D1	L	Bestellzeichen Order-Code
in.	mm			
1/4"	6,35	6,53	10,4	DR 37-1/4"
5/16"	7,94	8,13	11,2	DR 37-5/16"
3/8"	9,52	9,73	12,7	DR 37-3/8"
1/2"	12,70	12,88	14,2	DR 37-1/2"
5/8"	15,88	16,08	16,8	DR 37-5/8"
3/4"	19,05	19,28	17,3	DR 37-3/4"
1"	25,40	25,60	19,8	DR 37-1"
1 1/4"	31,75	32,05	23,1	DR 37-1 1/4"
1 1/2"	38,10	38,40	28,4	DR 37-1 1/2"
2"	50,80	51,21	30,2	DR 37-2"

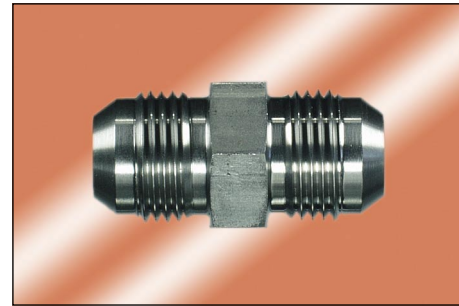
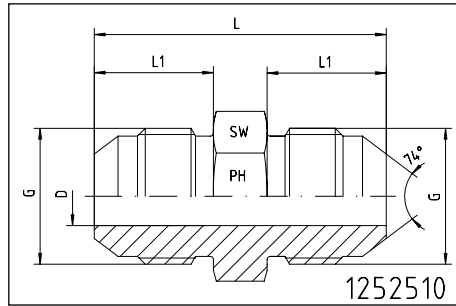
JIC - 37° - ADAPTER



JIC - 37° - ADAPTORS

Gerade Verbinder
männlich - männlich

Straight unions
male - male



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
mm	in.		L	L1	D	SW	
6	1/4"	7/16"-20 UNF	35,0	14,0	4,5	12	1252510-04-04
8	5/16"	1/2"-20 UNF	35,0	14,0	5,0	14	1252510-05-05
10	3/8"	9/16"-18 UNF	36,0	14,1	7,5	17	1252510-06-06
12	1/2"	3/4"-16 UNF	41,0	16,7	9,5	22	1252510-08-08
14, 15, 16	5/8"	7/8"-14 UNF	48,0	19,3	12,5	24	1252510-10-10
18, 20	3/4"	1 1/16"-12 UN	55,0	21,9	15,0	27	1252510-12-12
22, 25	1"	1 5/16"-12 UN	57,0	23,1	21,5	36	1252510-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN	61,5	24,3	27,5	46	1252510-20-20
35, 38	1 1/2"	1 7/8"-12 UN	70,0	27,5	33,0	50	1252510-24-24
50	2"	2 1/2"-12 UN	86,5	33,9	45,0	65	1252510-32-32

Reduzieradapter auf Anfrage!
Zum Beispiel: Rohr 20 auf 16 = Bestellzeichen: 1252510-12-10

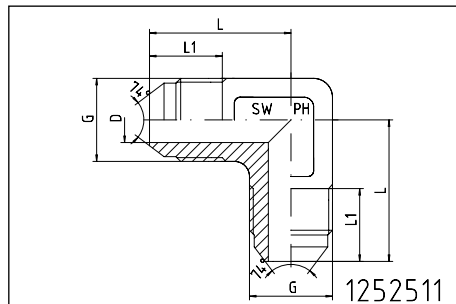
Reducers on request!
For example: tube 20 to 16 = Order-Code: 1252510-12-10

JIC - 37° - WINKEL-ADAPTER

JIC - 37° - ELBOW-ADAPTORS

90°-Winkelverbinder
männlich - männlich

90°-elbow connectors
male - male



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
mm	in.		L	L1	D	SW	
6	1/4"	7/16"-20 UNF	22,5	14,0	4,5		1252511-04-04
8	5/16"	1/2"-20 UNF	24,0	14,0	6,0		1252511-05-05
10	3/8"	9/16"-18 UNF	27,0	14,1	7,5	14	1252511-06-06
12	1/2"	3/4"-16 UNF	31,0	16,7	10,0	19	1252511-08-08
14, 15, 16	5/8"	7/8"-14 UNF	37,5	19,3	12,5	24	1252511-10-10
18, 20	3/4"	1 1/16"-12 UN	42,0	21,9	15,0	24	1252511-12-12
22, 25	1"	1 5/16"-12 UN	46,0	23,1	21,5	33	1252511-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN	52,5	24,3	27,5		1252511-20-20
35, 38	1 1/2"	1 7/8"-12 UN	59,0	27,5	33,0		1252511-24-24
50	2"	2 1/2"-12 UN	77,5	33,9	45,0		1252511-32-32

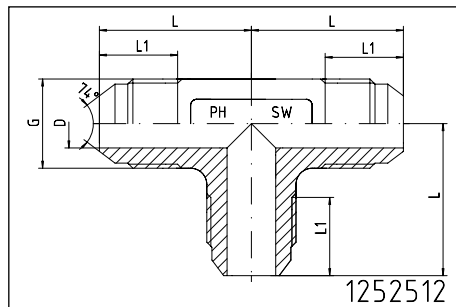
JIC - 37° - T-VERBINDER



JIC - 37° - T-CONNECTORS

alle Seiten männlich

all sides male



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
mm	in.		L	L1	D	SW	
6	1/4"	7/16"-20 UNF	22,5	14,0	4,5		1252512-04-04-04
8	5/16"	1/2"-20 UNF	24,0	14,0	6,0		1252512-05-05-05
10	3/8"	9/16"-18 UNF	27,0	14,1	7,5	14	1252512-06-06-06
12	1/2"	3/4"-16 UNF	31,0	16,7	10,0	19	1252512-08-08-08
14, 15, 16	5/8"	7/8"-14 UNF	37,5	19,3	12,5	24	1252512-10-10-10
18, 20	3/4"	1 1/16"-12 UN	42,0	21,9	15,5	24	1252512-12-12-12
22, 25	1"	1 5/16"-12 UN	46,0	23,1	21,5	33	1252512-16-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN	52,5	24,3	27,5		1252512-20-20-20
35, 38	1 1/2"	1 7/8"-12 UN	59,0	27,5	33,0		1252512-24-24-24
50	2"	2 1/2"-12 UN	77,5	33,9	45,0		1252512-32-32-32

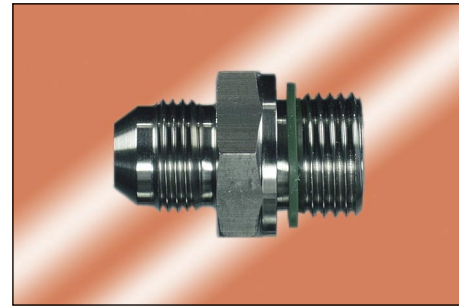
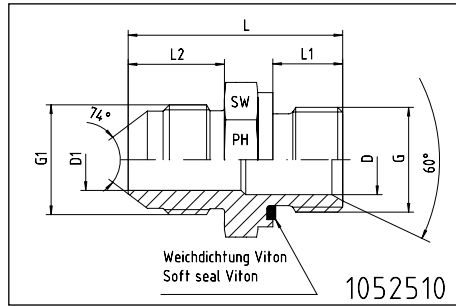
JIC - 37° - ADAPTER



JIC - 37° - ADAPTORS

JIC - männlich
 BSP - männlich
 mit gekammerter Weichdichtung

JIC - male
 BSP - male
 with captive soft seal



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code G1-G
mm	in.	G1 = UNF/UN	G = BSP	L	L1	L2	D	D1	SW	
6	1/4"	7/16"-20	1/8"-28	30,0	8	14,0	3,5	3,5	14	1052510-04-02
6	1/4"	7/16"-20	1/4"-19	34,0	12	14,0	4,0	4,0	19	1052510-04-04
6	1/4"	7/16"-20	3/8"-19	34,5	12	14,0	8,0	4,0	22	1052510-04-06
6	1/4"	7/16"-20	1/2"-14	37,5	14	14,0	11,5	4,0	27	1052510-04-08
8	5/16"	1/2"-20	1/8"-28	30,0	8	14,0	4,5	4,5	14	1052510-05-02
8	5/16"	1/2"-20	1/4"-19	34,0	12	14,0	5,0	5,0	19	1052510-05-04
8	5/16"	1/2"-20	3/8"-19	34,5	12	14,0	8,0	5,0	22	1052510-05-06
8	5/16"	1/2"-20	1/2"-14	37,5	14	14,0	11,5	5,0	27	1052510-05-08
10	3/8"	9/16"-18	1/8"-28	30,0	8	16,0	4,5	6,0	17	1052510-06-02
10	3/8"	9/16"-18	1/4"-19	33,0	10	14,0	6,0	6,0	19	1052510-06-04
10	3/8"	9/16"-18	3/8"-19	34,5	12	14,0	7,5	7,5	22	1052510-06-06
10	3/8"	9/16"-18	1/2"-14	40,0	14	14,0	12,0	7,5	27	1052510-06-08
12	1/2"	3/4"-16	1/4"-19	37,0	10	17,0	5,0	9,5	22	1052510-08-04
12	1/2"	3/4"-16	3/8"-19	41,0	12	17,0	9,0	9,0	22	1052510-08-06
12	1/2"	3/4"-16	1/2"-14	40,5	14	17,0	9,5	9,5	27	1052510-08-08
12	1/2"	3/4"-16	3/4"-14	46,0	16	17,0	17,0	9,5	32	1052510-08-12
14, 15, 16	5/8"	7/8"-14	3/8"-19	42,5	12	19,5	8,0	12,0	24	1052510-10-06
14, 15, 16	5/8"	7/8"-14	1/2"-14	43,0	14	19,5	12,0	12,0	27	1052510-10-08
14, 15, 16	5/8"	7/8"-14	5/8"-14	44,5	16	19,5	14,5	12,0	30	1052510-10-10
14, 15, 16	5/8"	7/8"-14	3/4"-14	46,0	16	19,5	17,0	12,0	32	1052510-10-12
14, 15, 16	5/8"	7/8"-14	1"-11	50,0	19	19,5	22,5	12,0	41	1052510-10-16
18, 20	3/4"	1 1/16"-12	1/2"-14	50,0	14	22,0	11,5	15,0	27	1052510-12-08
18, 20	3/4"	1 1/16"-12	3/4"-14	51,0	16	22,0	15,0	15,0	32	1052510-12-12
18, 20	3/4"	1 1/16"-12	1"-11	53,0	18	22,0	22,5	15,0	41	1052510-12-16
18, 20	3/4"	1 1/16"-12	1 1/4"-11	56,5	20	22,0	29,0	15,0	50	1052510-12-20
22, 25	1"	1 5/16"-12	3/4"-14	53,0	16	23,0	17,5	21,5	36	1052510-16-12
22, 25	1"	1 5/16"-12	1"-11	53,5	18	23,0	21,5	21,5	41	1052510-16-16
22, 25	1"	1 5/16"-12	1 1/4"-11	57,5	20	23,0	29,0	21,5	50	1052510-16-20
22, 25	1"	1 5/16"-12	1 1/2"-11	59,5	22	23,0	33,5	21,0	55	1052510-16-24
28, 30, 32	1 1/4"	1 5/8"-12	3/4"-14	56,7	16	24,3	17,0	26,5	46	1052510-20-12
28, 30, 32	1 1/4"	1 5/8"-12	1"-11	55,0	18	24,3	23,0	26,5	46	1052510-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11	59,0	20	24,3	29,0	26,5	50	1052510-20-20
28, 30, 32	1 1/4"	1 5/8"-12	1 1/2"-11	61,0	22	24,3	33,5	26,5	55	1052510-20-24
28, 30, 32	1 1/4"	1 5/8"-12	2"-11	64,3	25	24,3	46,0	26,5	70	1052510-20-32
35, 38	1 1/2"	1 7/8"-12	1"-11	71,0	19	27,5	22,5	32,0	50	1052510-24-16
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11	62,0	20	27,5	29,0	32,0	50	1052510-24-20
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11	64,0	22	27,5	33,5	32,0	55	1052510-24-24
35, 38	1 1/2"	1 7/8"-12	2"-11	67,5	25	27,5	46,0	32,0	70	1052510-24-32

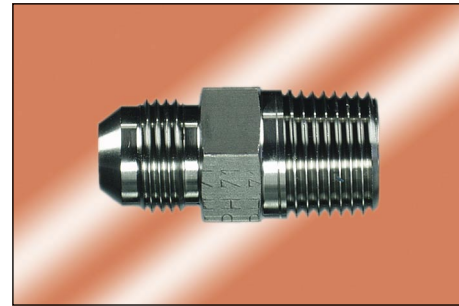
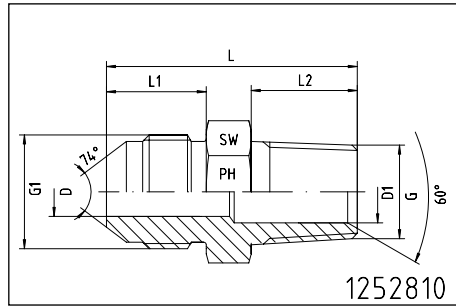
JIC - 37° - ADAPTER



JIC - 37° - ADAPTORS

JIC - männlich
NPT - männlich

JIC - male
NPT - male



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code
mm	in.	G1 = UNF/UN	G = NPT	L	L1	L2	D	D1	SW	G1-G
6	1/4"	7/16"-20	1/8"-27	31,0	14,0	10,0	4,0	4,0	13	1252810-04-02
6	1/4"	7/16"-20	1/4"-18	36,0	14,0	15,0	4,0	4,0	17	1252810-04-04
6	1/4"	7/16"-20	3/8"-18	36,0	14,0	15,3	4,0	9,0	19	1252810-04-06
8	5/16"	1/2"-20	1/8"-27	30,0	14,0	10,0	4,0	4,0	14	1252810-05-02
8	5/16"	1/2"-20	1/4"-18	36,0	14,0	15,0	5,0	5,0	17	1252810-05-04
8	5/16"	1/2"-20	3/8"-18	36,0	14,0	15,3	5,0	9,0	19	1252810-05-06
10	3/8"	9/16"-18	1/8"-27	30,0	14,0	10,0	6,0	4,0	17	1252810-06-02
10	3/8"	9/16"-18	1/4"-18	34,0	14,0	15,0	6,0	6,0	17	1252810-06-04
10	3/8"	9/16"-18	3/8"-18	34,0	14,0	15,3	6,0	6,0	19	1252810-06-06
10	3/8"	9/16"-18	1/2"-14	43,0	14,0	20,0	7,5	13,0	24	1252810-06-08
12	1/2"	3/4"-16	1/4"-18	39,0	17,0	15,0	9,0	5,0	19	1252810-08-04
12	1/2"	3/4"-16	3/8"-18	39,0	17,0	15,3	9,0	9,0	19	1252810-08-06
12	1/2"	3/4"-16	1/2"-14	45,7	17,0	20,0	9,5	9,5	22	1252810-08-08
12	1/2"	3/4"-16	3/4"-14	42,7	17,0	20,0	9,5	17,0	27	1252810-08-12
14, 15, 16	5/8"	7/8"-14	3/8"-18			15,3			22	1252810-10-06
14, 15, 16	5/8"	7/8"-14	1/2"-14	48,0	19,5	20,0	12,0	12,0	24	1252810-10-08
14, 15, 16	5/8"	7/8"-14	3/4"-14	48,2	19,5	20,0	12,0	18,0	27	1252810-10-12
18, 20	3/4"	1 1/16"-12	1/2"-14	52,2	22,0	20,0	15,0	13,5	27	1252810-12-08
18, 20	3/4"	1 1/16"-12	3/4"-14	52,3	22,0	20,0	15,0	15,0	27	1252810-12-12
18, 20	3/4"	1 1/16"-12	1"-11,5	57,5	22,0	25,0	15,0	21,0	36	1252810-12-16
22, 25	1"	1 5/16"-12	1/2"-14	53,2	23,0	20,0	21,0	13,5	36	1252810-16-08
22, 25	1"	1 5/16"-12	3/4"-14	53,0	23,0	20,0	21,0	18,0	36	1252810-16-12
22, 25	1"	1 5/16"-12	1"-11,5	58,0	23,0	25,0	21,0	21,0	36	1252810-16-16
22, 25	1"	1 5/16"-12	1 1/4"-11,5			25,5			46	1252810-16-20
22, 25	1"	1 5/16"-12	1 1/2"-11,5	62,0	23,0	26,0	21,0	32,0	50	1252810-16-24
28, 30, 32	1 1/4"	1 5/8"-12	1"-11,5	62,0	24,3	25,0	26,5	21,0	46	1252810-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11,5	62,0	24,3	25,5	26,5	31,7	46	1252810-20-20
28, 30, 32	1 1/4"	1 5/8"-12	1 1/2"-11,5	64,8	24,3	26,0	26,5	38,0	50	1252810-20-24
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11,5	68,0	27,5	26,0	32,0	32,0	50	1252810-24-24
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11,5	66,0	27,5	25,5	31,7	31,7	50	1252810-24-20
50	2"	2 1/2"-12	2"-11,5	69,0	33,9	26,0	45,0	45,0	65	1252810-32-32

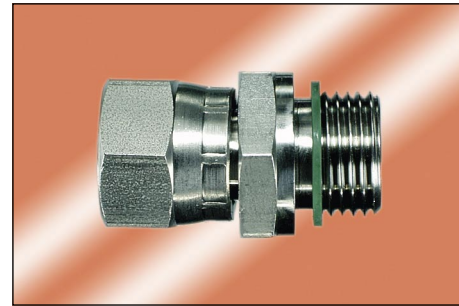
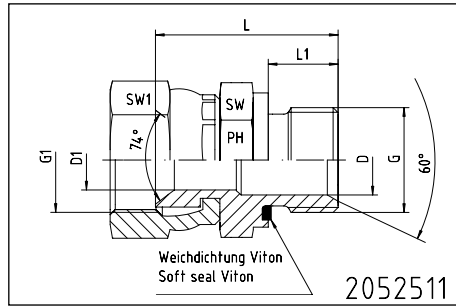
JIC - 37° - ADAPTER



JIC - 37° - ADAPTORS

BSP - männlich
mit gekammerter Weichdichtung
JIC - weiblich - drehbar

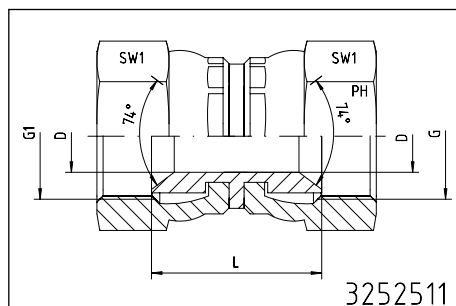
BSP - male
with captive soft seal
JIC - female - swivel



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code
mm	in.	G1 = UNF/UN	G = BSP	L	L1	D	D1	SW1	SW	G1-G
6	1/4"	7/16"-20	1/4"-18	29,0	12	4,5	4,5	17	19	2052511-04-04
8	5/16"	1/2"-20	1/4"-18	29,5	12	5,0	5,0	17	19	2052511-05-04
10	3/8"	9/16"-18	1/4"-18	30,0	12	6,0	6,0	19	19	2052511-06-04
10	3/8"	9/16"-18	3/8"-18	30,0	12	7,0	7,0	19	22	2052511-06-06
12	1/2"	3/4"-16	3/8"-18	33,5	12	9,0	9,0	24	22	2052511-08-06
12	1/2"	3/4"-16	1/2"-14	36,0	14	10,0	10,0	24	27	2052511-08-08
14, 15, 16	5/8"	7/8"-14	1/2"-14	34,0	14	12,5	12,5	27	27	2052511-10-08
14, 15, 16	5/8"	7/8"-14	5/8"-14	37,5	16	14,5	12,0	27	30	2052511-10-10
18, 20	3/4"	1 1/16"-12	3/4"-14	40,0	16	15,0	15,0	32	32	2052511-12-12
18, 20	3/4"	1 1/16"-12	1"-11					32	41	2052511-12-16
22, 25	1"	1 5/16"-12	3/4"-14	46,5	16	15,0	20,0	41	32	2052511-16-12
22, 25	1"	1 5/16"-12	1"-11	45,0	18	20,0	20,0	41	41	2052511-16-16
28, 30, 32	1 1/4"	1 5/8"-12	1"-11	50,0	18	22,0	22,0	50	41	2052511-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11	53,0	20	27,5	27,5	50	50	2052511-20-20
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11	55,0	20	29,0	29,0	55	50	2052511-24-20
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11	59,0	22	33,0	33,0	55	55	2052511-24-24

JIC - weiblich - drehbar
beide Seiten

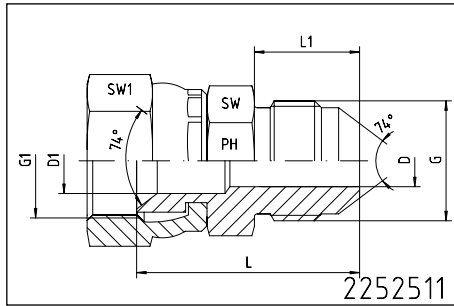
JIC - female - swivel
both sides



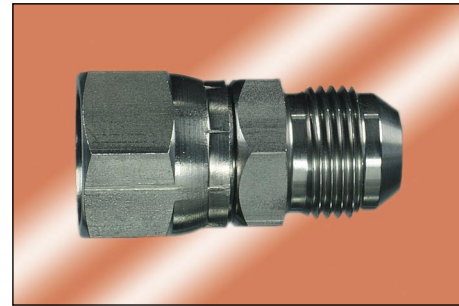
Rohr A.D. Tube O.D.		Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
mm	in.	G1	L	D	SW1	
6	1/4"	7/16"-20 UNF	21,0	4,0	17	3252511-04-04
8	5/16"	1/2"-20 UNF		5,0	17	3252511-05-05
10	3/8"	9/16"-18 UNF	24,0	7,0	19	3252511-06-06
12	1/2"	3/4"-16 UNF	25,3	10,0	24	3252511-08-08
14, 15, 16	5/8"	7/8"-14 UNF	27,5	12,0	27	3252511-10-10
18, 20	3/4"	1 1/16"-12 UN	30,0	15,0	32	3252511-12-12
22, 25	1"	1 5/16"-12 UN	32,4	21,0	41	3252511-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN		27,5	50	3252511-20-20
35, 38	1 1/2"	1 7/8"-12 UN		33,0	55	3252511-24-24

JIC - männlich
JIC - weiblich - drehbar

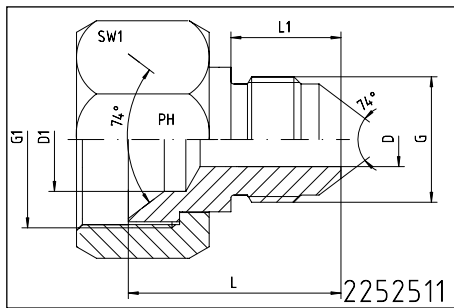
JIC - male
JIC - female - swivel



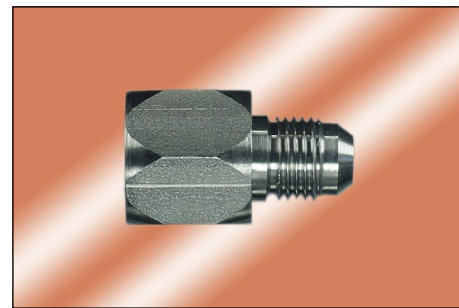
Form: A



Form: A



Form: B

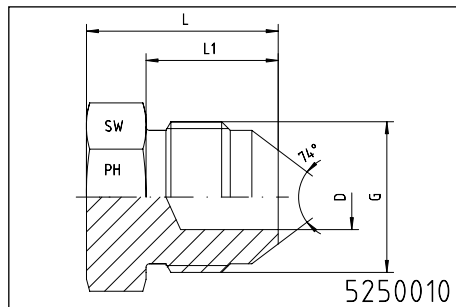


Form: B

Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions						Form Form	Bestellzeichen Order-Code G1-G
mm	in.	G1 = UNF/UN	G = UNF/UN	L	L1	D1	D	SW1	SW		
6	1/4"	7/16"-20	7/16"-20	29,0	14,0	4,0	4,0	17	12	A	2252511-04-04
6	1/4"	9/16"-18	7/16"-20	26,0	14,0	7,0	4,0	19		B	2252511-06-04
6	1/4"	3/4"-16	7/16"-20	26,0	14,0	9,0	4,0	22		B	2252511-08-04
6	1/4"	7/8"-14	7/16"-20	32,0	14,0	12,0	4,0	27		B	2252511-10-04
8	5/16"	1/2"-20	1/2"-20	30,0	14,0	5,0	5,0	17	14	A	2252511-05-05
10	3/8"	9/16"-18	9/16"-18	30,7	14,0	6,5	6,5	19	17	A	2252511-06-06
10	3/8"	3/4"-16	9/16"-18	26,0	14,0	9,0	7,5	22		B	2252511-08-06
10	3/8"	7/8"-14	9/16"-18	28,0	14,0	11,0	7,5	27		B	2252511-10-06
12	1/2"	9/16"-18	3/4"-16	34,5	17,0	7,0	9,5	19	22	A	2252511-06-08
12	1/2"	3/4"-16	3/4"-16	35,5	17,0	9,5	9,5	24	22	A	2252511-08-08
12	1/2"	7/8"-14	3/4"-16	36,5	17,0	11,0	9,5	27	20	A	2252511-10-08
12	1/2"	1 1/16"-12	3/4"-16	33,0	17,0	15,0	9,5	32		B	2252511-12-08
14, 15, 16	5/8"	3/4"-16	7/8"-14	39,4	19,5	10,0	12,0	24	24	A	2252511-08-10
14, 15, 16	5/8"	7/8"-14	7/8"-14	40,5	19,5	12,0	12,0	27	24	A	2252511-10-10
14, 15, 16	5/8"	1 1/16"-12	7/8"-14	40,6	19,5	15,0	12,0	32	25	A	2252511-12-10
18, 20	3/4"	7/8"-14	1 1/16"-12	45,5	22,0	12,0	15,0	27	28	A	2252511-10-12
18, 20	3/4"	1 1/16"-12	1 1/16"-12	45,6	22,0	15,0	15,0	32	32	A	2252511-12-12
22, 25	1"	1 5/16"-12	1 5/16"-12	48,7	23,0	21,0	21,0	41	36	A	2252511-16-16
22, 25	1"	1 5/8"-12	1 5/16"-12	56,9	23,0	26,0	21,0	50		B	2252511-20-16
22, 25	1"	1 7/8"-12	1 5/16"-12	42,0	23,0	30,0	21,0	60		B	2252511-24-16
28, 30, 32	1 1/2"	1 5/16"-12	1 5/8"-12	53,0	24,3	19,0	26,5	50	46	A	2252511-16-20
28, 30, 32	1 1/4"	1 5/8"-12	1 5/8"-12	56,0	24,3	27,5	27,5	50	46	A	2252511-20-20
28, 30, 32	1 1/4"	1 7/8"-12	1 5/8"-12	62,0	24,3	32,0	26,5	55		B	2252511-24-20
35, 38	1 1/2"	1 7/8"-12	1 7/8"-12	60,0	27,5	33,0	33,0	55	50	A	2252511-24-24
35, 38	1 1/2"	2 1/2"-12	1 7/8"-12	66,5	27,5	44,0	32,0	70	65	A	2252511-32-24

Verschlußstopfen
männlich

Coned plug
male



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
mm	in.		L	L1	D	SW	
6	1/4"	7/16"-20 UNF	20,5	14,0	4,0	12	5250010-04
8	5/16"	1/2"-20 UNF	20,5	14,0	5,0	14	5250010-05
10	3/8"	9/16"-18 UNF	22,0	14,0	7,0	17	5250010-06
12	1/2"	3/4"-16 UNF	24,0	17,0	9,5	22	5250010-08
14, 15, 16	5/8"	7/8"-14 UNF	28,0	19,5	12,0	24	5250010-10
18, 20	3/4"	1 1/16"-12 UN	33,0	22,0	15,5	27	5250010-12
22, 25	1"	1 5/16"-12 UN	34,0	23,0	21,5	36	5250010-16
28, 30, 32	1 1/4"	1 5/8"-12 UN	37,7	24,3	27,5	46	5250010-20
35, 38	1 1/2"	1 7/8"-12 UN	42,5	27,5	33,0	50	5250010-24
50	2"	2 1/2"-12 UN	52,0	33,9	45,0	65	5250010-32

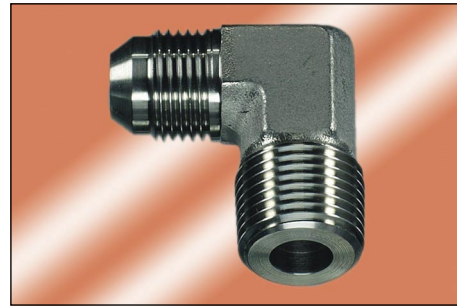
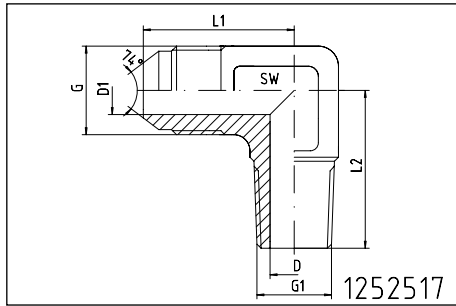
JIC - 37° - WINKEL-ADAPTER



JIC - 37° - ELBOW-ADAPTORS

Außengewinde-Einschrauber - 90°
 JIC - männlich
 NPT - männlich

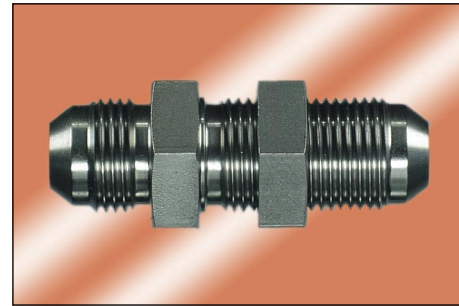
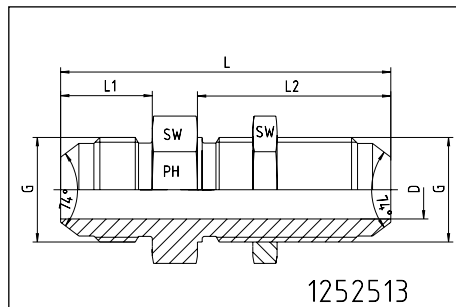
Male-90°-elbow
 JIC - male
 NPT - male



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code G-G1
mm	in.	G = UNF/UN	G1 = NPT	L1	L2	D	D1	SW	
6	1/4"	7/16"-20	1/8"-27						1252517-04-02
6	1/4"	7/16"-20	1/4"-27	28,5	26,5	4,5	4,5		1252517-04-04
6	1/4"	7/16"-20	3/8"-27						1252517-04-06
8	5/16"	1/2"-20	1/8"-27						1252517-05-02
8	5/16"	1/2"-20	1/4"-18						1252517-05-04
8	5/16"	1/2"-20	3/8"-18						1252517-05-06
10	3/8"	9/16"-18	1/8"-27	27,0	25,0	4,0	7,5	14	1252517-06-02
10	3/8"	9/16"-18	1/4"-18	27,0	25,0	7,5	7,5	14	1252517-06-04
10	3/8"	9/16"-18	3/8"-18	27,0	27,0	8,5	7,5	14	1252517-06-06
10	3/8"	9/16"-18	1/2"-14						1252517-06-08
12	1/2"	3/4"-16	1/4"-27	31,0	29,5		10,0	19	1252517-08-04
12	1/2"	3/4"-16	3/8"-18	31,0	29,5	10,0	10,0	19	1252517-08-06
12	1/2"	3/4"-16	1/2"-14	31,0	34,0	10,0	10,0	19	1252517-08-08
14, 15, 16	5/8"	7/8"-14	3/8"-18	37,5	37,0	10,0	12,5	24	1252517-10-06
14, 15, 16	5/8"	7/8"-14	1/2"-14	37,5	38,0	14,0	12,5	24	1252517-10-08
14, 15, 16	5/8"	7/8"-14	3/4"-14	37,5	41,5	15,5	12,5	24	1252517-10-12
18, 20	3/4"	1 1/16"-12	1/2"-14	42,0	38,0	14,0	15,5	24	1252517-12-08
18, 20	3/4"	1 1/16"-12	3/4"-14	42,0	41,5	15,5	15,5	24	1252517-12-12
18, 20	3/4"	1 1/16"-12	1"-11,5					24	1252517-12-16
22, 25	1"	1 5/16"-12	1/2"-14					33	1252517-16-08
22, 25	1"	1 5/16"-12	3/4"-14					33	1252517-16-12
22, 25	1"	1 5/16"-12	1"-11,5	49,0	50,0	21,0		33	1252517-16-16
28, 30, 32	1 1/4"	1 5/8"-12	1"-11,5						1252517-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11,5						1252517-20-20
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11,5						1252517-24-20
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11,5						1252517-24-24

Gerade Schottverschraubungen

Straight bulkhead connections



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions					SW	Bestellzeichen Order-Code
mm	in.		L	L1	L2	D			
6	1/4"	7/16"-20 UNF	52,5	14,0	31,5	4,0	17	1252513-04-04	
8	5/16"	1/2"-20 UNF	52,5	14,0	31,5	6,0	19	1252513-05-05	
10	3/8"	9/16"-18 UNF	55,5	14,0	33,0	7,5	22	1252513-06-06	
12	1/2"	3/4"-16 UNF	62,0	16,5	37,0	10,0	24	1252513-08-08	
14, 15, 16	5/8"	7/8"-14 UNF	69,5	19,0	40,5	12,0	30	1252513-10-10	
18, 20	3/4"	1 1/16"-12 UN	78,5	21,5	45,0	15,5	36	1252513-12-12	
22, 25	1"	1 5/16"-12 UN						1252513-16-16	
28, 30, 32	1 1/4"	1 5/8"-12 UN						1252513-20-20	
35, 38	1 1/2"	1 7/8"-12 UN						1252513-24-24	
50	2"	2 1/2"-12 UN						1252513-32-32	

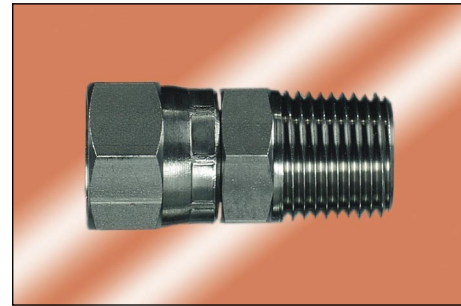
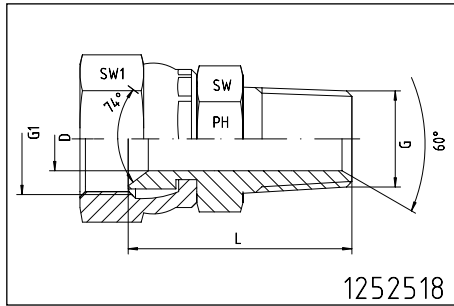
JIC - 37° - GERADE ADAPTER



JIC - 37° - STRAIGHT ADAPTORS

JIC - weiblich
NPT - männlich

JIC - female - swivel
NPT - male



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code G1 x G
mm	in.	G1 = UNF/UN	G = NPT	L	D	SW1	SW	
6	1/4"	7/16"-20	1/8"-27			17		1252518-04-02
6	1/4"	7/16"-20	1/4"-18			17		1252518-04-04
6	1/4"	7/16"-20	3/8"-18			17		1252518-04-06
8	5/16"	1/2"-20	1/8"-27			17		1252518-05-02
8	5/16"	1/2"-20	1/4"-18			17		1252518-05-04
8	5/16"	1/2"-20	3/8"-18			17		1252518-05-06
10	3/8"	9/16"-18	1/4"-18	30,0	6,0	19	17	1252518-06-04
10	3/8"	9/16"-18	3/8"-18			19		1252518-06-06
10	3/8"	9/16"-18	1/2"-14			19		1252518-06-08
12	1/2"	3/4"-16	1/4"-18			24		1252518-08-04
12	1/2"	3/4"-16	3/8"-18			24		1252518-08-06
12	1/2"	3/4"-16	1/2"-14	39,0	9,0	24	22	1252518-08-08
12	1/2"	3/4"-16	3/4"-14			24		1252518-08-12
14, 15, 16	5/8"	7/8"-14	3/8"-18			27		1252518-10-06
14, 15, 16	5/8"	7/8"-14	1/2"-14			27		1252518-10-08
14, 15, 16	5/8"	7/8"-14	3/4"-14			27		1252518-10-12
18, 20	3/4"	1 1/16"-12	1/2"-14			32	27	1252518-12-08
18, 20	3/4"	1 1/16"-12	3/4"-14	41,0	15,0	32	27	1252518-12-12
18, 20	3/4"	1 1/16"-12	1"-11,5			32		1252518-12-16
22, 25	1"	1 5/16"-12	3/4"-14			41		1252518-16-12
22, 25	1"	1 5/16"-12	1"-11,5			41		1252518-16-16
22, 25	1"	1 5/16"-12	1 1/4"-11,5			41		1252518-16-20
28, 30, 32	1 1/4"	1 5/8"-12	1"-11,5			50		1252518-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11,5			50		1252518-20-20
28, 30, 32	1 1/4"	1 5/8"-12	1 1/2"-11,5			50		1252518-20-24
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11,5			55		1252518-24-20
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11,5			55		1252518-24-24

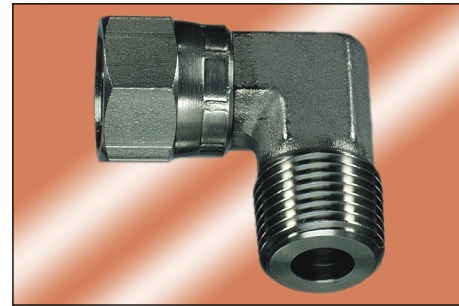
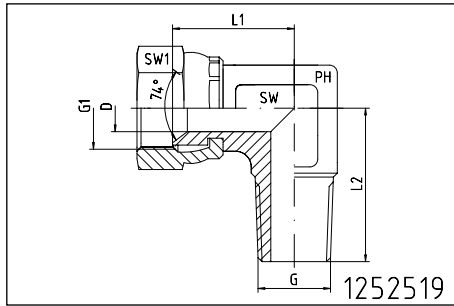
JIC - 37° - WINKEL-ADAPTER



JIC - 37° - ELBOW-ADAPTORS

Winkel-Adapter
 JIC - weiblich - drehbar
 NPT - männlich

90°-swivel-male-elbow
 JIC - female - swivel
 NPT - male



Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code G1 x G
mm	in.	G1 = UNF/UN	G = NPT	L1	L2	D	SW	SW1	
6	1/4"	7/16"-20	1/8"-27					17	1252519-04-02
6	1/4"	7/16"-20	1/4"-18					17	1252519-04-04
6	1/4"	7/16"-20	3/8"-18					17	1252519-04-06
8	5/16"	1/2"-20	1/8"-27					17	1252519-05-02
8	5/16"	1/2"-20	1/4"-18					17	1252519-05-04
8	5/16"	1/2"-20	3/8"-18					17	1252519-05-06
10	3/8"	9/16"-18	1/4"-18	22,3	25,0	7,5	14	19	1252519-06-04
10	3/8"	9/16"-18	3/8"-18	22,3	27,0	7,5	14	19	1252519-06-06
10	3/8"	9/16"-18	1/2"-14					19	1252519-06-08
12	1/2"	3/4"-16	1/4"-18	24,5	29,5	10,0	19	24	1252519-08-04
12	1/2"	3/4"-16	3/8"-18	24,5	29,5	10,0	19	24	1252519-08-06
12	1/2"	3/4"-16	1/2"-14	24,5	34,0	10,0		24	1252519-08-08
12	1/2"	3/4"-16	3/4"-14					24	1252519-08-12
14, 15, 16	5/8"	7/8"-14	3/8"-18	29,5	37,0	12,0	24	27	1252519-10-06
14, 15, 16	5/8"	7/8"-14	1/2"-14	29,5	38,0	12,0	24	27	1252519-10-08
14, 15, 16	5/8"	7/8"-14	3/4"-14	29,5	41,5	12,0	24	27	1252519-10-12
18, 20	3/4"	1 1/16"-12	1/2"-14	31,0	38,0	15,5	24	32	1252519-12-08
18, 20	3/4"	1 1/16"-12	3/4"-14	31,0	41,5	15,5	24	32	1252519-12-12
18, 20	3/4"	1 1/16"-12	1"-11,5					32	1252519-12-16
22, 25	1"	1 5/16"-12	3/4"-14				33	41	1252519-16-12
22, 25	1"	1 5/16"-12	1"-11,5				33	41	1252519-16-16
22, 25	1"	1 5/16"-12	1 1/4"-11,5					41	1252519-16-20
28, 30, 32	1 1/4"	1 5/8"-12	1"-11,5					50	1252519-20-16
28, 30, 32	1 1/4"	1 5/8"-12	1 1/4"-11,5					50	1252519-20-20
28, 30, 32	1 1/4"	1 5/8"-12	1 1/2"-11,5					50	1252519-20-24
35, 38	1 1/2"	1 7/8"-12	1 1/4"-11,5					55	1252519-24-20
35, 38	1 1/2"	1 7/8"-12	1 1/2"-11,5					55	1252519-24-24

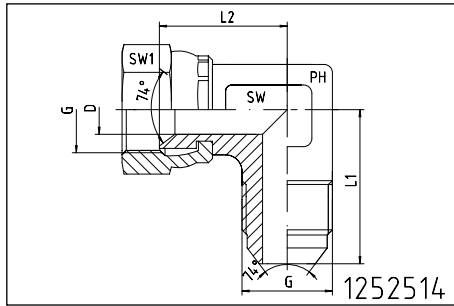
JIC - 37° - WINKEL-ADAPTER



JIC - 37° - ELBOW-ADAPTORS

Winkel-Adapter
DKJ - AGJ

Swivel-elbow-adaptors
DKJ - AGJ



Rohr A.D. Tube O.D.		Gewinde Thread G = UNF/UN	ca. Maße approx. dimensions					Bestellzeichen Order-Code
mm	in.		L1	L2	D	SW	SW1	
6	1/4"	7/16"-20						1252514-04-04
8	5/16"	1/2"-20	27,0	17,5	5,5		17	1252514-05-05
10	3/8"	9/16"-18	27,0	22,5	7,5	14	19	1252514-06-06
12	1/2"	3/4"-16	32,0	24,5	10,0	19	24	1252514-08-08
14, 15, 16	5/8"	7/8"-14	37,5	29,5	12,0	24	27	1252514-10-10
18, 20	3/4"	1 1/16"-12	42,0	31,0	15,5	24	32	1252514-12-12
22, 25	1"	1 5/16"-12				33	41	1252514-16-16
28, 30, 32	1 1/4"	1 5/8"-12					50	1252514-20-20
35, 38	1 1/2"	1 7/8"-12					55	1252514-24-24

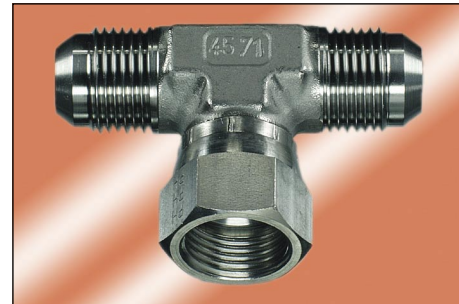
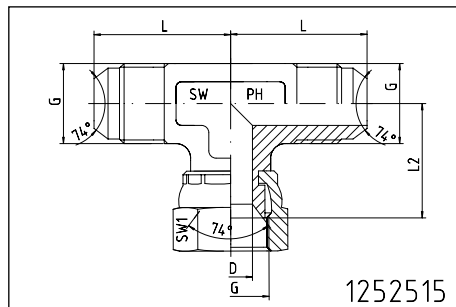
JIC - 37° - TE-ADAPTER



JIC - 37° - TEE-ADAPTORS

AGJ - DKJ - AGJ

Swivel-branch tee
AGJ - DKJ - AGJ



Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
mm	in.		L	L2	D	SW	SW1	
6	1/4"	7/16"-20 UNF						1252515-04-04-04
8	5/16"	1/2"-20 UNF						1252515-05-05-05
10	3/8"	9/16"-18 UNF	27,0	22,3	7,5	14	19	1252515-06-06-06
12	1/2"	3/4"-16 UNF	31,0	24,5	10,0	19	24	1252515-08-08-08
14, 15, 16	5/8"	7/8"-14 UNF	37,5	29,5	12,0	24	27	1252515-10-10-10
18, 20	3/4"	1 1/16"-12 UN	42,0	31,0	15,5	24	32	1252515-12-12-12
22, 25	1"	1 5/16"-12 UN				33		1252515-16-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN						1252515-20-20-20
35, 38	1 1/2"	1 7/8"-12 UN						1252515-24-24-24

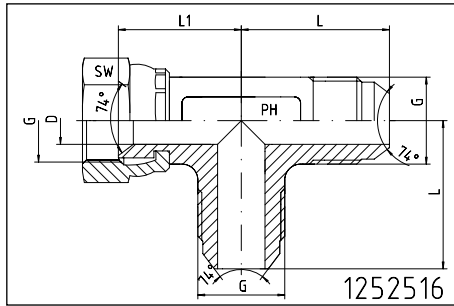
JIC - 37° - LE-ADAPTER



JIC - 37° - TEE-ADAPTOR

DKJ - AGJ - AGJ

Swivel-run tee
DKJ - AGJ - AGJ

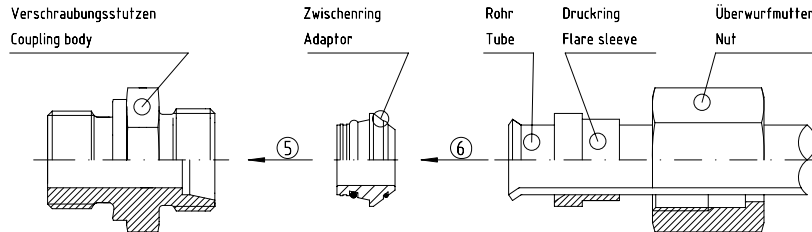
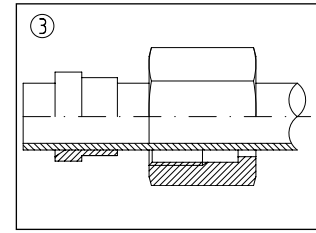
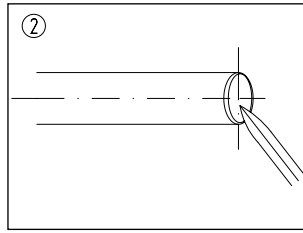
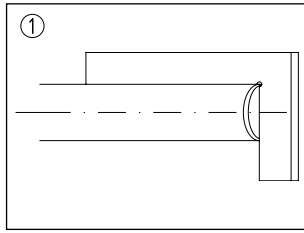


Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
mm	in.		L	L1	D	SW	
6	1/4"	7/16"-20 UNF					1252516-04-04-04
8	5/16"	1/2"-20 UNF					1252516-05-05-05
10	3/8"	9/16"-18 UNF	27,0	22,3	7,5	19	1252516-06-06-06
12	1/2"	3/4"-16 UNF	31,0	24,5	10,0	24	1252516-08-08-08
14, 15, 16	5/8"	7/8"-14 UNF	37,5	29,5	12,0	27	1252516-10-10-10
18, 20	3/4"	1 1/16"-12 UN	42,0	31,0	15,5	32	1252516-12-12-12
22, 25	1"	1 5/16"-12 UN					1252516-16-16-16
28, 30, 32	1 1/4"	1 5/8"-12 UN					1252516-20-20-20
35, 38	1 1/2"	1 7/8"-12 UN					1252516-24-24-24

BÖRDELANSCHLUßTEILE FÜR VERSCHRAUBUNGSSUTZEN MIT 24°-INNENKONUS - W DIN 3861

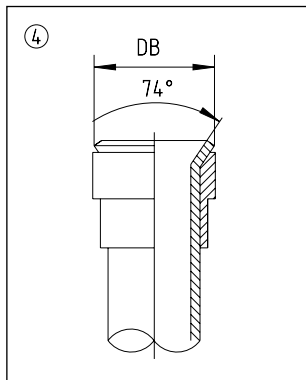
FLARE COUPLING PARTS FOR COUPLING BODIES WITH 24°-CONE - W DIN 3861

MONTAGEANLEITUNG	ASSEMBLY INSTRUCTIONS	7.3
ROHRANSCHLUßTEILE - TECHNISCHE DATEN	TUBE CONNECTING PARTS - TECHNICAL DATA	7.4
ROHRANSCHLUßTEILE - BESTELLZEICHEN	TUBE CONNECTING PARTS - ORDER-CODE	7.5



1. Rohr rechtwinklig absägen (keinen Rohrabschneider verwenden).
2. Innen und außen leicht entgraten, nicht anfasen. Rohrende reinigen, da sonst die Dichtfläche des Rohres beim Bördeln beschädigt wird.
3. Überwurfmutter und Druckring nach Abbildung auf das Rohr schieben.

1. Cut the tube square (do not use a pipe cutter).
2. Deburr the pipe inside and outside, do not chamfer. Clean the tube end, otherwise the sealing surface of the tube will be damaged when it is flared.
3. Slide the nut and the collar over the tube as shown in the illustration.



Rohr A.D. / Tube O.D.	6	8	10	12	14	15	16	18
DB min.	9,1	11,3	13,1	15,3	18,6	19,1	20,6	23,2
DB max.	10,0	12,0	14,0	16,0	19,6	20,0	22,0	24,0
Rohr A.D. / Tube O.D.	20	22	25	28	30	35	38	42
DB min.	25,6	26,5	31,1	32,7	37,0	41,8	46,0	48,8
DB max.	26,8	27,5	33,0	33,3	38,7	42,7	47,2	49,8

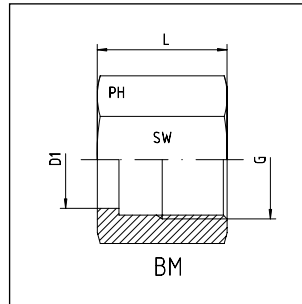
4. Rohr mit Bördelwerkzeug oder Maschine bördeln. Der Bördeldurchmesser DB darf nicht außerhalb der in der Tabelle angegebenen Grenzen liegen. Der Bördelkegel muß rechtwinklig zur Rohrachse und zentrisch zum Druckring sein, der Innenkegel riefenfrei und sauber.
5. Zwischenring in Verschraubungsstutzen einpressen und das aufgebördelte Rohr an den Zwischenring andrücken. Überwurfmutter handfest anziehen. Überwurfmutter mit dem Schlüssel anziehen bis der Zwischenring unverlierbar in den Stutzen gepreßt ist. Bei Kraftanstieg die Überwurfmutter um ca. 1/4 Umdrehung weiter anziehen. Nach jedem Lösen der Verbindung ist der Wiederanzug ohne erhöhten Kraftaufwand vorzunehmen.

4. Flare the tube by means of flaring tools or a flaring machine. The flare diameter DB must not be out of the limits given in the table. The flare cone must be square to the tubular axle and concentric to the collar. The inner cone must be clean and free of flutes.
5. Press the adaptor into the coupling body and press flared tube onto the adaptor. Screw the nut on by hand. Tighten the nut with a spanner until the adaptor is pressed captively into the coupling body. When torque must be intensified, tighten the nut approx. 1/4 turn more. Each time the connection is detached, it must be retightened without any intensified torque.

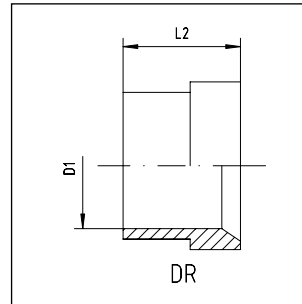
für Bördelverschraubungen 37° und Verschraubungs-
stutzen mit 24°-Innenkonus
Bohrungsform W DIN 3861

for flare couplings 37° and coupling bodies with 24°-cone

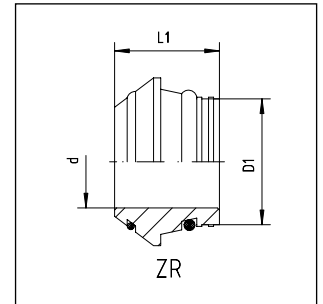
Type of port end W DIN 3861



Überwurfmutter
Nut



Druckring
Flare sleeve



Zwischenring mit O-Ring
O-Ring - NBR
Viton - auf Anfrage

O-ring adaptor
O-ring - NBR
Viton - on request



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1 + Tol.	Gewinde Thread G	SW	L
L	400	6	M 12 x 1,5	14	17,0
L	400	8	M 14 x 1,5	17	18,0
L	400	10	M 16 x 1,5	19	19,5
L	400	12	M 18 x 1,5	22	20,5
L	400	15	M 22 x 1,5	27	23,0
L	315	18	M 26 x 1,5	32	23,0
L	315	22	M 30 x 2	36	27,5
L	250	28	M 36 x 2	41	27,5
L	250	35	M 45 x 2	50	30,0
L	250	42	M 52 x 2	60	34,0
S	630	6	M 14 x 1,5	17	18,0
S	630	8	M 16 x 1,5	19	20,0
S	630	10	M 18 x 1,5	22	20,5
S	630	12	M 20 x 1,5	24	21,0
S	630	14	M 22 x 1,5	27	23,0
S	400	16	M 24 x 1,5	30	26,5
S	400	20	M 30 x 2	36	27,5
S	400	25	M 36 x 2	46	30,5
S	400	30	M 42 x 2	50	32,0
S	315 (1)	38	M 52 x 2	60	38,0

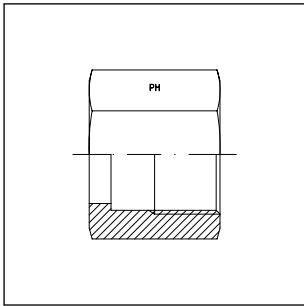
D1 + Tol.	L2
6	10,5
8	11,0
10	12,5
12	13,0
15	14,0
18	14,5
22	18,0
28	17,0
35	19,0
42	21,0
6	10,5
8	11,0
10	12,5
12	13,0
14	14,5
16	17,0
20	17,5
25	20,0
30	21,5
38	26,5

D1	d	L1
6	3	11,5
8	5	12,0
10	6	12,5
12	8	12,5
15	11	12,5
18	14	13,0
22	17	14,2
28	23	14,7
35	28	18,5
42	35	20,5
6	3	11,5
8	5	12,0
10	6	12,5
12	8	12,5
14	9	14,0
16	11	15,0
20	14	18,5
25	19	20,0
30	23	22,0
38	30	26,0

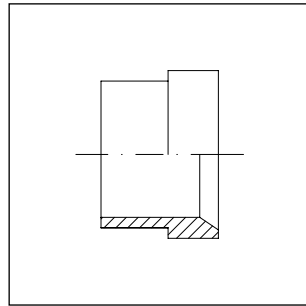
(1) Bei Inanspruchnahme von 315 bar ist der sonst übliche Sicherheitsfaktor 4 auf 3 zu reduzieren.
(1) In the 315 bar section, the normal safety factor of 4:1 is reduced to 3:1.

für Bördelverschraubungen 37°

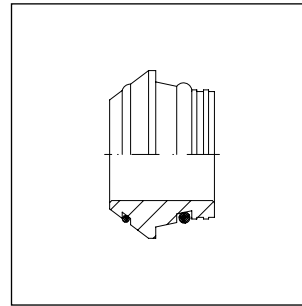
for flare couplings 37°



Überwurfmutter
Nut

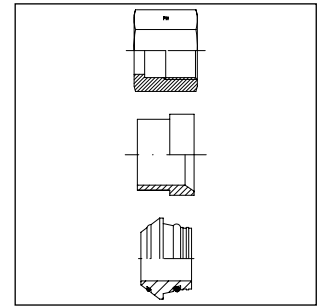


Druckring
Flare sleeve

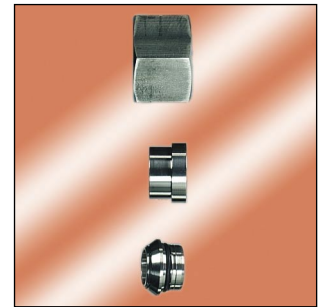
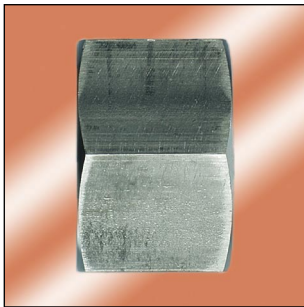


Zwischenring mit O-Ring
O-Ring - NBR
Viton - auf Anfrage

O-ring adaptor
O-ring - NBR
Viton - on request



Anschlußteile komplett
Complete parts



Bestellzeichen Order-Code Überwurfmutter Nut
BM-06-L
BM-08-L
BM-10-L
BM-12-L
BM-15-L
BM-18-L
BM-22-L
BM-28-L
BM-35-L
BM-42-L
BM-06-S
BM-08-S
BM-10-S
BM-12-S
BM-14-S
BM-16-S
BM-20-S
BM-25-S
BM-30-S
BM-38-S

Bestellzeichen Order-Code Druckring Flare sleeve
DR-06-L
DR-08-L
DR-10-L
DR-12-L
DR-15-L
DR-18-L
DR-22-L
DR-28-L
DR-35-L
DR-42-L
DR-06-S
DR-08-S
DR-10-S
DR-12-S
DR-14-S
DR-16-S
DR-20-S
DR-25-S
DR-30-S
DR-38-S

Bestellzeichen Order-Code Zwischenring mit O-Ring O-ring adaptor
ZR-06-L
ZR-08-L
ZR-10-L
ZR-12-L
ZR-15-L
ZR-18-L
ZR-22-L
ZR-28-L
ZR-35-L
ZR-42-L
ZR-06-S
ZR-08-S
ZR-10-S
ZR-12-S
ZR-14-S
ZR-16-S
ZR-20-S
ZR-25-S
ZR-30-S
ZR-38-S

Bestellzeichen Order-Code Anschlußteile komplett Complete parts
BAN-06-L
BAN-08-L
BAN-10-L
BAN-12-L
BAN-15-L
BAN-18-L
BAN-22-L
BAN-28-L
BAN-35-L
BAN-42-L
BAN-06-S
BAN-08-S
BAN-10-S
BAN-12-S
BAN-14-S
BAN-16-S
BAN-20-S
BAN-25-S
BAN-30-S
BAN-38-S

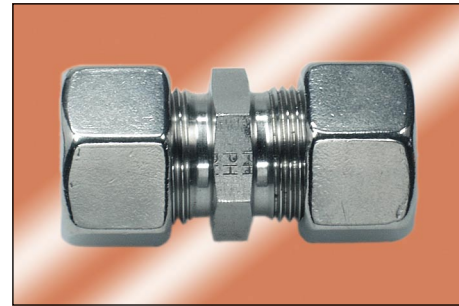
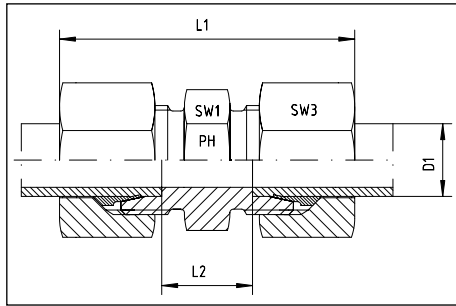
SCHNEIDRING-VERSCHRAUBUNGEN NACH DIN 2353 / DIN EN ISO 8434-1

CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

GV - GERADE VERSCHRAUBUNGEN	GV - STRAIGHT COUPLINGS	8.3
GRV - VERSCHRAUBUNGEN - LL- + L-REIHE	GRV - STUD REDUCERS - LL- + S-SERIES	8.4
GRV - VERSCHRAUBUNGEN - S-REIHE	GRV - STUD REDUCERS - S-SERIES	8.5
WV - WINKEL-VERSCHRAUBUNGEN	WV - EQUAL ELBOWS	8.6
TV - VERSCHRAUBUNGEN	TV - EQUAL TEES	8.7
TRV - VERSCHRAUBUNGEN - S-REIHE	TRV - COUPLINGS - S-SERIES	8.8
TRV - VERSCHRAUBUNGEN - L-REIHE	TRV - COUPLINGS - L-SERIES	8.9
KV - KREUZ-VERSCHRAUBUNGEN	KV - EQUAL CROSSES	8.10
GSV - VERSCHRAUBUNGEN	GSV - COUPLINGS	8.11
WSV - VERSCHRAUBUNGEN	WSV - BULKHEAD ELBOWS	8.12
GE - VERSCHRAUBUNGEN - L-REIHE - WHITW. - ZYLINDRISCH - B	GE - COUPLINGS - L-SERIES - BSP - PARALLEL - B	8.13
GE - VERSCHRAUBUNGEN - L-REIHE - WHITW. - ZYLINDRISCH - WD	GE - COUPLINGS - L-SERIES - BSP - PARALLEL - WD	8.14
GE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - ZYLINDRISCH - B	GE - COUPLINGS - S-SERIES - BSP - PARALLEL - B	8.15
GE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - ZYLINDRISCH - WD	GE - COUPLINGS - S-SERIES - BSP - PARALLEL - WD	8.16
GE - VERSCHRAUBUNGEN - L-REIHE - METRISCH - ZYLINDRISCH - B	GE - COUPLINGS - L-SERIES - METRIC - PARALLEL - B	8.17
GE - VERSCHRAUBUNGEN - S-REIHE - METRISCH - ZYLINDRISCH - B	GE - COUPLINGS - S-SERIES - METRIC - PARALLEL - B	8.18
GE - VERSCHRAUBUNGEN - L-REIHE - METRISCH - ZYLINDRISCH - WD	GE - COUPLINGS - L-SERIES - METRIC - PARALLEL - WD	8.19
GE - VERSCHRAUBUNGEN - S-REIHE - METRISCH - ZYLINDRISCH - WD	GE - COUPLINGS - S-SERIES - METRIC - PARALLEL - WD	8.20
GE - VERSCHRAUBUNGEN - LL- + L-REIHE - NPT	GE - COUPLINGS - LL- + L-SERIES - NPT	8.21
GE - VERSCHRAUBUNGEN - S-REIHE - NPT	GE - COUPLINGS - S-SERIES - NPT	8.22
GE - VERSCHRAUBUNGEN - LL- + L-REIHE - WHITW. - KEGELIG	GE - COUPLINGS - LL- + L-SERIES - BSP - TAPER	8.23
GE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - KEGELIG	GE - COUPLINGS - S-SERIES - BSP - TAPER	8.24
GE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - METRISCH - KEGELIG	GE - COUPLINGS - LL-, L- + S-SERIES - METRIC - TAPER	8.25
GE - VERSCHRAUBUNGEN - L-REIHE - UNF	GE - COUPLINGS - L-SERIES - UNF	8.26
GE - VERSCHRAUBUNGEN - S-REIHE - UNF	GE - COUPLINGS - S-SERIES - UNF	8.27
WE - VERSCHRAUBUNGEN - LL- + L-REIHE - WHITW. - KEGELIG	WE - STUD ELBOWS - LL- + L-SERIES - BSP - TAPER	8.28
WE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - KEGELIG	WE - STUD ELBOWS - S-SERIES - BSP - TAPER	8.29
WE - VERSCHRAUBUNGEN - L- + S-REIHE - WHITW. - ZYLINDRISCH	WE - STUD ELBOWS - L- + S-SERIES - BSP - PARALLEL	8.30
WE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - METRISCH - KEGELIG	WE - STUD ELBOWS - LL-, L- + S-SERIES - METRIC - TAPER	8.31
WE - VERSCHRAUBUNGEN - L- + S-REIHE - METRISCH - ZYLINDRISCH	WE - STUD ELBOWS - L- + S-SERIES - METRIC - PARALLEL	8.32
WE - VERSCHRAUBUNGEN - LL- + L-REIHE - NPT	WE - STUD ELBOWS - LL- + L-SERIES - NPT	8.33
WE - VERSCHRAUBUNGEN - S-REIHE - NPT	WE - STUD ELBOWS - S-SERIES - NPT	8.34
TE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - WHITW. - KEGELIG	TE - STUD BRANCH TEES - LL-, L- + S-SERIES - BSP - TAPER	8.35
TE - VERSCHRAUBUNGEN - L- + S-REIHE - WHITW. - ZYLINDRISCH	TE - STUD BRANCH TEES - L- + S-SERIES - BSP - PARALLEL	8.36
TE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - METRISCH - KEGELIG	TE - STUD BRANCH TEES - LL-, L- + S-SERIES - METRIC - TAPER	8.37
TE - VERSCHRAUBUNGEN - L- + S-REIHE - METRISCH - ZYLINDRISCH	TE - STUD BRANCH TEES - L- + S-SERIES - METRIC - PARALLEL	8.38
TE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - NPT	TE - STUD BRANCH TEES - LL-, L- + S-SERIES - NPT	8.39
LE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - WHITW. - KEGELIG	LE - STUD BARREL TEES - LL-, L- + S-SERIES - BSP - TAPER	8.40
LE - VERSCHRAUBUNGEN - L- + S-REIHE - WHITW. - ZYLINDRISCH	LE - STUD BARREL TEES - L- + S-SERIES - BSP - PARALLEL	8.41
LE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - METRISCH - KEGELIG	LE - STUD BARREL TEES - LL-, L- + S-SERIES - METRIC - TAPER	8.42
LE - VERSCHRAUBUNGEN - L- + S-REIHE - METRISCH - ZYLINDRISCH	LE - STUD BARREL TEES - L- + S-SERIES - METRIC - PARALLEL	8.43
LE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - NPT	LE - STUD BARREL TEES - LL-, L- + S-SERIES - NPT	8.44
GERADE AUFSTECKSTUTZEN - WHITW. - ZYLINDRISCH - OV	STUD STANDPIPE CONNECTORS - BSP - PARALLEL - OV	8.45
GERADE AUFSTECKSTUTZEN - WHITW. - ZYLINDRISCH - VORM.	STUD STANDPIPE CONNECTORS - BSP - PARALLEL - PRE-ASSEMBLED	8.46
GERADE AUFSTECKSTUTZEN - NPT - OV	STUD STANDPIPE CONNECTORS - NPT - OV	8.47
GERADE AUFSTECKSTUTZEN - NPT - VORM.	STUD STANDPIPE CONNECTORS - NPT - PRE-ASSEMBLED	8.48
GERADE AUFSTECKSTUTZEN - METRISCH - ZYLINDRISCH - OV	STUD STANDPIPE CONNECTORS - METRIC - PARALLEL - OV	8.49
GERADE AUFSTECKSTUTZEN - METRISCH - ZYLINDRISCH - VORM.	STUD STANDPIPE CONNECTORS - METRIC - PARALLEL - PRE-ASSEMBLED	8.50
MV - VERSCHRAUBUNGEN - NPT	MV - GAUGE COUPLINGS - NPT	8.51
MV - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH	MV - GAUGE COUPLINGS - BSP - FEMALE - PARALLEL	8.51
MV - VERSCHRAUBUNGEN - EINSTELLBAR - WHITW. - ZYLINDRISCH	MV - GAUGE SWIVEL COUPLINGS - BSP - FEMALE - PARALLEL	8.52
GAI - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH - INNEN	GAI - FEMALE STUD COUPLINGS - BSP - PARALLEL - FEMALE	8.53
GAI - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH - INNEN	GAI - FEMALE STUD COUPLINGS - METRIC - PARALLEL - FEMALE	8.54
GAI - VERSCHRAUBUNGEN - NPT - INNEN	GAI - FEMALE STUD COUPLINGS - NPT - FEMALE	8.55
WHV - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH	WHV - BANJO ELBOWS - BSP - PARALLEL	8.56
WHV - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH	WHV - BANJO ELBOWS - METRIC - PARALLEL	8.57
THV - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH	THV - BANJO TEES - BSP - PARALLEL	8.58
THV - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH	THV - BANJO TEES - METRIC - PARALLEL	8.59
EVW - VERSCHRAUBUNGEN - EINSTELLBAR - VORM.	EVW - SWIVEL ELBOWS - MALE STUD TYPE - PRE-ASSEMBLED	8.60
EVW - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH - VORM.	EVW - SWIVEL ELBOWS - BSP - PARALLEL - PRE-ASSEMBLED	8.61
EVW - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH - VORM.	EVW - SWIVEL ELBOWS - METRIC - PARALLEL - PRE-ASSEMBLED	8.62
EVT - VERSCHRAUBUNGEN - EINSTELLBAR - VORM.	EVT - SWIVEL BRANCH TEES - MALE STUD TYPE - PRE-ASSEMBLED	8.63
EVT - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH - VORM.	EVT - SWIVEL BRANCH TEES - BSP - PARALLEL - PRE-ASSEMBLED	8.64
EVT - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH - VORM.	EVT - SWIVEL BRANCH TEES - METRIC - PARALLEL - PRE-ASSEMBLED	8.65
EVL - VERSCHRAUBUNGEN - EINSTELLBAR - VORM.	EVL - SWIVEL BARREL TEES - MALE STUD TYPE - PRE-ASSEMBLED	8.66
EVL - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH - VORM.	EVL - SWIVEL BARREL TEES - BSP - PARALLEL - PRE-ASSEMBLED	8.67
EVL - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH - VORM.	EVL - SWIVEL BARREL TEES - METRIC - PARALLEL - PRE-ASSEMBLED	8.68
KEGEL-RÜCKSCHLAGVENTILE - BESCHREIBUNG	NON-RETURN VALVES - DESCRIPTION	8.69
RÜCKSCHLAG-DURCHGANGS-VENTILE - INNENGEWINDE	NON-RETURN VALVES - INSIDE THREAD	8.70
EINSCHRAUB-RÜCKSCHLAG-VENTILE - METRISCH - ZYLINDRISCH	NON-RETURN VALVES - METRIC - PARALLEL	8.71
EINSCHRAUB-RÜCKSCHLAG-VENTILE - WHITW. - ZYLINDRISCH	NON-RETURN VALVES - BSP - PARALLEL	8.72
EINSCHRAUB-RÜCKSCHLAG-VENTILE - METRISCH - ZYLINDRISCH	NON-RETURN VALVES - METRIC - PARALLEL	8.73
EINSCHRAUB-RÜCKSCHLAG-VENTILE - WHITW. - ZYLINDRISCH	NON-RETURN VALVES - BSP - PARALLEL	8.74
RÜCKSCHLAG-DURCHGANGS-VENTILE MIT SCHNEIDRINGANSCHLUß	NON-RETURN VALVES - WITH TUBE CUTTING RING CONNECTION	8.75

SCHNEIDRING-VERSCHRAUBUNGEN NACH DIN 2353 / DIN EN ISO 8434-1 CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

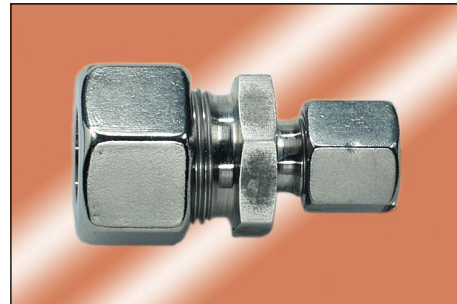
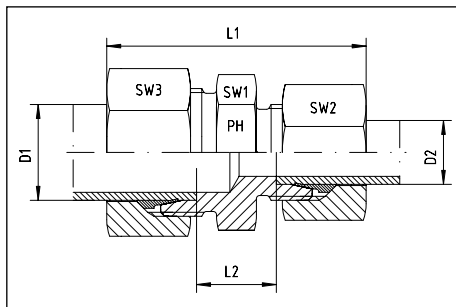
KONUS-REDUZIERANSCHLÜSSE	TUBE END REDUCERS	8.76
KONUS-REDUZIERANSCHLÜSSE	TUBE END REDUCERS	8.77
GEWINDE-REDUZIERUNGEN - ROHRGEWINDE ZYL.	MALE/FEMALE STUD ADAPTORS - BSP - PARALLEL	8.78
GEWINDE-REDUZIERUNGEN - ROHRGEWINDE ZYL. - MIT WEICHD.	MALE/FEMALE STUD ADAPTORS - BSP - PARALLEL - WITH SOFT SEALING	8.79
XROV - VERSCHLUßSTÜCKE FÜR ROHRENDEN	XROV - BLANKING PLUG FOR TUBE ENDS	8.80
VKA - VERSCHLUßKEGEL FÜR BOHRUNGSFORM W DIN 3861	VKA - COUPLING PLUGS FOR PORT END W DIN 3861	8.81
VST - VERSCHLUßSCHRAUBEN MIT INNENSECHSKANT	VST - SOCKET HEAD PORT PLUGS WITH INTERNAL HEX	8.82
VERSTÄRKUNGSHÜLSEN	REINFORCING RINGS	8.83
ÜBERWURFSCHRAUBEN - DIN 3871	INTERNAL COUPLING NUTS - DIN 3871	8.84
GEGENMUTTERN FÜR SCHOTTVERSCHRAUBUNGEN - METRISCH	LOCKNUTS FOR BULKHEAD COUPLINGS - METRIC	8.84
KUNSTSTOFFDICHRINGE FÜR SCHWENKVERSCHRAUBUNGEN WHV / THV	PTFE - SEAL RINGS FOR BANJO COUPLINGS WHV / THV	8.85
WEICHDICHRINGE - FÜR SCHWENKVERSCHRAUBUNGEN WHV / THV	SOFT SEAL RINGS FOR BANJO COUPLINGS WHV / THV	8.86
DKRI - DICHTKANTENRINGE FÜR INNENGEWINDE	DKRI - SEAL EDGERINGS FOR INTERNAL THREAD	8.87
DKR - DICHTKANTENRINGE FÜR AUßENGEWINDE - WHV / THV	DKR - SEAL EDGERINGS FOR EXTERNAL THREAD - WHV / THV	8.87
WEICHDICHRINGE - WD (VITON) - DIN 3869	SOFT SEAL RINGS - WD (VITON) - DIN 3869	8.88
FLANSCHPROFILDICHTUNG FÜR SAE J 518 / ISO 6162	PROFILED FLANGE SEALING FOR SAE J 518 / ISO 6162	8.88
ZWEIKANTEN-SCHNEIDRINGE	DOUBLE-BITE CUTTING RINGS	8.89
ÜBERWURFMUTTERN FÜR SCHNEIDRINGANSCHLUß	NUTS FOR CUTTING RING CONNECTION	8.90



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			L1	L2	SW1	SW3	
LL	100	4	31	12	9	10	GV-LL-04
LL	100	6	32	9	11	12	GV-LL-06
LL	100	8	35	12	12	14	GV-LL-08
L	315	6	39	10	12	14	GV-L-06
L	315	8	40	11	14	17	GV-L-08
L	315	10	42	13	17	19	GV-L-10
L	315	12	43	14	19	22	GV-L-12
L	315	15	46	16	24	27	GV-L-15
L	315	18	48	16	27	32	GV-L-18
L	160	22	52	20	32	36	GV-L-22
L	160	28	54	21	41	41	GV-L-28
L	160	35	63	20	46	50	GV-L-35
L	160	42	66	21	55	60	GV-L-42
S	630	6	45	16	14	17	GV-S-06
S	630	8	47	18	17	19	GV-S-08
S	630	10	49	17	19	22	GV-S-10
S	630	12	51	19	22	24	GV-S-12
S	630	14	57	22	24	27	GV-S-14
S	400	16	57	21	27	30	GV-S-16
S	400	20	66	23	32	36	GV-S-20
S	400	25	74	26	41	46	GV-S-25
S	400	30	80	27	46	50	GV-S-30
S	315	38	90	29	55	60	GV-S-38

Gerade Reduzier-Verschraubungen
LL- und L-Reihe

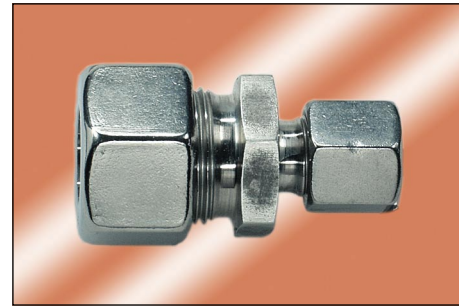
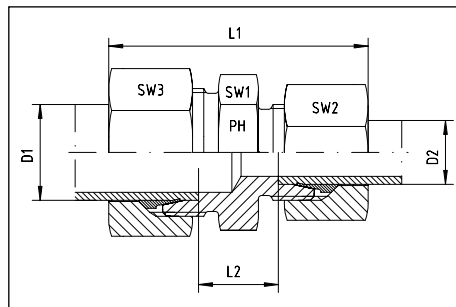
LL- and L-series



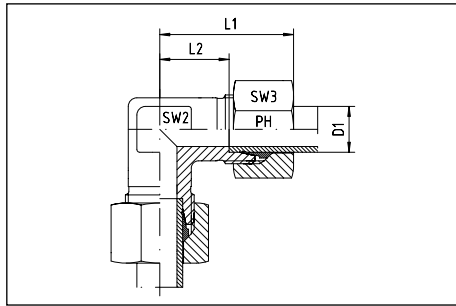
Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions					Bestellzeichen Order-Code
		D1	D2	L1	L2	SW1	SW2	SW3	
LL	100	6	4	32	10,5	11	10	12	GRV-LL-06/04
LL	100	8	6	34	11,0	12	12	14	GRV-LL-08/06
L	315	8	6	40	11,0	14	14	17	GRV-L-08/06
L	315	10	6	41	12,0	17	14	19	GRV-L-10/06
L	315	10	8	41	12,0	17	17	19	GRV-L-10/08
L	315	12	6	42	13,0	19	14	22	GRV-L-12/06
L	315	12	8	42	13,0	19	17	22	GRV-L-12/08
L	315	12	10	43	14,0	19	19	22	GRV-L-12/10
L	315	15	6	44	14,0	24	14	27	GRV-L-15/06
L	315	15	8	44	14,0	24	17	27	GRV-L-15/08
L	315	15	10	45	15,0	24	19	27	GRV-L-15/10
L	315	15	12	45	15,0	24	22	27	GRV-L-15/12
L	315	18	8	45	14,5	27	27	32	GRV-L-18/08
L	315	18	10	46	15,5	27	19	32	GRV-L-18/10
L	315	18	12	46	15,5	27	22	32	GRV-L-18/12
L	315	18	15	46	16,5	27	27	32	GRV-L-18/15
L	160	22	10	48	17,5	32	19	36	GRV-L-22/10
L	160	22	12	48	17,5	32	22	36	GRV-L-22/12
L	160	22	15	50	18,5	32	27	36	GRV-L-22/15
L	160	22	18	50	18,0	32	32	36	GRV-L-22/18
L	160	28	10		20,5	41	19	41	GRV-L-28/10
L	160	28	12	50	19,0	41	22	41	GRV-L-28/12
L	160	28	15	51	19,0	41	27	41	GRV-L-28/15
L	160	28	18	52	19,0	41	32	41	GRV-L-28/18
L	160	28	22	54	21,0	41	36	41	GRV-L-28/22
L	160	35	15			46	27	50	GRV-L-35/15
L	160	35	18		19,0	46	32	50	GRV-L-35/18
L	160	35	22	58	21,0	46	36	50	GRV-L-35/22
L	160	35	28	59	21,0	46	41	50	GRV-L-35/28
L	160	42	15			55	27	60	GRV-L-42/15
L	160	42	18			55	32	60	GRV-L-42/18
L	160	42	22		22,5	55	36	60	GRV-L-42/22
L	160	42	28	62	22,5	55	41	60	GRV-L-42/28
L	160	42	35	71	21,5	55	50	60	GRV-L-42/35

Gerade Reduzier-Verschraubungen
S-Reihe

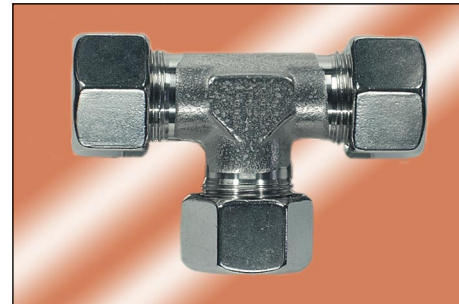
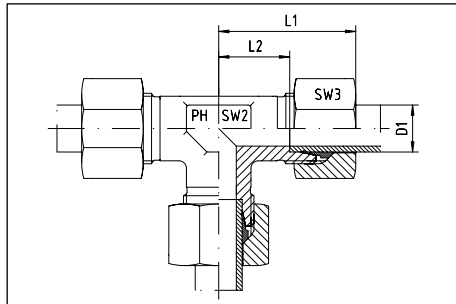
S-series



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions					Bestellzeichen Order-Code
		D1	D2	L1	L2	SW1	SW2	SW3	
S	630	8	6	47	18,0	17	17	19	GRV-S-08/06
S	630	10	6	48	17,5	19	17	22	GRV-S-10/06
S	630	10	8	48	17,5	19	19	22	GRV-S-10/08
S	630	12	6	50	19,5	22	17	24	GRV-S-12/06
S	630	12	8	50	19,5	22	19	24	GRV-S-12/08
S	630	12	10	51	19,0	22	22	24	GRV-S-12/10
S	630	14	6			24	17	27	GRV-S-14/06
S	630	14	8			24	19	27	GRV-S-14/08
S	630	14	10	54	20,5	24	22	27	GRV-S-14/10
S	630	14	12	54	20,5	24	24	27	GRV-S-14/12
S	400	16	6	54	20,0	27	17	30	GRV-S-16/06
S	400	16	8	54	20,0	27	19	30	GRV-S-16/08
S	400	16	10	54	20,0	27	22	30	GRV-S-16/10
S	400	16	12	54	20,0	27	24	30	GRV-S-16/12
S	400	16	14	57	21,5	27	27	30	GRV-S-16/14
S	400	20	6			32	17	36	GRV-S-20/06
S	400	20	8	59	21,0	32	19	36	GRV-S-20/08
S	400	20	10	60	22,0	32	22	36	GRV-S-20/10
S	400	20	12	60	22,0	32	24	36	GRV-S-20/12
S	400	20	14	63	23,0	32	27	36	GRV-S-20/14
S	400	20	16	63	23,0	32	30	36	GRV-S-20/16
S	400	25	6			41	17	46	GRV-S-25/06
S	400	25	8			41	19	46	GRV-S-25/08
S	400	25	10			41	22	46	GRV-S-25/10
S	400	25	12	66	24,0	41	24	46	GRV-S-25/12
S	400	25	14			41	27	46	GRV-S-25/14
S	400	25	16	68	25,5	41	30	46	GRV-S-25/16
S	400	25	20	71	25,5	41	36	46	GRV-S-25/20
S	400	30	10			46	22	50	GRV-S-30/10
S	400	30	12			46	24	50	GRV-S-30/12
S	400	30	14			46	27	50	GRV-S-30/14
S	400	30	16	74	26,0	46	30	50	GRV-S-30/16
S	400	30	20	74	26,0	46	36	50	GRV-S-30/20
S	400	30	25	77	26,5	46	46	50	GRV-S-30/25
S	315	38	10			55	22	60	GRV-S-38/10
S	315	38	12			55	24	60	GRV-S-38/12
S	315	38	14			55	27	60	GRV-S-38/14
S	315	38	16	80	26,0	55	30	60	GRV-S-38/16
S	315	38	20	83	28,0	55	36	60	GRV-S-38/20
S	315	38	25	87	29,0	55	46	60	GRV-S-38/25
S	315	38	30	87	29,5	55	50	60	GRV-S-38/30



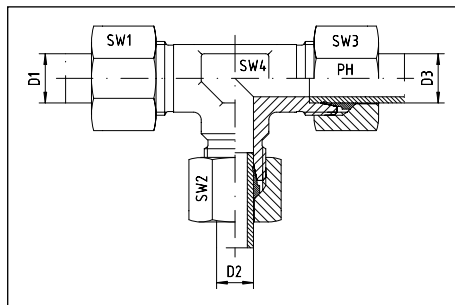
Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions				Bestell-Zeichen Order-Code
			L1	L2	SW2	SW3	
LL	100	4	21	11,0	9	10	WV-LL-04
LL	100	6	21	9,5	9	12	WV-LL-06
LL	100	8	23	11,5	12	14	WV-LL-08
L	315	6	27	12,0	12	14	WV-L-06
L	315	8	29	14,0	12	17	WV-L-08
L	315	10	30	15,0	14	19	WV-L-10
L	315	12	32	17,0	17	22	WV-L-12
L	315	15	36	21,0	19	27	WV-L-15
L	315	18	40	23,5	24	32	WV-L-18
L	160	22	44	27,5	27	36	WV-L-22
L	160	28	47	30,5	36	41	WV-L-28
L	160	35	56	34,5	41	50	WV-L-35
L	160	42	63	40,0	50	60	WV-L-42
S	630	6	31	16,0	12	17	WV-S-06
S	630	8	32	17,0	14	19	WV-S-08
S	630	10	34	17,5	17	22	WV-S-10
S	630	12	38	21,5	17	24	WV-S-12
S	630	14	40	22,0	19	27	WV-S-14
S	400	16	43	24,5	24	30	WV-S-16
S	400	20	48	26,5	27	36	WV-S-20
S	400	25	54	30,0	36	46	WV-S-25
S	400	30	62	35,5	41	50	WV-S-30
S	315	38	72	41,0	50	60	WV-S-38



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			L1	L2	SW2	SW3	
LL	100	4	21	11,0	9	10	TV-LL-04
LL	100	6	21	9,5	9	12	TV-LL-06
LL	100	8	23	11,5	12	14	TV-LL-08
L	315	6	27	12,0	12	14	TV-L-06
L	315	8	29	14,0	12	17	TV-L-08
L	315	10	30	15,0	14	19	TV-L-10
L	315	12	32	17,0	17	22	TV-L-12
L	315	15	36	21,0	19	27	TV-L-15
L	315	18	40	23,5	24	32	TV-L-18
L	160	22	44	27,5	27	36	TV-L-22
L	160	28	47	30,5	36	41	TV-L-28
L	160	35	56	34,5	41	50	TV-L-35
L	160	42	63	40,0	50	60	TV-L-42
S	630	6	31	16,0	12	17	TV-S-06
S	630	8	32	17,0	14	19	TV-S-08
S	630	10	34	17,5	17	22	TV-S-10
S	630	12	38	21,5	17	24	TV-S-12
S	630	14	40	22,0	19	27	TV-S-14
S	400	16	43	24,4	24	30	TV-S-16
S	400	20	48	26,5	27	36	TV-S-20
S	400	25	54	30,0	36	46	TV-S-25
S	400	30	62	35,5	41	50	TV-S-30
S	315	38	72	41,0	50	60	TV-S-38

T-Reduzier-Verschraubungen
S-Reihe

Reducing tee couplings
S-series

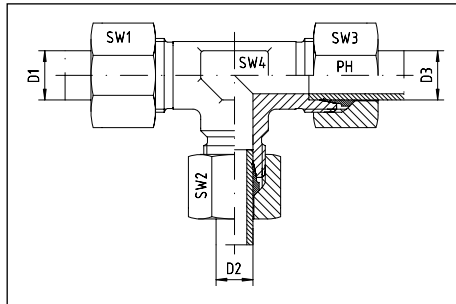


Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D.			ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D1	D2	D3	SW1	SW2	SW3	SW4	
S	630	8	6	8	19	17	19	14	TRV-S-08/06/08
S	630	10	6	10	22	17	22	17	TRV-S-10/06/10
S	630	10	8	10	22	19	22	17	TRV-S-10/08/10
S	630	12	6	12	24	17	24	17	TRV-S-12/06/12
S	630	12	8	8	24	19	19	17	TRV-S-12/08/08
S	630	12	8	12	24	19	24	17	TRV-S-12/08/12
S	630	12	10	12	24	22	24	17	TRV-S-12/10/12
S	630	12	16	12	24	30	24	24	TRV-S-12/16/12
S	630	14	8	14	27	19	27	19	TRV-S-14/08/14
S	630	14	10	14	27	22	27	19	TRV-S-14/10/14
S	400	16	6	16	30	17	30	24	TRV-S-16/06/16
S	400	16	8	16	30	19	30	24	TRV-S-16/08/16
S	400	16	10	16	30	22	30	24	TRV-S-16/10/16
S	400	16	12	16	30	24	30	24	TRV-S-16/12/16
S	400	16	14	16	30	27	30	24	TRV-S-16/14/16
S	400	16	20	16	30	36	30	27	TRV-S-16/20/16
S	400	20	8	20	36	19	36	27	TRV-S-20/08/20
S	400	20	10	20	36	22	36	27	TRV-S-20/10/20
S	400	20	12	20	36	24	36	27	TRV-S-20/12/20
S	400	20	14	20	36	27	36	27	TRV-S-20/14/20
S	400	20	16	20	36	30	36	27	TRV-S-20/16/20
S	400	20	25	20	36	46	36	36	TRV-S-20/25/20
S	400	25	10	25	46	22	46	36	TRV-S-25/10/25
S	400	25	12	25	46	24	46	36	TRV-S-25/12/25
S	400	25	14	25	46	27	46	36	TRV-S-25/14/25
S	400	25	16	25	46	30	46	36	TRV-S-25/16/25
S	400	25	20	25	46	36	46	36	TRV-S-25/20/25
S	400	25	30	25	46	50	46	41	TRV-S-25/30/25
S	400	30	12	30	50	24	50	41	TRV-S-30/12/30
S	400	30	16	30	50	30	40	41	TRV-S-30/16/30
S	400	30	20	30	50	36	50	41	TRV-S-30/20/30
S	400	30	25	30	50	46	50	41	TRV-S-30/25/30
S	400	30	38	30	50	60	50	50	TRV-S-30/38/30
S	315	38	16	38	60	30	60	50	TRV-S-38/16/38
S	315	38	20	38	60	36	60	50	TRV-S-38/20/38
S	315	38	25	38	60	46	60	50	TRV-S-38/25/38
S	315	38	30	38	60	50	60	50	TRV-S-38/30/38

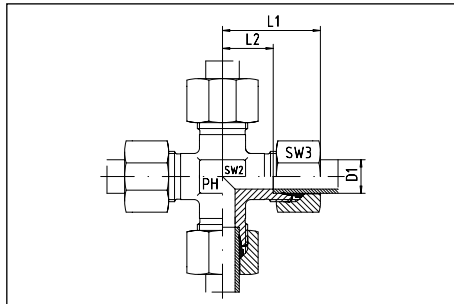
andere Sprunggrößen auf Anfrage
other jump sizes on request

T-Reduzier-Verschraubungen
L-Reihe

Reducing tee couplings
L-series



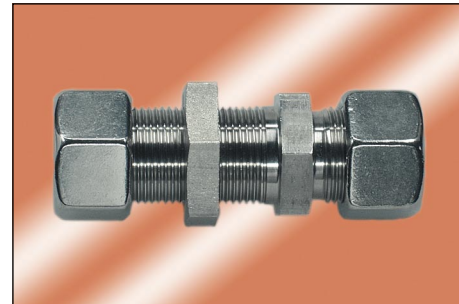
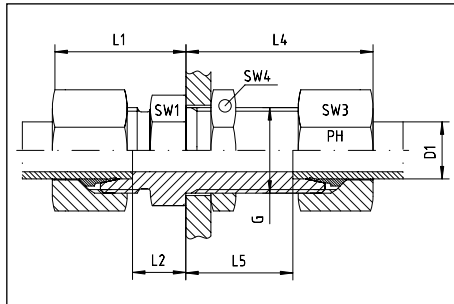
Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D.			ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D1	D2	D3	SW1	SW2	SW3	SW4	
L	315	6	8	6	14	17	14	14	TRV-L-06/08/06
L	315	8	6	8	17	14	17	14	TRV-L-08/06/08
L	315	6	10	6	14	19	14	17	TRV-L-06/10/06
L	315	8	10	8	17	19	17	17	TRV-L-08/10/08
L	315	10	6	10	19	14	19	17	TRV-L-10/06/10
L	315	10	8	10	19	17	19	17	TRV-L-10/08/10
L	315	10	10	6	19	19	14	17	TRV-L-10/10/06
L	315	8	12	8	17	22	17	17	TRV-L-08/12/08
L	315	12	6	12	22	14	22	17	TRV-L-12/06/12
L	315	12	8	8	22	17	17	17	TRV-L-12/08/08
L	315	12	8	12	22	17	22	17	TRV-L-12/08/12
L	315	12	10	10	22	19	19	17	TRV-L-12/10/10
L	315	12	10	12	22	19	22	17	TRV-L-12/10/12
L	315	12	12	10	22	22	19	17	TRV-L-12/12/10
L	315	10	12	10	19	22	19	17	TRV-L-10/12/10
L	315	10	15	10	19	27	19	19	TRV-L-10/15/10
L	315	12	15	12	22	27	22	19	TRV-L-12/15/12
L	315	15	6	15	27	14	27	19	TRV-L-15/06/15
L	315	15	8	15	27	17	27	19	TRV-L-15/08/15
L	315	15	10	15	27	19	27	19	TRV-L-15/10/15
L	315	15	12	12	27	22	22	19	TRV-L-15/12/12
L	315	15	12	15	27	22	27	19	TRV-L-15/12/15
L	315	15	15	12	27	27	22	19	TRV-L-15/15/12
L	315	12	18	12	22	32	22	24	TRV-L-12/18/12
L	315	18	8	18	32	17	32	24	TRV-L-18/08/18
L	315	18	10	10	32	19	19	24	TRV-L-18/10/10
L	315	18	10	18	32	19	32	24	TRV-L-18/10/18
L	315	18	12	18	32	22	32	24	TRV-L-18/12/18
L	315	18	15	18	32	27	32	24	TRV-L-18/15/18
L	315	18	18	10	32	32	19	24	TRV-L-18/18/10
L	160	22	10	22	36	19	36	27	TRV-L-22/10/22
L	160	22	12	22	36	22	36	27	TRV-L-22/12/22
L	160	22	15	15	36	27	27	27	TRV-L-22/15/15
L	160	22	15	22	36	27	36	27	TRV-L-22/15/22
L	160	22	18	18	36	32	32	27	TRV-L-22/18/18
L	160	22	18	22	36	32	36	27	TRV-L-22/18/22
L	160	22	22	18	36	36	32	27	TRV-L-22/22/18
L	160	28	10	28	41	19	41	36	TRV-L-28/10/28
L	160	28	12	28	41	22	41	36	TRV-L-28/12/28
L	160	28	15	28	41	27	41	36	TRV-L-28/15/28
L	160	28	18	28	41	32	41	36	TRV-L-28/18/28
L	160	28	22	22	41	36	36	36	TRV-L-28/22/22
L	160	28	22	28	41	36	41	36	TRV-L-28/22/28
L	160	28	35	28	41	50	41	41	TRV-L-28/35/28
L	160	35	12	35	50	22	50	41	TRV-L-35/12/35
L	160	35	15	35	50	27	50	41	TRV-L-35/15/35
L	160	35	18	35	50	32	50	41	TRV-L-35/18/35
L	160	35	22	35	50	36	50	41	TRV-L-35/22/35
L	160	35	28	35	50	41	50	41	TRV-L-35/28/35
L	160	35	42	35	50	60	50	50	TRV-L-35/42/35
L	160	42	15	42	60	27	60	50	TRV-L-42/15/42
L	160	42	18	42	60	32	60	50	TRV-L-42/18/42
L	160	42	22	42	60	36	60	50	TRV-L-42/22/42
L	160	42	28	42	60	41	60	50	TRV-L-42/28/42
L	160	42	35	42	60	50	60	50	TRV-L-42/35/42



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			L1	L2	SW2	SW3	
LL	100	4	21	11,0	7	10	KV-LL-04
LL	100	6	21	9,5	9	12	KV-LL-06
LL	100	8	23	11,5	12	14	KV-LL-08
L	315	6	27	12,0	12	14	KV-L-06
L	315	8	29	14,0	12	17	KV-L-08
L	315	10	30	15,0	14	19	KV-L-10
L	315	12	32	17,0	17	22	KV-L-12
L	315	15	36	21,0	19	27	KV-L-15
L	315	18	40	23,5	24	32	KV-L-18
L	160	22	44	27,5	27	36	KV-L-22
L	160	28	47	30,5	36	41	KV-L-28
L	160	35	56	34,5	41	50	KV-L-35
L	160	42	63	40,0	50	60	KV-L-42
S	630	6	31	16,0	12	17	KV-S-06
S	630	8	32	17,0	14	19	KV-S-08
S	630	10	34	17,5	17	22	KV-S-10
S	630	12	38	21,5	17	24	KV-S-12
S	630	14	40	22,0	19	27	KV-S-14
S	400	16	43	24,5	24	30	KV-S-16
S	400	20	48	26,5	27	36	KV-S-20
S	400	25	54	30,0	36	46	KV-S-25
S	400	30	62	35,5	41	50	KV-S-30
S	315	38	72	41,0	50	60	KV-S-38

Gerade Schottverschraubungen

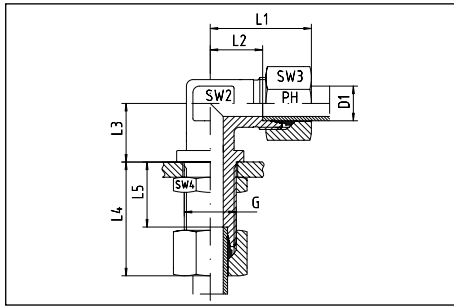
Straight bulkhead connections



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions							Bestellzeichen Order-Code
				L1	L2	L4	L5	SW1	SW3	SW4	
L	315	6	M 12 x 1,5	22	7,0	42	27,0	17	14	17	GSV-L-06
L	315	8	M 14 x 1,5	23	8,0	42	27,0	19	17	19	GSV-L-08
L	315	10	M 16 x 1,5	25	10,0	43	28,0	22	19	22	GSV-L-10
L	315	12	M 18 x 1,5	25	10,0	44	29,0	24	22	24	GSV-L-12
L	315	15	M 22 x 1,5	27	12,0	46	31,0	27	27	30	GSV-L-15
L	315	18	M 26 x 1,5	30	13,5	49	32,5	32	32	36	GSV-L-18
L	160	22	M 30 x 2	33	16,5	51	34,5	36	36	41	GSV-L-22
L	160	28	M 36 x 2	35	18,5	52	35,5	41	41	46	GSV-L-28
L	160	35	M 45 x 2	40	18,5	58	36,5	50	50	55	GSV-L-35
L	160	42	M 52 x 2	42	19,0	59	36,0	60	60	65	GSV-L-42
S	630	6	M 14 x 1,5	27	12,0	44	29,0	19	17	19	GSV-S-06
S	630	8	M 16 x 1,5	28	13,0	44	29,0	22	19	22	GSV-S-08
S	630	10	M 18 x 1,5	31	14,5	46	29,5	24	22	24	GSV-S-10
S	630	12	M 20 x 1,5	31	14,5	47	30,5	27	24	27	GSV-S-12
S	630	14	M 22 x 1,5	35	17,0	50	32,0	30	27	30	GSV-S-14
S	400	16	M 24 x 1,5	35	16,5	50	31,5	32	30	32	GSV-S-16
S	400	20	M 30 x 2	39	17,5	55	33,5	41	36	41	GSV-S-20
S	400	25	M 36 x 2	44	20,0	59	35,0	46	46	46	GSV-S-25
S	400	30	M 42 x 2	48	21,5	64	37,5	50	50	50	GSV-S-30
S	315	38	M 52 x 2	53	22,0	68	37,0	65	60	65	GSV-S-38

Winkel-Schottverschraubungen

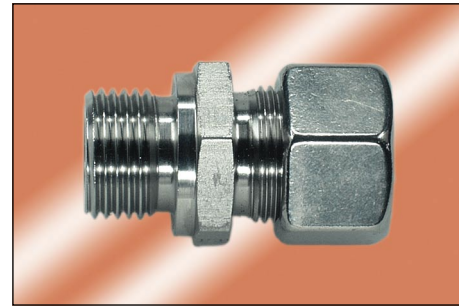
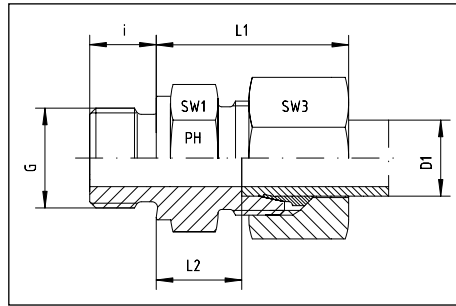
Bulkhead elbow couplings



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions									Bestellzeichen Order-Code
				L1	L2	L3	L4	L5	SW2	SW3	SW4		
L	315	6	M 12 x 1,5	27	12,0	14	42	27,0	12	14	17	WSV-L-06	
L	315	8	M 14 x 1,5	29	14,0	17	42	27,0	12	17	19	WSV-L-08	
L	315	10	M 16 x 1,5	30	15,0	18	43	28,0	14	19	22	WSV-L-10	
L	315	12	M 18 x 1,5	32	17,0	20	44	29,0	17	22	24	WSV-L-12	
L	315	15	M 22 x 1,5	36	21,0	23	46	31,0	19	27	30	WSV-L-15	
L	315	18	M 26 x 1,5	40	23,5	24	49	32,5	24	32	36	WSV-L-18	
L	160	22	M 30 x 2	44	27,5	30	51	34,5	27	36	41	WSV-L-22	
L	160	28	M 36 x 2	47	30,5	34	52	35,5	36	41	46	WSV-L-28	
L	160	35	M 45 x 2	56	34,5	39	58	36,5	41	50	55	WSV-L-35	
L	160	42	M 52 x 2	63	40,0	43	59	36,0	50	60	65	WSV-L-42	
S	630	6	M 14 x 1,5	31	16,0	17	44	29,0	12	17	19	WSV-S-06	
S	630	8	M 16 x 1,5	32	17,0	18	44	29,0	14	19	22	WSV-S-08	
S	630	10	M 18 x 1,5	34	17,5	20	46	29,5	17	22	24	WSV-S-10	
S	630	12	M 20 x 1,5	38	21,5	21	47	30,5	17	24	27	WSV-S-12	
S	630	14	M 22 x 1,5	40	22,0	23	50	32,0	19	27	30	WSV-S-14	
S	400	16	M 24 x 1,5	43	24,5	24	50	31,5	24	30	32	WSV-S-16	
S	400	20	M 30 x 2	48	26,5	30	55	33,5	27	36	41	WSV-S-20	
S	400	25	M 36 x 2	54	30,0	34	59	35,0	36	46	46	WSV-S-25	
S	400	30	M 42 x 2	62	35,5	39	64	37,5	41	50	50,	WSV-S-30	
S	315	38	M 52 x 2	72	41,0	43	68	37,0	50	60	65	WSV-S-38	

Gerade Einschraubverschraubungen
 L-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud couplings
 L-series
 Thread: BSP - parallel
 Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
LL	100	4	G 1/8"	19,0	9,5	8	14	10	GE-LLR-04-G 1/8"
LL	100	6	G 1/8"	20,0	9,5	8	14	12	GE-LLR-06-G 1/8"
LL	100	8	G 1/8"		9,0	8	14	14	GE-LLR-08-G 1/8"
L	315	6	G 1/8"	23,0	8,5	8	14	14	GE-LR-06-G 1/8"
L	315	6	G 1/4"	27,0	9,0	12	17	14	GE-LR-06-G 1/4"
L	315	6	G 3/8"	27,0	11,5	12	22	14	GE-LR-06-G 3/8"
L	315	6	G 1/2"	29,0	12,0	14	27	14	GE-LR-06-G 1/2"
L	315	8	G 1/8"	26,0	9,5	8	14	17	GE-LR-08-G 1/8"
L	315	8	G 1/4"	25,0	10,0	12	19	17	GE-LR-08-G 1/4"
L	315	8	G 3/8"	28,5	11,5	12	22	17	GE-LR-08-G 3/8"
L	315	8	G 1/2"	28,5	13,0	14	27	17	GE-LR-08-G 1/2"
L	315	10	G 1/8"	27,5	11,0	8	17	19	GE-LR-10-G 1/8"
L	315	10	G 1/4"	26,0	11,0	12	19	19	GE-LR-10-G 1/4"
L	315	10	G 3/8"	30,5	12,5	12	22	19	GE-LR-10-G 3/8"
L	315	10	G 1/2"	32,5	13,0	14	27	19	GE-LR-10-G 1/2"
L	315	10	G 3/4"			16	32	19	GE-LR-10-G 3/4"
L	315	12	G 1/8"	29,0	11,0	8	19	22	GE-LR-12-G 1/8"
L	315	12	G 1/4"	30,0	12,0	12	19	22	GE-LR-12-G 1/4"
L	315	12	G 3/8"	27,0	12,5	12	22	22	GE-LR-12-G 3/8"
L	315	12	G 1/2"	31,0	13,0	14	27	22	GE-LR-12-G 1/2"
L	315	12	G 3/4"	31,0	14,0	16	32	22	GE-LR-12-G 3/4"
L	315	15	G 1/4"	32,0	13,0	12	24	27	GE-LR-15-G 1/4"
L	315	15	G 3/8"	31,0	13,5	12	24	27	GE-LR-15-G 3/8"
L	315	15	G 1/2"	29,0	14,0	14	27	27	GE-LR-15-G 1/2"
L	315	15	G 3/4"	32,5	15,0	16	32	27	GE-LR-15-G 3/4"
L	315	15	G 1"			18	41	27	GE-LR-15-G 1"
L	315	18	G 3/8"	31,0	12,5	12	27	32	GE-LR-18-G 3/8"
L	315	18	G 1/2"	31,0	14,5	14	27	32	GE-LR-18-G 1/2"
L	315	18	G 3/4"	34,0	14,5	16	32	32	GE-LR-18-G 3/4"
L	315	18	G 1"		16,5	18	41	32	GE-LR-18-G 1"
L	160	22	G 3/8"	49,0	16,0	12	32	36	GE-LR-22-G 3/8"
L	160	22	G 1/2"	37,0	16,5	14	32	36	GE-LR-22-G 1/2"
L	160	22	G 3/4"	33,0	16,5	16	32	36	GE-LR-22-G 3/4"
L	160	22	G 1"	38,0	17,5	18	41	36	GE-LR-22-G 1"
L	160	22	G 1 1/4"			20	50	36	GE-LR-22-G 1 1/4"
L	160	28	G 1/2"		17,5	14	41	41	GE-LR-28-G 1/2"
L	160	28	G 3/4"	38,0	17,5	16	41	41	GE-LR-28-G 3/4"
L	160	28	G 1"	34,0	17,5	18	41	41	GE-LR-28-G 1"
L	160	28	G 1 1/4"		18,5	20	50	41	GE-LR-28-G 1 1/4"
L	160	35	G 3/4"	42,0	18,5	16	46	50	GE-LR-35-G 3/4"
L	160	35	G 1"	42,0	17,5	18	46	50	GE-LR-35-G 1"
L	160	35	G 1 1/4"	39,0	17,5	20	50	50	GE-LR-35-G 1 1/4"
L	160	35	G 1 1/2"	44,0	19,5	22	55	50	GE-LR-35-G 1 1/2"
L	160	42	G 1"	47,0	19,0	18	55	60	GE-LR-42-G 1"
L	160	42	G 1 1/4"	47,0	19,0	20	55	60	GE-LR-42-G 1 1/4"
L	160	42	G 1 1/2"	47,0	19,0	22	55	60	GE-LR-42-G 1 1/2"
L	160	42	G 2"				70	60	GE-LR-42-G 2"

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

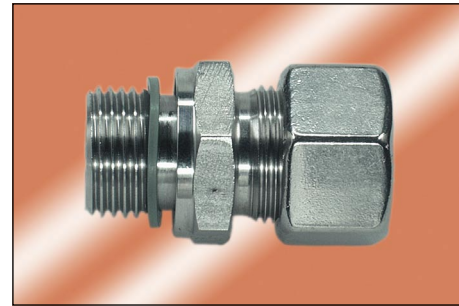
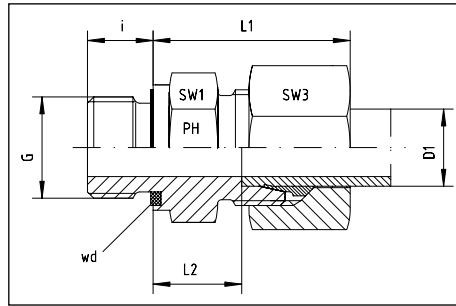
wd = Abdichtung durch Profildichtung - Viton

Male stud couplings

L-series

Thread: BSP - parallel

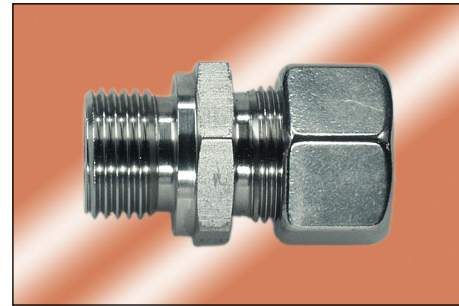
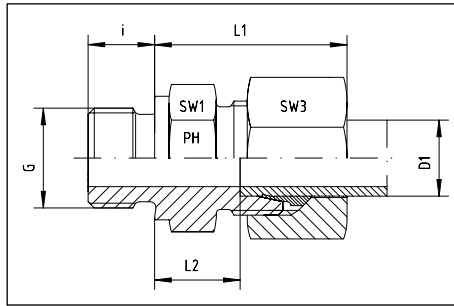
wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
LL	100	4	G 1/8"	19,0	9,5	8	14	10	GE-LLR-04-G 1/8" wd
LL	100	6	G 1/8"	20,0	9,5	8	14	12	GE-LLR-06-G 1/8" wd
LL	100	8	G 1/8"		9,0	8	14	14	GE-LLR-08-G 1/8" wd
L	315	6	G 1/8"	23,0	8,5	8	14	14	GE-LR-06-G 1/8" wd
L	315	6	G 1/4"	27,0	9,0	12	17	14	GE-LR-06-G 1/4" wd
L	315	6	G 3/8"	27,0	11,5	12	22	14	GE-LR-06-G 3/8" wd
L	315	6	G 1/2"	29,0	12,0	14	27	14	GE-LR-06-G 1/2" wd
L	315	8	G 1/8"	26,0	9,5	8	14	17	GE-LR-08-G 1/8" wd
L	315	8	G 1/4"	25,0	10,0	12	19	17	GE-LR-08-G 1/4" wd
L	315	8	G 3/8"	28,5	11,5	12	22	17	GE-LR-08-G 3/8" wd
L	315	8	G 1/2"	28,5	13,0	14	27	17	GE-LR-08-G 1/2" wd
L	315	10	G 1/8"	27,5	11,0	8	17	19	GE-LR-10-G 1/8" wd
L	315	10	G 1/4"	26,0	11,0	12	19	19	GE-LR-10-G 1/4" wd
L	315	10	G 3/8"	30,5	12,5	12	22	19	GE-LR-10-G 3/8" wd
L	315	10	G 1/2"	32,5	13,0	14	27	19	GE-LR-10-G 1/2" wd
L	315	10	G 3/4"			16	32	19	GE-LR-10-G 3/4" wd
L	315	12	G 1/8"	29,0	11,0	8	19	22	GE-LR-12-G 1/8" wd
L	315	12	G 1/4"	30,0	12,0	12	19	22	GE-LR-12-G 1/4" wd
L	315	12	G 3/8"	27,0	12,5	12	22	22	GE-LR-12-G 3/8" wd
L	315	12	G 1/2"	31,0	13,0	14	27	22	GE-LR-12-G 1/2" wd
L	315	12	G 3/4"	31,0	14,0	16	32	22	GE-LR-12-G 3/4" wd
L	315	15	G 1/4"	32,0	13,0	12	24	27	GE-LR-15-G 1/4" wd
L	315	15	G 3/8"	31,0	13,5	12	24	27	GE-LR-15-G 3/8" wd
L	315	15	G 1/2"	29,0	14,0	14	27	27	GE-LR-15-G 1/2" wd
L	315	15	G 3/4"	32,5	15,0	16	32	27	GE-LR-15-G 3/4" wd
L	315	15	G 1"			18	41	27	GE-LR-15-G 1" wd
L	315	18	G 3/8"	33,0	12,5	12	27	32	GE-LR-18-G 3/8" wd
L	315	18	G 1/2"	31,0	14,5	14	27	32	GE-LR-18-G 1/2" wd
L	315	18	G 3/4"	34,0	14,5	16	32	32	GE-LR-18-G 3/4" wd
L	315	18	G 1"		16,5	18	41	32	GE-LR-18-G 1" wd
L	160	22	G 3/8"	49,0	16,0	12	32	36	GE-LR-22-G 3/8" wd
L	160	22	G 1/2"	37,0	16,5	14	32	36	GE-LR-22-G 1/2" wd
L	160	22	G 3/4"	33,0	16,5	16	32	36	GE-LR-22-G 3/4" wd
L	160	22	G 1"	38,0	17,5	18	41	36	GE-LR-22-G 1" wd
L	160	22	G 1 1/4"			20	50	36	GE-LR-22-G 1 1/4" wd
L	160	28	G 1/2"		17,5	14	41	41	GE-LR-28-G 1/2" wd
L	160	28	G 3/4"	38,0	17,5	16	41	41	GE-LR-28-G 3/4" wd
L	160	28	G 1"	34,0	17,5	18	41	41	GE-LR-28-G 1" wd
L	160	28	G 1 1/4"		18,5	20	50	41	GE-LR-28-G 1 1/4" wd
L	160	35	G 3/4"		18,5	16	46	50	GE-LR-35-G 3/4" wd
L	160	35	G 1"	42,0	17,5	18	46	50	GE-LR-35-G 1" wd
L	160	35	G 1 1/4"	39,0	17,5	20	50	50	GE-LR-35-G 1 1/4" wd
L	160	35	G 1 1/2"	44,0	19,5	22	55	50	GE-LR-35-G 1 1/2" wd
L	160	42	G 1"	47,0	19,0	18	55	60	GE-LR-42-G 1" wd
L	160	42	G 1 1/4"	47,0	19,0	20	55	60	GE-LR-42-G 1 1/4" wd
L	160	42	G 1 1/2"	47,0	19,0	22	55	60	GE-LR-42-G 1 1/2" wd
L	160	42	G 2"				70	60	GE-LR-42-G 2" wd

Gerade Einschraubverschraubungen
 S-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud couplings
 S-series
 Thread: BSP - parallel
 Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	630	6	G 1/8"	28,0	13,0	8		17	GE-SR-06-G 1/8"
S	630	6	G 1/4"	28,0	13,0	12	19	17	GE-SR-06-G 1/4"
S	630	6	G 3/8"	30,0	15,5	12	22	19	GE-SR-06-G 3/8"
S	630	6	G 1/2"	34,0	17,0	14	27	19	GE-SR-06-G 1/2"
S	630	8	G 1/8"		14,0	8	17	19	GE-SR-08-G 1/8"
S	630	8	G 1/4"	30,0	15,0	12	19	19	GE-SR-08-G 1/4"
S	630	8	G 3/8"		15,5	12	22	19	GE-SR-08-G 3/8"
S	630	8	G 1/2"		15,0	14	27	19	GE-SR-08-G 1/2"
S	630	10	G 1/8"			8	19	22	GE-SR-10-G 1/8"
S	630	10	G 1/4"		14,5	12	19	22	GE-SR-10-G 1/4"
S	630	10	G 3/8"	31,0	15,0	12	22	22	GE-SR-10-G 3/8"
S	630	10	G 1/2"		13,5	14	27	22	GE-SR-10-G 1/2"
S	630	10	G 3/4"			16	32	22	GE-SR-10-G 3/4"
S	630	12	G 1/4"		16,5	12	22	24	GE-SR-12-G 1/4"
S	630	12	G 3/8"	33,0	17,0	12	22	24	GE-SR-12-G 3/8"
S	630	12	G 1/2"	34,0	17,5	14	27	24	GE-SR-12-G 1/2"
S	630	12	G 3/4"	36,0	17,5	16	32	24	GE-SR-12-G 3/4"
S	630	14	G 3/8"		17,0	12	24	27	GE-SR-14-G 3/8"
S	630	14	G 1/2"	37,0	19,0	14	27	27	GE-SR-14-G 1/2"
S	630	14	G 3/4"		19,0	16	32	27	GE-SR-14-G 3/4"
S	400	16	G 1/4"	38,0	17,5	12	27	30	GE-SR-16-G 1/4"
S	400	16	G 3/8"		18,0	12	27	30	GE-SR-16-G 3/8"
S	400	16	G 1/2"	37,0	18,5	14	27	30	GE-SR-16-G 1/2"
S	400	16	G 3/4"	39,0	20,5	16	32	30	GE-SR-16-G 3/4"
S	400	16	G 1"	43,5	22,5	18	41	30	GE-SR-16-G 1"
S	400	20	G 3/8"		18,0	12	32	36	GE-SR-20-G 3/8"
S	400	20	G 1/2"		20,5	14	32	36	GE-SR-20-G 1/2"
S	400	20	G 3/4"	42,0	20,5	16	32	36	GE-SR-20-G 3/4"
S	400	20	G 1"		22,5	18	41	36	GE-SR-20-G 1"
S	400	20	G 1 1/4"		22,5	20	50	36	GE-SR-20-G 1 1/4"
S	400	25	G 1/2"		23,0	14	41	46	GE-SR-25-G 1/2"
S	400	25	G 3/4"		23,0	16	41	46	GE-SR-25-G 3/4"
S	400	25	G 1"	47,0	23,0	18	41	46	GE-SR-25-G 1"
S	400	25	G 1 1/4"		23,0	20	50	46	GE-SR-25-G 1 1/4"
S	400	30	G 3/4"		25,5	16	46	50	GE-SR-30-G 3/4"
S	400	30	G 1"		23,5	18	46	50	GE-SR-30-G 1"
S	400	30	G 1 1/4"	50,0	23,5	20	50	50	GE-SR-30-G 1 1/4"
S	400	30	G 1 1/2"		23,5	22	55	50	GE-SR-30-G 1 1/2"
S	315	38	G 1"	42,0	26,0	18	46	50	GE-SR-38-G 1"
S	315	38	G 1 1/4"		23,0	20	55	60	GE-SR-38-G 1 1/4"
S	315	38	G 1 1/2"	57,0	26,0	22	55	60	GE-SR-38-G 1 1/2"
S	315	38	G 2"				70	60	GE-SR-38-G 2"

Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

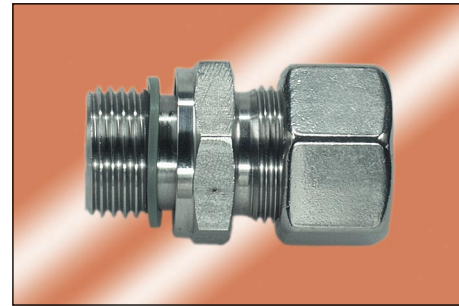
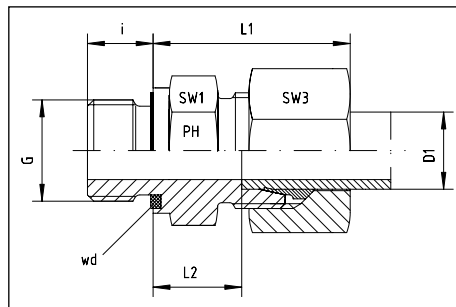
wd = Abdichtung durch Profildichtung - Viton

Male stud couplings

S-series

Thread: BSP - parallel

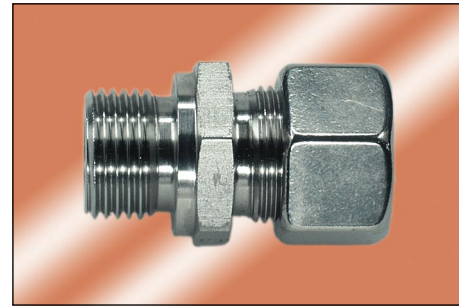
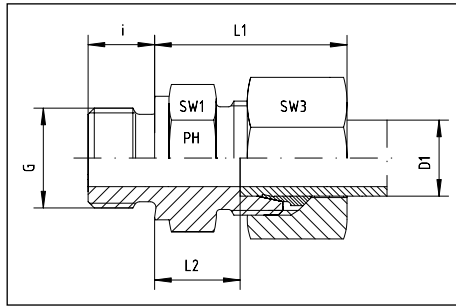
wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	630	6	G 1/8"	28,0	13,0	8		17	GE-SR-06-G 1/8" wd
S	630	6	G 1/4"	28,0	13,0	12	19	17	GE-SR-06-G 1/4" wd
S	630	6	G 3/8"	30,0	15,5	12	22	19	GE-SR-06-G 3/8" wd
S	630	6	G 1/2"	34,0	17,0	14	27	19	GE-SR-06-G 1/2" wd
S	630	8	G 1/8"		14,0	8	17	19	GE-SR-08-G 1/8" wd
S	630	8	G 1/4"	30,0	15,0	12	19	19	GE-SR-08-G 1/4" wd
S	630	8	G 3/8"		15,5	12	22	19	GE-SR-08-G 3/8" wd
S	630	8	G 1/2"		15,0	14	27	19	GE-SR-08-G 1/2" wd
S	630	10	G 1/8"			8	19	22	GE-SR-10-G 1/8" wd
S	630	10	G 1/4"		14,5	12	19	22	GE-SR-10-G 1/4" wd
S	630	10	G 3/8"	31,0	15,0	12	22	22	GE-SR-10-G 3/8" wd
S	630	10	G 1/2"		13,5	14	27	22	GE-SR-10-G 1/2" wd
S	630	10	G 3/4"			16	32	22	GE-SR-10-G 3/4" wd
S	630	12	G 1/4"		16,5	12	22	24	GE-SR-12-G 1/4" wd
S	630	12	G 3/8"	33,0	17,0	12	22	24	GE-SR-12-G 3/8" wd
S	630	12	G 1/2"	34,0	17,5	14	27	24	GE-SR-12-G 1/2" wd
S	630	12	G 3/4"	36,0	17,5	16	32	24	GE-SR-12-G 3/4" wd
S	630	14	G 3/8"		17,0	12	24	27	GE-SR-14-G 3/8" wd
S	630	14	G 1/2"	37,0	19,0	14	27	27	GE-SR-14-G 1/2" wd
S	630	14	G 3/4"		19,0	16	32	27	GE-SR-14-G 3/4" wd
S	400	16	G 1/4"	38,0	17,5	12	27	30	GE-SR-16-G 1/4" wd
S	400	16	G 3/8"		18,0	12	27	30	GE-SR-16-G 3/8" wd
S	400	16	G 1/2"	37,0	18,5	14	27	30	GE-SR-16-G 1/2" wd
S	400	16	G 3/4"	39,0	20,5	16	32	30	GE-SR-16-G 3/4" wd
S	400	16	G 1"	43,5	22,5	18	41	30	GE-SR-16-G 1" wd
S	400	20	G 3/8"		18,0	12	32	36	GE-SR-20-G 3/8" wd
S	400	20	G 1/2"		20,5	14	32	36	GE-SR-20-G 1/2" wd
S	400	20	G 3/4"	42,0	20,5	16	32	36	GE-SR-20-G 3/4" wd
S	400	20	G 1"		22,5	18	41	36	GE-SR-20-G 1" wd
S	400	20	G 1 1/4"		22,5	20	50	36	GE-SR-20-G 1 1/4" wd
S	400	25	G 1/2"		23,0	14	41	46	GE-SR-25-G 1/2" wd
S	400	25	G 3/4"		23,0	16	41	46	GE-SR-25-G 3/4" wd
S	400	25	G 1"	47,0	23,0	18	41	46	GE-SR-25-G 1" wd
S	400	25	G 1 1/4"		23,0	20	50	46	GE-SR-25-G 1 1/4" wd
S	400	30	G 3/4"		25,5	16	46	50	GE-SR-30-G 3/4" wd
S	400	30	G 1"		23,5	18	46	50	GE-SR-30-G 1" wd
S	400	30	G 1 1/4"	50,0	23,5	20	50	50	GE-SR-30-G 1 1/4" wd
S	400	30	G 1 1/2"		23,5	22	55	50	GE-SR-30-G 1 1/2" wd
S	315	38	G 1"	42,0	26,0	18	46	50	GE-SR-38-G 1" wd
S	315	38	G 1 1/4"		23,0	20	55	60	GE-SR-38-G 1 1/4" wd
S	315	38	G 1 1/2"	57,0	26,0	22	55	60	GE-SR-38-G 1 1/2" wd
S	250	38	G 2"				70	60	GE-SR-38-G 2" wd

Gerade Einschraubverschraubungen
 L-Reihe
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

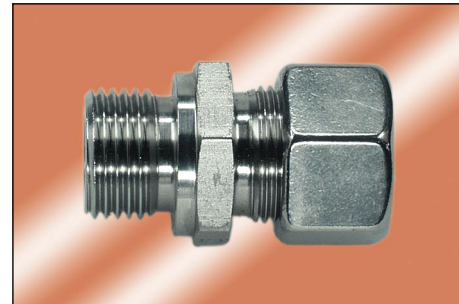
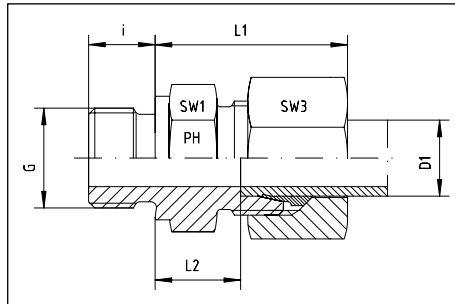
Male stud couplings
 L-series
 Thread: metric - parallel
 Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	M 10 x 1	23,0	8,5	8	14	14	GE-L-06-M 10x1
L	315	6	M 12 x 1,5		10,0	12	17	14	GE-L-06-M 12x1,5
L	315	6	M 14 x 1,5	27,0	10,0	12	19	14	GE-L-06-M 14x1,5
L	315	8	M 10 x 1	26,0	9,5	8	17	17	GE-L-08-M 10x1
L	315	8	M 12 x 1,5	25,0	10,0	12	17	17	GE-L-08-M 12x1,5
L	315	8	M 14 x 1,5	27,0	10,0	12	19	17	GE-L-08-M 14x1,5
L	315	8	M 16 x 1,5	27,5	11,5	12	22	17	GE-L-08-M 16x1,5
L	315	8	M 18 x 1,5	27,5	11,5	12	24	17	GE-L-08-M 18x1,5
L	315	10	M 10 x 1		11,0	8	17	19	GE-L-10-M 10x1
L	315	10	M 12 x 1,5	28,5	11,5	12	17	19	GE-L-10-M 12x1,5
L	315	10	M 14 x 1,5	26,0	11,0	12	19	19	GE-L-10-M 14x1,5
L	315	10	M 16 x 1,5	30,0	12,5	12	22	19	GE-L-10-M 16x1,5
L	315	10	M 18 x 1,5	30,0	12,5	12	24	19	GE-L-10-M 18x1,5
L	315	10	M 22 x 1,5		14,0	14	27	19	GE-L-10-M 22x1,5
L	315	12	M 12 x 1,5	28,0	13,0	12	19	22	GE-L-12-M 12x1,5
L	315	12	M 14 x 1,5	28,0	12,5	12	19	22	GE-L-12-M 14x1,5
L	315	12	M 16 x 1,5	27,0	12,5	12	22	22	GE-L-12-M 16x1,5
L	315	12	M 18 x 1,5	30,0	12,5	12	24	22	GE-L-12-M 18x1,5
L	315	12	M 22 x 1,5		14,0	14	27	22	GE-L-12-M 22x1,5
L	315	15	M 16 x 1,5	32,0	13,5	12	24	27	GE-L-15-M 16x1,5
L	315	15	M 18 x 1,5	29,0	13,5	12	24	27	GE-L-15-M 18x1,5
L	315	15	M 22 x 1,5	33,0	15,0	14	27	27	GE-L-15-M 22x1,5
L	315	18	M 18 x 1,5	33,0	14,0	12	27	32	GE-L-18-M 18x1,5
L	315	18	M 22 x 1,5	31,0	14,5	14	27	32	GE-L-18-M 22x1,5
L	315	18	M 26 x 1,5		14,5	16	32	32	GE-L-18-M 26x1,5
L	160	22	M 22 x 1,5		17,5	14	32	36	GE-L-22-M 22x1,5
L	160	22	M 26 x 1,5	33,0	16,5	16	32	36	GE-L-22-M 26x1,5
L	160	28	M 33 x 2	34,0	17,5	18	41	41	GE-L-28-M 33x2
L	160	35	M 42 x 2	39,0	17,5	20	50	50	GE-L-35-M 42x2
L	160	42	M 48 x 2	42,0	19,0	22	55	60	GE-L-42-M 48x2

Gerade Einschraubverschraubungen
 S-Reihe
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud couplings
 S-series
 Thread: metric - parallel
 Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	630	6	M 12 x 1,5	28,0		12	17	17	GE-S-06-M 12x1,5
S	630	6	M 14 x 1,5			12	19	17	GE-S-06-M 14x1,5
S	630	8	M 12 x 1,5			12	17	19	GE-S-08-M 12x1,5
S	630	8	M 14 x 1,5	30,0	15,0	12	19	19	GE-S-08-M 14x1,5
S	630	8	M 16 x 1,5			12	22	19	GE-S-08-M 16x1,5
S	630	10	M 14 x 1,5			12	19	22	GE-S-10-M 14x1,5
S	630	10	M 16 x 1,5	31,0	15,0	12	22	22	GE-S-10-M 16x1,5
S	630	10	M 18 x 1,5		17,5	12	24	22	GE-S-10-M 18x1,5
S	630	12	M 14 x 1,5	33,0	16,0	12	22	24	GE-S-12-M 14x1,5
S	630	12	M 16 x 1,5			12	22	24	GE-S-12-M 16x1,5
S	630	12	M 18 x 1,5	33,0	17,0	12	24	24	GE-S-12-M 18x1,5
S	630	12	M 20 x 1,5			14	27	24	GE-S-12-M 20x1,5
S	630	12	M 22 x 1,5			14	27	24	GE-S-12-M 22x1,5
S	630	14	M 20 x 1,5	37,0	19,0	14	27	27	GE-S-14-M 20x1,5
S	630	14	M 22 x 1,5			14	27	27	GE-S-14-M 22x1,5
S	400	16	M 18 x 1,5		18,0	12	27	30	GE-S-16-M 18x1,5
S	400	16	M 22 x 1,5	37,0	18,5	14	27	30	GE-S-16-M 22x1,5
S	400	20	M 27 x 2	42,5	20,5	16	32	36	GE-S-20-M 27x2
S	400	25	M 33 x 2	47,0	23,0	18	41	46	GE-S-25-M 33x2
S	400	30	M 42 x 2	50,0	23,5	20	50	50	GE-S-30-M 42x2
S	315	38	M 48 x 2	57,0	26,0	22	55	60	GE-S-38-M 48x2

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: metrisches Feingewinde - zylindrisch

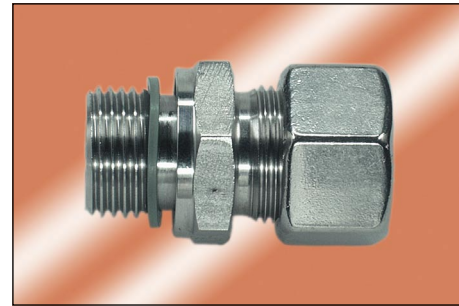
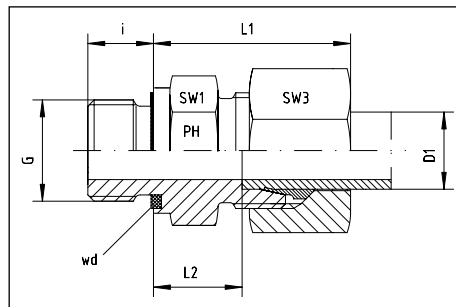
wd = Abdichtung durch Profildichtung - Viton

Male stud couplings

L-series

Thread: metric - parallel

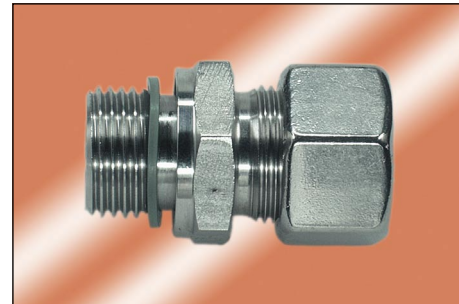
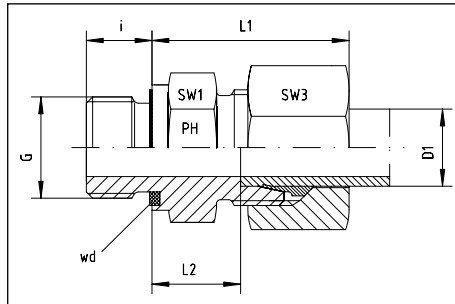
wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	M 10 x 1	23,0	8,5	8	14	14	GE-L-06-M 10x1 wd
L	315	6	M 12 x 1,5		10,0	12	17	14	GE-L-06-M 12x1,5 wd
L	315	6	M 14 x 1,5	27,0	10,0	12	19	14	GE-L-06-M 14x1,5 wd
L	315	8	M 10 x 1	26,0	9,5	8	17	17	GE-L-08-M 10x1 wd
L	315	8	M 12 x 1,5	25,0	10,0	12	17	17	GE-L-08-M 12x1,5 wd
L	315	8	M 14 x 1,5	27,0	10,0	12	19	17	GE-L-08-M 14x1,5 wd
L	315	8	M 16 x 1,5	27,5	11,5	12	22	17	GE-L-08-M 16x1,5 wd
L	315	8	M 18 x 1,5	27,5	11,5	12	24	17	GE-L-08-M 18x1,5 wd
L	315	10	M 10 x 1		11,0	8	17	19	GE-L-10-M 10x1 wd
L	315	10	M 12 x 1,5	28,5	11,5	12	17	19	GE-L-10-M 12x1,5 wd
L	315	10	M 14 x 1,5	26,0	11,0	12	19	19	GE-L-10-M 14x1,5 wd
L	315	10	M 16 x 1,5	30,0	12,5	12	22	19	GE-L-10-M 16x1,5 wd
L	315	10	M 18 x 1,5	30,0	12,5	12	24	19	GE-L-10-M 18x1,5 wd
L	315	10	M 22 x 1,5		14,0	14	27	19	GE-L-10-M 22x1,5 wd
L	315	12	M 12 x 1,5	28,0	13,0	12	19	22	GE-L-12-M 12x1,5 wd
L	315	12	M 14 x 1,5	28,0	12,5	12	19	22	GE-L-12-M 14x1,5 wd
L	315	12	M 16 x 1,5	27,0	12,5	12	22	22	GE-L-12-M 16x1,5 wd
L	315	12	M 18 x 1,5	30,0	12,5	12	24	22	GE-L-12-M 18x1,5 wd
L	315	12	M 22 x 1,5		14,0	14	27	22	GE-L-12-M 22x1,5 wd
L	315	15	M 16 x 1,5	32,0	13,5	12	24	27	GE-L-15-M 16x1,5 wd
L	315	15	M 18 x 1,5	29,0	13,5	12	24	27	GE-L-15-M 18x1,5 wd
L	315	15	M 22 x 1,5	33,0	15,0	14	27	27	GE-L-15-M 22x1,5 wd
L	315	18	M 18 x 1,5	33,0	14,0	12	27	32	GE-L-18-M 18x1,5 wd
L	315	18	M 22 x 1,5	31,0	14,5	14	27	32	GE-L-18-M 22x1,5 wd
L	315	18	M 26 x 1,5		14,5	16	32	32	GE-L-18-M 26x1,5 wd
L	160	22	M 22 x 1,5		17,5	14	32	36	GE-L-22-M 22x1,5 wd
L	160	22	M 26 x 1,5	33,0	16,5	16	32	36	GE-L-22-M 26x1,5 wd
L	160	28	M 33 x 2	34,0	17,5	18	41	41	GE-L-28-M 33x2 wd
L	160	35	M 42 x 2	39,0	17,5	20	50	50	GE-L-35-M 42x2 wd
L	160	42	M 48 x 2	42,0	19,0	22	55	60	GE-L-42-M 48x2 wd

Gerade Einschraubverschraubungen
 S-Reihe
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

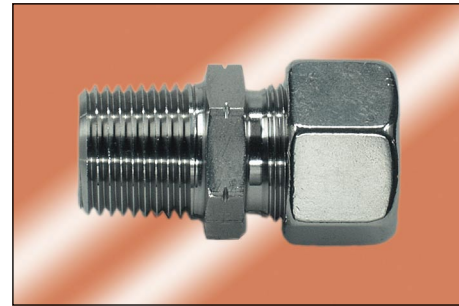
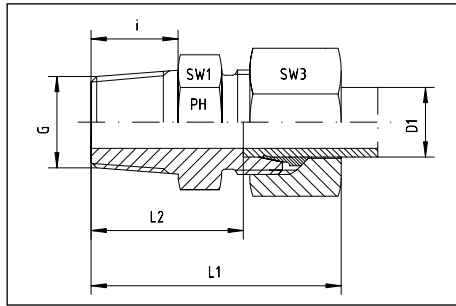
Male stud couplings
 S-series
 Thread: metric - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	630	6	M 12 x 1,5	28,0		12	17	17	GE-S-06-M 12x1,5 wd
S	630	6	M 14 x 1,5			12	19	17	GE-S-06-M 14x1,5 wd
S	630	8	M 12 x 1,5			12	17	19	GE-S-08-M 12x1,5 wd
S	630	8	M 14 x 1,5	30,0	15,0	12	19	19	GE-S-08-M 14x1,5 wd
S	630	8	M 16 x 1,5			12	22	19	GE-S-08-M 16x1,5 wd
S	630	10	M 14 x 1,5			12	19	22	GE-S-10-M 14x1,5 wd
S	630	10	M 16 x 1,5	31,0	15,0	12	22	22	GE-S-10-M 16x1,5 wd
S	630	10	M 18 x 1,5		17,5	12	24	22	GE-S-10-M 18x1,5 wd
S	630	12	M 14 x 1,5	33,0	16,0	12	22	24	GE-S-12-M 14x1,5 wd
S	630	12	M 16 x 1,5			12	22	24	GE-S-12-M 16x1,5 wd
S	630	12	M 18 x 1,5	33,0	17,0	12	24	24	GE-S-12-M 18x1,5 wd
S	630	12	M 20 x 1,5			14	27	24	GE-S-12-M 20x1,5 wd
S	630	12	M 22 x 1,5			14	27	24	GE-S-12-M 22x1,5 wd
S	630	14	M 20 x 1,5	37,0	19,0	14	27	27	GE-S-14-M 20x1,5 wd
S	630	14	M 22 x 1,5			14	27	27	GE-S-14-M 22x1,5 wd
S	400	16	M 18 x 1,5		18,0	12	27	30	GE-S-16-M 18x1,5 wd
S	400	16	M 22 x 1,5	37,0	18,5	14	27	30	GE-S-16-M 22x1,5 wd
S	400	20	M 27 x 2	42,5	20,5	16	32	36	GE-S-20-M 27x2 wd
S	400	25	M 33 x 2	47,0	23,0	18	41	46	GE-S-25-M 33x2 wd
S	400	30	M 42 x 2	50,0	23,5	20	50	50	GE-S-30-M 42x2 wd
S	315	38	M 48 x 2	57,0	26,0	22	55	60	GE-S-38-M 48x2 wd

Gerade Einschraubverschraubungen
 LL- und L-Reihe
 Einschraubgewinde: NPT

Male stud couplings
 LL - and L-series
 Thread: NPT

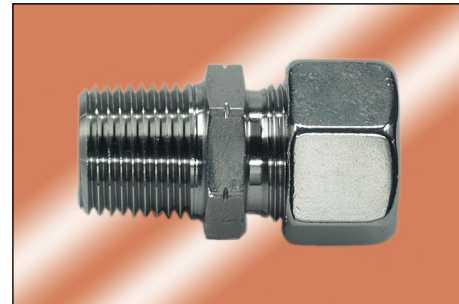
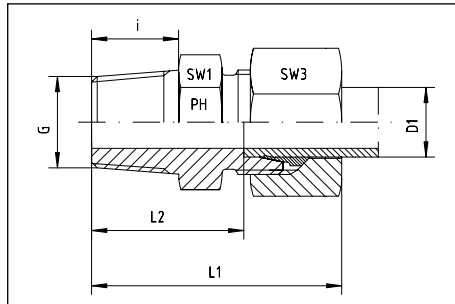


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
LL	100	4	1/8" NPT	28	18,5	10,0	11	10	GE-LL-04-1/8" NPT
LL	100	6	1/8" NPT	28	16,5	10,0	11	12	GE-LL-06-1/8" NPT
LL	100	8	1/8" NPT	30	18,5	10,0	12	14	GE-LL-08-1/8" NPT
L	315	6	1/8" NPT	32	17,0	10,0	12	14	GE-L-06-1/8" NPT
L	315	6	1/4" NPT	38	23,0	15,0	17	14	GE-L-06-1/4" NPT
L	315	6	3/8" NPT	38	23,0	15,3	19	14	GE-L-06-3/8" NPT
L	315	6	1/2" NPT	44	29,0	20,0	22	14	GE-L-06-1/2" NPT
L	315	8	1/8" NPT	33	18,0	10,0	14	17	GE-L-08-1/8" NPT
L	315	8	1/4" NPT	38	23,0	15,0	17	17	GE-L-08-1/4" NPT
L	315	8	3/8" NPT	38	23,0	15,3	19	17	GE-L-08-3/8" NPT
L	315	8	1/2" NPT	44	29,0	20,0	24	17	GE-L-08-1/2" NPT
L	315	10	1/8" NPT	33	18,0	10,0	17	19	GE-L-10-1/8" NPT
L	315	10	1/4" NPT	39	24,0	15,0	17	19	GE-L-10-1/4" NPT
L	315	10	3/8" NPT	40	25,0	15,3	19	19	GE-L-10-3/8" NPT
L	315	10	1/2" NPT	45	30,0	20,0	24	19	GE-L-10-1/2" NPT
L	315	10	3/4" NPT	46	31,0	20,0	27	19	GE-L-10-3/4" NPT
L	315	12	1/8" NPT	34	19,0	10,0	19	22	GE-L-12-1/8" NPT
L	315	12	1/4" NPT	40	25,0	15,0	19	22	GE-L-12-1/4" NPT
L	315	12	3/8" NPT	40	25,0	15,3	19	22	GE-L-12-3/8" NPT
L	315	12	1/2" NPT	45	30,0	20,0	22	22	GE-L-12-1/2" NPT
L	315	12	3/4" NPT		31,0	20,0	27	22	GE-L-12-3/4" NPT
L	315	15	1/4" NPT		26,0	15,0	24	27	GE-L-15-1/4" NPT
L	315	15	3/8" NPT	41	26,0	15,3	24	27	GE-L-15-3/8" NPT
L	315	15	1/2" NPT	46	31,0	20,0	24	27	GE-L-15-1/2" NPT
L	315	15	3/4" NPT	47	32,0	20,0	27	27	GE-L-15-3/4" NPT
L	315	18	3/8" NPT	43	26,5	15,3	27	32	GE-L-18-3/8" NPT
L	315	18	1/2" NPT	48	31,5	20,0	27	32	GE-L-18-1/2" NPT
L	315	18	3/4" NPT	48	31,5	20,0	27	32	GE-L-18-3/4" NPT
L	315	18	1" NPT	54	37,5	25,0	36	32	GE-L-18-1" NPT
L	160	22	3/8" NPT	45	28,5	15,3	32	36	GE-L-22-3/8" NPT
L	160	22	1/2" NPT	50	33,5	20,0	32	36	GE-L-22-1/2" NPT
L	160	22	3/4" NPT	50	33,5	20,0	32	36	GE-L-22-3/4" NPT
L	160	22	1" NPT	56	39,5	25,0	36	36	GE-L-22-1" NPT
L	160	22	1 1/4" NPT		46,5	25,5	46	36	GE-L-22-1 1/4" NPT
L	160	28	1/2" NPT		35,0	20,0	41	41	GE-L-28-1/2" NPT
L	160	28	3/4" NPT	51	34,5	20,0	41	41	GE-L-28-3/4" NPT
L	160	28	1" NPT	56	39,5	25,0	41	41	GE-L-28-1" NPT
L	160	28	1 1/4" NPT	48	41,5	25,5	46	41	GE-L-28-1 1/4" NPT
L	160	35	3/4" NPT			20,0	46	50	GE-L-35-3/4" NPT
L	160	35	1" NPT	61	39,5	25,0	46	50	GE-L-35-1" NPT
L	160	35	1 1/4" NPT	62	40,5	25,5	46	50	GE-L-35-1 1/4" NPT
L	160	35	1 1/2" NPT		42,5	26,0	55	50	GE-L-35-1 1/2" NPT
L	160	42	1" NPT			25,0	55	60	GE-L-42-1" NPT
L	160	42	1 1/4" NPT	65	42,0	25,5	55	60	GE-L-42-1 1/4" NPT
L	160	42	1 1/2" NPT	65	42,0	26,0	55	60	GE-L-42-1 1/2" NPT

andere Sprunggrößen auf Anfrage
 other jump sizes on request

Gerade Einschraubverschraubungen
S-Reihe
Einschraubgewinde: NPT

Male stud couplings
S-series
Thread: NPT

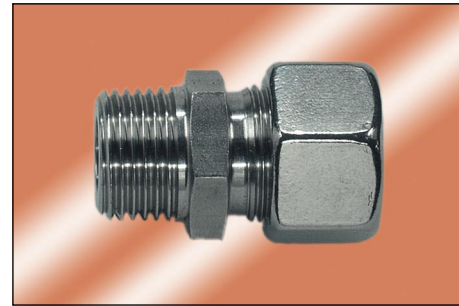
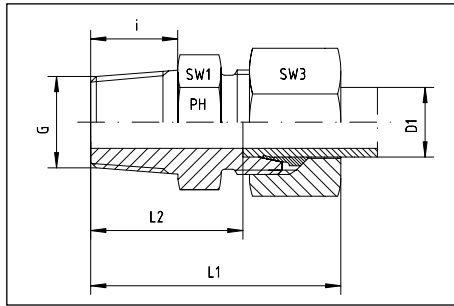


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	630	6	1/8" NPT	36	21,0	10,0	14	17	GE-S-06-1/8" NPT
S	630	6	1/4" NPT	43	28,0	15,0	17	17	GE-S-06-1/4" NPT
S	630	6	3/8" NPT	41	26,0	15,3	19	17	GE-S-06-3/8" NPT
S	630	6	1/2" NPT	35	20,0	20,0	22	17	GE-S-06-1/2" NPT
S	630	8	1/8" NPT		23,0	10,0	17	19	GE-S-08-1/8" NPT
S	630	8	1/4" NPT	43	28,0	15,0	17	19	GE-S-08-1/4" NPT
S	630	8	3/8" NPT	43	28,0	15,3	19	19	GE-S-08-3/8" NPT
S	630	8	1/2" NPT	50	35,0	20,0	22	19	GE-S-08-1/2" NPT
S	630	10	1/8" NPT			10,0	19	22	GE-S-10-1/8" NPT
S	630	10	1/4" NPT	44	27,5	15,0	19	22	GE-S-10-1/4" NPT
S	630	10	3/8" NPT	44	27,5	15,3	19	22	GE-S-10-3/8" NPT
S	630	10	1/2" NPT	51	34,5	20,0	22	22	GE-S-10-1/2" NPT
S	630	10	3/4" NPT	53	36,5	20,0	27	22	GE-S-10-3/4" NPT
S	630	12	1/4" NPT	46	29,5	15,0	22	24	GE-S-12-1/4" NPT
S	630	12	3/8" NPT	46	29,5	15,3	22	24	GE-S-12-3/8" NPT
S	630	12	1/2" NPT	51	34,5	20,0	22	24	GE-S-12-1/2" NPT
S	630	12	3/4" NPT	53	36,5	20,0	27	24	GE-S-12-3/4" NPT
S	630	14	3/8" NPT	49	23,0	15,3	24	27	GE-S-14-3/8" NPT
S	630	14	1/2" NPT	54	36,0	20,0	24	27	GE-S-14-1/2" NPT
S	630	14	3/4" NPT	56	38,0	20,0	27	27	GE-S-14-3/4" NPT
S	400	16	3/8" NPT	49	30,5	15,3	27	30	GE-S-16-3/8" NPT
S	400	16	1/2" NPT	54	35,5	20,0	27	30	GE-S-16-1/2" NPT
S	400	16	3/4" NPT	56	37,5	20,0	30	30	GE-S-16-3/4" NPT
S	400	16	1" NPT	63	44,5	25,0	36	30	GE-S-16-1" NPT
S	400	20	3/8" NPT		32,5	15,3	32	36	GE-S-20-3/8" NPT
S	400	20	1/2" NPT	59	37,5	20,0	32	36	GE-S-20-1/2" NPT
S	400	20	3/4" NPT	59	37,5	20,0	32	36	GE-S-20-3/4" NPT
S	400	20	1" NPT	66	44,5	25,0	36	36	GE-S-20-1" NPT
S	400	20	1 1/4" NPT			25,5	46	36	GE-S-20-1 1/4" NPT
S	400	25	1/2" NPT			20,0	41	46	GE-S-25-1/2" NPT
S	400	25	3/4" NPT	64	40,0	20,0	41	46	GE-S-25-3/4" NPT
S	400	25	1" NPT	69	45,0	25,0	41	46	GE-S-25-1" NPT
S	400	25	1 1/4" NPT	70	46,0	25,5	46	46	GE-S-25-1 1/4" NPT
S	400	30	3/4" NPT	67	40,5	20,0	46	50	GE-S-30-3/4" NPT
S	400	30	1" NPT	72	45,5	25,0	46	50	GE-S-30-1" NPT
S	400	30	1 1/4" NPT	73	46,5	25,5	46	50	GE-S-30-1 1/4" NPT
S	400	30	1 1/2" NPT	73	46,5	26,0	55	50	GE-S-30-1 1/2" NPT
S	315	38	1" NPT	79	48,0	25,0	55	60	GE-S-38-1" NPT
S	315	38	1 1/4" NPT	80	49,0	25,5	55	60	GE-S-38-1 1/4" NPT
S	315	38	1 1/2" NPT	80	49,0	26,0	55	60	GE-S-38-1 1/2" NPT

andere Sprunggrößen auf Anfrage
other jump sizes on request

Gerade Einschraubverschraubungen
 LL- und L-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

Male stud couplings
 LL- and L-series
 Thread: BSP - taper

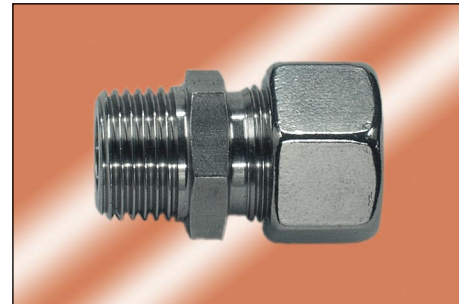
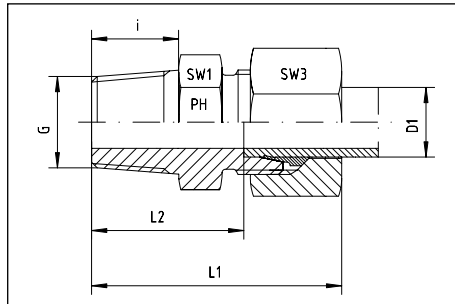


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
LL	100	4	R 1/8" keg	26	16,0	8	10	10	GE-LL-04-R 1/8" keg
LL	100	6	R 1/8" keg	26	14,5	8	11	12	GE-LL-06-R 1/8" keg
LL	100	6	R 1/4" keg	31	18,5	12	14	12	GE-LL-06-R 1/4" keg
LL	100	8	R 1/8" keg	28	16,5	8	12	14	GE-LL-08-R 1/8" keg
LL	100	8	R 1/4" keg	32	20,5	12	14	12	GE-LL-08-R 1/4" keg
L	315	6	R 1/8" keg	30	15,0	8	14	14	GE-L-06-R 1/8" keg
L	315	6	R 1/4" keg	35	20,0	12	17	14	GE-L-06-R 1/4" keg
L	315	6	R 3/8" keg	36	21,0	12	17	14	GE-L-06-R 3/8" keg
L	315	6	R 1/2" keg			14	22	14	GE-L-06-R 1/2" keg
L	315	8	R 1/8" keg	31	16,0	8	14	17	GE-L-08-R 1/8" keg
L	315	8	R 1/4" keg	35	20,0	12	17	17	GE-L-08-R 1/4" keg
L	315	8	R 3/8" keg	35	20,0	12	17	17	GE-L-08-R 3/8" keg
L	315	8	R 1/2" keg	38	22,0	14	22	17	GE-L-08-R 1/2" keg
L	315	10	R 1/8" keg	32	17,0	8	17	19	GE-L-10-R 1/8" keg
L	315	10	R 1/4" keg	36	21,0	12	17	19	GE-L-10-R 1/4" keg
L	315	10	R 3/8" keg	36	21,0	12	17	19	GE-L-10-R 3/8" keg
L	315	10	R 1/2" keg	39	24,0	14	22	19	GE-L-10-R 1/2" keg
L	315	12	R 1/8" keg			8	19	22	GE-L-12-R 1/8" keg
L	315	12	R 1/4" keg	37	22,0	12	19	22	GE-L-12-R 1/4" keg
L	315	12	R 3/8" keg	37	22,0	12	19	22	GE-L-12-R 3/8" keg
L	315	12	R 1/2" keg	39	24,0	14	22	22	GE-L-12-R 1/2" keg
L	315	12	R 3/4" keg			16	27	22	GE-L-12-R 3/4" keg
L	315	15	R 1/4" keg			12	24	27	GE-L-15-R 1/4" keg
L	315	15	R 3/8" keg	38	23,0	12	24	27	GE-L-15-R 3/8" keg
L	315	15	R 1/2" keg	40	25,0	14	24	27	GE-L-15-R 1/2" keg
L	315	15	R 3/4" keg			16	27	27	GE-L-15-R 3/4" keg
L	315	18	R 3/8" keg	42	23,5	12	27	32	GE-L-18-R 3/8" keg
L	315	18	R 1/2" keg	42	25,5	14	27	32	GE-L-18-R 1/2" keg
L	160	18	R 3/4" keg			16	27	32	GE-L-18-R 3/4" keg
L	160	22	R 3/8" keg	46	25,5	12	32	36	GE-L-22-R 3/8" keg
L	160	22	R 1/2" keg	46	25,5	14	32	36	GE-L-22-R 1/2" keg
L	160	22	R 3/4" keg	46	29,5	16	32	36	GE-L-22-R 3/4" keg
L	160	22	R 1" keg	50	31,5	18	32	36	GE-L-22-R 1" keg
L	160	28	R 1/2" keg			14	41	41	GE-L-28-R 1/2" keg
L	160	28	R 3/4" keg	49	30,5	16	41	41	GE-L-28-R 3/4" keg
L	160	28	R 1" keg	49	32,5	18	41	41	GE-L-28-R 1" keg
L	160	28	R 1 1/4" keg	49	30,5	20	46	41	GE-L-28-R 1 1/4" keg
L	160	35	R 1" keg	51	27,5	18	46	50	GE-L-35-R 1" keg
L	160	35	R 1 1/4" keg	56	34,5	20	46	50	GE-L-35-R 1 1/4" keg
L	160	35	R 1 1/2" keg			22	50	50	GE-L-35-R 1 1/2" keg
L	160	42	R 1 1/4" keg	55	31,0	20	55	60	GE-L-42-R 1 1/4" keg
L	160	42	R 1 1/2" keg	61	38,0	22	55	60	GE-L-42-R 1 1/2" keg

andere Sprunggrößen auf Anfrage
 other jump sizes on request

Gerade Einschraubverschraubungen
 S-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

Male stud couplings
 S-series
 Thread: BSP - taper

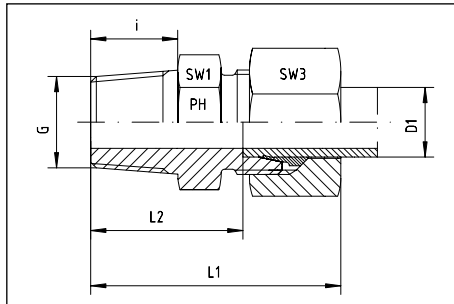


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
S	400	6	R 1/8" keg			8	17	17	GE-S-06-R 1/8" keg
S	400	6	R 1/4" keg	40	25,0	12	17	17	GE-S-06-R 1/4" keg
S	400	6	R 3/8" keg			12	17	17	GE-S-06-R 3/8" keg
S	400	8	R 1/8" keg			8	17	19	GE-S-08-R 1/8" keg
S	400	8	R 1/4" keg	40	25,0	12	17	19	GE-S-08-R 1/4" keg
S	400	8	R 3/8" keg	40	25,0	12	19	19	GE-S-08-R 3/8" keg
S	400	10	R 1/4" keg	41	25,0	12	19	22	GE-S-10-R 1/4" keg
S	400	10	R 3/8" keg	41	25,0	12	19	22	GE-S-10-R 3/8" keg
S	400	10	R 1/2" keg			14	22	22	GE-S-10-R 1/2" keg
S	400	12	R 1/4" keg	43	26,5	12	22	24	GE-S-12-R 1/4" keg
S	400	12	R 3/8" keg	42	25,0	12	22	24	GE-S-12-R 3/8" keg
S	400	12	R 1/2" keg			14	22	24	GE-S-12-R 1/2" keg
S	400	14	R 3/8" keg			12	24	27	GE-S-14-R 3/8" keg
S	400	14	R 1/2" keg			14	24	27	GE-S-14-R 1/2" keg
S	400	16	R 3/8" keg	48	28,5	12	27	30	GE-S-16-R 3/8" keg
S	400	16	R 1/2" keg	49	29,0	14	27	30	GE-S-16-R 1/2" keg
S	160	16	R 3/4" keg			16	27	30	GE-S-16-R 3/4" keg
S	400	20	R 1/2" keg			14	32	36	GE-S-20-R 1/2" keg
S	160	20	R 3/4" keg	55	33,5	16	32	36	GE-S-20-R 3/4" keg
S	160	20	R 1" keg			18	36	36	GE-S-20-R 1" keg
S	160	25	R 3/4" keg			16	41	46	GE-S-25-R 3/4" keg
S	160	25	R 1" keg	59	33,0	18	41	46	GE-S-25-R 1" keg
S	160	30	R 1 1/4" keg	63	35,5	20	46	50	GE-S-30-R 1 1/4" keg
S	160	38	R 1 1/2" keg	81	49,0	22	55	60	GE-S-38-R 1 1/2" keg

andere Sprunggrößen auf Anfrage
 other jump sizes on request

Gerade Einschraubverschraubungen
 LL-, L- und S-Reihe
 Einschraubgewinde: metrisches Feingewinde - kegelig

Male stud couplings
 LL-, L- and S-series
 Thread: metric - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
LL	100	4	M 6 x 1 keg	26,0	16,0	8	10	10	GE-LL-04-M 6x1 keg
LL	100	4	M 8 x 1 keg	26,0	16,0	8	10	10	GE-LL-04-M 8x1 keg
LL	100	4	M 10 x 1 keg	26,0	16,0	8	11	10	GE-LL-04-M 10x1 keg
LL	100	6	M 6 x 1 keg	26,0	14,5	8	11	12	GE-LL-06-M 6x1 keg
LL	100	6	M 8 x 1 keg	26,0	14,5	8	11	12	GE-LL-06-M 8x1 keg
LL	100	6	M 10 x 1 keg	26,0	14,5	8	11	12	GE-LL-06-M 10x1 keg
LL	100	8	M 6 x 1 keg	28,0	16,5	8	12	14	GE-LL-08-M 6x1 keg
LL	100	8	M 8 x 1 keg	28,0	16,5	8	12	14	GE-LL-08-M 8x1 keg
LL	100	8	M 10 x 1 keg	28,0	16,5	8	12	14	GE-LL-08-M 10x1 keg
L	315	6	M 10 x 1 keg	30,5	16,0	8	14	14	GE-L-06-M 10x1 keg
L	315	8	M 12 x 1,5 keg	35,0	20,0	12	17	17	GE-L-08-M 12x1,5 keg
L	315	10	M 14 x 1,5 keg	36,0	21,0	12	17	19	GE-L-10-M 14x1,5 keg
L	315	12	M 16 x 1,5 keg	37,0	22,0	12	19	22	GE-L-12-M 16x1,5 keg
L	315	15	M 18 x 1,5 keg	40,0	23,0	12	24	27	GE-L-15-M 18x1,5 keg
L	315	18	M 22 x 1,5 keg	42,0	25,5	14	27	32	GE-L-18-M 22x1,5 keg

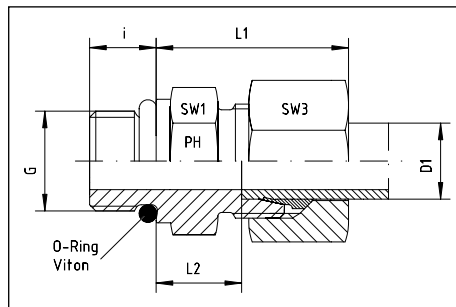
Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: UNF (ASA B 1.1 - 1960)

Abdichtung durch Runddichtring (O-Ring) - SAE J 514

Achtung: Spezielle Gewindeaussenkung erforderlich.



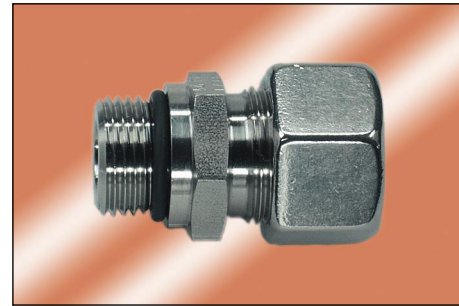
Male stud couplings

L-series

Thread: UNF (ASA B 1.1 -1960)

Sealing by O-ring in thread undercut - SAE J 514

Note: A special part shape must be machined.



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					O-Ring O-ring	Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3		
L	315	6	7/16"-20 UNF	23,5	9,0	9,2	17	14	8,92 x 1,83	GE-L-06-7/16" UNF
L	315	6	1/2"-20 UNF			9,2	17	14	10,52 x 1,83	GE-L-06-1/2" UNF
L	315	6	9/16"-18 UNF			10,0	19	14	11,90 x 1,98	GE-L-06-9/16" UNF
L	315	8	7/16"-20 UNF	25,0	10,0	9,2	17	17	8,92 x 1,83	GE-L-08-7/16" UNF
L	315	8	1/2"-20 UNF	25,0	10,0	9,2	17	17	10,52 x 1,83	GE-L-08-1/2" UNF
L	315	8	9/16"-18 UNF	25,0	10,0	10,0	19	17	11,90 x 1,98	GE-L-08-9/16" UNF
L	315	10	7/16"-20 UNF	26,0	11,0	9,2	17	19	8,92 x 1,83	GE-L-10-7/16" UNF
L	315	10	1/2"-20 UNF			9,2	17	19	10,52 x 1,83	GE-L-10-1/2" UNF
L	315	10	9/16"-18 UNF	26,0	11,0	10,0	19	19	11,90 x 1,98	GE-L-10-9/16" UNF
L	315	10	3/4"-16 UNF			11,2	24	19	16,36 x 2,20	GE-L-10-3/4" UNF
L	315	12	9/16"-18 UNF	26,0	12,5	10,0	19	22	11,90 x 1,98	GE-L-12-9/16" UNF
L	315	12	3/4"-16 UNF	27,0	12,5	11,2	24	22	16,36 x 2,20	GE-L-12-3/4" UNF
L	315	12	7/8"-14 UNF	27,5	13,5	12,7	27	22	19,18 x 2,46	GE-L-12-7/8" UNF
L	315	15	9/16"-18 UNF	29,0	14,0	10,0	24	27	11,90 x 1,98	GE-L-15-9/16" UNF
L	315	15	3/4"-16 UNF	29,0	14,0	11,2	24	27	16,36 x 2,20	GE-L-15-3/4" UNF
L	315	15	7/8"-14 UNF	29,0	14,0	12,7	27	27	19,18 x 2,46	GE-L-15-7/8" UNF
L	315	18	3/4"-16 UNF	31,0	14,5	11,2	27	32	16,36 x 2,20	GE-L-18-3/4" UNF
L	315	18	7/8"-14 UNF	31,0	14,5	12,7	27	32	19,18 x 2,46	GE-L-18-7/8" UNF
L	315	18	1 1/16"-12 UN	31,0	14,5	15,0	32	32	23,47 x 2,95	GE-L-18-1 1/16" UN
L	160	22	7/8"-14 UNF	33,0	16,5	12,7	32	36	19,18 x 2,46	GE-L-22-7/8" UNF
L	160	22	1 1/16"-12 UN	33,0	16,5	15,0	32	36	23,47 x 2,95	GE-L-22-1 1/16" UN
L	160	22	1 5/16"-12 UN	33,0	16,5	15,0	41	36	29,74 x 2,95	GE-L-22-1 5/16" UN
L	160	28	7/8"-14 UNF	34,0	17,5	12,7	41	41	19,18 x 2,46	GE-L-28-7/8" UNF
L	160	28	1 1/16"-12 UN	34,0	17,5	15,0	41	41	23,47 x 2,95	GE-L-28-1 1/16" UN
L	160	28	1 5/16"-12 UN	34,0	17,5	15,0	41	41	29,74 x 2,95	GE-L-28-1 5/16" UN
L	160	28	1 5/8"-12 UN	34,0	17,5	15,0	50	41	37,46 x 3,00	GE-L-28-1 5/8" UN
L	160	35	1 1/16"-12 UN	39,0	17,5	15,0	46	50	23,47 x 2,95	GE-L-35-1 1/16" UN
L	160	35	1 5/16"-12 UN	39,0	17,5	15,0	46	50	29,74 x 2,95	GE-L-35-1 5/16" UN
L	160	35	1 5/8"-12 UN	39,0	17,5	15,0	50	50	37,46 x 3,00	GE-L-35-1 5/8" UN
L	160	42	1 5/8"-12 UN	42,0	19,0	15,0	55	60	37,46 x 3,00	GE-L-42-1 5/8" UN
L	160	42	1 7/8"-12 UN	42,0	19,0	15,0	55	60	43,69 x 3,00	GE-L-42-1 7/8" UN

andere Größen auf Anfrage
other sizes on request

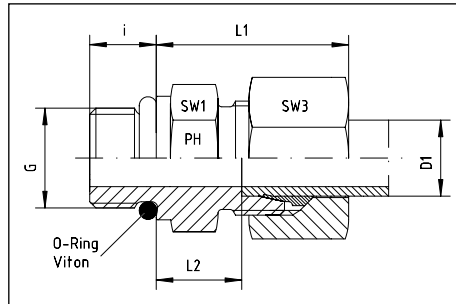
Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: UNF (ASA B 1.1 - 1960)

Abdichtung durch Runddichtring (O-Ring) - SAE J 514

Achtung: Spezielle Gewindeaussenkung erforderlich.



Male stud couplings

S-series

Thread: UNF (ASA B 1.1 -1960)

Sealing by O-ring in thread undercut - SAE J 514

Note: A special part shape must be machined.

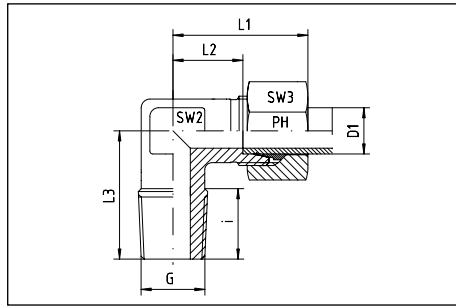


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					O-Ring O-ring	Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3		
S	630	6	7/16"-20 UNF	28,0	13,0	9,2	17	17	8,92 x 1,83	GE-S-06-7/16" UNF
S	630	6	9/16"-18 UNF			10,0	19	17	11,90 x 1,98	GE-S-06-9/16" UNF
S	630	8	7/16"-20 UNF	30,0	15,0	9,2	17	19	8,92 x 1,83	GE-S-08-7/16" UNF
S	630	8	1/2"-20 UNF	30,0	15,0	9,2	17	19	10,52 x 1,83	GE-S-08-1/2" UNF
S	630	8	9/16"-18 UNF			10,0	19	19	11,90 x 1,98	GE-S-08-9/16" UNF
S	630	10	9/16"-18 UNF	31,0	15,0	10,0	19	22	11,90 x 1,98	GE-S-10-9/16" UNF
S	630	10	3/4"-16 UNF	31,0	15,0	11,2	24	22	16,36 x 2,20	GE-S-10-3/4" UNF
S	630	12	9/16"-18 UNF			10,0	22	24	11,90 x 1,98	GE-S-12-9/16" UNF
S	630	12	3/4"-16 UNF	33,5	17,5	11,2	24	24	16,36 x 2,20	GE-S-12-3/4" UNF
S	630	12	7/8"-14 UNF	32,5	16,5	12,7	27	24	19,18 x 2,46	GE-S-12-7/8" UNF
S	630	14	9/16"-18 UNF	37,0	19,0	10,0	24	27	11,90 x 1,98	GE-S-14-9/16" UNF
S	630	14	3/4"-16 UNF	37,0	19,0	11,2	24	27	16,36 x 2,20	GE-S-14-3/4" UNF
S	400	16	3/4"-16 UNF	37,0	18,5	11,2	27	30	16,36 x 2,20	GE-S-16-3/4" UNF
S	400	16	7/8"-14 UNF	33,5	15,0	14,0	30	30	19,18 x 2,46	GE-S-16-7/8" UNF
S	400	16	1 1/16"-12 UN	37,0	18,5	15,0	32	30	23,47 x 2,95	GE-S-16-1 1/16" UN
S	400	20	3/4"-16 UNF	42,0	20,5	11,2	32	36	16,36 x 2,20	GE-S-20-3/4" UNF
S	400	20	7/8"-14 UNF	42,0	20,5	12,7	32	36	19,18 x 2,46	GE-S-20-7/8" UNF
S	400	20	1 1/16"-12 UN	42,0	20,5	15,0	32	36	23,47 x 2,95	GE-S-20-1 1/16" UN
S	400	25	1 1/16"-12 UN	47,0	23,0	15,0	41	46	23,47 x 2,95	GE-S-25-1 1/16" UN
S	400	25	1 5/16"-12 UN	47,0	23,0	15,0	41	46	29,74 x 2,95	GE-S-25-1 5/16" UN
S	400	30	1 1/16"-12 UN	50,0	23,5	15,0	46	50	23,47 x 2,95	GE-S-30-1 1/16" UN
S	400	30	1 5/16"-12 UN	50,0	23,5	15,0	46	50	29,74 x 2,95	GE-S-30-1 5/16" UN
S	400	30	1 5/8"-12 UN	50,0	23,5	15,0	50	50	37,46 x 3,00	GE-S-30-1 5/8" UN
S	315	38	1 5/8"-12 UN	57,0	26,0	15,0	55	60	37,46 x 3,00	GE-S-38-1 5/8" UN
S	315	38	1 7/8"-12 UN	57,0	26,0	15,0	55	60	43,69 x 3,00	GE-S-38-1 7/8" UN

andere Größen auf Anfrage
other sizes on request

Winkel-Einschraubverschraubungen
 LL- und L-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

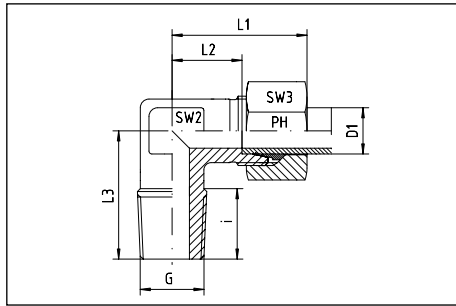
LL- and L-series
 Thread: BSP - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	R 1/8" keg	21,0	11,0	17	8	9	10	WE-LL-04-R 1/8" k
LL	100	6	R 1/8" keg	21,0	9,5	17	8	9	12	WE-LL-06-R 1/8" k
LL	100	8	R 1/8" keg	23,0	11,5	20	8	12	14	WE-LL-08-R 1/8" k
L	315	6	R 1/8" keg	27,0	12,0	20	8	12	14	WE-L-06-R 1/8" k
L	315	6	R 1/4" keg	27,0	12,0	26	12	12	14	WE-L-06-R 1/4" k
L	315	6	R 3/8" keg	30,0	15,0	27	12	14	14	WE-L-06-R 3/8" k
L	315	6	R 1/2" keg	30,5	15,5	30	14	17	14	WE-L-06-R 1/2" k
L	315	8	R 1/8" keg	29,0	14,0	26	8	12	17	WE-L-08-R 1/8" k
L	315	8	R 1/4" keg	29,0	14,0	26	12	12	17	WE-L-08-R 1/4" k
L	315	8	R 3/8" keg	32,0	17,0	28	12	14	17	WE-L-08-R 3/8" k
L	315	8	R 1/2" keg	34,5	19,5	30	14	17	17	WE-L-08-R 1/2" k
L	315	10	R 1/8" keg	31,5	15,0	27	8	14	19	WE-L-10-R 1/8" k
L	315	10	R 1/4" keg	30,0	15,0	27	12	14	19	WE-L-10-R 1/4" k
L	315	10	R 3/8" keg	30,0	15,0	28	12	14	19	WE-L-10-R 3/8" k
L	315	10	R 1/2" keg	37,0	21,0	33	14	17	19	WE-L-10-R 1/2" k
L	315	12	R 1/8" keg	32,0	17,5	27	8	17	22	WE-L-12-R 1/8" k
L	315	12	R 1/4" keg	32,0	17,5	27	12	17	22	WE-L-12-R 1/4" k
L	315	12	R 3/8" keg	32,0	17,5	28	12	17	22	WE-L-12-R 3/8" k
L	315	12	R 1/2" keg	32,0	17,5	34	14	17	22	WE-L-12-R 1/2" k
L	315	15	R 1/4" keg	36,0	21,0	32	12	19	27	WE-L-15-R 1/4" k
L	315	15	R 3/8" keg	36,0	21,0		12	19	27	WE-L-15-R 3/8" k
L	315	15	R 1/2" keg	36,0	21,0	34	14	19	27	WE-L-15-R 1/2" k
L	160	15	R 3/4" keg				16	24	27	WE-L-15-R 3/4" k
L	315	18	R 3/8" keg	40,0	23,5		12	24	32	WE-L-18-R 3/8" k
L	315	18	R 1/2" keg	40,0	23,5	36	14	24	32	WE-L-18-R 1/2" k
L	160	18	R 3/4" keg	38,5	22,0	41	16	24	32	WE-L-18-R 3/4" k
L	160	22	R 1/2" keg	44,0	27,5	41	14	27	36	WE-L-22-R 1/2" k
L	160	22	R 3/4" keg	44,0	27,5	41	16	27	36	WE-L-22-R 3/4" k
L	160	28	R 1" keg				18	36	41	WE-L-28-R 1" k

Winkel-Einschraubverschraubungen
 S-Reihe
 Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

S-series
 Thread: BSP - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
S	400	6	R 1/8" keg	29,5	15,0	25	8	12	17	WE-S-06-R 1/8" k
S	400	6	R 1/4" keg	31,0	16,5	26	12	12	17	WE-S-06-R 1/4" k
S	400	6	R 3/8" keg	32,0	17,5	27	12	14	17	WE-S-06-R 3/8" k
S	400	6	R 1/2" keg	34,0	19,0	33	14	17	17	WE-S-06-R 1/2" k
S	400	8	R 1/8" keg				8	14	19	WE-S-08-R 1/8" k
S	400	8	R 1/4" keg	32,0	17,0	27	12	14	19	WE-S-08-R 1/4" k
S	400	8	R 3/8" keg	33,0	18,0	28	12	14	19	WE-S-08-R 3/8" k
S	400	8	R 1/2" keg	38,0	23,0	33	14	17	19	WE-S-08-R 1/2" k
S	400	10	R 1/8" keg				8	17	22	WE-S-10-R 1/8" k
S	400	10	R 1/4" keg	34,0	17,5	28	12	17	22	WE-S-10-R 1/4" k
S	400	10	R 3/8" keg	34,0	17,5	28	12	17	22	WE-S-10-R 3/8" k
S	400	10	R 1/2" keg	39,0	22,5	32	14	17	22	WE-S-10-R 1/2" k
S	400	12	R 1/4" keg	38,0	21,5	27	12	17	24	WE-S-12-R 1/4" k
S	400	12	R 3/8" keg	38,0	21,5	28	12	17	24	WE-S-12-R 3/8" k
S	400	12	R 1/2" keg	39,0	22,5	32	14	17	24	WE-S-12-R 1/2" k
S	400	14	R 3/8" keg	40,0	22,0	30	12	19	27	WE-S-14-R 3/8" k
S	400	14	R 1/2" keg	40,0	22,0	32	14	19	27	WE-S-14-R 1/2" k
S	400	16	R 3/8" keg	43,0	24,5	32	12	24	30	WE-S-16-R 3/8" k
S	400	16	R 1/2" keg	43,0	24,5	32	14	24	30	WE-S-16-R 1/2" k
S	160	16	R 3/4" keg	43,0	24,5	41	16	24	30	WE-S-16-R 3/4" k
S	400	20	R 1/2" keg	48,0	26,5	42	14	27	36	WE-S-20-R 1/2" k
S	160	20	R 3/4" keg	48,0	26,5	42	16	27	36	WE-S-20-R 3/4" k

Winkel-Einschraubverschraubungen

L- und S-Reihe

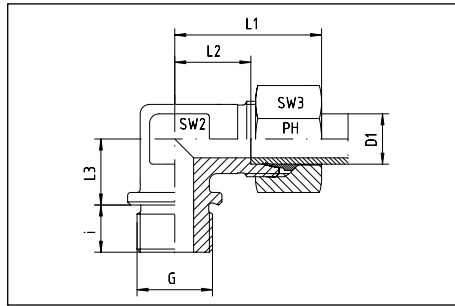
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: BSP - parallel

Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	G 3/4" zyl	44	27,5	26	16	27	36	WE-L-22-G 3/4" z
L	160	28	G 1" zyl	47	30,5	30	18	36	41	WE-L-28-G 1" z
L	160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	WE-L-35-G 1 1/4" z
L	160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	WE-L-42-G 1 1/2" z
S	400	20	G 3/4" zyl	48	26,5	26	16	27	36	WE-S-20-G 3/4" z
S	250	25	G 1" zyl	54	30,0	30	18	36	46	WE-S-25-G 1" z
S	160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	WE-S-30-G 1 1/4" z
S	160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	WE-S-38-G 1 1/2" z

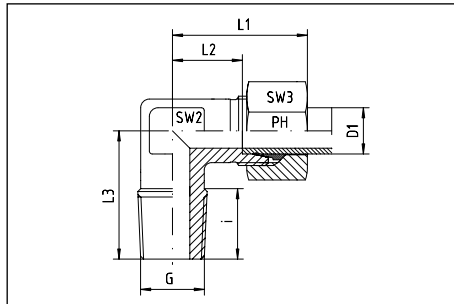
Winkel-Einschraubverschraubungen

LL-, L- und S-Reihe

Einschraubgewinde: metrisches Feingewinde - kegelig

LL-, L- and S-series

Thread: metric - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	M 6 x 1 keg	21	11,0	17	8	9	10	WE-LL-04-M 6x1 k
LL	100	4	M 8 x 1 keg	21	11,0	17	8	9	10	WE-LL-04-M 8x1 k
LL	100	4	M 10 x 1 keg	21	11,0	17	8	9	10	WE-LL-04-M 10x1 k
LL	100	6	M 6 x 1 keg	23	10,0	17	8	9	12	WE-LL-06-M 6x1 k
LL	100	6	M 8 x 1 keg	23	10,0	17	8	9	12	WE-LL-06-M 8x1 k
LL	100	6	M 10 x 1 keg	21	9,5	17	8	9	12	WE-LL-06-M 10x1 k
LL	100	8	M 6 x 1 keg	23	11,5	20	8	12	14	WE-LL-08-M 6x1 k
LL	100	8	M 8 x 1 keg	23	11,5	20	8	12	14	WE-LL-08-M 8x1 k
LL	100	8	M 10 x 1 keg	23	11,5	20	8	12	14	WE-LL-08-M 10x1 k
L	315	6	M 10 x 1 keg	27	12,0	20	8	12	14	WE-L-06-M 10x1 k
L	315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	WE-L-08-M 12x1,5 k
L	315	10	M 12 x 1,5 keg	30	15,0	27	12	14	19	WE-L-10-M 12x1,5 k
L	315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	WE-L-10-M 14x1,5 k
L	315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	WE-L-12-M 16x1,5 k
L	315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	WE-L-15-M 18x1,5 k
L	315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32	WE-L-18-M 22x1,5 k
S	400	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	WE-S-06-M 12x1,5 k
S	400	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	WE-S-08-M 14x1,5 k
S	400	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	WE-S-10-M 16x1,5 k
S	400	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	WE-S-12-M 18x1,5 k
S	400	14	M 20 x 1,5 keg	40	22,0	32	14	19	27	WE-S-14-M 20x1,5 k
S	400	16	M 22 x 1,5 keg	43	24,5	32	14	24	30	WE-S-16-M 22x1,5 k

Winkel-Einschraubverschraubungen

L- und S-Reihe

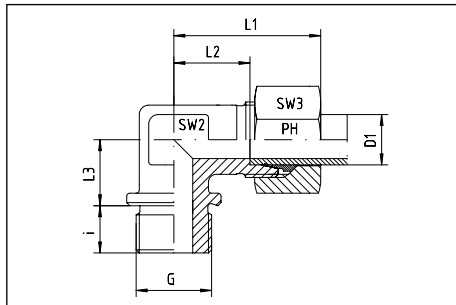
Einschraubgewinde: metrisches Feingewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: metric - parallel

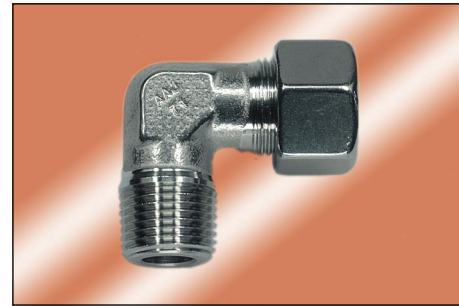
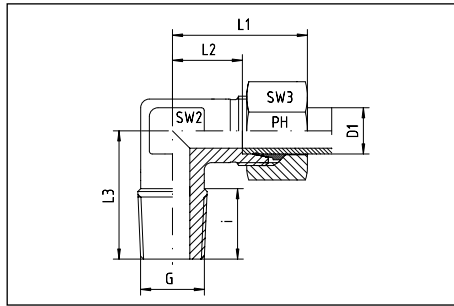
Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	WE-L-22-M 26x1,5 z
L	160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	WE-L-28-M 33x2 z
L	160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	WE-L-35-M 42x2 z
L	160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	WE-L-42-M 48x2 z
S	400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	WE-S-20-M 27x2 z
S	250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	WE-S-25-M 33x2 z
S	160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	WE-S-30-M 42x2 z
S	160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	WE-S-38-M 48x2 z

Winkel-Einschraubverschraubungen
 LL- und L-Reihe
 Einschraubgewinde: NPT

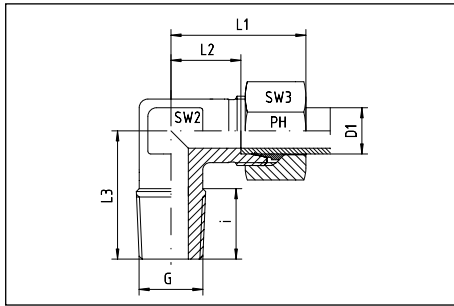
LL- and L-series
 Thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	1/8" NPT	21,0	11,0	17	10,0	9	10	WE-LL-04-1/8" NPT
LL	100	6	1/8" NPT	21,0	9,5	17	10,0	9	12	WE-LL-06-1/8" NPT
LL	100	8	1/8" NPT	23,0	11,5	20	10,0	12	14	WE-LL-08-1/8" NPT
L	315	6	1/8" NPT	27,0	12,0	20	10,0	12	14	WE-L-06-1/8" NPT
L	315	6	1/4" NPT	29,0	14,0	26	15,0	12	14	WE-L-06-1/4" NPT
L	315	6	3/8" NPT	33,0	18,0	28	15,3	14	14	WE-L-06-3/8" NPT
L	315	6	1/2" NPT	30,5	15,5	30	20,0	17	14	WE-L-06-1/2" NPT
L	315	8	1/8" NPT	29,0	14,0	26	10,0	12	17	WE-L-08-1/8" NPT
L	315	8	1/4" NPT	29,0	14,0	26	15,0	12	17	WE-L-08-1/4" NPT
L	315	8	3/8" NPT	29,0	14,0	26	15,3	14	17	WE-L-08-3/8" NPT
L	315	8	1/2" NPT	34,5	19,5	30	20,0	17	17	WE-L-08-1/2" NPT
L	315	10	1/8" NPT	30,0	15,0	27	10,0	14	19	WE-L-10-1/8" NPT
L	315	10	1/4" NPT	30,0	15,0	27	15,0	14	19	WE-L-10-1/4" NPT
L	315	10	3/8" NPT	32,0	17,0	28	15,3	14	19	WE-L-10-3/8" NPT
L	315	10	1/2" NPT	37,0	21,0	33	20,0	17	19	WE-L-10-1/2" NPT
L	315	12	1/4" NPT	32,0	17,0	28	15,0	17	22	WE-L-12-1/4" NPT
L	315	12	3/8" NPT	32,0	17,0	28	15,3	17	22	WE-L-12-3/8" NPT
L	315	12	1/2" NPT	36,0	21,0	34	20,0	17	22	WE-L-12-1/2" NPT
L	315	15	3/8" NPT	36,0	21,0	34	15,3	19	27	WE-L-15-3/8" NPT
L	315	15	1/2" NPT	36,0	21,0	34	20,0	19	27	WE-L-15-1/2" NPT
L	315	18	3/8" NPT	40,0	23,5	36	15,3	24	32	WE-L-18-3/8" NPT
L	315	18	1/2" NPT	40,0	23,5	36	20,0	24	32	WE-L-18-1/2" NPT
L	315	18	3/4" NPT	38,5	22,0	41	20,0	24	32	WE-L-18-3/4" NPT
L	160	22	1/2" NPT	44,0	27,5	42	20,0	27	36	WE-L-22-1/2" NPT
L	160	22	3/4" NPT	44,0	27,5	42	20,0	27	36	WE-L-22-3/4" NPT
L	160	28	3/4" NPT	47,0	30,5	48	20,0	36	41	WE-L-28-3/4" NPT
L	160	28	1" NPT	47,0	30,5	48	25,0	36	41	WE-L-28-1" NPT
L	160	35	1 1/4" NPT	56,0	34,5	54	25,5	41	50	WE-L-35-1 1/4" NPT
L	160	42	1 1/2" NPT	63,0	40,0	61	26,0	50	60	WE-L-42-1 1/2" NPT

Winkel-Einschraubverschraubungen
S-Reihe
Einschraubgewinde: NPT

S-series
Thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
S	630	6	1/4" NPT	31	16,0	26	15,0	12	17	WE-S-06-1/4" NPT
S	630	6	3/8" NPT	32	17,5	27	15,3	14	17	WE-S-06-3/8" NPT
S	630	6	1/2" NPT	36	21,0	34	20,0	17	17	WE-S-06-1/2" NPT
S	630	8	1/4" NPT	32	17,0	27	15,0	14	19	WE-S-08-1/4" NPT
S	630	8	3/8" NPT	33	18,0	28	15,3	14	19	WE-S-08-3/8" NPT
S	630	8	1/2" NPT	38	23,0	34	20,0	17	19	WE-S-08-1/2" NPT
S	630	10	1/4" NPT	34	17,5	28	15,0	17	22	WE-S-10-1/4" NPT
S	630	10	3/8" NPT	34	17,5	28	15,3	17	22	WE-S-10-3/8" NPT
S	630	10	1/2" NPT	39	22,5	32	20,0	17	22	WE-S-10-1/2" NPT
S	630	12	1/4" NPT	38	21,5	29	15,0	17	24	WE-S-12-1/4" NPT
S	630	12	3/8" NPT	38	21,5	28	15,3	17	24	WE-S-12-3/8" NPT
S	630	12	1/2" NPT	39	21,5	34	20,0	17	24	WE-S-12-1/2" NPT
S	630	14	3/8" NPT	40	22,0	30	15,3	19	27	WE-S-14-3/8" NPT
S	630	14	1/2" NPT	40	22,0	34	20,0	19	27	WE-S-14-1/2" NPT
S	400	16	3/8" NPT	43	24,5	32	15,3	24	30	WE-S-16-3/8" NPT
S	400	16	1/2" NPT	43	24,5	36	20,0	24	30	WE-S-16-1/2" NPT
S	400	16	3/4" NPT	43	24,5	41	20,0	24	30	WE-S-16-3/4" NPT
S	400	20	1/2" NPT	48	26,5	42	20,0	27	36	WE-S-20-1/2" NPT
S	400	20	3/4" NPT	48	26,5	42	20,0	27	36	WE-S-20-3/4" NPT
S	400	25	1" NPT	54	30,0	48	25,0	36	46	WE-S-25-1" NPT
S	400	30	1 1/4" NPT	62	35,5	54	25,5	41	50	WE-S-30-1 1/4" NPT
S	315	38	1 1/2" NPT	72	41,0	61	26,0	50	60	WE-S-38-1 1/2" NPT

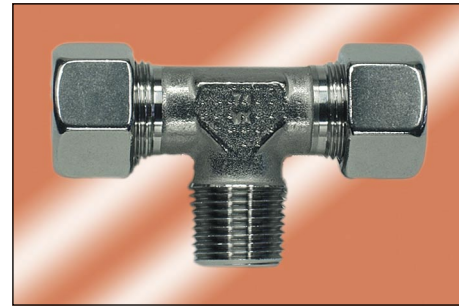
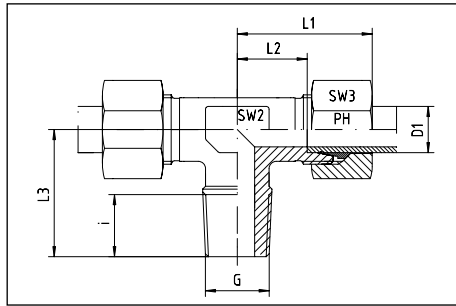
T-Einschraubverschraubungen

LL-, L- und S-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

LL-, L- and S-series

Thread: BSP - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	R 1/8" keg	21	11,0	17	8	9	10	TE-LL-04-R 1/8" k
LL	100	6	R 1/8" keg	21	9,5	17	8	9	12	TE-LL-06-R 1/8" k
LL	100	8	R 1/8" keg	23	11,5	20	8	12	14	TE-LL-08-R 1/8" k
L	315	6	R 1/8" keg	27	12,0	20	8	12	14	TE-L-06-R 1/8" k
L	315	6	R 1/4" keg	29	14,0	26	12	12	14	TE-L-06-R 1/4" k
L	315	8	R 1/4" keg	29	14,0	26	12	12	17	TE-L-08-R 1/4" k
L	315	8	R 3/8" keg	30	15,0	28	12	14	17	TE-L-08-R 3/8" k
L	315	10	R 1/8" keg				8	14	19	TE-L-10-R 1/8" k
L	315	10	R 1/4" keg	30	15,0	27	12	14	19	TE-L-10-R 1/4" k
L	315	10	R 3/8" keg	30	15,0	27	12	17	19	TE-L-10-R 3/8" k
L	315	10	R 1/2" keg	37	21,0	33	14	17	19	TE-L-10-R 1/2" k
L	315	12	R 1/4" keg	32	17,0	28	12	17	22	TE-L-12-R 1/4" k
L	315	12	R 3/8" keg	32	17,0	28	12	17	22	TE-L-12-R 3/8" k
L	315	12	R 1/2" keg	38	20,5	34	14	17	22	TE-L-12-R 1/2" k
L	315	15	R 3/8" keg	36	21,0	34	12	19	27	TE-L-15-R 3/8" k
L	315	15	R 1/2" keg	36	21,0	34	14	19	27	TE-L-15-R 1/2" k
L	315	18	R 1/2" keg	40	23,5	36	14	24	32	TE-L-18-R 1/2" k
S	400	6	R 1/4" keg	31	16,0	26	12	12	17	TE-S-06-R 1/4" k
S	400	8	R 1/4" keg	32	17,0	27	12	14	19	TE-S-08-R 1/4" k
S	400	10	R 3/8" keg	34	17,5	28	12	17	22	TE-S-10-R 3/8" k
S	400	12	R 3/8" keg	38	21,5	28	12	17	24	TE-S-12-R 3/8" k
S	400	12	R 1/2" keg	38	21,5	34	14	19	24	TE-S-12-R 1/2" k
S	400	14	R 1/2" keg	40	22,0	32	14	19	27	TE-S-14-R 1/2" k
S	400	16	R 1/2" keg	43	24,5	32	14	24	30	TE-S-16-R 1/2" k

T-Einschraubverschraubungen

L- und S-Reihe

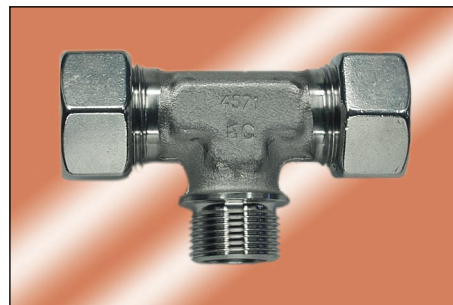
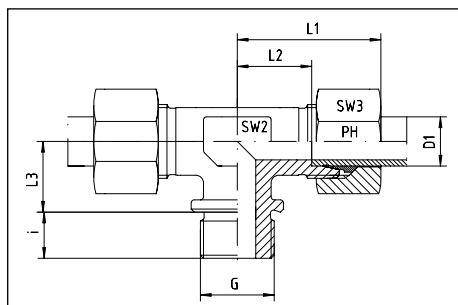
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: BSP - parallel

Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	G 3/4" zyl	44	27,5	26	16	27	36	TE-L-22-R 3/4" z
L	160	28	G 1" zyl	47	30,5	30	18	36	41	TE-L-28-R 1" z
L	160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	TE-L-35-R 1 1/4" z
L	160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	TE-L-42-R 1 1/2" z
S	400	20	G 3/4" zyl	48	26,5	26	16	27	36	TE-S-20-R 3/4" z
S	250	25	G 1" zyl	54	30,0	30	18	36	46	TE-S-25-R 1" z
S	160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	TE-S-30-R 1 1/4" z
S	160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	TE-S-38-R 1 1/2" z

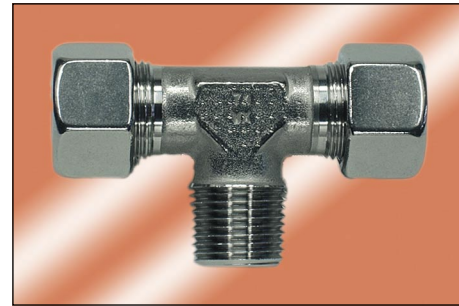
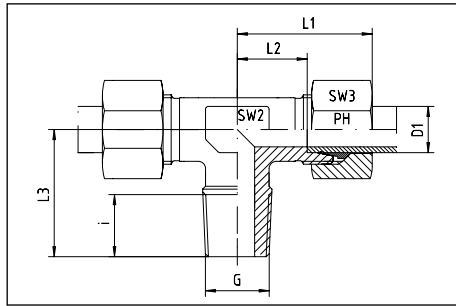
T-Einschraubverschraubungen

LL-, L- und S-Reihe

Einschraubgewinde: metrisches Feingewinde - kegelig

LL-, L- and S-series

Thread: metric - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	M 6 x 1 keg	21	11,0	17	8	9	10	TE-LL-04-M 6x1 k
LL	100	4	M 8 x 1 keg	21	11,0	17	8	9	10	TE-LL-04-M 8x1 k
LL	100	6	M 6 x 1 keg	21	9,5	17	8	9	12	TE-LL-06-M 6x1 k
LL	100	6	M 8 x 1 keg	21	9,5	17	8	9	12	TE-LL-06-M 8x1 k
LL	100	6	M 10 x 1 keg	21	9,5	17	8	9	12	TE-LL-06-M 10x1 k
LL	100	8	M 8 x 1 keg	23	11,5	20	8	12	14	TE-LL-08-M 8x1 k
LL	100	8	M 10 x 1 keg	23	11,5	20	8	12	14	TE-LL-08-M 10x1 k
L	315	6	M 10 x 1 keg	27	12,0	20	8	12	14	TE-L-06-M 10x1 k
L	315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	TE-L-08-M 12x1,5 k
L	315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	TE-L-10-M 14x1,5 k
L	315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	TE-L-12-M 16x1,5 k
L	315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	TE-L-15-M 18x1,5 k
L	315	18	M 22 x 1,5 keg	40	23,5	36	14	24	32	TE-L-18-M 22x1,5 k
S	400	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	TE-S-06-M 12x1,5 k
S	400	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	TE-S-08-M 14x1,5 k
S	400	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	TE-S-10-M 16x1,5 k
S	400	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	TE-S-12-M 18x1,5 k
S	400	14	M 20 x 1,5 keg	40	22,0	32	14	17	27	TE-S-14-M 20x1,5 k
S	400	16	M 22 x 1,5 keg	43	24,5	32	14	19	30	TE-S-16-M 22x1,5 k

T-Einschraubverschraubungen

L- und S-Reihe

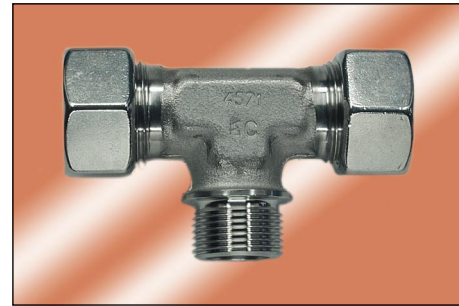
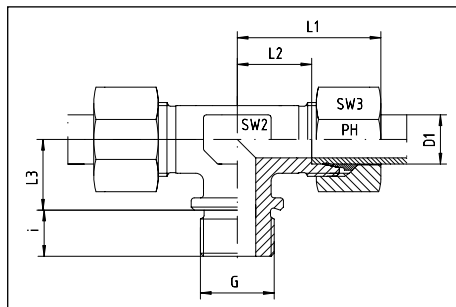
Einschraubgewinde: metrisches Feingewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: metric - parallel

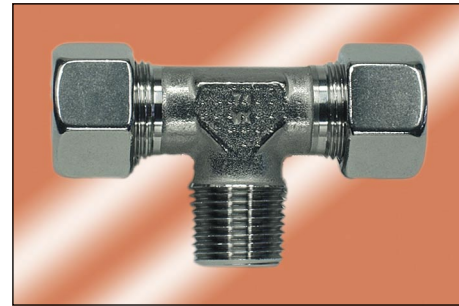
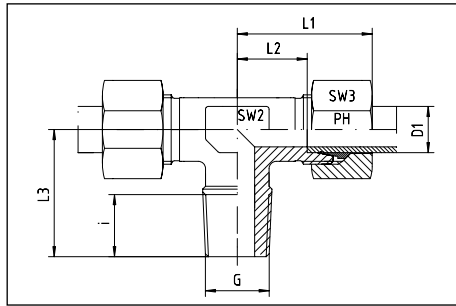
Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	TE-L-22-M 26x1,5 z
L	160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	TE-L-28-M 33x2 z
L	160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	TE-L-35-M 42x2 z
L	160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	TE-L-42-M 48x2 z
S	400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	TE-S-20-M 27x2 z
S	250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	TE-S-25-M 33x2 z
S	160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	TE-S-30-M 42x2 z
S	160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	TE-S-38-M 48x2 z

T-Einschraubverschraubungen
 LL-, L- und S-Reihe
 Einschraubgewinde: NPT

LL-, L- and S-series
 Thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	1/8" NPT	21	11,0	17,0	10,0	9	10	TE-LL-04-1/8" NPT
LL	100	6	1/8" NPT	21	9,5	17,0	10,0	9	12	TE-LL-06-1/8" NPT
LL	100	8	1/8" NPT	23	11,5	20,0	10,0	12	14	TE-LL-08-1/8" NPT
L	315	6	1/8" NPT	27	12,0	20,0	10,0	12	14	TE-L-06-1/8" NPT
L	315	6	1/4" NPT	27	12,0	25,0	15,0	12	14	TE-L-06-1/4" NPT
L	315	8	1/4" NPT	29	14,0	26,0	15,0	12	17	TE-L-08-1/4" NPT
L	315	10	1/4" NPT	30	15,0	27,0	15,0	14	19	TE-L-10-1/4" NPT
L	315	10	3/8" NPT	30	15,0	27,5	15,3	14	19	TE-L-10-3/8" NPT
L	315	10	1/2" NPT	37	21,0	33,0	20,0	17	19	TE-L-10-1/2" NPT
L	315	12	1/4" NPT	32	17,0	28,0	15,0	17	22	TE-L-12-1/4" NPT
L	315	12	3/8" NPT	32	17,0	28,0	15,3	17	22	TE-L-12-3/8" NPT
L	315	12	1/2" NPT	36	21,0	34,0	20,0	17	22	TE-L-12-1/2" NPT
L	315	15	3/8" NPT	36	21,0	34,0	15,3	19	27	TE-L-15-3/8" NPT
L	315	15	1/2" NPT	36	21,0	34,0	20,0	19	27	TE-L-15-1/2" NPT
L	315	18	1/2" NPT	40	23,5	36,0	20,0	24	32	TE-L-18-1/2" NPT
L	160	22	3/4" NPT	44	27,5	42,0	20,0	27	36	TE-L-22-3/4" NPT
L	160	28	1" NPT	47	30,5	48,0	25,0	36	41	TE-L-28-1" NPT
L	160	35	1 1/4" NPT	56	34,5	54,0	25,5	41	50	TE-L-35-1 1/4" NPT
L	160	42	1 1/2" NPT	63	40,0	61,0	26,0	50	60	TE-L-42-1 1/2" NPT
S	630	6	1/4" NPT	31	16,0	26,0	15,0	12	17	TE-S-06-1/4" NPT
S	630	8	1/4" NPT	32	17,0	27,0	15,0	14	19	TE-S-08-1/4" NPT
S	630	10	1/4" NPT	34	17,5	28,0	15,0	17	22	TE-S-10-1/4" NPT
S	630	10	3/8" NPT	34	17,5	28,0	15,3	17	22	TE-S-10-3/8" NPT
S	630	10	1/2" NPT				20,0	17	22	TE-S-10-1/2" NPT
S	630	12	1/4" NPT	38	21,5	29,0	15,0	17	24	TE-S-12-1/4" NPT
S	630	12	3/8" NPT	38	21,5	28,0	15,3	17	24	TE-S-12-3/8" NPT
S	630	12	1/2" NPT	39	21,5	34,0	20,0	19	24	TE-S-12-1/2" NPT
S	630	14	1/2" NPT	40	22,0	34,0	20,0	19	27	TE-S-14-1/2" NPT
S	400	16	1/2" NPT	43	24,5	36,0	20,0	24	30	TE-S-16-1/2" NPT
S	400	20	3/4" NPT	48	26,5	42,0	20,0	27	36	TE-S-20-3/4" NPT
S	400	25	1" NPT	54	30,0	48,0	25,0	36	46	TE-S-25-1" NPT
S	400	30	1 1/4" NPT	62	35,5	54,0	25,5	41	50	TE-S-30-1 1/4" NPT
S	315	38	1 1/2" NPT	72	41,0	61,0	26,0	50	60	TE-S-38-1 1/2" NPT

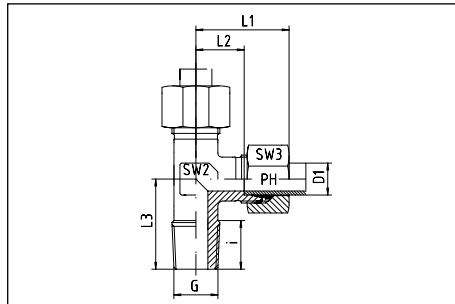
L-Einschraubverschraubungen

LL-, L- und S-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - kegelig

LL-, L- and S-series

Thread: BSP - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	R 1/8" keg	21	11,0	17	8	9	10	LE-LL-04-R 1/8" k
LL	100	6	R 1/8" keg	21	9,5	17	8	9	12	LE-LL-06-R 1/8" k
LL	100	8	R 1/8" keg	23	11,5	20	8	12	14	LE-LL-08-R 1/8" k
L	315	6	R 1/8" keg	27	12,0	20	8	12	14	LE-L-06-R 1/8" k
L	315	6	R 1/4" keg	27	12,0	26	12	12	14	LE-L-06-R 1/4" k
L	315	8	R 1/4" keg	29	14,0	26	12	12	17	LE-L-08-R 1/4" k
L	315	8	R 3/8" keg	32	17,0	28	12	14	17	LE-L-08-R 3/8" k
L	315	10	R 1/8" keg				8	14	19	LE-L-10-R 1/8" k
L	315	10	R 1/4" keg	30	15,0	27	12	14	19	LE-L-10-R 1/4" k
L	315	10	R 3/8" keg	30	15,0	28	12	17	19	LE-L-10-R 3/8" k
L	315	10	R 1/2" keg				14	17	19	LE-L-10-R 1/2" k
L	315	12	R 1/4" keg	32	17,5	27	12	17	22	LE-L-12-R 1/4" k
L	315	12	R 3/8" keg	32	17,5	28	12	17	22	LE-L-12-R 3/8" k
L	315	12	R 1/2" keg				14	17	22	LE-L-12-R 1/2" k
L	315	15	R 3/8" keg				12	19	27	LE-L-15-R 3/8" k
L	315	15	R 1/2" keg	36	21,0	34	14	19	27	LE-L-15-R 1/2" k
L	315	18	R 1/2" keg	40	23,5	36	14	24	32	LE-L-18-R 1/2" k
S	400	6	R 1/4" keg	31	16,5	26	12	12	17	LE-S-06-R 1/4" k
S	400	8	R 1/4" keg	32	17,0	27	12	14	19	LE-S-08-R 1/4" k
S	400	10	R 3/8" keg	34	17,5	28	12	17	22	LE-S-10-R 3/8" k
S	400	12	R 3/8" keg	38	21,5	28	12	17	24	LE-S-12-R 3/8" k
S	400	12	R 1/2" keg	38	21,5	33	14	19	24	LE-S-12-R 1/2" k
S	400	14	R 1/2" keg	40	22,0	32	14	19	27	LE-S-14-R 1/2" k
S	400	16	R 1/2" keg	43	24,5	32	14	24	30	LE-S-16-R 1/2" k

L-Einschraubverschraubungen

L- und S-Reihe

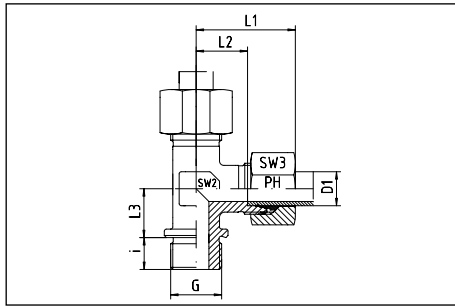
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: BSP - parallel

Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	G 3/4" zyl	44	27,5	26	16	27	36	LE-L-22-R 3/4" z
L	160	28	G 1" zyl	47	30,5	30	18	36	41	LE-L-28-R 1" z
L	160	35	G 1 1/4" zyl	56	34,5	34	20	41	50	LE-L-35-R 1 1/4" z
L	160	42	G 1 1/2" zyl	63	40,0	39	22	50	60	LE-L-42-R 1 1/2" z
S	400	20	G 3/4" zyl	48	26,5	26	16	27	36	LE-S-20-R 3/4" z
S	250	25	G 1" zyl	54	30,0	30	18	36	46	LE-S-25-R 1" z
S	160	30	G 1 1/4" zyl	62	35,5	34	20	41	50	LE-S-30-R 1 1/4" z
S	160	38	G 1 1/2" zyl	72	41,0	39	22	50	60	LE-S-38-R 1 1/2" z

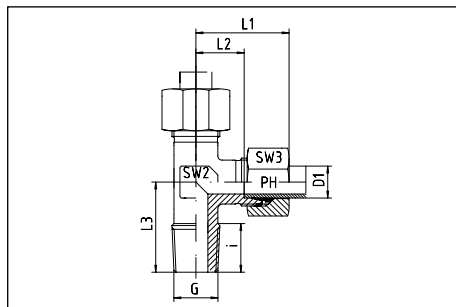
L-Einschraubverschraubungen

LL-, L- und S-Reihe

Einschraubgewinde: metrisches Feingewinde - kegelig

LL-, L- and S-series

Thread: metric - taper



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	100	4	M 6 x 1 keg	21	11,0	17	8	9	10	LE-LL-04-M 6x1 k
LL	100	4	M 8 x 1 keg	21	11,0	17	8	9	10	LE-LL-04-M 8x1 k
LL	100	6	M 6 x 1 keg				8	9	12	LE-LL-06-M 6x1 k
LL	100	6	M 8 x 1 keg				8	9	12	LE-LL-06-M 8x1 k
LL	100	6	M 10 x 1 keg	21	9,5	17	8	9	12	LE-LL-06-M 10x1 k
LL	100	8	M 8 x 1 keg				8	12	14	LE-LL-08-M 8x1 k
LL	100	8	M 10 x 1 keg	23	11,5	20	8	12	14	LE-LL-08-M 10x1 k
L	315	6	M 10 x 1 keg	27	12,0	20	8	12	14	LE-L-06-M 10x1 k
L	315	8	M 12 x 1,5 keg	29	14,0	26	12	12	17	LE-L-08-M 12x1,5 k
L	315	10	M 14 x 1,5 keg	30	15,0	27	12	14	19	LE-L-10-M 14x1,5 k
L	315	12	M 16 x 1,5 keg	32	17,0	28	12	17	22	LE-L-12-M 16x1,5 k
L	315	15	M 18 x 1,5 keg	36	21,0	32	12	19	27	LE-L-15-M 18x1,5 k
L	315	18	M 22 x 1,5 keg	40	23,0	36	14	24	32	LE-L-18-M 22x1,5 k
S	400	6	M 12 x 1,5 keg	31	16,0	26	12	12	17	LE-S-06-M 12x1,5 k
S	400	8	M 14 x 1,5 keg	32	17,0	27	12	14	19	LE-S-08-M 14x1,5 k
S	400	10	M 16 x 1,5 keg	34	17,5	28	12	17	22	LE-S-10-M 16x1,5 k
S	400	12	M 18 x 1,5 keg	38	21,5	28	12	17	24	LE-S-12-M 18x1,5 k
S	400	14	M 20 x 1,5 keg	40	22,0	32	14	19	27	LE-S-14-M 20x1,5 k
S	400	16	M 22 x 1,5 keg	43	24,5	32	14	24	30	LE-S-16-M 22x1,5 k

L-Einschraubverschraubungen

L- und S-Reihe

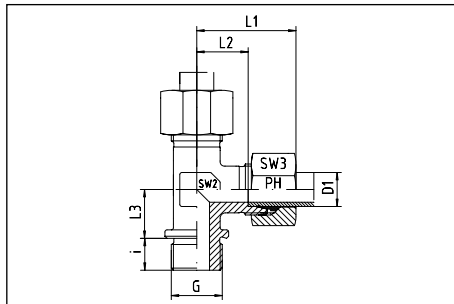
Einschraubgewinde: metrisches Feingewinde - zylindrisch

Abdichtung durch Dichtkante Form B

L- and S-series

Thread: metric - parallel

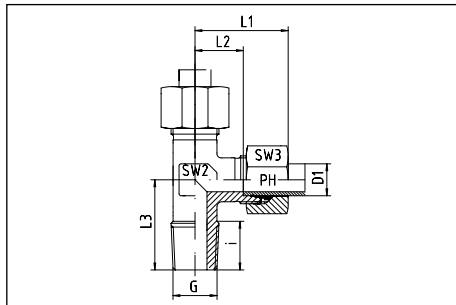
Sealing by sealing shoulder form B



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
L	160	22	M 26 x 1,5 zyl	44	27,5	26	16	27	36	LE-L-22-M 26x1,5 z
L	160	28	M 33 x 2 zyl	47	30,5	30	18	36	41	LE-L-28-M 33x2 z
L	160	35	M 42 x 2 zyl	56	34,5	34	20	41	50	LE-L-35-M 42x2 z
L	160	42	M 48 x 2 zyl	63	40,0	39	22	50	60	LE-L-42-M 48x2 z
S	400	20	M 27 x 2 zyl	48	26,5	26	16	27	36	LE-S-20-M 27x2 z
S	250	25	M 33 x 2 zyl	54	30,0	30	18	36	46	LE-S-25-M 33x2 z
S	160	30	M 42 x 2 zyl	62	35,5	34	20	41	50	LE-S-30-M 42x2 z
S	160	38	M 48 x 2 zyl	72	41,0	39	22	50	60	LE-S-38-M 48x2 z

L-Einschraubverschraubungen
 LL-, L- und S-Reihe
 Einschraubgewinde: NPT

LL-, L- and S-series
 Thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	L3	i	SW2	SW3	
LL	315	4	1/8" NPT	21	11,0	17	10,0	9	10	LE-LL-04-1/8" NPT
LL	315	6	1/8" NPT	21	9,5	17	10,0	9	14	LE-LL-06-1/8" NPT
LL	315	8	1/8" NPT	23	11,5	20	10,0	12	17	LE-LL-08-1/8" NPT
L	315	6	1/8" NPT	27	12,0	20	10,0	12	14	LE-L-06-1/8" NPT
L	315	6	1/4" NPT	29	14,0	26	15,0	12	14	LE-L-06-1/4" NPT
L	315	8	1/4" NPT	29	14,0	26	15,0	12	17	LE-L-08-1/4" NPT
L	315	10	1/4" NPT	30	15,0	27	15,0	14	19	LE-L-10-1/4" NPT
L	315	10	3/8" NPT				15,3	17	19	LE-L-10-3/8" NPT
L	315	10	1/2" NPT				20,0	17	19	LE-L-10-1/2" NPT
L	315	12	1/4" NPT				15,0	17	22	LE-L-12-1/4" NPT
L	315	12	3/8" NPT	32	17,0	28	15,3	17	22	LE-L-12-3/8" NPT
L	315	12	1/2" NPT				20,0	17	22	LE-L-12-1/2" NPT
L	315	15	3/8" NPT				15,3	19	27	LE-L-15-3/8" NPT
L	315	15	1/2" NPT	36	21,0	34	20,0	19	27	LE-L-15-1/2" NPT
L	315	18	1/2" NPT	40	23,5	36	20,0	24	32	LE-L-18-1/2" NPT
L	160	22	3/4" NPT	44	27,5	42	20,0	27	36	LE-L-22-3/4" NPT
L	160	28	1" NPT	47	30,5	48	25,0	36	41	LE-L-28-1" NPT
L	160	35	1 1/4" NPT	56	34,5	54	25,5	41	50	LE-L-35-1 1/4" NPT
L	160	42	1 1/2" NPT	63	40,0	61	26,0	50	60	LE-L-42-1 1/2" NPT
S	630	6	1/4" NPT	31	16,0	26	15,0	12	17	LE-S-06-1/4" NPT
S	630	8	1/4" NPT	32	17,0	27	15,0	14	19	LE-S-08-1/4" NPT
S	630	10	1/4" NPT				15,0	17	22	LE-S-10-1/4" NPT
S	630	10	3/8" NPT	34	17,5	28	15,3	17	22	LE-S-10-3/8" NPT
S	630	10	1/2" NPT				20,0	17	22	LE-S-10-1/2" NPT
S	630	12	1/4" NPT				15,0	17	24	LE-S-12-1/4" NPT
S	630	12	3/8" NPT	38	21,5	28	15,3	17	24	LE-S-12-3/8" NPT
S	630	12	1/2" NPT	38	21,5	33	20,0	19	24	LE-S-12-1/2" NPT
S	630	14	1/2" NPT	40	22,0	34	20,0	19	27	LE-S-14-1/2" NPT
S	400	16	1/2" NPT	43	24,5	36	20,0	24	30	LE-S-16-1/2" NPT
S	400	20	3/4" NPT	48	26,5	42	20,0	27	36	LE-S-20-3/4" NPT
S	400	25	1" NPT	54	30,0	48	25,0	36	46	LE-S-25-1" NPT
S	400	30	1 1/4" NPT	62	35,5	54	25,5	41	50	LE-S-30-1 1/4" NPT
S	315	38	1 1/2" NPT	72	41,0	61	26,0	50	60	LE-S-38-1 1/2" NPT

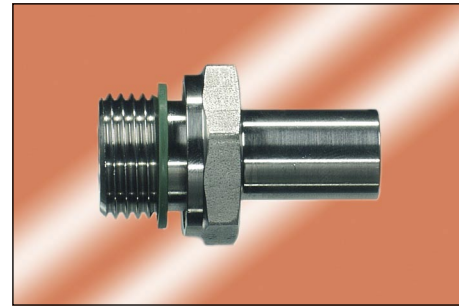
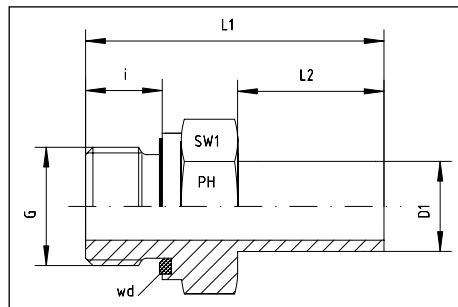
GERADE AUFSTECKSTUTZEN



STUD STANDPIPE CONNECTORS

ohne Vormontage - ov
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

not pre-assembled - ov
 Thread: BSP - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				L1	L2	i	SW1	
L	315	6	G 1/8"	31,5	19,0	8	14	EVGE-L-06-G 1/8"ov-wd
L	315	6	G 1/4"	39,5	20,5	12	19	EVGE-L-06-G 1/4"ov-wd
L	315	8	G 1/4"	41,0	19,0	12	19	EVGE-L-08-G 1/4"ov-wd
L	315	10	G 1/4"	39,5	20,5	12	19	EVGE-L-10-G 1/4"ov-wd
L	315	10	G 3/8"	44,0	21,0	12	22	EVGE-L-10-G 3/8"ov-wd
L	315	10	G 1/2"			14	27	EVGE-L-10-G 1/2"ov-wd
L	315	12	G 1/4"	42,0	21,5	12	19	EVGE-L-12-G 1/4"ov-wd
L	315	12	G 3/8"	45,0	22,0	12	22	EVGE-L-12-G 3/8"ov-wd
L	315	12	G 1/2"	48,5	22,5	14	27	EVGE-L-12-G 1/2"ov-wd
L	315	15	G 3/8"	45,5	22,5	12	22	EVGE-L-15-G 3/8"ov-wd
L	315	15	G 1/2"	46,0	23,0	14	27	EVGE-L-15-G 1/2"ov-wd
L	315	18	G 3/8"	44,0	23,5	12	22	EVGE-L-18-G 3/8"ov-wd
L	315	18	G 1/2"	46,0	23,0	14	27	EVGE-L-18-G 1/2"ov-wd
L	315	18	G 3/4"			16	32	EVGE-L-18-G 3/4"ov-wd
L	160	22	G 3/8"	46,0	24,5	12	24	EVGE-L-22-G 3/8"ov-wd
L	160	22	G 1/2"	50,5	24,5	14	27	EVGE-L-22-G 1/2"ov-wd
L	160	22	G 3/4"	48,5	22,5	16	32	EVGE-L-22-G 3/4"ov-wd
L	160	22	G 1"			18	41	EVGE-L-22-G 1"ov-wd
L	160	28	G 3/4"	51,0	24,0	16	32	EVGE-L-28-G 3/4"ov-wd
L	160	28	G 1"	53,0	24,0	18	41	EVGE-L-28-G 1"ov-wd
L	160	35	G 1 1/4"	62,5	31,0	20	50	EVGE-L-35-G 1 1/4"ov-wd
L	160	42	G 1 1/2"	70,0	32,0	22	55	EVGE-L-42-G 1 1/2"ov-wd
S	630	6	G 1/8"	31,5	19,0	8	14	EVGE-S-06-G 1/8"ov-wd
S	630	6	G 1/4"	39,5	20,5	12	19	EVGE-S-06-G 1/4"ov-wd
S	630	8	G 1/4"	41,0	19,0	12	19	EVGE-S-08-G 1/4"ov-wd
S	630	10	G 1/4"	39,5	20,5	12	19	EVGE-S-10-G 1/4"ov-wd
S	630	10	G 3/8"	44,0	21,0	12	22	EVGE-S-10-G 3/8"ov-wd
S	630	10	G 1/2"			14	27	EVGE-S-10-G 1/2"ov-wd
S	630	12	G 1/4"	42,0	21,5	12	19	EVGE-S-12-G 1/4"ov-wd
S	630	12	G 3/8"	45,0	22,0	12	22	EVGE-S-12-G 3/8"ov-wd
S	630	12	G 1/2"	48,5	22,5	14	27	EVGE-S-12-G 1/2"ov-wd
S	630	14	G 1/2"	51,0	24,5	14	27	EVGE-S-14-G 1/2"ov-wd
S	400	16	G 3/8"	48,5	26,0	12	22	EVGE-S-16-G 3/8"ov-wd
S	400	16	G 1/2"	51,0	24,0	14	27	EVGE-S-16-G 1/2"ov-wd
S	400	16	G 3/4"	64,5	23,5	16	32	EVGE-S-16-G 3/4"ov-wd
S	400	20	G 1/2"	56,5	29,5	14	27	EVGE-S-20-G 1/2"ov-wd
S	400	20	G 3/4"	59,0	28,0	16	32	EVGE-S-20-G 3/4"ov-wd
S	400	25	G 3/4"			16	32	EVGE-S-25-G 3/4"ov-wd
S	400	25	G 1"	66,0	31,0	18	41	EVGE-S-25-G 1"ov-wd
S	400	30	G 1 1/4"	71,0	34,0	20	50	EVGE-S-30-G 1 1/4"ov-wd
S	315	38	G 1 1/2"	83,5	40,0	22	55	EVGE-S-38-G 1 1/2"ov-wd

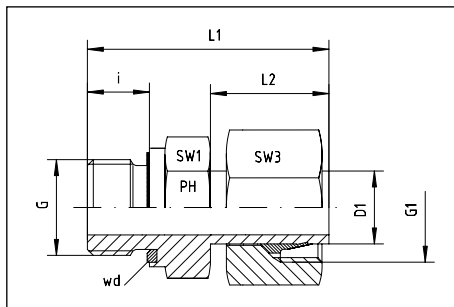
vormontiert

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
wd = Abdichtung durch Profildichtung - Viton

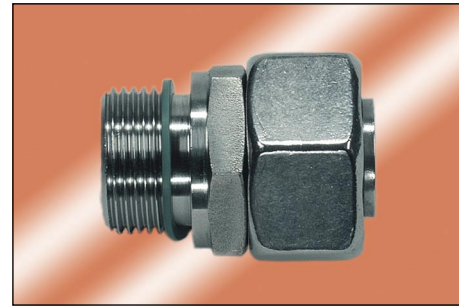
pre-assembled

Thread: BSP - parallel

wd = Sealing by an elastomer profiled ring - Viton



Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich fühlbaren Kraftanstieges.

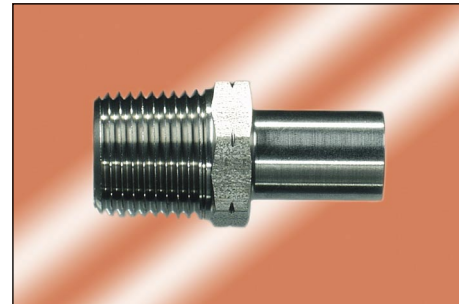
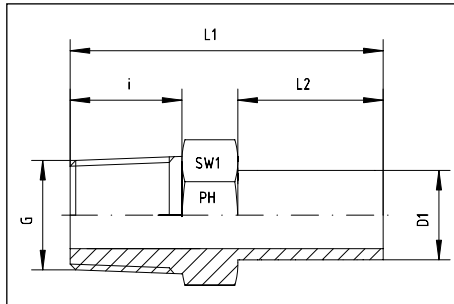


Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	G 1/8"	31,5	19,0	8	14	14	EVGE-L-06-G 1/8"-wd
L	315	6	G 1/4"	39,5	20,5	12	19	14	EVGE-L-06-G 1/4"-wd
L	315	8	G 1/4"	41,0	19,0	12	19	17	EVGE-L-08-G 1/4"-wd
L	315	10	G 1/4"	39,5	20,5	12	19	19	EVGE-L-10-G 1/4"-wd
L	315	10	G 3/8"	44,0	21,0	12	22	19	EVGE-L-10-G 3/8"-wd
L	315	10	G 1/2"			14	27	19	EVGE-L-10-G 1/2"-wd
L	315	12	G 1/4"	42,0	21,5	12	19	22	EVGE-L-12-G 1/4"-wd
L	315	12	G 3/8"	45,0	22,0	12	22	22	EVGE-L-12-G 3/8"-wd
L	315	12	G 1/2"	48,5	22,5	14	27	22	EVGE-L-12-G 1/2"-wd
L	315	15	G 3/8"	45,5	22,5	12	22	27	EVGE-L-15-G 3/8"-wd
L	315	15	G 1/2"	46,0	23,0	14	27	27	EVGE-L-15-G 1/2"-wd
L	315	18	G 3/8"	44,0	23,5	12	22	32	EVGE-L-18-G 3/8"-wd
L	315	18	G 1/2"	46,0	23,0	14	27	32	EVGE-L-18-G 1/2"-wd
L	315	18	G 3/4"			16	32	32	EVGE-L-18-G 3/4"-wd
L	160	22	G 3/8"	46,0	24,5	12	24	36	EVGE-L-22-G 3/8"-wd
L	160	22	G 1/2"	50,5	24,5	14	27	36	EVGE-L-22-G 1/2"-wd
L	160	22	G 3/4"	48,5	22,5	16	32	36	EVGE-L-22-G 3/4"-wd
L	160	22	G 1"			18	41	36	EVGE-L-22-G 1"-wd
L	160	28	G 3/4"	51,0	24,0	16	32	41	EVGE-L-28-G 3/4"-wd
L	160	28	G 1"	53,0	24,0	18	41	41	EVGE-L-28-G 1"-wd
L	160	35	G 1 1/4"	62,5	31,0	20	50	50	EVGE-L-35-G 1 1/4"-wd
L	160	42	G 1 1/2"	70,0	32,0	22	55	60	EVGE-L-42-G 1 1/2"-wd
S	630	6	G 1/8"	31,5	19,0	8	14	17	EVGE-S-06-G 1/8"-wd
S	630	6	G 1/4"	39,5	20,5	12	19	17	EVGE-S-06-G 1/4"-wd
S	630	8	G 1/4"	41,0	19,0	12	19	19	EVGE-S-08-G 1/4"-wd
S	630	10	G 1/4"	39,5	20,5	12	19	22	EVGE-S-10-G 1/4"-wd
S	630	10	G 3/8"	44,0	21,0	12	22	22	EVGE-S-10-G 3/8"-wd
S	630	10	G 1/2"			14	27	22	EVGE-S-10-G 1/2"-wd
S	630	12	G 1/4"	42,0	21,5	12	19	24	EVGE-S-12-G 1/4"-wd
S	630	12	G 3/8"	45,0	22,0	12	22	24	EVGE-S-12-G 3/8"-wd
S	630	12	G 1/2"	48,5	22,5	14	27	24	EVGE-S-12-G 1/2"-wd
S	630	14	G 1/2"	51,0	24,5	14	27	27	EVGE-S-14-G 1/2"-wd
S	400	16	G 3/8"	48,5	26,0	12	22	30	EVGE-S-16-G 3/8"-wd
S	400	16	G 1/2"	51,0	24,0	14	27	30	EVGE-S-16-G 1/2"-wd
S	400	16	G 3/4"	64,5	23,5	16	32	30	EVGE-S-16-G 3/4"-wd
S	400	20	G 1/2"	56,5	29,5	14	27	36	EVGE-S-20-G 1/2"-wd
S	400	20	G 3/4"	59,0	28,0	16	32	36	EVGE-S-20-G 3/4"-wd
S	400	25	G 3/4"			16	32	46	EVGE-S-25-G 3/4"-wd
S	400	25	G 1"	66,0	31,0	18	41	46	EVGE-S-25-G 1"-wd
S	400	30	G 1 1/4"	71,0	34,0	20	50	50	EVGE-S-30-G 1 1/4"-wd
S	315	38	G 1 1/2"	83,5	40,0	22	55	60	EVGE-S-38-G 1 1/2"-wd

ohne Vormontage - ov
Einschraubgewinde: NPT

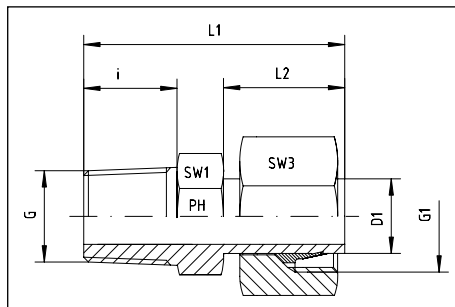
not pre-assembled - ov
Thread: NPT



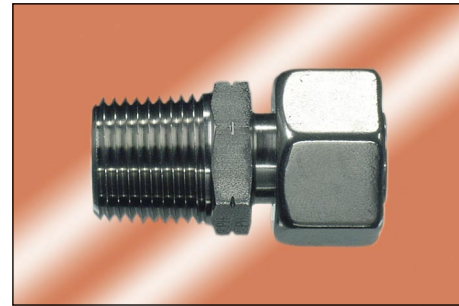
Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				L1	L2	i	SW1	
L	315	6	1/8" NPT	32,0	19,0	10,0	12	EVGE-L-06-1/8"-ov NPT
L	315	6	1/4" NPT	40,0	19,0	15,0	14	EVGE-L-06-1/4"-ov NPT
L	315	8	1/4" NPT	40,5	20,0	15,0	14	EVGE-L-08-1/4"-ov NPT
L	315	10	1/4" NPT	39,5	19,0	15,0	14	EVGE-L-10-1/4"-ov NPT
L	315	12	1/4" NPT	42,0	22,0	15,0	14	EVGE-L-12-1/4"-ov NPT
L	315	12	3/8" NPT	43,0	22,0	15,3	19	EVGE-L-12-3/8"-ov NPT
L	315	12	1/2" NPT	50,0	22,0	20,0	22	EVGE-L-12-1/2"-ov NPT
L	315	15	3/8" NPT			15,3	19	EVGE-L-15-3/8"-ov NPT
L	315	15	1/2" NPT	48,0	22,0	20,0	22	EVGE-L-15-1/2"-ov NPT
L	160	18	1/2" NPT	47,5	21,5	20,0	22	EVGE-L-18-1/2"-ov NPT
L	160	22	3/4" NPT	50,0	22,5	20,0	27	EVGE-L-22-3/4"-ov NPT
L	160	28	1" NPT	57,5	24,0	25,0	36	EVGE-L-28-1"-ov NPT
L	160	35	1 1/4" NPT	63,0	28,5	25,5	46	EVGE-L-35-1 1/4"-ov NPT
L	160	42	1 1/2" NPT	66,0	29,0	26,0	50	EVGE-L-42-1 1/2"-ov NPT
S	630	6	1/4" NPT	40,0	19,0	15,0	14	EVGE-S-06-1/4"-ov NPT
S	630	8	1/4" NPT	40,5	20,0	15,0	14	EVGE-S-08-1/4"-ov NPT
S	630	10	1/4" NPT	39,5	19,0	15,0	14	EVGE-S-10-1/4"-ov NPT
S	630	10	3/8" NPT	44,0	21,0	15,3	19	EVGE-S-10-3/8"-ov NPT
S	630	12	1/4" NPT	42,0	22,0	15,0	14	EVGE-S-12-1/4"-ov NPT
S	630	12	3/8" NPT	43,0	22,0	15,3	19	EVGE-S-12-3/8"-ov NPT
S	630	12	1/2" NPT	50,0	22,0	20,0	22	EVGE-S-12-1/2"-ov NPT
S	630	14	1/2" NPT	48,0	23,5	20,0	22	EVGE-S-14-1/2"-ov NPT
S	400	16	1/2" NPT	54,0	24,0	20,0	22	EVGE-S-16-1/2"-ov NPT
S	400	20	3/4" NPT	58,0	28,0	20,0	27	EVGE-S-20-3/4"-ov NPT
S	400	25	1" NPT	68,0	29,0	25,0	36	EVGE-S-25-1"-ov NPT
S	400	30	1 1/4" NPT	73,0	33,0	25,5	46	EVGE-S-30-1 1/4"-ov NPT
S	315	38	1 1/2" NPT	81,0	38,0	26,0	50	EVGE-S-38-1 1/2"-ov NPT

vormontiert
Einschraubgewinde: NPT

pre-assembled
Thread: NPT



Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich fühlbaren Kraftanstieges.



Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		L1	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	G1		L2	i	SW1	SW3	
L	315	6	1/8" NPT	M 12 x 1,5	32,0	19,0	10,0	12	14	EVGE-L-06-1/8" NPT
L	315	6	1/4" NPT	M 12 x 1,5	40,0	19,0	15,0	14	14	EVGE-L-06-1/4" NPT
L	315	8	1/4" NPT	M 14 x 1,5	40,5	20,0	15,0	14	17	EVGE-L-08-1/4" NPT
L	315	10	1/4" NPT	M 16 x 1,5	39,5	19,0	15,0	14	19	EVGE-L-10-1/4" NPT
L	315	12	1/4" NPT	M 18 x 1,5	42,0	22,0	15,0	14	22	EVGE-L-12-1/4" NPT
L	315	12	3/8" NPT	M 18 x 1,5	43,0	22,0	15,3	19	22	EVGE-L-12-3/8" NPT
L	315	12	1/2" NPT	M 18 x 1,5	50,0	22,0	20,0	22	22	EVGE-L-12-1/2" NPT
L	315	15	3/8" NPT	M 22 x 1,5			15,3	19	27	EVGE-L-15-3/8" NPT
L	315	15	1/2" NPT	M 22 x 1,5	48,0	22,0	20,0	22	27	EVGE-L-15-1/2" NPT
L	160	18	1/2" NPT	M 26 x 1,5	47,5	21,5	20,0	22	32	EVGE-L-18-1/2" NPT
L	160	22	3/4" NPT	M 30 x 2	50,0	22,5	20,0	27	36	EVGE-L-22-3/4" NPT
L	160	28	1" NPT	M 36 x 2	57,5	24,0	25,0	36	41	EVGE-L-28-1" NPT
L	160	35	1 1/4" NPT	M 45 x 2	63,0	28,5	25,5	46	50	EVGE-L-35-1 1/4" NPT
L	160	42	1 1/2" NPT	M 52 x 2	66,0	29,0	26,0	50	60	EVGE-L-42-1 1/2" NPT
S	630	6	1/4" NPT	M 14 x 1,5	40,0	19,0	15,0	14	17	EVGE-S-06-1/4" NPT
S	630	8	1/4" NPT	M 16 x 1,5	40,5	20,0	15,0	14	19	EVGE-S-08-1/4" NPT
S	630	10	1/4" NPT	M 18 x 1,5	39,5	19,0	15,0	14	22	EVGE-S-10-1/4" NPT
S	630	10	3/8" NPT	M 18 x 1,5	44,0	21,0	15,3	19	22	EVGE-S-10-3/8" NPT
S	630	12	1/4" NPT	M 20 x 1,5	42,0	22,0	15,0	14	24	EVGE-S-12-1/4" NPT
S	630	12	3/8" NPT	M 20 x 1,5	43,0	22,0	15,3	19	24	EVGE-S-12-3/8" NPT
S	630	12	1/2" NPT	M 20 x 1,5	50,0	22,0	20,0	22	24	EVGE-S-12-1/2" NPT
S	630	14	1/2" NPT	M 22 x 1,5	48,0	23,5	20,0	22	27	EVGE-S-14-1/2" NPT
S	400	16	1/2" NPT	M 24 x 1,5	54,0	24,0	20,0	22	30	EVGE-S-16-1/2" NPT
S	400	20	3/4" NPT	M 30 x 2	58,0	28,0	20,0	27	36	EVGE-S-20-3/4" NPT
S	400	25	1" NPT	M 36 x 2	68,0	29,0	25,0	36	46	EVGE-S-25-1" NPT
S	400	30	1 1/4" NPT	M 42 x 2	73,0	33,0	25,5	46	50	EVGE-S-30-1 1/4" NPT
S	315	38	1 1/2" NPT	M 52 x 2	81,0	38,0	26,0	50	60	EVGE-S-38-1 1/2" NPT

GERADE AUFSTECKSTUTZEN



STUD STANDPIPE CONNECTORS

ohne Vormontage

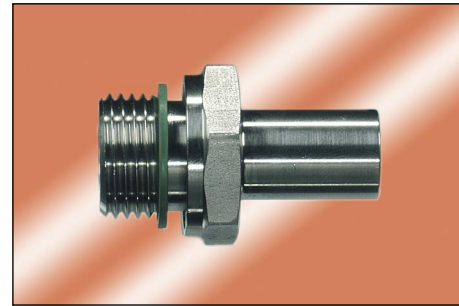
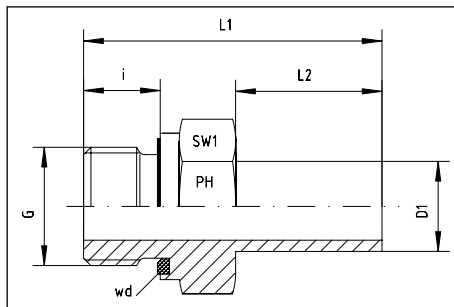
Einschraubgewinde: metrisches Feingewinde - zylindrisch

wd = Abdichtung durch Profildichtung - Viton

not pre-assembled

Thread: metric - parallel

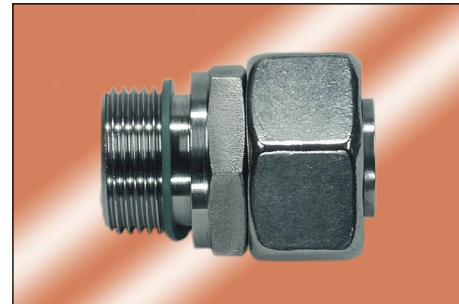
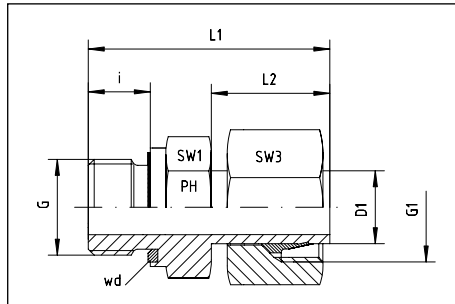
wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
				L1	L2	i	SW1	
L	315	6	M 10 x 1	32,5	19,0	8	14	EVGE-L-06-M 10x1-ov-wd
L	315	8	M 12 x 1,5	38,5	19,5	12	17	EVGE-L-08-M 12x1,5-ov-wd
L	315	10	M 14 x 1,5	39,5	20,5	12	19	EVGE-L-10-M 14x1,5-ov-wd
L	315	12	M 16 x 1,5	42,0	22,0	12	22	EVGE-L-12-M 16x1,5-ov-wd
L	315	15	M 18 x 1,5	43,5	23,0	12	24	EVGE-L-15-M 18x1,5-ov-wd
L	315	18	M 22 x 1,5	45,5	21,5	14	27	EVGE-L-18-M 22x1,5-ov-wd
L	160	22	M 26 x 1,5	48,5	22,5	16	32	EVGE-L-22-M 26x1,5-ov-wd
L	160	28	M 33 x 2	53,0	24,0	18	41	EVGE-L-28-M 33x2-ov-wd
L	160	35	M 42 x 2	62,5	30,5	20	50	EVGE-L-35-M 42x2-ov-wd
L	160	42	M 48 x 2	68,5	32,5	22	55	EVGE-L-42-M 48x2-ov-wd
S	630	6	M 12 x 1,5	39,5	19,0	12	17	EVGE-S-06-M 12x1,5-ov-wd
S	630	8	M 14 x 1,5	40,5	19,5	12	19	EVGE-S-08-M 14x1,5-ov-wd
S	630	10	M 16 x 1,5	44,0	21,5	12	22	EVGE-S-10-M 16x1,5-ov-wd
S	630	12	M 18 x 1,5	46,0	21,5	12	24	EVGE-S-12-M 18x1,5-ov-wd
S	630	14	M 20 x 1,5	50,0	23,5	14	27	EVGE-S-14-M 20x1,5-ov-wd
S	400	16	M 22 x 1,5	51,0	24,0	14	27	EVGE-S-16-M 22x1,5-ov-wd
S	400	20	M 27 x 2	59,0	28,0	16	32	EVGE-S-20-M 27x2-ov-wd
S	400	25	M 33 x 2	65,5	31,0	18	41	EVGE-S-25-M 33x2-ov-wd
S	400	30	M 42 x 2	71,0	34,0	20	50	EVGE-S-30-M 42x2-ov-wd
S	315	38	M 48 x 2	83,5	40,0	22	55	EVGE-S-38-M 48x2-ov-wd

vormontiert
Einschraubgewinde: metrisches Feingewinde - zylindrisch
wd = Abdichtung durch Profildichtung - Viton

pre-assembled
Thread: metric - parallel
wd = Sealing by an elastomer profiled ring - Viton



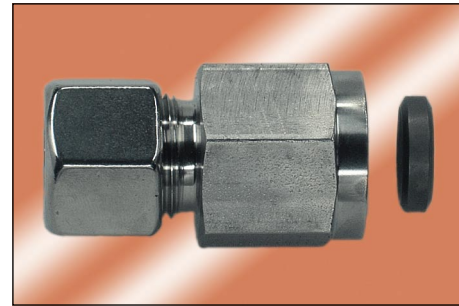
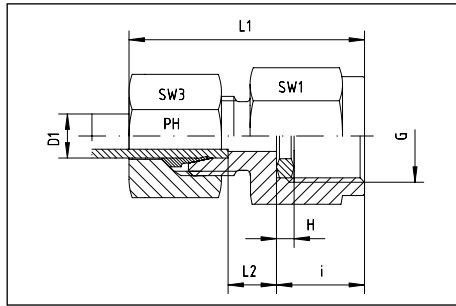
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich fühlbaren Kraftanstieges.

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
			G	G1	L1	L2	i	SW1	SW3	
L	315	6	M 10 x 1	M 12 x 1,5	32,5	19,0	8	14	14	EVGE-L-06-M 10x1-wd
L	315	8	M 12 x 1,5	M 14 x 1,5	38,5	19,5	12	17	17	EVGE-L-08-M 12x1,5-wd
L	315	10	M 14 x 1,5	M 16 x 1,5	39,5	20,5	12	19	19	EVGE-L-10-M 14x1,5-wd
L	315	12	M 16 x 1,5	M 18 x 1,5	42,0	22,0	12	22	22	EVGE-L-12-M 16x1,5-wd
L	315	15	M 18 x 1,5	M 22 x 1,5	43,5	23,0	12	24	27	EVGE-L-15-M 18x1,5-wd
L	315	18	M 22 x 1,5	M 26 x 1,5	45,5	21,5	14	27	32	EVGE-L-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	M 30 x 2	48,5	22,5	16	32	36	EVGE-L-22-M 26x1,5-wd
L	160	28	M 33 x 2	M 36 x 2	53,0	24,0	18	41	41	EVGE-L-28-M 33x2-wd
L	160	35	M 42 x 2	M 45 x 2	62,5	30,5	20	50	50	EVGE-L-35-M 42x2-wd
L	160	42	M 48 x 2	M 52 x 2	68,5	32,5	22	55	60	EVGE-L-42-M 48x2-wd
S	630	6	M 12 x 1,5	M 14 x 1,5	39,5	19,0	12	17	17	EVGE-S-06-M 12x1,5-wd
S	630	8	M 14 x 1,5	M 16 x 1,5	40,5	19,5	12	19	19	EVGE-S-08-M 14x1,5-wd
S	630	10	M 16 x 1,5	M 18 x 1,5	44,0	21,5	12	22	22	EVGE-S-10-M 16x1,5-wd
S	630	12	M 18 x 1,5	M 20 x 1,5	46,0	21,5	12	24	24	EVGE-S-12-M 18x1,5-wd
S	630	14	M 20 x 1,5	M 22 x 1,5	50,0	23,5	14	27	27	EVGE-S-14-M 20x1,5-wd
S	400	16	M 22 x 1,5	M 24 x 1,5	51,0	24,0	14	27	30	EVGE-S-16-M 22x1,5-wd
S	400	20	M 27 x 2	M 30 x 2	59,0	28,0	16	32	36	EVGE-S-20-M 27x2-wd
S	400	25	M 33 x 2	M 36 x 2	65,5	31,0	18	41	46	EVGE-S-25-M 33x2-wd
S	400	30	M 42 x 2	M 42 x 2	71,0	34,0	20	50	50	EVGE-S-30-M 42x2-wd
S	315	38	M 48 x 2	M 52 x 2	83,5	40,0	22	55	60	EVGE-S-38-M 48x2-wd

Manometer-Verschraubungen
mit Dichtkantenring - DKRi
Innengewinde: Whitworth-Rohrgewinde - zylindrisch

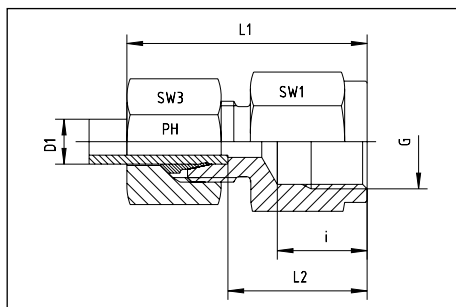
with metal sealing ring - DKRi
Internal thread: BSP - female - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	H	SW1	SW3	
L	315	6	G 1/4"	37	7,5	14,5	4,5	19	14	MV-L-06-G 1/4"
L	315	6	G 1/2"	46	9,0	20,0	5,0	27	14	MV-L-06-G 1/2"
L	315	8	G 1/4"	37	7,5	14,5	4,5	19	17	MV-L-08-G 1/4"
L	315	8	G 1/2"	46	9,0	20,0	5,0	27	17	MV-L-08-G 1/2"
L	315	10	G 1/4"	38	8,5	14,5	4,5	19	19	MV-L-10-G 1/4"
L	315	10	G 1/2"	47	9,5	20,0	5,0	27	19	MV-L-10-G 1/2"
L	315	12	G 1/4"	38	8,5	14,5	4,5	19	22	MV-L-12-G 1/4"
L	315	12	G 1/2"	48	10,0	20,0	5,0	27	22	MV-L-12-G 1/2"
S	630	6	G 1/2"	46	11,0	20,0	5,0	27	17	MV-S-06-G 1/2"
S	630	8	G 1/2"	46	11,0	20,0	5,0	27	19	MV-S-08-G 1/2"
S	630	10	G 1/2"	47	10,5	20,0	5,0	27	22	MV-S-10-G 1/2"
S	630	12	G 1/2"	47	10,5	20,0	5,0	27	24	MV-S-12-G 1/2"

Manometer-Verschraubungen
Innengewinde: NPT

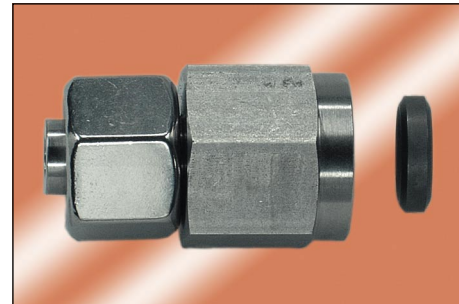
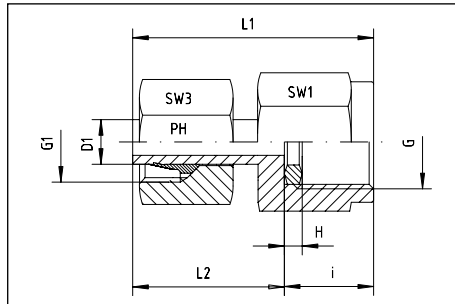
Internal thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3		
L	315	6	1/4" NPT	38	23,5	16,4	19	14	MV-L-06-NPT 1/4"	
L	315	6	1/2" NPT	46	31,0	22,6	27	14	MV-L-06-NPT 1/2"	
L	315	8	1/4" NPT	38	23,5	16,4	19	17	MV-L-08-NPT 1/4"	
L	315	8	1/2" NPT	46	31,0	22,6	27	17	MV-L-08-NPT 1/2"	
L	315	10	1/4" NPT	39	24,0	16,4	19	19	MV-L-10-NPT 1/4"	
L	315	10	1/2" NPT	47	32,0	22,6	27	19	MV-L-10-NPT 1/2"	
L	315	12	1/4" NPT	39	24,0	16,4	19	22	MV-L-12-NPT 1/4"	
L	315	12	1/2" NPT	47	32,0	22,6	27	22	MV-L-12-NPT 1/2"	
S	630	6	1/2" NPT	48	33,0	22,6	27	17	MV-S-06-NPT 1/2"	
S	630	8	1/2" NPT	48	33,0	22,6	27	19	MV-S-08-NPT 1/2"	
S	630	10	1/2" NPT	49	32,5	22,6	27	22	MV-S-10-NPT 1/2"	
S	630	12	1/2" NPT	49	32,5	22,6	27	24	MV-S-12-NPT 1/2"	

Einstellbare Manometer-Verschraubungen
mit Dichtkantenring - DKRi
Innengewinde: Whitworth-Rohrgewinde - zylindrisch

with metal sealing ring - DKRi
Thread: BSP - female - parallel



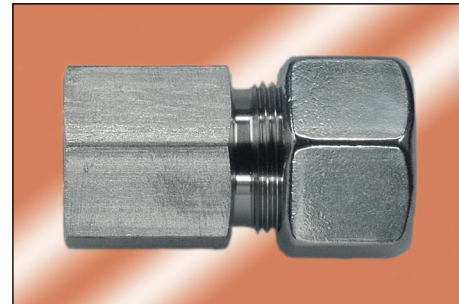
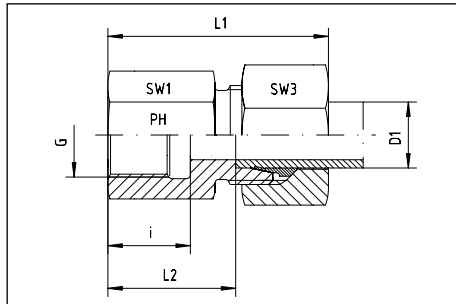
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich fühlbaren Kraftanstieges.

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		L1	L2	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	G1			i	H	SW1	SW3	
L	315	6	G 1/4"	M 12 x 1,5	38,0		14,5	4,5	19	14	MV ev-L-06-G 1/4"
L	315	6	G 1/2"	M 12 x 1,5	45,0		20,0	5,0	27	14	MV ev-L-06-G 1/2"
L	315	8	G 1/4"	M 14 x 1,5	38,0		14,5	4,5	19	17	MV ev-L-08-G 1/4"
L	315	8	G 1/2"	M 14 x 1,5	45,0		20,0	5,0	27	17	MV ev-L-08-G 1/2"
L	315	10	G 1/4"	M 16 x 1,5	39,5		14,5	4,5	19	19	MV ev-L-10-G 1/4"
L	315	10	G 1/2"	M 16 x 1,5	47,0		20,0	5,0	27	19	MV ev-L-10-G 1/2"
L	315	12	G 1/4"	M 18 x 1,5	40,5		14,5	4,5	19	22	MV ev-L-12-G 1/4"
L	315	12	G 1/2"	M 18 x 1,5	47,5		20,0	5,0	27	22	MV ev-L-12-G 1/2"
S	630	6	G 1/4"	M 14 x 1,4	38,0		14,5	4,5	19	17	MV ev-S-06-G 1/4"
S	630	6	G 1/2"	M 14 x 1,5	45,0		20,0	5,0	27	17	MV ev-S-06-G 1/2"
S	630	8	G 1/4"	M 16 x 1,5	38,0		14,5	4,5	19	19	MV ev-S-08-G 1/4"
S	630	8	G 1/2"	M 16 x 1,5	45,0		20,0	5,0	27	19	MV ev-S-08-G 1/2"
S	630	10	G 1/4"	M 18 x 1,5	39,5		14,5	4,5	19	22	MV ev-S-10-G 1/4"
S	630	10	G 1/2"	M 18 x 1,5	47,0		20,0	5,0	27	22	MV ev-S-10-G 1/2"
S	630	12	G 1/4"	M 20 x 1,5	40,5		14,5	4,5	19	24	MV ev-S-12-G 1/4"
S	630	12	G 1/2"	M 20 x 1,5	47,5		20,0	5,0	27	24	MV ev-S-12-G 1/2"

Gerade Aufschraub-Verschraubungen
 Innengewinde: Whitworth-Rohrgewinde - zylindrisch

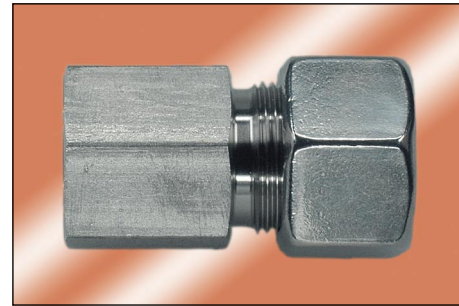
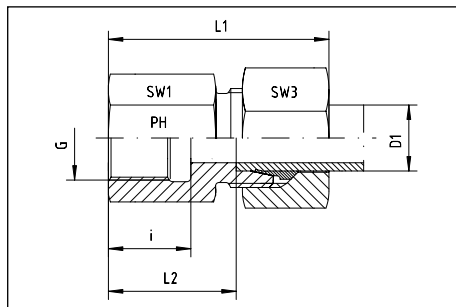
Female thread: BSP - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	G 1/8"	34,0	19,0	12,0	14	14	GAI-L-06-G 1/8"
L	315	6	G 1/4"	41,0	24,0	17,0	19	14	GAI-L-06-G 1/4"
L	315	6	G 3/8"	41,0	24,0	17,0	24	14	GAI-L-06-G 3/8"
L	315	6	G 1/2"			20,0	27	14	GAI-L-06-G 1/2"
L	315	8	G 1/4"	39,0	24,0	17,0	19	17	GAI-L-08-G 1/4"
L	315	8	G 3/8"	40,0	25,0	17,0	24	17	GAI-L-08-G 3/8"
L	315	8	G 1/2"			20,0	27	17	GAI-L-08-G 1/2"
L	315	10	G 1/4"	40,0	25,0	17,0	19	19	GAI-L-10-G 1/4"
L	315	10	G 3/8"	41,0	26,0	17,0	24	19	GAI-L-10-G 3/8"
L	315	10	G 1/2"	47,0	30,0	20,0	27	19	GAI-L-10-G 1/2"
L	315	12	G 1/4"	40,0	25,0	17,0	19	22	GAI-L-12-G 1/4"
L	315	12	G 3/8"	41,0	26,0	17,0	24	22	GAI-L-12-G 3/8"
L	315	12	G 1/2"	48,0	30,0	20,0	27	22	GAI-L-12-G 1/2"
L	315	15	G 3/8"	42,0	27,0	17,5	24	27	GAI-L-15-G 3/8"
L	315	15	G 1/2"	46,0	31,0	20,0	27	27	GAI-L-15-G 1/2"
L	315	18	G 3/8"	43,0	26,5	17,5	27	32	GAI-L-18-G 3/8"
L	315	18	G 1/2"	47,0	30,5	20,0	27	32	GAI-L-18-G 1/2"
L	160	22	G 1/2"			20,0	32	36	GAI-L-22-G 1/2"
L	160	22	G 3/4"	52,0	35,5	22,0	36	36	GAI-L-22-G 3/4"
L	160	28	G 1	54,5	38,0	24,5	41	41	GAI-L-28-G 1"
L	160	35	G 1 1/4"	62,5	41,0	26,5	55	50	GAI-L-35-G 1 1/4"
L	160	42	G 1 1/2"	65,5	42,5	28,5	60	60	GAI-L-42-G 1 1/2"
S	400	6	G 1/4"	41,0	26,0	17,0	19	17	GAI-S-06-G 1/4"
S	400	6	G 3/8"			17,0	24	17	GAI-S-06-G 3/8"
S	400	6	G 1/2"			20,0	27	17	GAI-S-06-G 1/2"
S	400	8	G 1/4"	41,0	26,0	17,0	19	19	GAI-S-08-G 1/4"
S	400	8	G 3/8"			17,0	24	19	GAI-S-08-G 3/8"
S	400	8	G 1/2"			20,0	27	19	GAI-S-08-G 1/2"
S	400	10	G 3/8"	43,0	26,5	17,0	24	22	GAI-S-10-G 3/8"
S	400	10	G 1/2"			20,0	27	22	GAI-S-10-G 1/2"
S	400	12	G 1/4"			17,0	22	24	GAI-S-12-G 1/4"
S	400	12	G 3/8"	43,0	26,5	17,0	24	24	GAI-S-12-G 3/8"
S	400	12	G 1/2"	50,0	30,5	20,0	27	24	GAI-S-12-G 1/2"
S	400	14	G 3/8"			17,0	24	27	GAI-S-14-G 3/8"
S	400	14	G 1/2"	50,0	32,0	20,0	27	27	GAI-S-14-G 1/2"
S	400	16	G 3/8"			17,0	27	30	GAI-S-16-G 3/8"
S	400	16	G 1/2"	50,0	31,5	20,0	27	30	GAI-S-16-G 1/2"
S	315	20	G 1/2"			20,0	32	36	GAI-S-20-G 1/2"
S	315	20	G 3/4"	56,0	34,5	22,0	32	36	GAI-S-20-G 3/4"
S	315	25	G 3/4"			22,0	41	46	GAI-S-25-G 3/4"
S	315	25	G 1	61,5	37,5	24,5	41	46	GAI-S-25-G 1"
S	315	30	G 1 1/4"	68,5	42,0	26,5	55	50	GAI-S-30-G 1 1/4"
S	250	38	G 1 1/2"	74,5	43,5	28,5	60	60	GAI-S-38-G 1 1/2"

Gerade Aufschraub-Verschraubungen
 Innengewinde: metrisches Feingewinde - zylindrisch

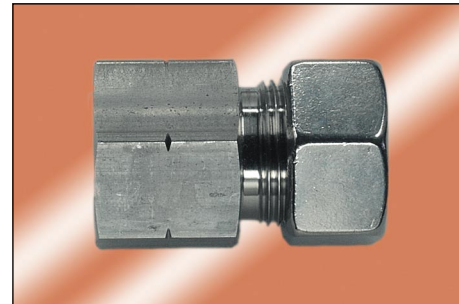
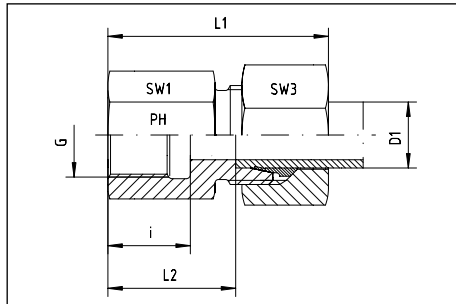
Female thread: metric - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	M 10 x 1	34	19,5	12,5	14	14	GAI-L-06-M 10x1
L	315	8	M 12 x 1,5	39	24,0	17,0	17	17	GAI-L-08-M 12x1,5
L	315	10	M 14 x 1,5	40	25,0	17,0	19	19	GAI-L-10-M 14x1,5
L	315	12	M 16 x 1,5	41	26,0	17,0	22	22	GAI-L-12-M 16x1,5
L	315	15	M 18 x 1,5	43	28,0	17,0	24	27	GAI-L-15-M 18x1,5
L	315	18	M 22 x 1,5	46	29,5	19,0	30	32	GAI-L-18-M 22x1,5
L	160	22	M 26 x 1,5	51	34,5	21,0	32	36	GAI-L-22-M 26x1,5
L	160	28	M 33 x 2	54	37,5	24,0	41	41	GAI-L-28-M 33x2
L	160	35	M 42 x 2	62	40,5	26,0	50	50	GAI-L-35-M 42x2
L	160	42	M 48 x 2	65	42,0	28,0	55	60	GAI-L-42-M 48x2
S	400	6	M 12 x 1,5	41	26,0	17,0	17	17	GAI-S-06-M 12x1,5
S	400	8	M 14 x 1,5	41	26,0	17,0	19	19	GAI-S-08-M 14x1,5
S	400	10	M 16 x 1,5	43	26,5	17,0	22	22	GAI-S-10-M 16x1,5
S	400	12	M 18 x 1,5	44	27,5	17,0	24	24	GAI-S-12-M 18x1,5
S	400	14	M 20 x 1,5	49	31,0	19,0	27	27	GAI-S-14-M 20x1,5
S	315	16	M 22 x 1,5	49	30,5	19,0	30	30	GAI-S-16-M 22x1,5
S	315	20	M 27 x 2	56	34,5	22,0	32	36	GAI-S-20-M 27x2
S	315	25	M 33 x 2	61	37,0	24,0	41	46	GAI-S-25-M 33x2
S	315	30	M 42 x 2	68	41,5	26,0	50	50	GAI-S-30-M 42x2
S	250	38	M 48 x 2	74	43,0	28,0	55	60	GAI-S-38-M 48x2

Gerade Aufschraub-Verschraubungen
Innengewinde: NPT

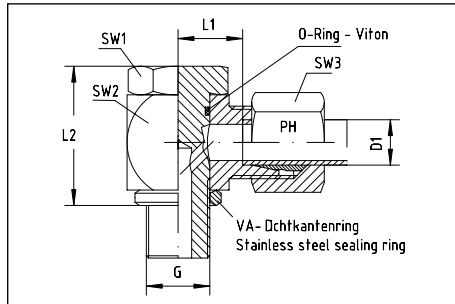
Female thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	i	SW1	SW3	
L	315	6	1/8" NPT	34	19,0	11,6	14	14	GAI-L-06-1/8" NPT
L	315	6	1/4" NPT	38	23,5	16,4	19	14	GAI-L-06-1/4" NPT
L	315	6	3/8" NPT			17,4	24	14	GAI-L-06-3/8" NPT
L	315	8	1/4" NPT	38	23,5	16,4	19	17	GAI-L-08-1/4" NPT
L	315	8	3/8" NPT			17,4	24	17	GAI-L-08-3/8" NPT
L	315	10	1/4" NPT	39	24,0	16,4	19	19	GAI-L-10-1/4" NPT
L	315	10	3/8" NPT			17,4	24	19	GAI-L-10-3/8" NPT
L	315	10	1/2" NPT			22,6	27	19	GAI-L-10-1/2" NPT
L	315	12	1/4" NPT			16,4	19	22	GAI-L-12-1/4" NPT
L	315	12	3/8" NPT	42	27,0	17,4	24	22	GAI-L-12-3/8" NPT
L	315	12	1/2" NPT	47	32,0	22,6	27	22	GAI-L-12-1/2" NPT
L	315	15	3/8" NPT			17,4	24	27	GAI-L-15-3/8" NPT
L	315	15	1/2" NPT	48	33,0	22,6	27	27	GAI-L-15-1/2" NPT
L	315	18	1/2" NPT	49	32,5	22,6	27	27	GAI-L-18-1/2" NPT
L	160	22	3/4" NPT	52	35,5	23,1	36	36	GAI-L-22-3/4" NPT
L	160	28	1" NPT	57	40,5	27,8	41	41	GAI-L-28-1" NPT
L	160	35	1 1/4" NPT	62	40,5	28,3	55	50	GAI-L-35-1 1/4" NPT
L	160	42	1 1/2" NPT	65	42,0	28,3	60	60	GAI-L-42-1 1/2" NPT
S	630	6	1/4" NPT	41	26,0	16,4	19	17	GAI-S-06-1/4" NPT
S	630	8	1/4" NPT	41	26,0	16,4	19	19	GAI-S-08-1/4" NPT
S	630	10	3/8" NPT	44	27,0	17,4	24	22	GAI-S-10-3/8" NPT
S	630	12	3/8" NPT	44	27,5	17,4	24	24	GAI-S-12-3/8" NPT
S	630	12	1/2" NPT	50	33,5	22,6	27	24	GAI-S-12-1/2" NPT
S	630	14	1/2" NPT	53	35,0	22,6	27	27	GAI-S-14-1/2" NPT
S	400	16	1/2" NPT	50	34,5	22,6	27	30	GAI-S-16-1/2" NPT
S	400	20	3/4" NPT	57	35,5	23,1	32	36	GAI-S-20-3/4" NPT
S	400	25	1" NPT	65	41,0	27,8	41	46	GAI-S-25-1" NPT
S	400	30	1 1/4" NPT	70	43,5	28,3	55	50	GAI-S-30-1 1/4" NPT
S	315	38	1 1/2" NPT	74	43,0	28,3	60	60	GAI-S-38-1 1/2" NPT

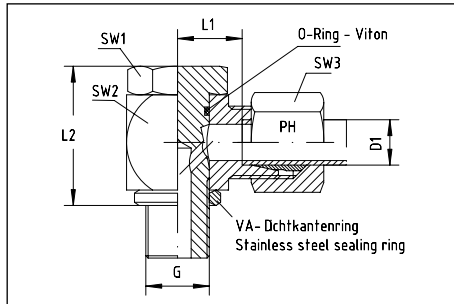
Winkel-Schwenkverschraubungen
 mit VA-Dichtkantenring für Ausdrehung DIN 3852 (schmal)
Auf Anfrage: mit gekammertem Weichdichttring -
 Seite 8.85 und 8.86
 Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch

with stainless steel sealing ring for DIN 3853 (small)
On request: with bonded seal ring -
 page 8.85 and 8.86
 Thread G: BSP - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW2	SW3	
LL	100	4	G 1/8"	11,0	24	17	18	10	WHV-LL-04-G 1/8"
LL	100	6	G 1/8"	11,5	24	17	18	12	WHV-LL-06-G 1/8"
LL	100	8	G 1/8"	11,5	24	17	18	14	WHV-LL-08-G 1/8"
L	315	6	G 1/8"	12,0	24	17	18	14	WHV-L-06-G 1/8"
L	315	8	G 1/4"	14,5	30	19	22	17	WHV-L-08-G 1/4"
L	315	10	G 1/4"	15,5	30	19	22	19	WHV-L-10-G 1/4"
L	315	12	G 1/4"	15,5	30	19	22	22	WHV-L-12-G 1/4"
L	315	12	G 3/8"	18,0	36	24	25	22	WHV-L-12-G 3/8"
L	315	15	G 1/2"	21,5	45	30	35	27	WHV-L-15-G 1/2"
L	315	18	G 1/2"	21,0	45	30	35	32	WHV-L-18-G 1/2"
L	160	22	G 3/4"	27,5	53	36	40	36	WHV-L-22-G 3/4"
L	160	28	G 1"	32,0	66	46	50	41	WHV-L-28-G 1"
L	160	35	G 1 1/4"	36,0	76	55	60	50	WHV-L-35-G 1 1/4"
L	160	42	G 1 1/2"	40,5	87	60	70	60	WHV-L-42-G 1 1/2"
S	400	6	G 1/4"	16,5	30	19	22	17	WHV-S-06-G 1/4"
S	400	8	G 1/4"	16,5	30	19	22	19	WHV-S-08-G 1/4"
S	400	10	G 1/4"	16,5	30	19	22	22	WHV-S-10-G 1/4"
S	400	10	G 3/8"	18,5	36	24	25	22	WHV-S-10-G 3/8"
S	400	12	G 3/8"	18,5	36	24	25	24	WHV-S-12-G 3/8"
S	400	14	G 1/2"	22,5	45	30	35	27	WHV-S-14-G 1/2"
S	400	16	G 1/2"	22,0	45	30	35	30	WHV-S-16-G 1/2"
S	315	20	G 3/4"	26,5	53	36	40	36	WHV-S-20-G 3/4"
S	250	25	G 1"	31,5	66	46	50	46	WHV-S-25-G 1"
S	250	30	G 1 1/4"	37,0	76	55	60	50	WHV-S-30-G 1 1/4"
S	250	38	G 1 1/2"	41,5	87	60	70	60	WHV-S-38-G 1 1/2"

Winkel-Schwenkverschraubungen
 mit VA-Dichtkantenring für Ausdrehung DIN 3852 (schmal)
Auf Anfrage: mit gekammertem Weichdichttring -
 Seite 8.85 und 8.86
 Einschraubgewinde G: metrisches Feingewinde - zylindrisch



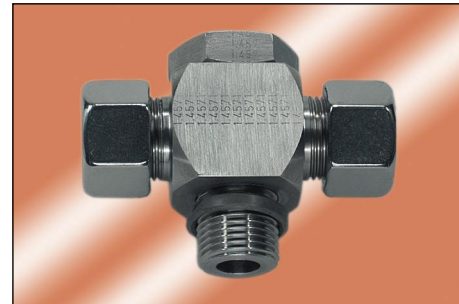
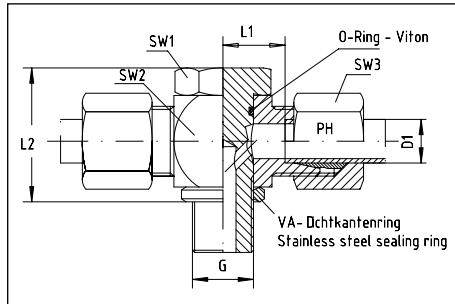
with stainless steel sealing ring for DIN 3852 (small)
On request: with bonded seal ring -
 page 8.85 and 8.86
 Thread G: metric - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW2	SW3	
LL	100	4	M 8 x 1	11,0	24,0	17	18	10	WHV-LL-04-M 8x1
LL	100	6	M 10 x 1	11,5	24,0	17	18	12	WHV-LL-06-M 10x1
LL	100	8	M 10 x 1	11,5	24,0	17	18	14	WHV-LL-08-M 10x1
L	315	6	M 10 x 1	12,0	24,0	17	18	14	WHV-L-06-M 10x1
L	315	8	M 12 x 1,5	14,5	30,0	19	22	17	WHV-L-08-M 12x1,5
L	315	10	M 14 x 1,5	15,5	30,0	19	22	19	WHV-L-10-M 14x1,5
L	315	12	M 16 x 1,5	18,0	36,0	24	25	22	WHV-L-12-M 16x1,5
L	315	15	M 18 x 1,5	20,5	39,5	27	30	27	WHV-L-15-M 18x1,5
L	315	18	M 22 x 1,5	21,0	45,0	30	35	32	WHV-L-18-M 22x1,5
L	160	22	M 26 x 1,5	27,5	53,0	36	40	36	WHV-L-22-M 26x1,5
L	160	28	M 33 x 2	32,0	66,0	46	50	41	WHV-L-28-M 33x2
L	160	35	M 42 x 2	36,0	76,0	55	60	50	WHV-L-35-M 42x2
L	160	42	M 48 x 2	40,5	87,0	60	70	60	WHV-L-42-M 48x2
S	400	6	M 12 x 1,5	16,5	30,0	19	22	17	WHV-S-06-M 12x1,5
S	400	8	M 14 x 1,5	16,5	30,0	19	22	19	WHV-S-08-M 14x1,5
S	400	10	M 16 x 1,5	18,5	36,0	24	25	22	WHV-S-10-M 16x1,5
S	400	12	M 18 x 1,5	20,0	39,5	27	30	24	WHV-S-12-M 18x1,5
S	400	14	M 20 x 1,5	22,5	43,5	30	35	27	WHV-S-14-M 20x1,5
S	400	16	M 22 x 1,5	22,0	45,0	30	35	30	WHV-S-16-M 22x1,5
S	315	20	M 27 x 2	26,5	53,0	36	40	36	WHV-S-20-M 27x2
S	250	25	M 33 x 2	31,5	66,0	46	50	46	WHV-S-25-M 33x2
S	250	30	M 42 x 2	37,0	76,0	55	60	50	WHV-S-30-M 42x2
S	250	38	M 48 x 2	41,5	87,0	60	70	60	WHV-S-38-M 48x2

T-Schwenkverschraubungen
 mit VA-Dichtkantenring für Ausdrehung DIN 3852 (schmal)
Auf Anfrage: mit gekammertem Weichdichttring -
 Seite 8.85 und 8.86
 Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch

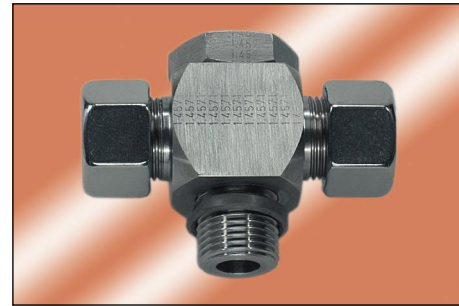
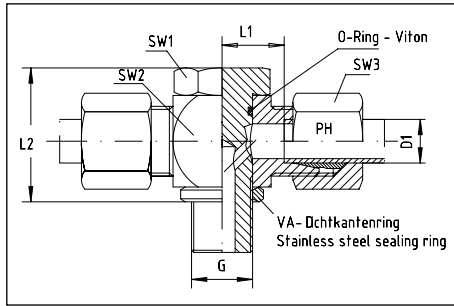
with stainless steel sealing ring for DIN 3852 (small)
On request: with bonded seal ring -
 page 8.85 and 8.86
 Thread G: BSP - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW2	SW3	
LL	100	4	G 1/8"	11,0	24	17	18	10	THV-LL-04-R 1/8"
LL	100	6	G 1/8"	11,5	24	17	18	12	THV-LL-06-R 1/8"
LL	100	8	G 1/8"	11,5	24	17	18	14	THV-LL-08-R 1/8"
L	315	6	G 1/8"	12,0	24	17	18	14	THV-L-06-R 1/8"
L	315	8	G 1/4"	14,5	30	19	22	17	THV-L-08-R 1/4"
L	315	10	G 1/4"	15,5	30	19	22	19	THV-L-10-R 1/4"
L	315	12	G 1/4"	15,5	30	19	22	22	THV-L-12-R 1/4"
L	315	12	G 3/8"	18,0	36	24	25	22	THV-L-12-R 3/8"
L	315	15	G 1/2"	21,5	45	30	35	27	THV-L-15-R 1/2"
L	315	18	G 1/2"	21,0	45	30	35	32	THV-L-18-R 1/2"
L	160	22	G 3/4"	27,5	53	36	40	36	THV-L-22-R 3/4"
L	160	28	G 1"	32,0	66	46	50	41	THV-L-28-R 1"
L	160	35	G 1 1/4"	36,0	76	55	60	50	THV-L-35-R 1 1/4"
L	160	42	G 1 1/2"	40,5	87	60	70	60	THV-L-42-R 1 1/2"
S	400	6	G 1/4"	16,5	30	19	22	17	THV-S-06-R 1/4"
S	400	8	G 1/4"	16,5	30	19	22	19	THV-S-08-R 1/4"
S	400	10	G 1/4"	16,5	30	19	22	22	THV-S-10-R 1/4"
S	400	10	G 3/8"	18,5	36	24	25	22	THV-S-10-R 3/8"
S	400	12	G 3/8"	18,5	36	24	25	24	THV-S-12-R 3/8"
S	400	14	G 1/2"	22,5	45	30	35	27	THV-S-14-R 1/2"
S	400	16	G 1/2"	22,0	45	30	35	30	THV-S-16-R 1/2"
S	315	20	G 3/4"	26,5	53	36	40	36	THV-S-20-R 3/4"
S	250	25	G 1"	31,5	66	46	50	46	THV-S-25-R 1"
S	250	30	G 1 1/4"	37,0	76	55	60	50	THV-S-30-R 1 1/4"
S	250	38	G 1 1/2"	41,5	87	60	70	60	THV-S-38-R 1 1/2"

T-Schwenkverschraubungen
 mit VA-Dichtkantenring für Ausdrehung DIN 3852 (schmal)
Auf Anfrage: mit gekammertem Weichdichttring -
 Seite 8.85 und 8.86
 Einschraubgewinde G: metrisches Feingewinde - zylindrisch

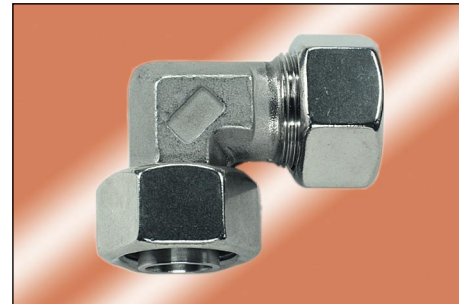
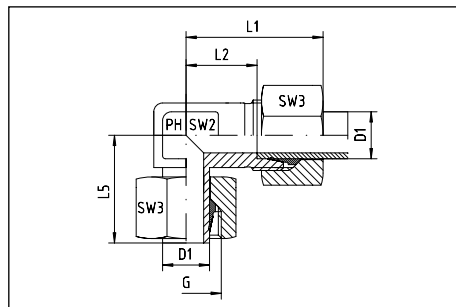
with stainless steel sealing ring for DIN 3852 (small)
On request: with bonded seal ring -
 page 8.85 and 8.86
 Thread G: metric - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW2	SW3	
LL	100	4	M 8 x 1	11,0	24,0	17	18	10	THV-LL-04-M 8x1
LL	100	6	M 10 x 1	11,5	24,0	17	18	12	THV-LL-06-M 10x1
LL	100	8	M 10 x 1	11,5	24,0	17	18	14	THV-LL-08-M 10x1
L	315	6	M 10 x 1	12,0	24,0	17	18	14	THV-L-06-M 10x1
L	315	8	M 12 x 1,5	14,5	30,0	19	22	17	THV-L-08-M 12x1,5
L	315	10	M 14 x 1,5	15,5	30,0	19	22	19	THV-L-10-M 14x1,5
L	315	12	M 16 x 1,5	18,0	36,0	24	25	22	THV-L-12-M 16x1,5
L	315	15	M 18 x 1,5	20,5	39,5	27	30	27	THV-L-15-M 18x1,5
L	315	18	M 22 x 1,5	21,0	45,0	30	35	32	THV-L-18-M 22x1,5
L	160	22	M 26 x 1,5	27,5	53,0	36	40	36	THV-L-22-M 26x1,5
L	160	28	M 33 x 2	32,0	66,0	46	50	41	THV-L-28-M 33x2
L	160	35	M 42 x 2	36,0	76,0	55	60	50	THV-L-35-M 42x2
L	160	42	M 48 x 2	40,5	87,0	60	70	60	THV-L-42-M 48x2
S	400	6	M 12 x 1,5	16,5	30,0	19	22	17	THV-S-06-M 12x1,5
S	400	8	M 14 x 1,5	16,5	30,0	19	22	19	THV-S-08-M 14x1,5
S	400	10	M 16 x 1,5	18,5	36,0	24	25	22	THV-S-10-M 16x1,5
S	400	12	M 18 x 1,5	20,0	39,5	27	30	24	THV-S-12-M 18x1,5
S	400	14	M 20 x 1,5	22,5	43,5	30	35	27	THV-S-14-M 20x1,5
S	400	16	M 22 x 1,5	22,0	45,0	30	35	30	THV-S-16-M 22x1,5
S	315	20	M 27 x 2	26,5	53,0	36	40	36	THV-S-20-M 27x2
S	250	25	M 33 x 2	31,5	66,0	46	50	46	THV-S-25-M 33x2
S	250	30	M 42 x 2	37,0	76,0	55	60	50	THV-S-30-M 42x2
S	250	38	M 48 x 2	41,5	87,0	60	70	60	THV-S-38-M 48x2

Einstellbare Winkel-Verschraubungen
Einsteckausführung - vormontiert

Male stud type - pre-assembled



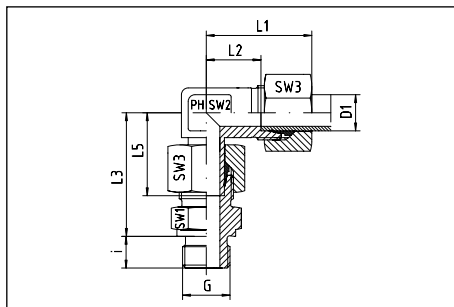
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	EVW-L-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	EVW-L-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	EVW-L-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	EVW-L-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	EVW-L-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	EVW-L-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	EVW-L-22
L	160	28	M 36 x 2	47	30,5	43,5	36	41	EVW-L-28
L	160	35	M 45 x 2	56	34,5	54,0	41	50	EVW-L-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	EVW-L-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	EVW-S-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	EVW-S-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	EVW-S-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	EVW-S-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	EVW-S-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	EVW-S-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	EVW-S-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	EVW-S-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	EVW-S-30
S	250	38	M 52 x 2	72	41,0	63,0	50	60	EVW-S-38

Einstellbare Winkel-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud type - pre-assembled
 Thread: BSP - parallel
 Sealing by sealing shoulder form B



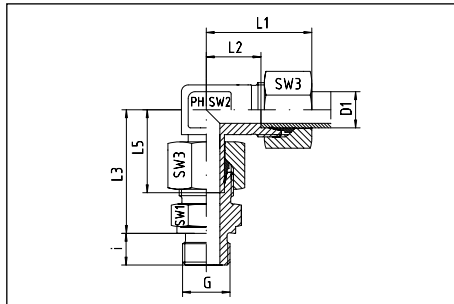
Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	EVW-L-06-G 1/8"
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17	EVW-L-08-G 1/4"
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	EVW-L-10-G 1/4"
L	315	12	G 1/4"	32	17,0	42,0	29,5	12	19	17	22	EVW-L-12-G 1/4"
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	EVW-L-12-G 3/8"
L	315	12	G 1/2"	32	17,0	43,0	29,5	14	27	17	22	EVW-L-12-G 1/2"
L	315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27	EVW-L-15-G 1/2"
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	EVW-L-18-G 1/2"
L	160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36	EVW-L-22-G 3/4"
L	160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41	EVW-L-28-G 1"
L	160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50	EVW-L-35-G 1 1/4"
L	160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60	EVW-L-42-G 1 1/2"
S	630	06	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	EVW-S-06-G 1/4"
S	630	08	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	EVW-S-08-G 1/4"
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	EVW-S-10-G 3/8"
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	EVW-S-12-G 3/8"
S	630	12	G 1/2"	38	21,5	50,0	31,0	14	27	17	24	EVW-S-12-G 1/2"
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	EVW-S-14-G 1/2"
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	EVW-S-16-G 1/2"
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	EVW-S-20-G 3/4"
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	EVW-S-25-G 1"
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	EVW-S-30-G 1 1/4"
S	250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	EVW-S-38-G 1 1/2"

Einstellbare Winkel-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud type - pre-assembled
 Thread: metric - parallel
 Sealing by sealing shoulder form B



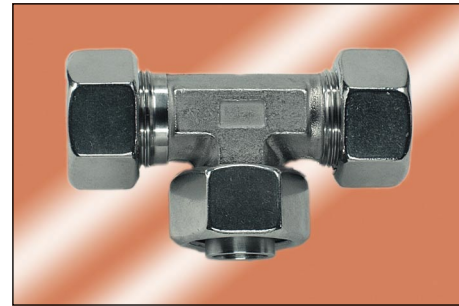
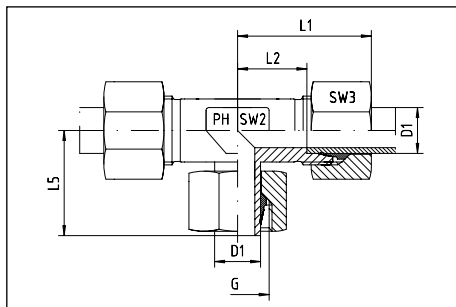
Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	EVW-L-06-M 10x1
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	EVW-L-08-M 12x1,5
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	EVW-L-10-M 14x1,5
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	EVW-L-12-M 16x1,5
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	EVW-L-15-M 18x1,5
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	EVW-L-18-M 22x1,5
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	EVW-L-22-M 26x1,5
L	160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41	EVW-L-28-M 33x2
L	160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50	EVW-L-35-M 42x2
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	EVW-L-42-M 48x2
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	EVW-S-06-M 12x1,5
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	EVW-S-08-M 14x1,5
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	EVW-S-10-M 16x1,5
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	EVW-S-12-M 18x1,5
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	EVW-S-14-M 20x1,5
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	EVW-S-16-M 22x1,5
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	EVW-S-20-M 27x2
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	EVW-S-25-M 33x2
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	EVW-S-30-M 42x2
S	250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	EVW-S-38-M 48x2

Einstellbare T-Verschraubungen
Einsteckausführung - vormontiert

Male stud type - pre-assembled



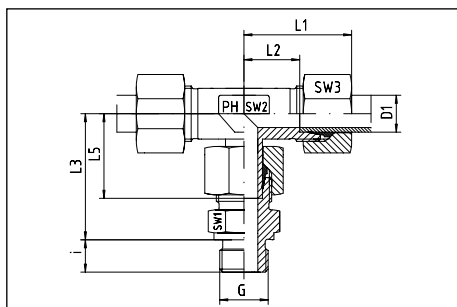
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	EVT-L-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	EVT-L-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	EVT-L-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	EVT-L-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	EVT-L-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	EVT-L-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	EVT-L-22
L	160	28	M 36 x 2	47	30,5	41,5	36	41	EVT-L-28
L	160	35	M 45 x 2	56	34,5	54,0	41	50	EVT-L-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	EVT-L-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	EVT-S-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	EVT-S-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	EVT-S-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	EVT-S-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	EVT-S-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	EVT-S-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	EVT-S-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	EVT-S-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	EVT-S-30
S	250	38	M 52 x 2	72	41,0	63,0	50	60	EVT-S-38

Einstellbare T-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud type - pre-assembled
 Thread: BSP - parallel
 Sealing by sealing shoulder form B



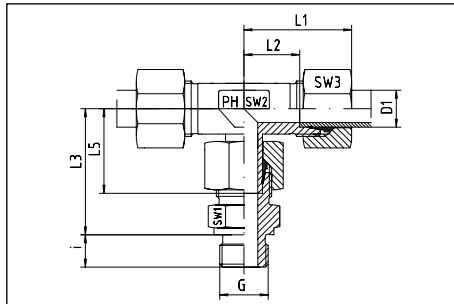
Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	EVT-L-06-G 1/8"
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	19	12	17	EVT-L-08-G 1/4"
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	EVT-L-10-G 1/4"
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	EVT-L-12-G 3/8"
L	315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27	EVT-L-15-G 1/2"
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	EVT-L-18-G 1/2"
L	160	22	G 3/4"	44	27,5	65,0	38,5	16	32	27	36	EVT-L-22-G 3/4"
L	160	28	G 1"	47	30,5	59,0	41,5	18	41	36	41	EVT-L-28-G 1"
L	160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50	EVT-L-35-G 1 1/4"
L	160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60	EVT-L-42-G 1 1/2"
S	630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	EVT-S-06-G 1/4"
S	630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	EVT-S-08-G 1/4"
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	EVT-S-10-G 3/8"
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	EVT-S-12-G 3/8"
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	EVT-S-14-G 1/2"
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	EVT-S-16-G 1/2"
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	EVT-S-20-G 3/4"
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	EVT-S-25-G 1"
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	EVT-S-30-G 1 1/4"
S	250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	EVT-S-38-G 1 1/2"

Einstellbare T-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud type - pre-assembled
 Thread: metric - parallel
 Sealing by sealing shoulder form B



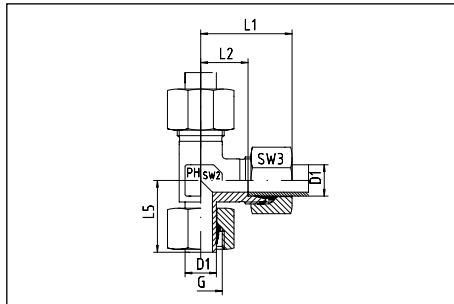
Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	EVT-L-06-M 10x1
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	EVT-L-08-M 12x1,5
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	EVT-L-10-M 14x1,5
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	EVT-L-12-M 16x1,5
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	EVT-L-15-M 18x1,5
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	EVT-L-18-M 22x1,5
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	EVT-L-22-M 26x1,5
L	160	28	M 33 x 2	47	30,5	59,0	41,5	18	41	36	41	EVT-L-28-M 33x2
L	160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50	EVT-L-35-M 42x2
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	EVT-L-42-M 48x2
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	EVT-S-06-M 12x1,5
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	EVT-S-08-M 14x1,5
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	EVT-S-10-M 16x1,5
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	EVT-S-12-M 18x1,5
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	EVT-S-14-M 20x1,5
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	EVT-S-16-M 22x1,5
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	EVT-S-20-M 27x2
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	EVT-S-25-M 33x2
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	EVT-S-30-M 42x2
S	250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	EVT-S-38-M 48x2

Einstellbare L-Verschraubungen
Einsteckausführung - vormontiert

Male stud type - pre-assembled



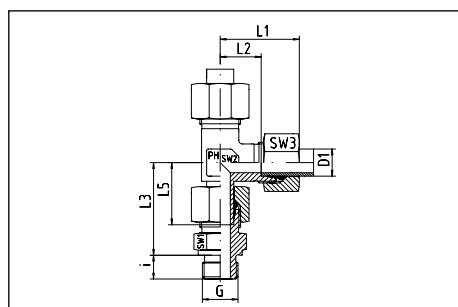
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	EVL-L-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	EVL-L-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	EVL-L-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	EVL-L-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	EVL-L-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	EVL-L-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	EVL-L-22
L	160	28	M 36 x 2	47	30,5	43,5	36	41	EVL-L-28
L	160	35	M 45 x 2	56	34,5	54,0	41	50	EVL-L-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	EVL-L-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	EVL-S-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	EVL-S-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	EVL-S-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	EVL-S-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	EVL-S-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	EVL-S-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	EVL-S-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	EVL-S-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	EVL-S-30
S	250	38	M 52 x 2	72	41,0	63,0	50	60	EVL-S-38

Einstellbare L-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

Male stud type - pre-assembled
 Thread: BSP - parallel
 Sealing by sealing shoulder form B



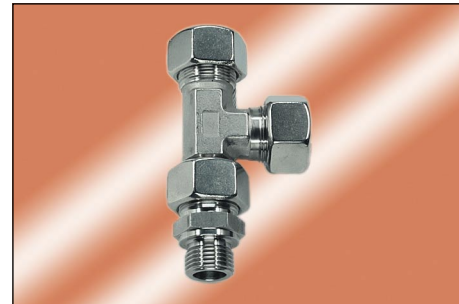
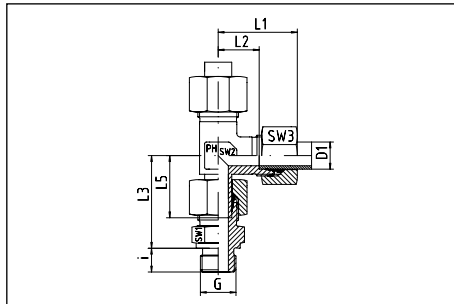
Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	EVL-L-06-G 1/8"
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	19	12	17	EVL-L-08-G 1/4"
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	EVL-L-10-G 1/4"
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	EVL-L-12-G 3/8"
L	315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27	EVL-L-15-G 1/2"
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	EVL-L-18-G 1/2"
L	160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36	EVL-L-22-G 3/4"
L	160	28	G 1"	47	30,5	61,0	43,5	18	41	36	41	EVL-L-28-G 1"
L	160	35	G 1 1/4"	56	34,5	71,5	54,0	20	50	41	50	EVL-L-35-G 1 1/4"
L	160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60	EVL-L-42-G 1 1/2"
S	630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	EVL-S-06-G 1/4"
S	630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	EVL-S-08-G 1/4"
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	EVL-S-10-G 3/8"
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	EVL-S-12-G 3/8"
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	EVL-S-14-G 1/2"
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	EVL-S-16-G 1/2"
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	EVL-S-20-G 3/4"
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	EVL-S-25-G 1"
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	EVL-S-30-G 1 1/4"
S	250	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	EVL-S-38-G 1 1/2"

Einstellbare L-Verschraubungen
 Einsteckausführung - vormontiert
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 Abdichtung durch Dichtkante Form B

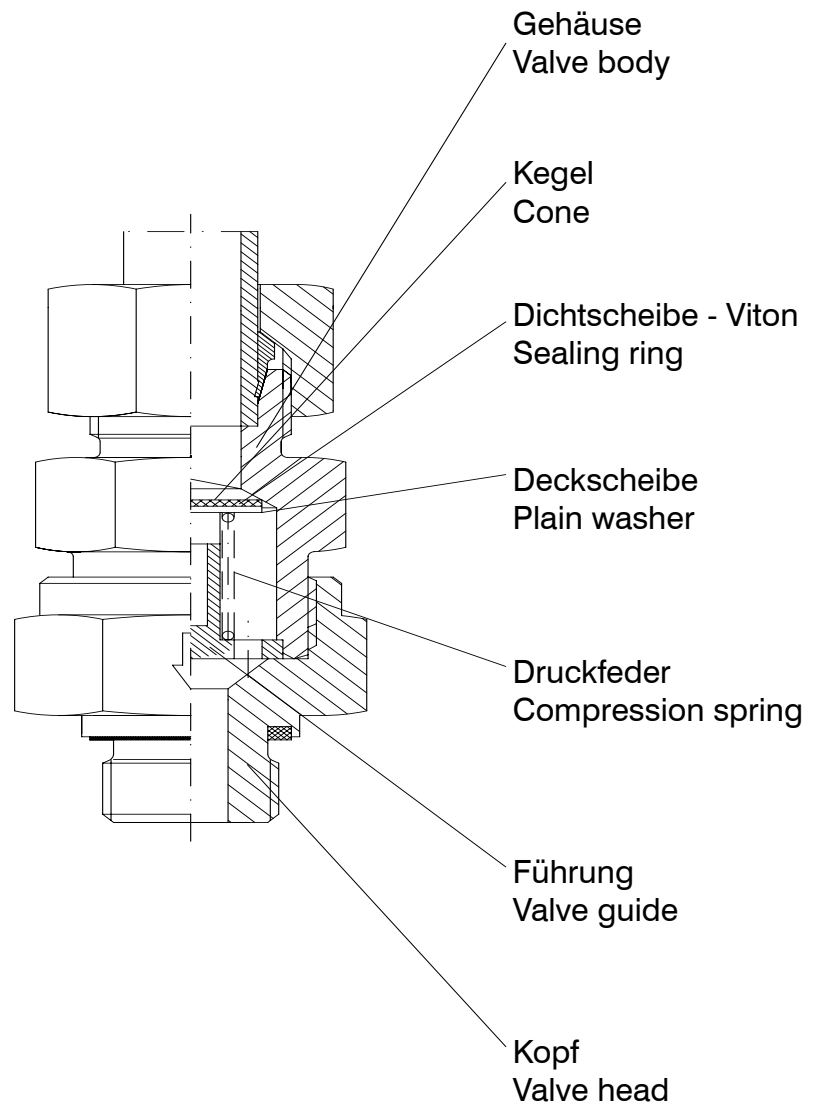
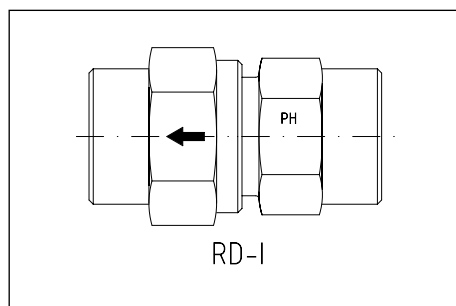
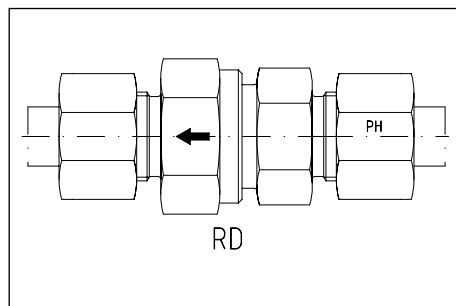
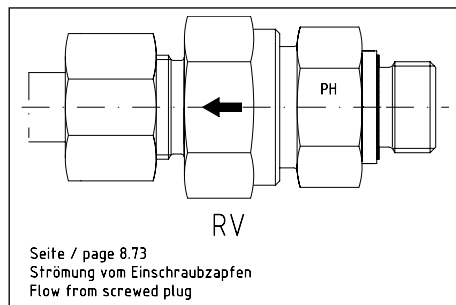
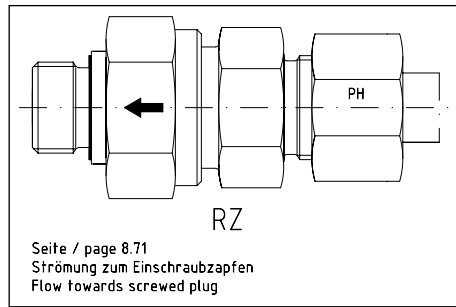
Male stud type - pre-assembled
 Thread: metric - parallel
 Sealing by sealing shoulder form B



Der Anschluß ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	EVL-L-06-M 10x1
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	EVL-L-08-M 12x1,5
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	EVL-L-10-M 14x1,5
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	EVL-L-12-M 16x1,5
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	EVL-L-15-M 18x1,5
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	EVL-L-18-M 22x1,5
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	EVL-L-22-M 26x1,5
L	160	28	M 33 x 2	47	30,5	61,0	43,5	18	41	36	41	EVL-L-28-M 33x2
L	160	35	M 42 x 2	56	34,5	71,5	54,0	20	50	41	50	EVL-L-35-M 42x2
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	EVL-L-42-M 48x2
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	EVL-S-06-M 12x1,5
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	EVL-S-08-M 14x1,5
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	EVL-S-10-M 16x1,5
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	EVL-S-12-M 18x1,5
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	EVL-S-14-M 20x1,5
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	EVL-S-16-M 22x1,5
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	EVL-S-20-M 27x2
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	EVL-S-25-M 33x2
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	EVL-S-30-M 42x2
S	250	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	EVL-S-38-M 48x2



Wichtige Merkmale

Unsere Kegel-Rückschlagventile werden serienmäßig mit einem Öffnungsdruck von 1 bar geliefert.

Abnormale Öffnungsdrücke von 0,2; 0,5; 2 und 3 bar sind auf Wunsch lieferbar, und werden dann dem Bestellzeichen nachgestellt.
(z.B. RD-L-12-0,5 bar)

Der Hub ist begrenzt. Der Durchflußquerschnitt wird nicht eingengt. Durchflußgeschwindigkeit max. 4-5 m/s. Die Ventile sind mit Strömungsrichtung und Öffnungsdruck gekennzeichnet.

Werkstoff: 1.4571
Andere Werkstoffe auf Anfrage.

Dichtungen aus Viton
(-20°C bis +200°C)

Important data

Our non-return valves are supplied with standard valve lift pressure 1 bar.

Valve lift alternative pressures are 0,2; 0,5; 2 and 3 bar, supplied on request.
(e.g. RD-L-12-0,5 bar)

The valve stroke is limited. The flow is 4-5 m/s. All valves are identified with flow direction and valve lift pressure.

Material: 1.4571
Other materials on request.

Viton seals temperature range
(-20°C to +200°C)

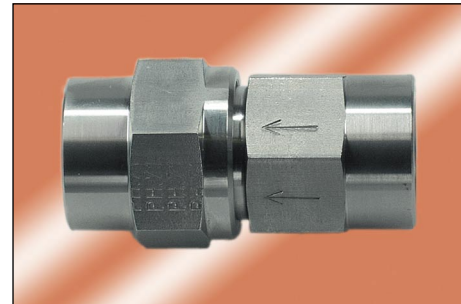
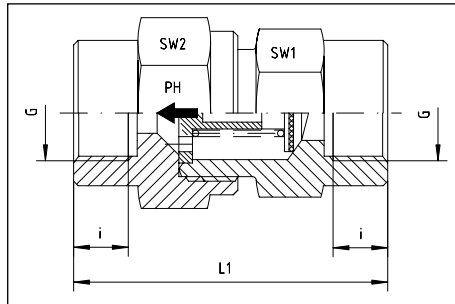
RÜCKSCHLAG-DURCHGANGS-VENTILE



NON-RETURN VALVES

beidseitiges Innengewinde
Whitworth-Rohrgewinde - zylindrisch
NPT-Gewinde

both sides inside thread
BSP - parallel
NPT - thread



Druck Pressure PB	Gewinde Thread G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
		L1	i	SW1	SW2	
400	G 1/8" BSP	42,5	8,0	17	17	RD-I-G 1/8"
400	G 1/4" BSP	54,0	12,0	19	19	RD-I-G 1/4"
400	G 3/8" BSP	60,0	12,0	24	27	RD-I-G 3/8"
400	G 1/2" BSP	71,0	15,0	32	36	RD-I-G 1/2"
400	G 3/4" BSP	84,0	16,5	41	46	RD-I-G 3/4"
400	G 1" BSP	94,5	19,0	46	50	RD-I-G 1"
250	G 1 1/4" BSP	110,0	21,5	55	60	RD-I-G 1 1/4"
250	G 1 1/2" BSP	114,5	22,0	65	70	RD-I-G 1 1/2"
250	G 2" BSP	120,0	26,0	75	75	RD-I-G 2"
400	1/8" NPT		11,6	17	17	RD-I-NPT-1/8"
400	1/4" NPT	57,5	16,4	19	19	RD-I-NPT-1/4"
400	3/8" NPT		17,4	24	27	RD-I-NPT-3/8"
400	1/2" NPT	78,0	22,6	32	36	RD-I-NPT-1/2"
400	3/4" NPT	84,5	23,1	41	46	RD-I-NPT-3/4"
400	1" NPT		27,8	46	50	RD-I-NPT-1"
250	1 1/4" NPT		28,3	55	60	RD-I-NPT-1 1/4"
250	1 1/2" NPT		28,3	65	70	RD-I-NPT-1 1/2"
250	2" NPT	120,0		75	75	RD-I-NPT-2"

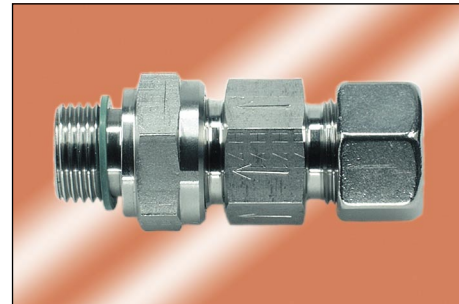
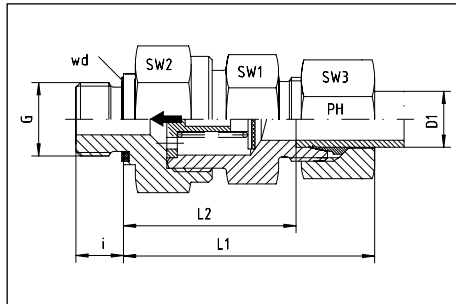
EINSCHRAUB-RÜCKSCHLAG-VENTILE



NON-RETURN VALVES

Einschraubgewinde G: metrisches Feingewinde - zylindrisch
 Einschraubzapfen mit Weichdichtung - Viton
 Strömung zum Einschraubzapfen

Thread G: metric - parallel
 Screwed plug with captive seal - Viton
 Flow towards screwed plug



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	SW1	SW2	SW3	
L	250	6	M 10 x 1	41	26,5	8	17	17	14	RZ-L-06-M 10x1 wd
L	250	8	M 12 x 1,5	43	28,5	12	19	17	17	RZ-L-08-M 12x1,5 wd
L	250	10	M 14 x 1,5	53	38,5	12	24	22	19	RZ-L-10-M 14x1,5 wd
L	250	12	M 16 x 1,5	55	40,5	12	30	27	22	RZ-L-12-M 16x1,5 wd
L	250	15	M 18 x 1,5	58	42,5	12	30	27	27	RZ-L-15-M 18x1,5 wd
L	160	18	M 22 x 1,5	64	48,0	14	36	36	32	RZ-L-18-M 22x1,5 wd
L	160	22	M 26 x 1,5	72	56,0	16	46	41	36	RZ-L-22-M 26x1,5 wd
L	100	28	M 33 x 2	81	64,0	18	55	50	41	RZ-L-28-M 33x2 wd
L	100	35	M 42 x 2	92	70,0	20	60	60	50	RZ-L-35-M 42x2 wd
L	100	42	M 48 x 2	104	71,5	22	70	65	60	RZ-L-42-M 48x2 wd
S	400	6	M 12 x 1,5	46	31,5	12	19	19	17	RZ-S-06-M 12x1,5 wd
S	400	8	M 14 x 1,5	46	31,5	12	22	19	19	RZ-S-08-M 14x1,5 wd
S	400	10	M 16 x 1,5	54	38,0	12	27	24	22	RZ-S-10-M 16x1,5 wd
S	400	12	M 18 x 1,5	57	41,0	12	30	27	24	RZ-S-12-M 18x1,5 wd
S	400	14	M 20 x 1,5	61	43,5	14	32	27	27	RZ-S-14-M 20x1,5 wd
S	400	16	M 22 x 1,5	64	46,0	14	36	32	30	RZ-S-16-M 22x1,5 wd
S	400	20	M 27 x 2	72	50,0	16	46	41	36	RZ-S-20-M 27x2 wd
S	250	25	M 33 x 2	79	54,5	18	50	46	46	RZ-S-25-M 33x2 wd
S	250	30	M 42 x 2	91	64,0	20	60	55	50	RZ-S-30-M 42x2 wd
S	250	38	M 48 x 2	102	71,5	22	70	65	60	RZ-S-38-M 48x2 wd

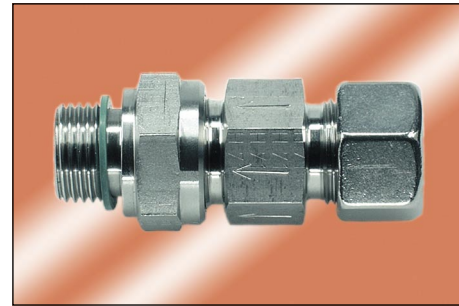
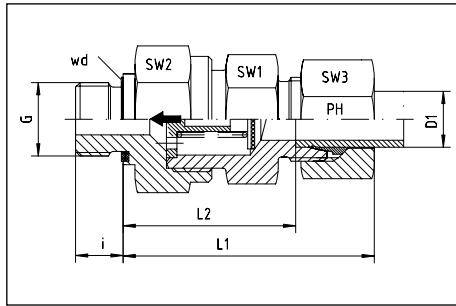
EINSCHRAUB-RÜCKSCHLAG-VENTILE



NON-RETURN VALVES

Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch
 Einschraubzapfen mit Weichdichtung - Viton
 Strömung zum Einschraubzapfen

Thread G: BSP - parallel
 Screwed plug with captive seal - Viton
 Flow towards screwed plug



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	SW1	SW2	SW3	
L	250	6	G 1/8"	41	26,5	8	17	17	14	RZ-L-06-G 1/8" wd
L	250	8	G 1/4"	43	28,5	12	19	17	17	RZ-L-08-G 1/4" wd
L	250	10	G 1/4"	53	38,5	12	24	22	19	RZ-L-10-G 1/4" wd
L	250	12	G 3/8"	55	40,5	12	30	27	22	RZ-L-12-G 3/8" wd
L	250	15	G 1/2"	58	42,5	14	30	27	27	RZ-L-15-G 1/2" wd
L	160	18	G 1/2"	64	48,0	14	36	36	32	RZ-L-18-G 1/2" wd
L	160	22	G 3/4"	72	56,0	16	46	41	36	RZ-L-22-G 3/4" wd
L	100	28	G 1"	81	64,0	18	55	50	41	RZ-L-28-G 1" wd
L	100	35	G 1 1/4"	92	70,0	20	60	60	50	RZ-L-35-G 1 1/4" wd
L	100	42	G 1 1/2"	104	71,5	22	70	65	60	RZ-L-42-G 1 1/2" wd
S	400	6	G 1/4"	46	31,5	12	19	19	17	RZ-S-06-G 1/4" wd
S	400	8	G 1/4"	46	31,5	12	22	19	19	RZ-S-08-G 1/4" wd
S	400	10	G 3/8"	54	38,0	12	27	24	22	RZ-S-10-G 3/8" wd
S	400	12	G 3/8"	57	41,0	12	30	27	24	RZ-S-12-G 3/8" wd
S	400	14	G 1/2"	61	43,5	14	32	27	27	RZ-S-14-G 1/2" wd
S	400	16	G 1/2"	64	46,0	14	36	32	30	RZ-S-16-G 1/2" wd
S	400	20	G 3/4"	72	50,0	16	46	41	36	RZ-S-20-G 3/4" wd
S	250	25	G 1"	79	54,5	18	50	46	46	RZ-S-25-G 1" wd
S	250	30	G 1 1/4"	91	64,0	20	60	55	50	RZ-S-30-G 1 1/4" wd
S	250	38	G 1 1/2"	102	71,5	22	70	65	60	RZ-S-38-G 1 1/2" wd

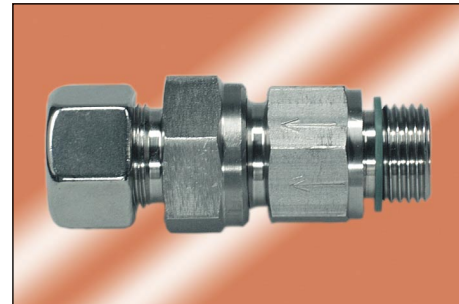
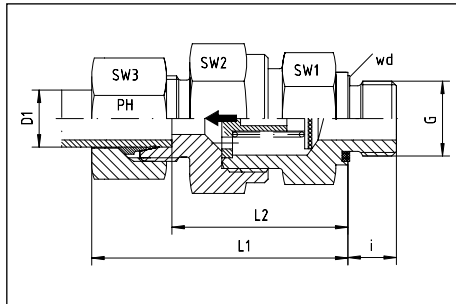
EINSCHRAUB-RÜCKSCHLAG-VENTILE



NON-RETURN VALVES

Einschraubgewinde G: metrisches Feingewinde - zylindrisch
 Einschraubzapfen mit Weichdichtung - Viton
 Strömung vom Einschraubzapfen

Thread G: metric - parallel
 Screwed plug with captive seal - Viton
 Flow from screwed plug



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	SW1	SW2	SW3	
L	250	6	M 10 x 1	43	28,0	8	17	17	14	RV-L-06-M 10x1 wd
L	250	8	M 12 x 1,5	44	29,0	12	17	19	17	RV-L-08-M 12x1,5 wd
L	250	10	M 14 x 1,5	53	38,5	12	22	24	19	RV-L-10-M 14x1,5 wd
L	250	12	M 16 x 1,5	57	42,5	12	27	30	22	RV-L-12-M 16x1,5 wd
L	250	15	M 18 x 1,5	61	45,5	12	27	30	27	RV-L-15-M 18x1,5 wd
L	160	18	M 22 x 1,5	66	50,0	14	36	36	32	RV-L-18-M 22x1,5 wd
L	160	22	M 26 x 1,5	71	55,0	16	41	46	36	RV-L-22-M 26x1,5 wd
L	100	28	M 33 x 2	80	63,0	18	50	55	41	RV-L-28-M 33x2 wd
L	100	35	M 42 x 2	91	69,0	20	60	60	50	RV-L-35-M 42x2 wd
L	100	42	M 48 x 2	104	71,5	22	65	70	60	RV-L-42-M 48x2 wd
S	400	6	M 12 x 1,5	46	31,5	12	19	19	17	RV-S-06-M 12x1,5 wd
S	400	8	M 14 x 1,5	46	31,5	12	19	22	19	RV-S-08-M 14x1,5 wd
S	400	10	M 16 x 1,5	54	38,0	12	24	27	22	RV-S-10-M 16x1,5 wd
S	400	12	M 18 x 1,5	57	41,0	12	27	30	24	RV-S-12-M 18x1,5 wd
S	400	14	M 20 x 1,5	62	44,5	14	27	32	27	RV-S-14-M 20x1,5 wd
S	400	16	M 22 x 1,5	66	48,0	14	32	36	30	RV-S-16-M 22x1,5 wd
S	400	20	M 27 x 2	74	52,0	16	41	46	36	RV-S-20-M 27x2 wd
S	250	25	M 33 x 2	79	54,5	18	46	50	46	RV-S-25-M 33x2 wd
S	250	30	M 42 x 2	91	64,0	20	55	60	50	RV-S-30-M 42x2 wd
S	250	38	M 48 x 2	100	69,5	22	65	70	60	RV-S-38-M 48x2 wd

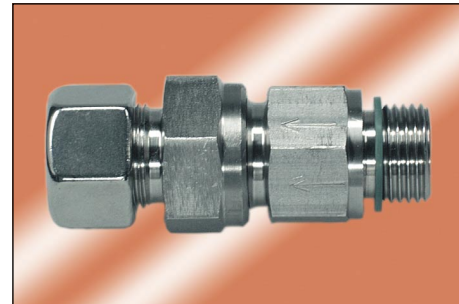
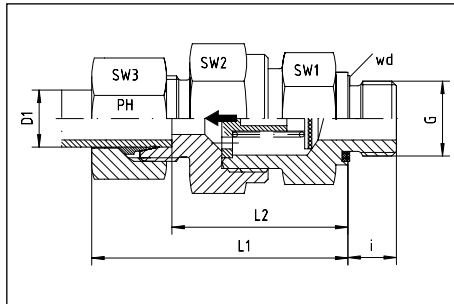
EINSCHRAUB-RÜCKSCHLAG-VENTILE



NON-RETURN VALVES

Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch
 Einschraubzapfen mit Weichdichtung - Viton
 Strömung vom Einschraubzapfen

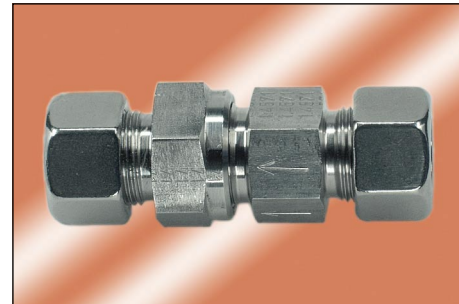
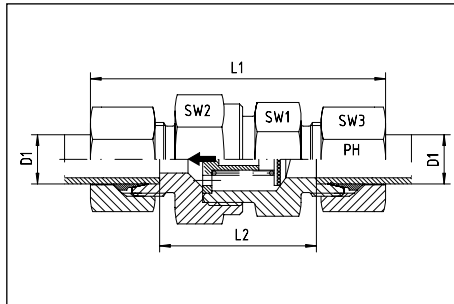
Thread G: BSP - parallel
 Screwed plug with captive seal - Viton
 Flow from screwed plug



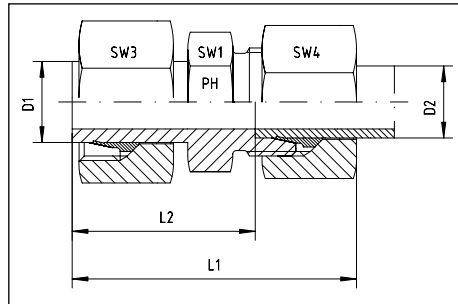
Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions						Bestellzeichen Order-Code
				L1	L2	i	SW1	SW2	SW3	
L	250	6	G 1/8"	43	28,0	8	17	17	14	RV-L-06-G 1/8" wd
L	250	8	G 1/4"	45	30,0	12	19	19	17	RV-L-08-G 1/4" wd
L	250	10	G 1/4"	53	38,5	12	22	24	19	RV-L-10-G 1/4" wd
L	250	12	G 3/8"	57	42,5	12	27	30	22	RV-L-12-G 3/8" wd
L	250	15	G 1/2"	61	45,5	14	27	30	27	RV-L-15-G 1/2" wd
L	160	18	G 1/2"	66	50,0	14	36	36	32	RV-L-18-G 1/2" wd
L	160	22	G 3/4"	71	55,0	16	41	46	36	RV-L-22-G 3/4" wd
L	100	28	G 1"	80	63,0	18	50	55	41	RV-L-28-G 1" wd
L	100	35	G 1 1/4"	91	69,0	20	60	60	50	RV-L-35-G 1 1/4" wd
L	100	42	G 1 1/2"	104	71,5	22	65	70	60	RV-L-42-G 1 1/2" wd
S	400	6	G 1/4"	46	31,5	12	19	19	17	RV-S-06-G 1/4" wd
S	400	8	G 1/4"	46	31,5	12	19	22	19	RV-S-08-G 1/4" wd
S	400	10	G 3/8"	54	38,0	12	24	27	22	RV-S-10-G 3/8" wd
S	400	12	G 3/8"	57	41,0	12	27	30	24	RV-S-12-G 3/8" wd
S	400	14	G 1/2"	62	44,5	14	27	32	27	RV-S-14-G 1/2" wd
S	400	16	G 1/2"	66	48,0	14	32	36	30	RV-S-16-G 1/2" wd
S	400	20	G 3/4"	74	52,0	16	41	46	36	RV-S-20-G 3/4" wd
S	250	25	G 1"	79	54,5	18	46	50	46	RV-S-25-G 1" wd
S	250	30	G 1 1/4"	91	64,0	20	55	60	50	RV-S-30-G 1 1/4" wd
S	250	38	G 1 1/2"	100	69,5	22	65	70	60	RV-S-38-G 1 1/2" wd

beiderseits Schneidringanschluß

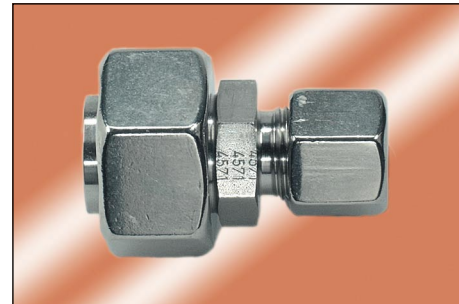
tube cutting ring connection both ends



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions					Bestellzeichen Order-Code
			L1	L2	SW1	SW2	SW3	
L	250	6	58	29,0	17	17	14	RD-L-06
L	250	8	59	30,0	17	19	17	RD-L-08
L	250	10	70	40,5	22	24	19	RD-L-10
L	250	12	73	43,5	27	30	22	RD-L-12
L	250	15	78	47,5	27	30	27	RD-L-15
L	160	18	84	51,5	36	36	32	RD-L-18
L	160	22	94	61,5	41	46	36	RD-L-22
L	100	28	103	69,5	50	55	41	RD-L-28
L	100	35	118	74,5	60	60	50	RD-L-35
L	100	42	122	74,0	65	70	60	RD-L-42
S	400	6	64	34,5	19	19	17	RD-S-06
S	400	8	64	34,5	19	22	19	RD-S-08
S	400	10	73	40,5	24	27	22	RD-S-10
S	400	12	75	42,5	27	30	24	RD-S-12
S	400	14	83	47,5	27	32	27	RD-S-14
S	400	16	87	50,5	32	36	30	RD-S-16
S	400	20	98	54,5	41	46	36	RD-S-20
S	250	25	107	58,5	46	50	46	RD-S-25
S	250	30	123	69,5	55	60	50	RD-S-30
S	250	38	140	75,5	65	70	60	RD-S-38

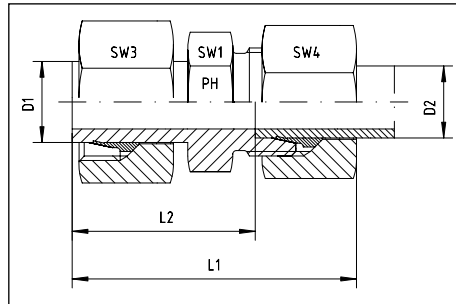


Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.

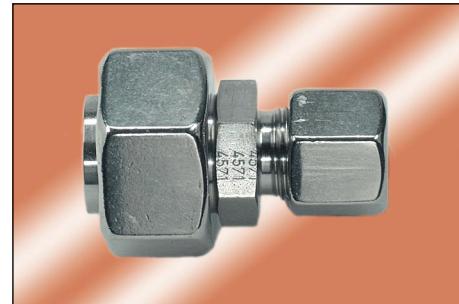


Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Rohr A.D. Tube O.D. D2	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW3	SW4	
S	630	8	6	47,0	32,0	14	19	17	KOR-S-08/06
S	630	10	6	48,0	33,0	14	22	17	KOR-S-10/06
S	630	10	8	48,0	33,0	17	22	19	KOR-S-10/08
S	630	12	6	50,0	35,0	14	24	17	KOR-S-12/06
S	630	12	8	50,0	35,0	17	24	19	KOR-S-12/08
S	630	12	10	51,0	34,5	19	24	22	KOR-S-12/10
S	630	14	6	50,0	35,0	17	27	17	KOR-S-14/06
S	630	14	8	50,0	35,0	17	27	19	KOR-S-14/08
S	630	14	10	51,0	34,5	19	27	22	KOR-S-14/10
S	630	14	12	51,0	34,5	22	27	24	KOR-S-14/12
S	400	16	6	54,0	39,0	17	30	17	KOR-S-16/06
S	400	16	8	54,0	39,0	17	30	19	KOR-S-16/08
S	400	16	10	55,0	38,5	19	30	22	KOR-S-16/10
S	400	16	12	55,0	38,5	22	30	24	KOR-S-16/12
S	400	16	14	58,0	40,0	22	30	27	KOR-S-16/14
S	400	20	6	58,5	43,5	22	36	17	KOR-S-20/06
S	400	20	8	58,5	43,5	22	36	19	KOR-S-20/08
S	400	20	10	59,5	43,0	22	36	22	KOR-S-20/10
S	400	20	12	59,5	43,0	22	36	24	KOR-S-20/12
S	400	20	14	60,5	42,5	22	36	27	KOR-S-20/14
S	400	20	16	63,0	44,5	24	36	30	KOR-S-20/16
S	400	25	6	59,0	44,0	27	46	17	KOR-S-25/06
S	400	25	8	59,0	44,0	27	46	19	KOR-S-25/08
S	400	25	10	61,0	44,5	27	46	22	KOR-S-25/10
S	400	25	12	63,0	46,5	27	46	24	KOR-S-25/12
S	400	25	14	64,0	46,0	27	46	27	KOR-S-25/14
S	400	25	16	67,0	48,5	27	46	30	KOR-S-25/16
S	400	25	20	70,0	48,5	30	46	36	KOR-S-25/20
S	400	30	6	69,0	54,0	32	50	17	KOR-S-30/06
S	400	30	8	69,0	54,0	32	50	19	KOR-S-30/08
S	400	30	10	70,0	53,5	32	50	22	KOR-S-30/10
S	400	30	12	70,0	53,5	32	50	24	KOR-S-30/12
S	400	30	14	71,0	53,0	32	50	27	KOR-S-30/14
S	400	30	16	73,0	54,5	32	50	30	KOR-S-30/16
S	400	30	20	76,0	54,5	32	50	36	KOR-S-30/20
S	400	30	25	81,5	57,5	36	50	46	KOR-S-30/25
S	250	38	6	70,0	55,0	41	60	17	KOR-S-38/06
S	250	38	8	70,0	55,0	41	60	19	KOR-S-38/08
S	250	38	10	71,0	54,5	41	60	22	KOR-S-38/10
S	250	38	12	71,0	54,5	41	60	24	KOR-S-38/12
S	250	38	14	74,0	56,0	41	60	27	KOR-S-38/14
S	250	38	16	74,0	55,5	41	60	30	KOR-S-38/16
S	250	38	20	79,0	57,5	41	60	36	KOR-S-38/20
S	250	38	25	84,0	60,0	41	60	46	KOR-S-38/25
S	250	38	30	87,0	60,5	46	60	50	KOR-S-38/30



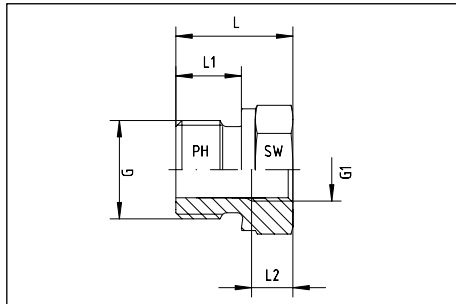
Anschluß D1 ist vormontiert. Die Fertigmontage erfolgt im Stutzen mit ca. 1/2 Umdrehung der Überwurfmutter über den Punkt des deutlich spürbaren Kraftanstieges.



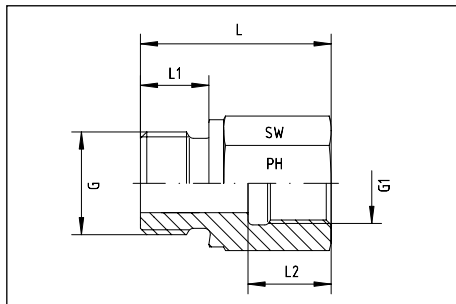
Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Rohr A.D. Tube O.D. D2	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	SW1	SW3	SW4	
L	315	8	6	43,5	25,5	12	17	14	KOR-L-08/06
L	315	10	6	44,0	29,0	12	19	14	KOR-L-10/06
L	315	10	8	44,0	29,0	14	19	17	KOR-L-10/08
L	315	12	6	44,0	29,0	14	22	14	KOR-L-12/06
L	315	12	8	44,0	29,0	14	22	17	KOR-L-12/08
L	315	12	10	45,0	30,0	17	22	19	KOR-L-12/10
L	315	15	6	45,5	30,5	17	27	14	KOR-L-15/06
L	315	15	8	45,5	30,5	17	27	17	KOR-L-15/08
L	315	15	10	46,5	31,5	17	27	19	KOR-L-15/10
L	315	15	12	46,5	31,5	19	27	22	KOR-L-15/12
L	315	18	6	47,5	32,5	19	32	14	KOR-L-18/06
L	315	18	8	47,5	32,5	19	32	17	KOR-L-18/08
L	315	18	10	48,0	33,0	19	32	19	KOR-L-18/10
L	315	18	12	48,0	33,0	19	32	22	KOR-L-18/12
L	315	18	15	49,0	34,0	22	32	27	KOR-L-18/15
L	160	22	6	50,0	35,0	24	36	14	KOR-L-22/06
L	160	22	8	50,0	35,0	24	36	17	KOR-L-22/08
L	160	22	10	51,0	36,0	24	36	19	KOR-L-22/10
L	160	22	12	51,0	36,0	24	36	22	KOR-L-22/12
L	160	22	15	52,0	37,0	24	36	27	KOR-L-22/15
L	160	22	18	53,0	36,5	27	36	32	KOR-L-22/18
L	160	28	6	50,0	35,0	30	41	14	KOR-L-28/06
L	160	28	8	50,0	35,0	30	41	17	KOR-L-28/08
L	160	28	10	51,0	36,0	30	41	19	KOR-L-28/10
L	160	28	12	51,0	36,0	30	41	22	KOR-L-28/12
L	160	28	15	52,0	37,0	30	41	27	KOR-L-28/15
L	160	28	18	54,0	37,5	30	41	32	KOR-L-28/18
L	160	28	22	55,5	39,0	30	41	36	KOR-L-28/22
L	160	35	6	58,0	43,0	36	50	14	KOR-L-35/06
L	160	35	8	58,0	43,0	36	50	17	KOR-L-35/08
L	160	35	10	59,0	44,0	36	50	19	KOR-L-35/10
L	160	35	12	59,0	44,0	36	50	22	KOR-L-35/12
L	160	35	15	60,0	45,0	36	50	27	KOR-L-35/15
L	160	35	18	61,0	44,5	36	50	32	KOR-L-35/18
L	160	35	22	63,0	46,5	36	50	36	KOR-L-35/22
L	160	35	28	63,0	46,5	41	50	41	KOR-L-35/28
L	160	42	6	59,0	44,0	36	60	14	KOR-L-42/06
L	160	42	8	59,0	44,0	46	60	17	KOR-L-42/08
L	160	42	10	60,0	45,0	46	60	19	KOR-L-42/10
L	160	42	12	60,0	45,0	46	60	22	KOR-L-42/12
L	160	42	15	61,0	46,0	46	60	27	KOR-L-42/15
L	160	42	18	59,0	44,0	46	60	32	KOR-L-42/18
L	160	42	22	63,0	46,5	46	60	36	KOR-L-42/22
L	160	42	28	64,0	47,5	46	60	41	KOR-L-42/28
L	160	42	35	69,0	47,5	46	60	50	KOR-L-42/35

beide Gewinde: Whitworth-Rohrgewinde - zylindrisch -
DIN / ISO 228
Abdichtung durch Dichtkante Form B

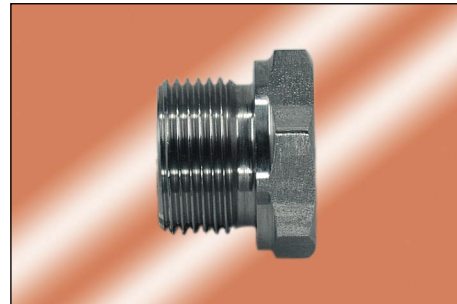


Form: A

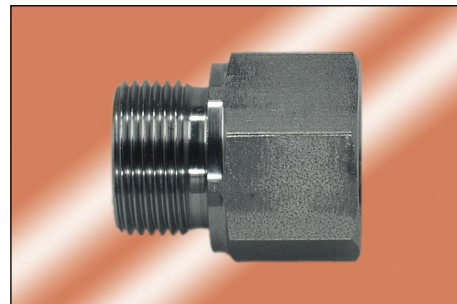


Form: B

both threads: BSP - parallel -
DIN / ISO 228
Sealing by sealing shoulder form B



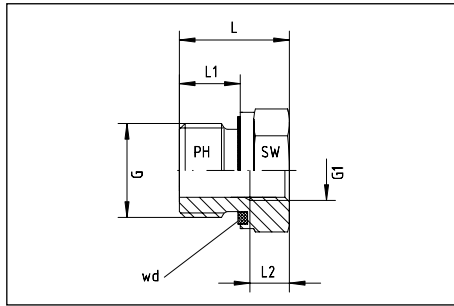
Form: A



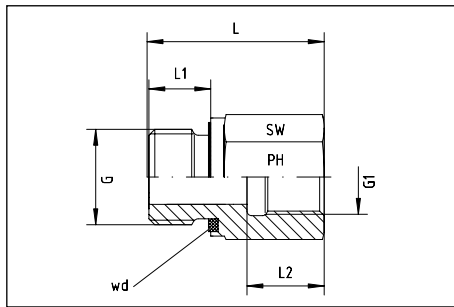
Form: B

Druck Pressure PN	Außengewinde Male thread G	Innengewinde Female thread G1	ca. Maße approx. dimensions				Form Form	Bestellzeichen Order-Code
			L	L1	L2	SW		
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B	GRI 1/8"x3/8"
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B	GRI 1/8"x1/4"
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B	GRI 1/4"x3/4"
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B	GRI 1/4"x1/2"
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B	GRI 1/4"x3/8"
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B	GRI 1/4"x1/8"
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B	GRI 3/8"x3/4"
630	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B	GRI 3/8"x1/2"
630	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B	GRI 3/8"x1/4"
630	G 3/8"	G 1/8"	22,5	12,0	8,0	22	A	GRI 3/8"x1/8"
250	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B	GRI 1/2"x1 1/4"
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B	GRI 1/2"x1"
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B	GRI 1/2"x3/4"
400	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B	GRI 1/2"x3/8"
400	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A	GRI 1/2"x1/4"
630	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A	GRI 1/2"x1/8"
250	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B	GRI 3/4"x1 1/2"
250	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B	GRI 3/4"x1 1/4"
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B	GRI 3/4"x1"
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B	GRI 3/4"x1/2"
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A	GRI 3/4"x3/8"
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A	GRI 3/4"x1/4"
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A	GRI 3/4"x1/8"
250	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B	GRI 1"x1 1/2"
250	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B	GRI 1"x1 1/4"
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B	GRI 1"x3/4"
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A	GRI 1"x1/2"
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A	GRI 1"x3/8"
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A	GRI 1"x1/4"
250	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B	GRI 1 1/4"x1 1/2"
250	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B	GRI 1 1/4"x1"
250	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A	GRI 1 1/4"x3/4"
250	G 1 1/4"	G 1/2"	32,0	20,0	14,0	60	A	GRI 1 1/4"x1/2"
250	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B	GRI 1 1/2"x1 1/4"
250	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A	GRI 1 1/2"x1"
250	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A	GRI 1 1/2"x3/4"
250	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A	GRI 1 1/2"x1/2"
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A	GRI 2"x1 1/2"
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A	GRI 2"x1 1/4"
250	G 2"	G 1"	42,0	22,5	18,5	70	A	GRI 2"x1"
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A	GRI 2"x3/4"

beide Gewinde: Whitworth-Rohrgewinde - zylindrisch -
DIN / ISO 228
wd = Abdichtung durch Profildichtung - Viton

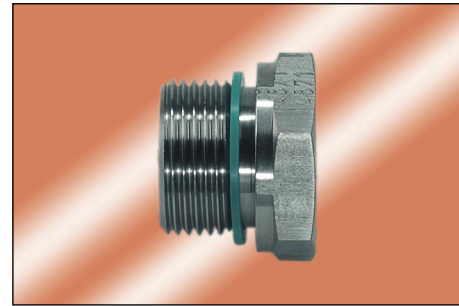


Form: A

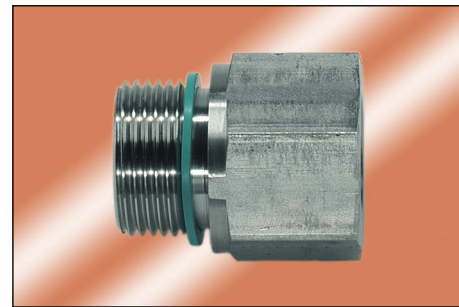


Form: B

both threads: BSP - parallel -
DIN / ISO 228
wd = Sealing by an elastomer profiled ring - Viton



Form: A

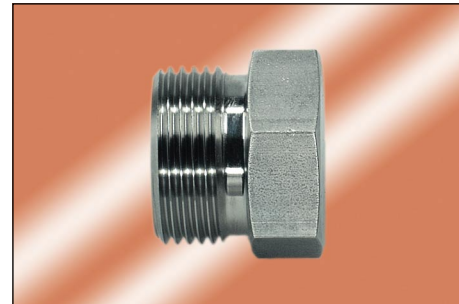
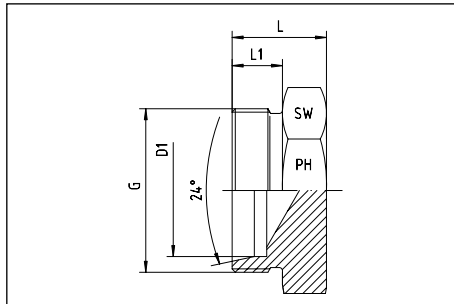


Form: B

Druck Pressure PN	Außengewinde Male thread G	Innengewinde Female thread G1	ca. Maße approx. dimensions				Form Form	Bestellzeichen Order-Code
			L	L1	L2	SW		
630	G 1/8"	G 3/8"	32,0	8,0	17,0	24	B	GRI 1/8" wd x 3/8"
630	G 1/8"	G 1/4"	31,0	8,0	17,0	19	B	GRI 1/8" wd x 1/4"
630	G 1/4"	G 3/4"	43,0	12,0	22,0	36	B	GRI 1/4" wd x 3/4"
630	G 1/4"	G 1/2"	40,0	12,0	20,0	27	B	GRI 1/4" wd x 1/2"
630	G 1/4"	G 3/8"	36,0	12,0	17,0	24	B	GRI 1/4" wd x 3/8"
630	G 1/4"	G 1/8"	28,0	12,0	12,0	19	B	GRI 1/4" wd x 1/8"
400	G 3/8"	G 3/4"	44,0	12,0	22,0	36	B	GRI 3/8" wd x 3/4"
630	G 3/8"	G 1/2"	41,0	12,0	20,0	27	B	GRI 3/8" wd x 1/2"
630	G 3/8"	G 1/4"	36,0	12,0	17,0	22	B	GRI 3/8" wd x 1/4"
630	G 3/8"	G 1/8"	22,5	12,0	8,0	22	A	GRI 3/8" wd x 1/8"
400	G 1/2"	G 1 1/4"	53,0	14,0	26,5	55	B	GRI 1/2" wd x 1 1/4"
400	G 1/2"	G 1"	49,0	14,0	24,5	41	B	GRI 1/2" wd x 1"
400	G 1/2"	G 3/4"	46,0	14,0	22,0	36	B	GRI 1/2" wd x 3/4"
400	G 1/2"	G 3/8"	36,0	14,0	17,0	27	B	GRI 1/2" wd x 3/8"
400	G 1/2"	G 1/4"	24,0	14,0	12,0	27	A	GRI 1/2" wd x 1/4"
630	G 1/2"	G 1/8"	24,0	14,0	8,0	27	A	GRI 1/2" wd x 1/8"
315	G 3/4"	G 1 1/2"	57,0	16,0	28,5	60	B	GRI 3/4" wd x 1 1/2"
400	G 3/4"	G 1 1/4"	55,0	16,0	26,5	55	B	GRI 3/4" wd x 1 1/4"
400	G 3/4"	G 1"	51,0	16,0	24,5	41	B	GRI 3/4" wd x 1"
400	G 3/4"	G 1/2"	41,0	16,0	20,0	32	B	GRI 3/4" wd x 1/2"
400	G 3/4"	G 3/8"	26,0	16,0	13,0	32	A	GRI 3/4" wd x 3/8"
400	G 3/4"	G 1/4"	26,0	16,0	12,0	32	A	GRI 3/4" wd x 1/4"
400	G 3/4"	G 1/8"	26,0	16,0	8,0	32	A	GRI 3/4" wd x 1/8"
315	G 1"	G 1 1/2"	59,0	18,0	28,5	60	B	GRI 1" wd x 1 1/2"
400	G 1"	G 1 1/4"	57,0	18,0	26,5	55	B	GRI 1" wd x 1 1/4"
400	G 1"	G 3/4"	47,0	18,0	22,0	41	B	GRI 1" wd x 3/4"
400	G 1"	G 1/2"	29,0	18,0	14,0	41	A	GRI 1" wd x 1/2"
400	G 1"	G 3/8"	29,0	18,0	12,0	41	A	GRI 1" wd x 3/8"
400	G 1"	G 1/4"	29,0	18,0	12,0	41	A	GRI 1" wd x 1/4"
315	G 1 1/4"	G 1 1/2"	60,0	20,0	28,5	60	B	GRI 1 1/4" wd x 1 1/2"
400	G 1 1/4"	G 1"	52,0	20,0	24,5	50	B	GRI 1 1/4" wd x 1"
400	G 1 1/4"	G 3/4"	32,0	20,0	16,0	50	A	GRI 1 1/4" wd x 3/4"
400	G 1 1/4"	G 1/2"	32,0	20,0	14,0	60	A	GRI 1 1/4" wd x 1/2"
315	G 1 1/2"	G 1 1/4"	58,0	22,0	26,5	55	B	GRI 1 1/2" wd x 1 1/4"
315	G 1 1/2"	G 1"	36,0	22,0	18,0	55	A	GRI 1 1/2" wd x 1"
315	G 1 1/2"	G 3/4"	36,0	22,0	16,0	55	A	GRI 1 1/2" wd x 3/4"
315	G 1 1/2"	G 1/2"	36,0	22,0	14,0	55	A	GRI 1 1/2" wd x 1/2"
250	G 2"	G 1 1/2"	42,0	22,5	18,5	70	A	GRI 2" wd x 1 1/2"
250	G 2"	G 1 1/4"	42,0	22,5	18,5	70	A	GRI 2" wd x 1 1/4"
250	G 2"	G 1"	42,0	22,5	18,5	70	A	GRI 2" wd x 1"
250	G 2"	G 3/4"	42,0	22,5	16,0	70	A	GRI 2" wd x 3/4"

mit 24°-Innenkonus für Rohrenden
Bohrungsform W DIN 3861

with 24°-cone for tube ends
Type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				L	L1	SW	
L	315	6	M 12 x 1,5	14	10	12	XROV-L-06
L	315	8	M 14 x 1,5	15	10	14	XROV-L-08
L	315	10	M 16 x 1,5	16	11	17	XROV-L-10
L	315	12	M 18 x 1,5	17	11	19	XROV-L-12
L	315	15	M 22 x 1,5	18	12	24	XROV-L-15
L	315	18	M 26 x 1,5	19	12	27	XROV-L-18
L	160	22	M 30 x 2	21	14	32	XROV-L-22
L	160	28	M 36 x 2	22	14	41	XROV-L-28
L	160	35	M 45 x 2	25	16	46	XROV-L-35
L	160	42	M 52 x 2	27	16	55	XROV-L-42
S	630	6	M 14 x 1,5	18	12	14	XROV-S-06
S	630	8	M 16 x 1,5	20	12	17	XROV-S-08
S	630	10	M 18 x 1,5	20	12	19	XROV-S-10
S	630	12	M 20 x 1,5	22	12	22	XROV-S-12
S	630	14	M 22 x 1,5	24	14	24	XROV-S-14
S	400	16	M 24 x 1,5	24	14	27	XROV-S-16
S	400	20	M 30 x 2	28	16	32	XROV-S-20
S	400	25	M 36 x 2	32	18	41	XROV-S-25
S	400	30	M 42 x 2	34	20	46	XROV-S-30
S	315	38	M 52 x 2	39	22	55	XROV-S-38

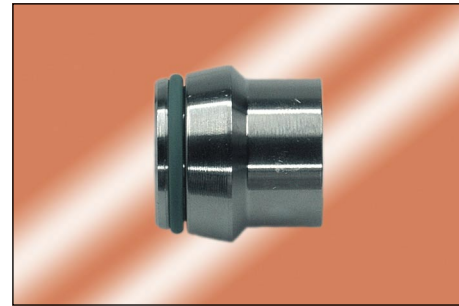
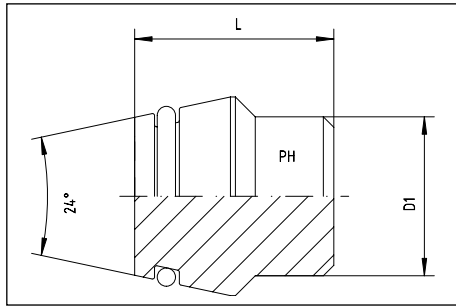
VKA - VERSCHLUßKEGEL



VKA - COUPLING PLUGS

mit O-Ring - NBR
für Bohrungsform W DIN 3861

with O-ring - NBR
for port end W DIN 3861

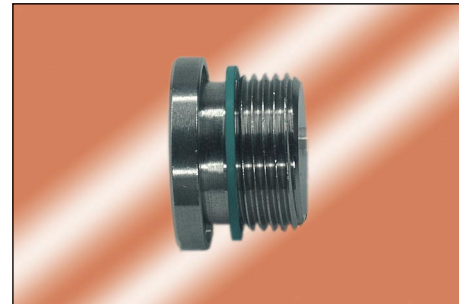
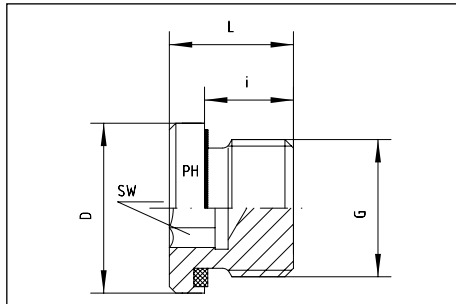


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	L	Bestellzeichen Order-Code
L	315	6	19,0	VKA-L-06
L	315	8	18,5	VKA-L-08
L	315	10	21,0	VKA-L-10
L	315	12	19,0	VKA-L-12
L	315	15	22,0	VKA-L-15
L	315	18	24,0	VKA-L-18
L	160	22	25,0	VKA-L-22
L	160	28	26,0	VKA-L-28
L	160	35	24,0	VKA-L-35
L	160	42	27,0	VKA-L-42
S	630	6	19,0	VKA-S-06
S	630	8	18,5	VKA-S-08
S	630	10	21,0	VKA-S-10
S	630	12	19,0	VKA-S-12
S	630	14	23,5	VKA-S-14
S	400	16	20,0	VKA-S-16
S	400	20	28,0	VKA-S-20
S	400	25	28,0	VKA-S-25
S	400	30	30,5	VKA-S-30
S	315	38	40,0	VKA-S-38

VST - VERSCHLUßSCHRAUBEN VST - SOCKET HEAD PORT PLUGS

mit Innensechskant und Weichdichtung - Viton - wd

with internal hex and soft seal - Viton - wd

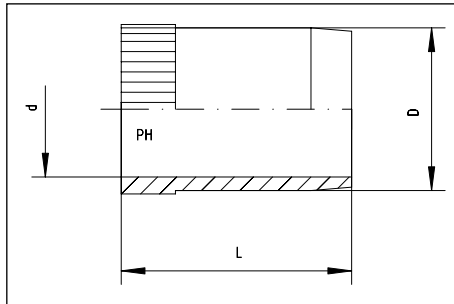


Druck Pressure PN	Metrisches Feingewinde - zylindrisch Thread: metric - parallel G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D	L	i	SW	
400	M 10 x 1	14	12,0	8	5	VST-M 10x1 wd
400	M 12 x 1,5	17	17,0	12	6	VST-M 12x1,5 wd
400	M 14 x 1,5	19	17,0	12	6	VST-M 14x1,5 wd
400	M 16 x 1,5	22	17,0	12	8	VST-M 16x1,5 wd
400	M 18 x 1,5	24	17,0	12	8	VST-M 18x1,5 wd
400	M 20 x 1,5	26	19,0	14	10	VST-M 20x1,5 wd
400	M 22 x 1,5	27	19,0	14	10	VST-M 22x1,5 wd
400	M 26 x 1,5	32	21,0	16	12	VST-M 26x1,5 wd
400	M 27 x 2	32	21,0	16	12	VST-M 27x2 wd
400	M 33 x 2	40	22,5	16	17	VST-M 33x2 wd
315	M 42 x 2	50	22,5	16	22	VST-M 42x2 wd
315	M 48 x 2	55	22,5	16	24	VST-M 48x2 wd

Druck Pressure PN	Whitworth-Rohrgewinde - zylindrisch Thread: BSP - parallel G	ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D	L	i	SW	
400	1/8"	14	12,0	8	5	VST-R 1/8" wd
400	1/4"	19	17,0	12	6	VST-R 1/4" wd
400	3/8"	22	17,0	12	8	VST-R 3/8" wd
400	1/2"	27	19,0	14	10	VST-R 1/2" wd
400	3/4"	32	21,0	16	12	VST-R 3/4" wd
400	1"	40	22,5	16	17	VST-R 1" wd
315	1 1/4"	50	22,5	16	22	VST-R 1 1/4" wd
315	1 1/2"	55	22,5	16	24	VST-R 1 1/2" wd

für dünnwandige Metallrohre

for thin-walled metal tubes

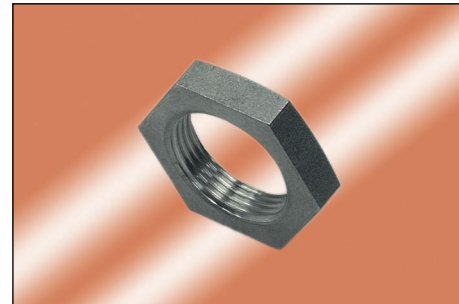
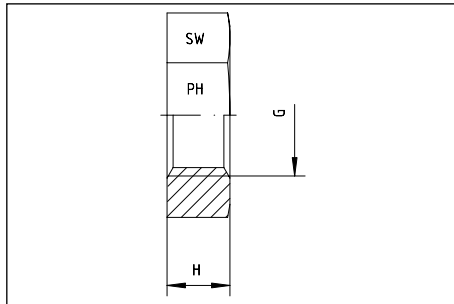


Rohr-Innendurchmesser Tube inside	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	D	d	L	
4	3,8	2,5	17,0	VSHü-04
5	4,8	3,5	17,0	VSHü-05
6	5,8	4,5	14,0	VSHü-06
7	6,8	5,5	17,0	VSHü-07
8	7,8	6,5	15,5	VSHü-08
9	8,8	7,5	17,0	VSHü-09
10	9,8	8,5	15,5	VSHü-10
11	10,8	9,5	17,0	VSHü-11
12	11,8	10,5	17,0	VSHü-12
13	12,8	11,5	17,0	VSHü-13
14	13,8	12,0	17,0	VSHü-14
15	14,8	13,0	18,0	VSHü-15
16	15,8	14,0	18,0	VSHü-16
17	16,8	15,0	20,0	VSHü-17
18	17,8	16,0	20,0	VSHü-18
19	18,8	17,0	20,0	VSHü-19
20	19,8	18,0	20,0	VSHü-20
21	20,8	19,0	21,5	VSHü-21
22	21,8	20,0	24,0	VSHü-22
23	22,8	21,0	24,0	VSHü-23
24	23,8	22,0	23,5	VSHü-24
25	24,8	23,0	23,5	VSHü-25
26	25,8	24,0	23,5	VSHü-26
30	29,8	27,8	26,5	VSHü-30
31	30,8	28,0	26,5	VSHü-31
32	31,8	29,5	26,5	VSHü-32
33	32,8	30,0	26,5	VSHü-33
38	37,8	35,0	26,5	VSHü-38

andere Größen auf Anfrage
other sizes on request

für Schottverschraubungen

for bulkhead couplings



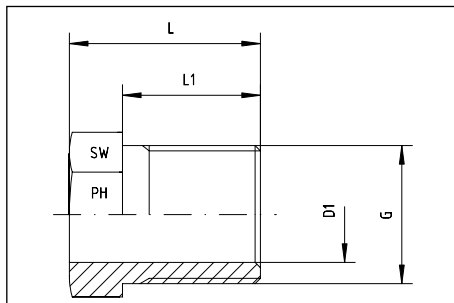
Gewinde Thread G	H	SW	Bestellzeichen Order-Code
M 12 x 1,5 = 06-L	6	17	GM 12x1,5
M 14 x 1,5 = 08-L + 06-S	6	19	GM 14x1,5
M 16 x 1,5 = 10-L + 08-S	6	22	GM 16x1,5
M 18 x 1,5 = 12-L + 10-S	6	24	GM 18x1,5
M 20 x 1,5 = 12-S	6	27	GM 20x1,5
M 22 x 1,5 = 15-L + 14-S	7	30	GM 22x1,5
M 24 x 1,5 = 16-S	7	32	GM 24x1,5
M 26 x 1,5 = 18-L	8	36	GM 26x1,5
M 30 x 2 = 22-L + 20-S	8	41	GM 30x2
M 36 x 2 = 28-L + 25-S	9	46	GM 36x2
M 42 x 2 = 30-S	9	50	GM 42x2
M 45 x 2 = 35-L	9	55	GM 45x2
M 52 x 2 = 42-L + 38-S	10	65	GM 52x2

ÜBERWURFSCHRAUBEN

INTERNAL COUPLING NUTS

Einschraubgewinde: metrisches Feingewinde - zylindrisch

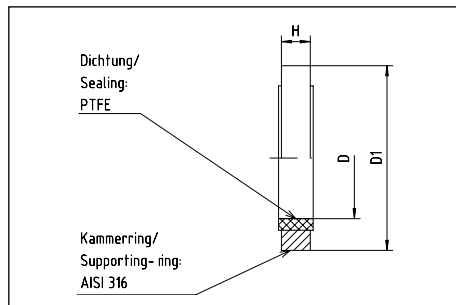
Thread: metric - parallel



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1 + Tol.	Gewinde Thread G	ca. Maße approx. dimensions			DIN 3871	Bestellzeichen Order-Code
				L	L1	SW		
LL	100	4	M 8 x 1	12	8,0	8	ALL 4	ÜWS-M 8x1
LL	100	6	M 10 x 1	13	9,0	10	ALL 6	ÜWS-M 10x1
LL	100	8	M 12 x 1	14	9,5	12	ALL 8	ÜWS-M 12x1
L	315	6	M 12 x 1,5	16	11,5	12	AL 6	ÜWS-M 12x1,5
L	315	8	M 14 x 1,5	16	11,5	14	AL 8	ÜWS-M 14x1,5
L	315	10	M 16 x 1,5	17	11,5	17	AL 10	ÜWS-M 16x1,5
L	315	12	M 18 x 1,5	18	12,0	19	AL 12	ÜWS-M 18x1,5

für Schwenkverschraubungen WHV / THV
für Einschraublöcher mit breiter Ausdehnung

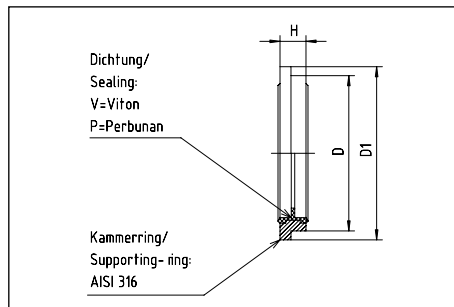
for banjo couplings WHV / THV
for wide spot faces of ports



Zu verwenden für: To use for: WHV / THV	Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	D1	H	
6 - LR KDR	G 1/8"	10,0	17,0	2,5	KDR 1/8"
8 - LR / 6 - SR KDR	G 1/4"	13,5	22,0	3,0	KDR 1/4"
10 - LR / 8 - SR KDR	G 1/4"	13,5	22,0	3,0	KDR 1/4"
12 - LR / 10 - SR KDR	G 3/8"	17,1	27,0	3,0	KDR 3/8"
12 - SR KDR	G 3/8"	17,1	27,0	3,0	KDR 3/8"
15 - LR / 14 - SR KDR	G 1/2"	21,4	32,0	4,5	KDR 1/2"
18 - LR / 16 - SR KDR	G 1/2"	21,4	32,0	4,5	KDR 1/2"
22 - LR / 20 - SR KDR	G 3/4"	26,8	41,0	3,5	KDR 3/4"
28 - LR / 25 - SR KDR	G 1"	33,5	46,0	3,5	KDR 1/33"
35 - LR / 30 - SR KDR	G 1 1/4"	42,4	57,0	3,5	KDR 1 1/4"/42
42 - LR / 38 - SR KDR	G 1 1/2"	48,4	64,0	3,5	KDR 1 1/2"/48
6 - LM KDR	M 10 x 1	10,3	17,0	2,5	KDR 10x1
8 - LM / 6 - SM KDR	M 12 x 1,5	12,3	22,0	3,0	KDR 12x1,5
10 - LM / 8 - SM KDR	M 14 x 1,5	14,3	22,5	3,0	KDR 14x1,5
12 - LM / 10 - SM KDR	M 16 x 1,5	16,4	27,0	3,0	KDR 16x1,5
15 - LM / 12 - SM KDR	M 18 x 1,5	18,4	29,0	3,0	KDR 18x1,5
14 - SM KDR	M 20 x 1,5	20,4	32,0	3,0	KDR 20x1,5
18 - LM / 16 - SM KDR	M 22 x 1,5	22,4	32,0	4,5	KDR 22x1,5
22 - LM	M 26 x 1,5	26,4	41,0	3,5	KDR 26x1,5
20 - SM KDR	M 27 x 2	27,4	41,0	3,5	KDR 27x2
28 - LM / 25 - SM KDR	M 33 x 2	33,5	46,0	3,5	KDR 33x2/1"
35 - LM / 30 - SM KDR	M 42 x 2	42,4	57,0	3,5	KDR 42x2/1 1/4"
42 - LM / 38 - SM KDR	M 48 x 2	48,4	64,0	3,5	KDR 48x2/1 1/2"

für Schwenkverschraubungen WHV / THV
für Einschraubblöcher mit breiter oder schmaler Ausdehnung
V = Viton
P = Perbunan

for banjo couplings WHV / THV
for wide and small spot faces of ports
V = Viton
P = Perbunan



Zu verwenden für: To use for: WHV / THV	Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
			D	D1	H	
6 - LM / LR	M 10 x 1	G 1/8"	14,9	16,0	2,5	KDW 10-V
6 - SM / 8 - LM	M 12 x 1,5		17,0	18,0	3,0	KDW 12-V
6 - SR		G 1/4"	18,9	20,0	3,0	KDW 14-V
8 - LR / SR / SM	M 14 x 1,5	G 1/4"	18,9	20,0	3,0	KDW 14-V
10 - LM / LR	M 14 x 1,5	G 1/4"	18,9	20,0	3,0	KDW 14-V
10 - SR / SM	M 16 x 1,5	G 3/8"	21,9	24,0	3,0	KDW 16-V
12 - LR / LM /SR	M 16 x 1,5	G 3/8"	21,9	24,0	3,0	KDW 16-V
12 - SM / 15 - LM	M 18 x 1,5		23,9	23,9	3,0	KDW 18-V
15 - LR / 14 - SR		G 1/2"	26,9	30,0	4,5	KDW 22-V
16 - SR / 16 - SM	M 22 x 1,5	G 1/2"	26,9	30,0	4,5	KDW 22-V
18 - LR / 18 - LM	M 22 x 1,5	G 1/2"	26,9	30,0	4,5	KDW 22-V
22 - LM	M 26 x 1,5		31,9	35,0	3,5	KDW 26-V
20 - SR / 20 - SM	M 27 x 2	G 3/4"	32,9	38,0	3,5	KDW 27-V
22 - LR		G 3/4"	32,9	38,0	3,5	KDW 27-V
25 - SR / 25 - SM	M 33 x 2	G 1"	39,9	42,0	3,5	KDW 33-V
28 - LR / 28 - LM	M 33 x 2	G 1"	39,9	42,0	3,5	KDW 33-V
30 - SR / 30 - SM	M 42 x 2	G 1 1/4"	49,9	49,9	3,5	KDW 42-V
35 - LR / 35 - LM	M 42 x 2	G 1 1/4"	49,9	49,9	3,5	KDW 42-V
38 - SR / 38 - SM	M 48 x 2	G 1 1/2"	55,9	60,0	3,5	KDW 48-V
42 - LR / 42 - LM	M 48 x 2	G 1 1/2"	55,9	60,0	3,5	KDW 48-V
6 - LM / LR	M 10 x 1	G 1/8"	14,9	16,0	2,5	KDW 10-P
6 - SM / 8 - LM	M 12 x 1,5		17,0	18,0	3,0	KDW 12-P
6 - SR		G 1/4"	18,9	20,0	3,0	KDW 14-P
8 - LR / SR / SM	M 14 x 1,5	G 1/4"	18,9	20,0	3,0	KDW 14-P
10 - LM / LR	M 14 x 1,5	G 1/4"	18,9	20,0	3,0	KDW 14-P
10 - SR / SM	M 16 x 1,5	G 3/8"	21,9	24,0	3,0	KDW 16-P
12 - LR / LM / SR	M 16 x 1,5	G 3/8"	21,9	24,0	3,0	KDW 16-P
12 - SM / 15 - LM	M 18 x 1,5		23,9	23,9	3,0	KDW 18-P
15 - LR / 14 - SR		G 1/2"	26,9	30,0	4,5	KDW 22-P
16 - SR / 16 - SM	M 22 x 1,5	G 1/2"	26,9	30,0	4,5	KDW 22-P
18 - LR / 18 - LM	M 22 x 1,5	G 1/2"	26,9	30,0	4,5	KDW 22-P
22 - LM	M 26 x 1,5		31,9	35,0	3,5	KDW 26-P
20 - SR / 20 - SM	M 27 x 2	G 3/4"	32,9	38,0	3,5	KDW 27-P
22 - LR		G 3/4"	32,9	38,0	3,5	KDW 27-P
25 - SR / 25 - SM	M 33 x 2	G 1"	39,9	42,0	3,5	KDW 33-P
28 - LR / 28 - LM	M 33 x 2	G 1"	39,9	42,0	3,5	KDW 33-P
30 - SR / 30 - SM	M 42 x 2	G 1 1/4"	49,9	49,9	3,5	KDW 42-P
35 - LR / 35 - LM	M 42 x 2	G 1 1/4"	49,9	49,9	3,5	KDW 42-P
38 - SR / 38 - SM	M 48 x 2	G 1 1/2"	55,9	60,0	3,5	KDW 48-P
42 - LR / 42 - LM	M 48 x 2	G 1 1/2"	55,9	60,0	3,5	KDW 48-P

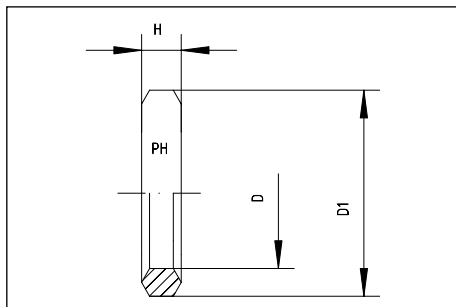
DKR - DICHTKANTENRINGE



DKR - SEAL EDGERINGS

für Schwenkverschraubungen WHV / THV
mit Außengewinde

for banjo couplings WHV / THV
with external thread



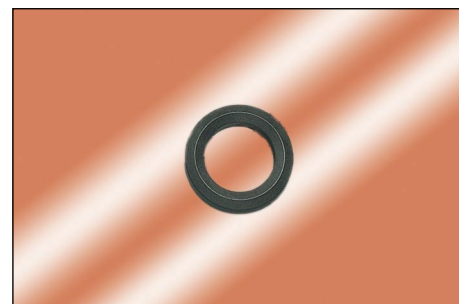
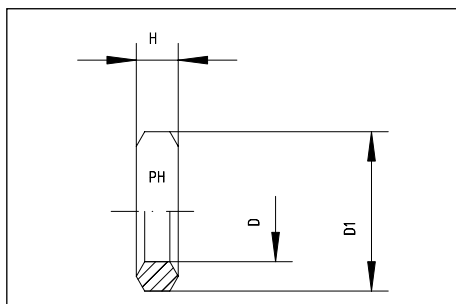
Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	D	D1	H	
G 1/8"	9,8	14	2,5	DKR-G 1/8"
G 1/4"	13,3	18	3,0	DKR-G 1/4"
G 3/8"	16,8	22	3,0	DKR-G 3/8"
G 1/2"	21,1	26	4,5	DKR-G 1/2"
G 3/4"	27,1	32	4,0	DKR-G 3/4"
G 1"	33,4	39	4,0	DKR-G 1"
G 1 1/4"	42,1	49	4,0	DKR-G 1 1/4"
G 1 1/2"	48,1	55	4,0	DKR-G 1 1/2"
M 10 x 1	10,0	14	2,5	DKR-M 10x1
M 12 x 1,5	12,1	17	3,0	DKR-M 12x1,5
M 14 x 1,5	14,1	19	3,0	DKR-M 14x1,5
M 16 x 1,5	16,1	21	3,0	DKR-M 16x1,5
M 18 x 1,5	18,1	23	3,0	DKR-M 18x1,5
M 20 x 1,5	20,1	25	3,0	DKR-M 20x1,5
M 22 x 1,5	22,1	27	3,0	DKR-M 22x1,5
M 26 x 1,5	26,1	31	3,0	DKR-M 26x1,5
M 27 x 2	27,1	32	4,0	DKR-M 27x2
M 33 x 2	33,1	39	4,0	DKR-M 33x2
M 42 x 2	42,1	49	4,0	DKR-M 42x2
M 48 x 2	48,1	55	4,0	DKR-M 48x2

DKRI - DICHTKANTENRINGE

DKRI - SEAL EDGERINGS

für Innengewinde

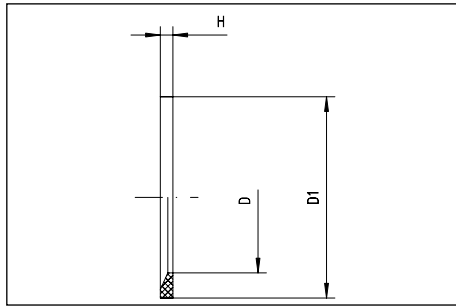
for internal threads



Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	D	D1	H	
G 1/4"	6	11,3	4,5	DKRi-G 1/4"
G 3/8"				DKRi-G 3/8"
G 1/2"	12	18,5	5,0	DKRi-G 1/2"
M 18 x 1,5				DKRi-M 18x1,5
M 20 x 1,5	12	17,5	5,0	DKRi-M 20x1,5

WEICHDICHTRINGE - WD

nach DIN 3869
aus FPM (Viton)
-20°C bis +200°C



SOFT SEAL RINGS - WD

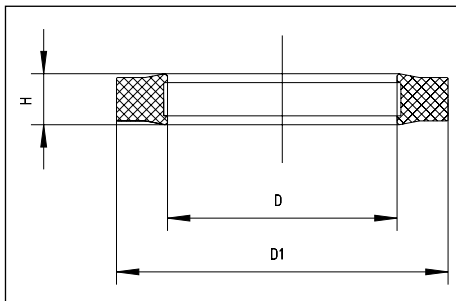
to DIN 3869
FPM (Viton)
-20°C to +200°C



Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	D1	H	
M 10 x 1	R 1/8"	8,4	11,9	1,0	WD 10x1/1/8"
M 12 x 1,5		9,8	14,4	1,5	WD 12x1,5
M 14 x 1,5	R 1/4"	11,6	16,5	1,5	WD 14x1,5/1/4"
M 16 x 1,5		13,8	18,9	1,5	WD 16x1,5
	R 3/8"	14,7	18,9	1,5	WD 3/8"
M 18 x 1,5		15,7	20,9	1,5	WD 18x1,5
M 20 x 1,5		17,8	22,9	1,5	WD 20x1,5
	R 1/2"	18,5	23,9	1,5	WD 1/2"
M 22 x 1,5		19,6	24,3	1,5	WD 22x1,5
M 26 x 1,5	R 3/4"	23,9	29,2	1,5	WD 26x1,5/3/4"
M 27 x 2	R 3/4"	23,9	29,2	1,5	WD 27x2/3/4"
M 33 x 2	R 1"	29,7	35,7	2,0	WD 33x2/1"
M 42 x 2	R 1 1/4"	38,8	45,8	2,0	WD 42x2/1 1/4"
M 48 x 2	R 1 1/2"	44,7	50,7	2,0	WD 48x2/1 1/2"

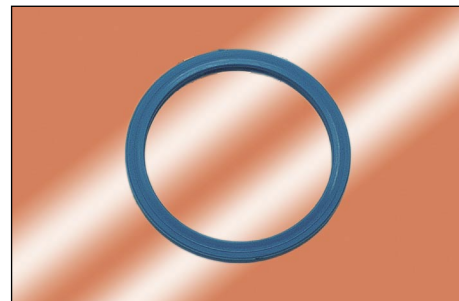
FLANSCHPROFILDICHTUNG

aus Polyurethane
-40°C bis +100°C
für Flansch SAE J 518 / ISO 6162



PROFILED FLANGE SEALING

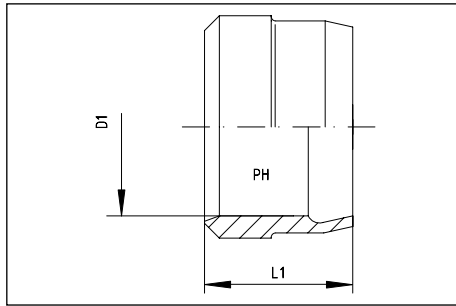
made from polyurethane
-40°C to +100°C
for flange SAE J 518 / ISO 6162



Flanschgröße Flange dimensions 3000 + 6000 PSI	Druck Pressure PN	ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D	D1	H	
1/2"	420	17,0	25,4	3,5	PU 1/2"
3/4"	420	23,4	31,8	3,5	PU 3/4"
1"	420	31,3	39,7	3,5	PU 1"
1 1/4"	420	36,1	44,5	3,5	PU 1 1/4"
1 1/2"	420	45,4	53,8	3,5	PU 1 1/2"
2"	420	55,0	63,4	3,5	PU 2"

gehärtet (carbonitriert)

hardened (carbonized)



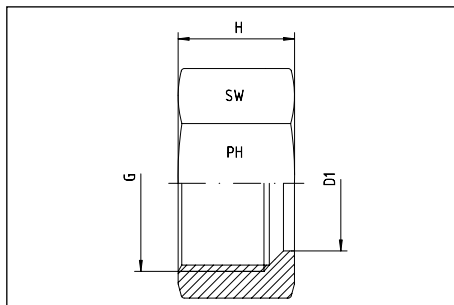
Rohr A.D. Tube O.D. D1	L1	DIN 3861	Bestellzeichen Order-Code
4	6,0	ALL 4	SR-LL-04/1 K
6	7,0	ALL 6	SR-LL-06/1 K
8	7,0	ALL 8	SR-LL-08/1 K
6	9,0	BL 6	SR-L-06/2 K
8	9,0	BL 8	SR-L-08/2 K
10	9,5	BL 10	SR-L-10/2 K
12	10,0	BL 12	SR-L-12/2 K
15	10,0	BL 15	SR-L-15/2 K
18	10,0	BL 18	SR-L-18/2 K
22	11,0	BL 22	SR-L-22/2 K
28	11,0	BL 28	SR-L-28/2 K
35	13,5	BL 35	SR-L-35/2 K
42	13,5	BL 42	SR-L-42/2 K
6	9,0	BS 6	SR-S-06/2 K
8	9,0	BS 8	SR-S-08/2 K
10	9,5	BS 10	SR-S-10/2 K
12	10,0	BS 12	SR-S-12/2 K
14	9,5	BS 14	SR-S-14/2 K
16	10,0	BS 16	SR-S-16/2 K
20	11,5	BS 20	SR-S-20/2 K
25	12,5	BS 25	SR-S-25/2 K
30	12,5	BS 30	SR-S-30/2 K
38	13,5	BS 38	SR-S-38/2 K

Die Typen LL sind Einkanten-Schneidringe
The types LL are one-bite cutting rings

Auf Anfrage: Schneidringe mit zusätzlicher Weichdichtung
On request: Cutting rings with soft seal

DIN 3870 + DIN EN ISO 8434-1
für Schneidringanschluß

DIN 3870 + DIN EN ISO 8434-1
for cutting ring connection



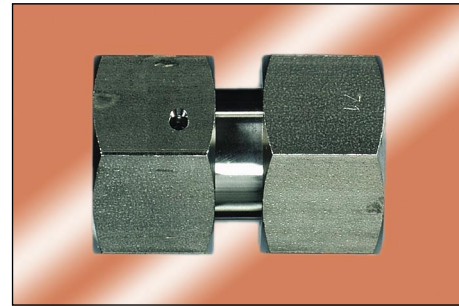
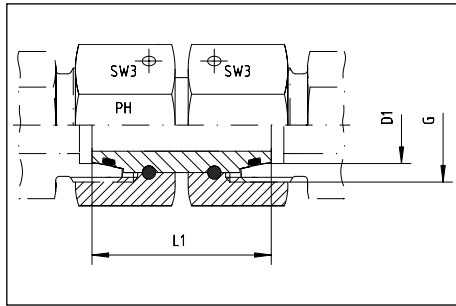
Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions		DIN 3870	ISO 8434-1	Bestellzeichen Order-Code
		SW	H			
4	M 8 x 1	10	11,0	ALL 4		ÜWM-LL-04
6	M 10 x 1	10	11,0	ALL 6		ÜWM-LL-06
8	M 12 x 1	14	12,0	ALL 8		ÜWM-LL-08
6	M 12 x 1,5	14	14,5		N-L 6	ÜWM-L-06
8	M 14 x 1,5	17	14,5		N-L 8	ÜWM-L-08
10	M 16 x 1,5	19	15,5		N-L 10	ÜWM-L-10
12	M 18 x 1,5	22	15,5		N-L 12	ÜWM-L-12
15	M 22 x 1,5	27	17,0		N-L 15	ÜWM-L-15
18	M 26 x 1,5	32	18,0		N-L 18	ÜWM-L-18
22	M 30 x 2	36	20,0		N-L 22	ÜWM-L-22
28	M 36 x 2	41	21,0		N-L 28	ÜWM-L-28
35	M 45 x 2	50	24,0		N-L 35	ÜWM-L-35
42	M 52 x 2	60	24,0		N-L 42	ÜWM-L-42
6	M 14 x 1,5	17	16,5		N-S 6	ÜWM-S-06
8	M 16 x 1,5	19	16,5		N-S 8	ÜWM-S-08
10	M 18 x 1,5	22	17,5		N-S 10	ÜWM-S-10
12	M 20 x 1,5	24	17,5		N-S 12	ÜWM-S-12
14	M 22 x 1,5	27	20,5		N-S 14	ÜWM-S-14
16	M 24 x 1,5	30	20,5		N-S 16	ÜWM-S-16
20	M 30 x 2	36	24,0		N-S 20	ÜWM-S-20
25	M 36 x 2	46	27,0		N-S 25	ÜWM-S-25
30	M 42 x 2	50	29,0		N-S 30	ÜWM-S-30
38	M 52 x 2	60	32,5		N-S 38	ÜWM-S-38

DICHTKEGEL-VERSCHRAUBUNGEN MIT 24°-KEGEL UND O-RING - VITON - DIN EN ISO 8434-4 CONE SEALING COUPLINGS WITH 24°-CONE AND O-RING - VITON - DIN EN ISO 8434-4

GERADE VERSCHRAUBUNGEN - GV - DKO - DKO	SWIVEL UNIONS - GV - DKO - DKO	9.3
GERADE REDUZIERUNGEN - GVR - DKO - DKO	STRAIGHT REDUCERS - GVR - DKO - DKO	9.4
GERADE REDUZIERUNGEN - GVR - DKO - DKO	STRAIGHT REDUCERS - GVR - DKO - DKO	9.5
EW - VERSCHRAUBUNGEN	ADJUSTABLE STUD ELBOWS	9.6
EW - VERSCHRAUBUNGEN	ADJUSTABLE STUD ELBOWS	9.7
EW - VERSCHRAUBUNGEN	ADJUSTABLE STUD ELBOWS	9.8
ET - VERSCHRAUBUNGEN	ADJUSTABLE STUD BRANCH TEES	9.9
ET - VERSCHRAUBUNGEN	ADJUSTABLE STUD BRANCH TEES	9.10
ET - VERSCHRAUBUNGEN	ADJUSTABLE STUD BRANCH TEES	9.11
EL - VERSCHRAUBUNGEN	ADJUSTABLE STUD BARREL TEES	9.12
EL - VERSCHRAUBUNGEN	ADJUSTABLE STUD BARREL TEES	9.13
EL - VERSCHRAUBUNGEN	ADJUSTABLE STUD BARREL TEES	9.14
REDUZIER-VERSCHRAUBUNGEN - RED - DKO	REDUCING COUPLINGS - RED - DKO	9.15
REDUZIER-VERSCHRAUBUNGEN - RED - DKO	REDUCING COUPLINGS - RED - DKO	9.16
GERADE EINSCHRAUBSTUTZEN - EGE - METRISCH - ZYLINDRISCH	EGE - SWIVEL CONNECTORS - METRIC - PARALLEL	9.17
GERADE EINSCHRAUBSTUTZEN - EGE - WHITWORTH - ZYLINDRISCH	EGE - SWIVEL CONNECTORS - BSP - PARALLEL	9.18
GERADE EINSCHRAUBSTUTZEN - EGE - NPT	EGE - SWIVEL-CONNECTORS - NPT	9.19
MANOMETER-VERSCHRAUBUNGEN	GAUGE SWIVEL CONNECTORS	9.20

mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861

with taper and O-ring - Viton
for type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions		Bestellzeichen Order-Code
				L1	SW3	
L	315	6	M 12 x 1,5	38,0	14	GV-DKOL-06
L	315	8	M 14 x 1,5	39,5	17	GV-DKOL-08
L	315	10	M 16 x 1,5	39,5	19	GV-DKOL-10
L	315	12	M 18 x 1,5	39,5	22	GV-DKOL-12
L	315	15	M 22 x 1,5	42,5	27	GV-DKOL-15
L	315	18	M 26 x 1,5	43,0	32	GV-DKOL-18
L	160	22	M 30 x 2	47,7	36	GV-DKOL-22
L	160	28	M 36 x 2	49,7	41	GV-DKOL-28
L	160	35	M 45 x 2	57,0	50	GV-DKOL-35
L	160	42	M 52 x 2	57,5	60	GV-DKOL-42
S	630	6	M 14 x 1,5	39,5	17	GV-DKOS-06
S	630	8	M 16 x 1,5	39,7	19	GV-DKOS-08
S	630	10	M 18 x 1,5	41,7	22	GV-DKOS-10
S	630	12	M 20 x 1,5	42,2	24	GV-DKOS-12
S	630	14	M 22 x 1,5	45,7	27	GV-DKOS-14
S	400	16	M 24 x 1,5	45,2	30	GV-DKOS-16
S	400	20	M 30 x 2	56,5	36	GV-DKOS-20
S	400	25	M 36 x 2	60,5	46	GV-DKOS-25
S	400	30	M 42 x 2	62,5	50	GV-DKOS-30
S	315	38	M 52 x 2	68,0	60	GV-DKOS-38

GERADE REDUZIERUNGEN



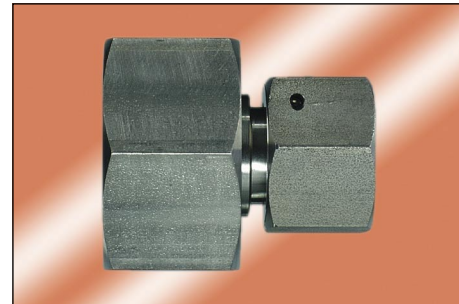
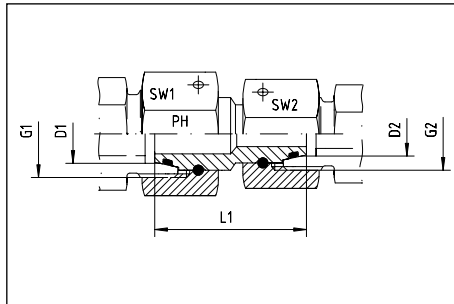
STRAIGHT REDUCERS

beide Seiten mit drehbarer Mutter - DKO

mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861

both sides with swivel nut - DKO

with taper and O-ring - Viton
for type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D1	D2	G1	G2	L1	SW1	SW2	
L	315	8	6	M 14 x 1,5	M 12 x 1,5		17	14	GVR-DKO-08-L/06-L
L	315	10	6	M 16 x 1,5	M 12 x 1,5		19	14	GVR-DKO-10-L/06-L
L	315	10	8	M 16 x 1,5	M 14 x 1,5		19	17	GVR-DKO-10-L/08-L
L	315	12	6	M 18 x 1,5	M 12 x 1,5		22	14	GVR-DKO-12-L/06-L
L	315	12	8	M 18 x 1,5	M 14 x 1,5		22	17	GVR-DKO-12-L/08-L
L	315	12	10	M 18 x 1,5	M 16 x 1,5		22	19	GVR-DKO-12-L/10-L
L	315	15	8	M 22 x 1,5	M 14 x 1,5		27	17	GVR-DKO-15-L/08-L
L	315	15	10	M 22 x 1,5	M 16 x 1,5		27	19	GVR-DKO-15-L/10-L
L	315	15	12	M 22 x 1,5	M 18 x 1,5		27	22	GVR-DKO-15-L/12-L
L	315	18	10	M 26 x 1,5	M 16 x 1,5		32	19	GVR-DKO-18-L/10-L
L	315	18	12	M 26 x 1,5	M 18 x 1,5		32	22	GVR-DKO-18-L/12-L
L	315	18	15	M 26 x 1,5	M 22 x 1,5		32	27	GVR-DKO-18-L/15-L
L	160	22	12	M 30 x 2	M 18 x 1,5		36	22	GVR-DKO-22-L/12-L
L	160	22	15	M 30 x 2	M 22 x 1,5		36	27	GVR-DKO-22-L/15-L
L	160	22	18	M 30 x 2	M 26 x 1,5		36	32	GVR-DKO-22-L/18-L
L	160	28	15	M 36 x 2	M 22 x 1,5		41	27	GVR-DKO-28-L/15-L
L	160	28	18	M 36 x 2	M 26 x 1,5		41	32	GVR-DKO-28-L/18-L
L	160	28	22	M 36 x 2	M 30 x 2		41	36	GVR-DKO-28-L/22-L
L	160	35	18	M 45 x 2	M 26 x 1,5		50	32	GVR-DKO-35-L/18-L
L	160	35	22	M 45 x 2	M 30 x 2		50	36	GVR-DKO-35-L/22-L
L	160	35	28	M 45 x 2	M 36 x 2		50	41	GVR-DKO-35-L/28-L
L	160	42	22	M 52 x 2	M 30 x 2		60	36	GVR-DKO-42-L/22-L
L	160	42	28	M 52 x 2	M 36 x 2		60	41	GVR-DKO-42-L/28-L
L	160	42	35	M 52 x 2	M 45 x 2		60	50	GVR-DKO-42-L/35-L
S	630	8	6	M 16 x 1,5	M 14 x 1,5		19	17	GVR-DKO-08-S/06-S
S	630	10	6	M 18 x 1,5	M 14 x 1,5		22	17	GVR-DKO-10-S/06-S
S	630	10	8	M 18 x 1,5	M 16 x 1,5		22	19	GVR-DKO-10-S/08-S
S	630	12	6	M 20 x 1,5	M 14 x 1,5		24	17	GVR-DKO-12-S/06-S
S	630	12	8	M 20 x 1,5	M 16 x 1,5		24	19	GVR-DKO-12-S/08-S
S	630	12	10	M 20 x 1,5	M 18 x 1,5		24	22	GVR-DKO-12-S/10-S
S	400	16	10	M 24 x 1,5	M 18 x 1,5		30	22	GVR-DKO-16-S/10-S
S	400	16	12	M 24 x 1,5	M 20 x 1,5		30	24	GVR-DKO-16-S/12-S
S	400	20	12	M 30 x 2	M 20 x 1,5		36	24	GVR-DKO-20-S/12-S
S	400	20	16	M 30 x 2	M 24 x 1,5		36	30	GVR-DKO-20-S/16-S
S	400	25	16	M 36 x 2	M 24 x 1,5		46	30	GVR-DKO-25-S/16-S
S	400	25	20	M 36 x 2	M 30 x 2		46	36	GVR-DKO-25-S/20-S
S	400	30	20	M 42 x 2	M 30 x 2		50	36	GVR-DKO-30-S/20-S
S	400	30	25	M 42 x 2	M 36 x 2		50	46	GVR-DKO-30-S/25-S
S	315	38	20	M 52 x 2	M 30 x 2		60	36	GVR-DKO-38-S/20-S
S	315	38	25	M 52 x 2	M 36 x 2		60	46	GVR-DKO-38-S/25-S
S	315	38	30	M 52 x 2	M 42 x 2		60	50	GVR-DKO-38-S/30-S

GERADE REDUZIERUNGEN



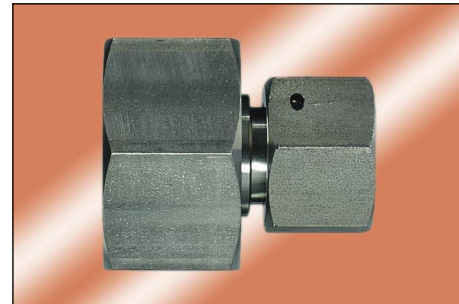
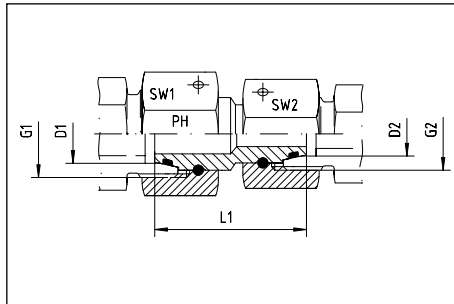
STRAIGHT REDUCERS

beide Seiten mit drehbarer Mutter - DKO

mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861

both sides with swivel nut - DKO

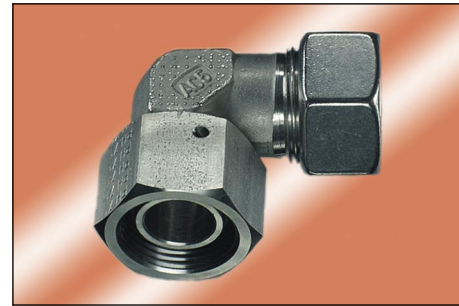
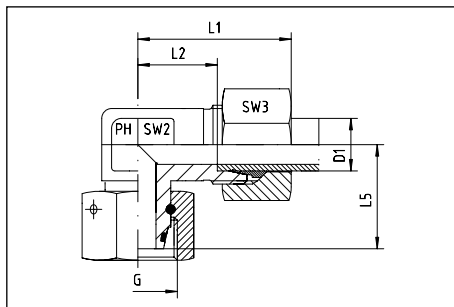
with taper and O-ring - Viton
for type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D1	D2	G1	G2	L1	SW1	SW2	
L / S	315	6	6	M 14 x 1,5	M 12 x 1,5		17	14	GVR-DKO-06-L/06-S
L / S	315	8	8	M 16 x 1,5	M 14 x 1,5		19	17	GVR-DKO-08-L/08-S
L / S	315	8	6	M 14 x 1,5	M 14 x 1,5		17	17	GVR-DKO-08-L/06-S
L / S	315	10	10	M 18 x 1,5	M 16 x 1,5		22	19	GVR-DKO-10-L/10-S
L / S	315	12	12	M 20 x 1,5	M 18 x 1,5		24	22	GVR-DKO-12-L/12-S
L / S	315	15	12	M 22 x 1,5	M 20 x 1,5		27	24	GVR-DKO-15-L/12-S
L / S	315	18	16	M 26 x 1,5	M 24 x 1,5		32	30	GVR-DKO-18-L/16-S
L / S	160	22	20	M 30 x 2	M 30 x 2		36	36	GVR-DKO-22-L/20-S
L / S	160	28	25	M 36 x 2	M 36 x 2		46	41	GVR-DKO-28-L/25-S
L / S	160	35	30	M 45 x 2	M 42 x 2		50	50	GVR-DKO-35-L/30-S
L / S	160	42	38	M 52 x 2	M 52 x 2		60	60	GVR-DKO-42-L/38-S
S / L	315	16	15	M 24 x 1,5	M 22 x 1,5		30	27	GVR-DKO-16-S/15-L
S / L	315	20	18	M 30 x 2	M 26 x 1,5		36	32	GVR-DKO-20-S/18-L
S / L	160	25	22	M 36 x 2	M 30 x 2		46	36	GVR-DKO-25-S/22-L
S / L	160	30	28	M 42 x 2	M 36 x 2		50	41	GVR-DKO-30-S/28-L
S / L	160	38	35	M 52 x 2	M 45 x 2		60	50	GVR-DKO-38-S/35-L

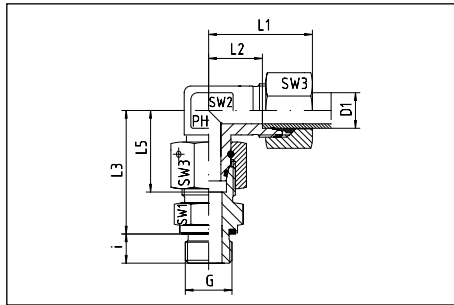
Einstellbare Winkel-Verschraubungen
mit Dichtkegel und O-Ring - Viton
rohrseitig Schneidringanschluß

with taper and O-ring - Viton
cutting ring connection at the tube connection side



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	EW-DKOL-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	EW-DKOL-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	EW-DKOL-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	EW-DKOL-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	EW-DKOL-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	EW-DKOL-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	EW-DKOL-22
L	160	28	M 36 x 2	47	30,5	41,5	36	41	EW-DKOL-28
L	160	35	M 45 x 2	56	34,5	51,0	41	50	EW-DKOL-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	EW-DKOL-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	EW-DKOS-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	EW-DKOS-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	EW-DKOS-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	EW-DKOS-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	EW-DKOS-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	EW-DKOS-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	EW-DKOS-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	EW-DKOS-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	EW-DKOS-30
S	315	38	M 52 x 2	72	41,0	63,0	50	60	EW-DKOS-38

Einstellbare Winkel-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohrrseitig Schneidringanschluß
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton



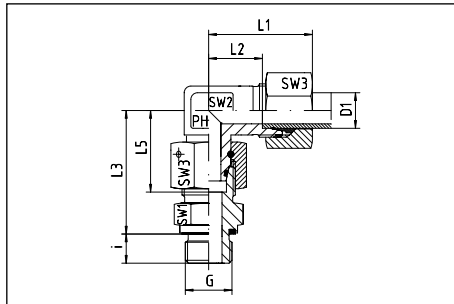
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: metric - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	EW-DKOL-06-M 10x1-wd
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	EW-DKOL-08-M 12x1,5-wd
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	EW-DKOL-10-M 14x1,5-wd
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	EW-DKOL-12-M 16x1,5-wd
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	EW-DKOL-15-M 18x1,5-wd
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	EW-DKOL-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	EW-DKOL-22-M 26x1,5-wd
L	160	28	M 33 x 2	47	30,5	59,0	41,5	18	41	36	41	EW-DKOL-28-M 33x2-wd
L	160	35	M 42 x 2	56	34,5	68,5	51,0	20	50	41	50	EW-DKOL-35-M 42x2-wd
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	EW-DKOL-42-M 48x2-wd
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	EW-DKOS-06-M 12x1,5-wd
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	EW-DKOS-08-M 14x1,5-wd
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	EW-DKOS-10-M 16x1,5-wd
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	EW-DKOS-12-M 18x1,5-wd
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	EW-DKOS-14-M 20x1,5-wd
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	EW-DKOS-16-M 22x1,5-wd
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	EW-DKOS-20-M 27x2-wd
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	EW-DKOS-25-M 33x2-wd
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	EW-DKOS-30-M 42x2-wd
S	315	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	EW-DKOS-38-M 48x2-wd

Einstellbare Winkel-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohreseitig Schneidringanschluß
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

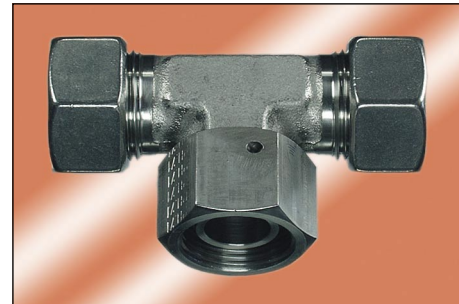
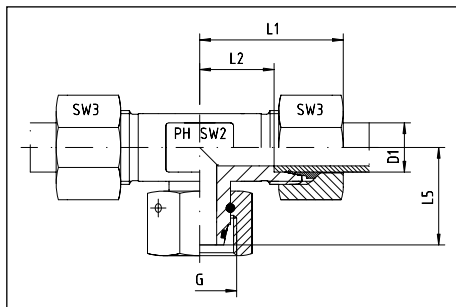
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: BSP - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	EW-DKOL-06-G 1/8"-wd
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17	EW-DKOL-08-G 1/4"-wd
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	EW-DKOL-10-G 1/4"-wd
L	315	12	G 1/4"	32	17,0	42,0	29,5	12	19	17	22	EW-DKOL-12-G 1/4"-wd
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	EW-DKOL-12-G 3/8"-wd
L	315	12	G 1/2"	32	17,0	43,0	29,5	14	27	17	22	EW-DKOL-12-G 1/2"-wd
L	315	15	G 1/2"	36	21,0	46,0	32,5	14	27	19	27	EW-DKOL-15-G 1/2"-wd
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	EW-DKOL-18-G 1/2"-wd
L	160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36	EW-DKOL-22-G 3/4"-wd
L	160	28	G 1"	47	30,5	59,0	41,5	18	41	36	41	EW-DKOL-28-G 1"-wd
L	160	35	G 1 1/4"	56	34,5	68,5	51,0	20	50	41	50	EW-DKOL-35-G 1 1/4"-wd
L	160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60	EW-DKOL-42-G 1 1/2"-wd
S	630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	EW-DKOS-06-G 1/4"-wd
S	630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	EW-DKOS-08-G 1/4"-wd
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	EW-DKOS-10-G 3/8"-wd
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	EW-DKOS-12-G 3/8"-wd
S	630	12	G 1/2"	38	21,5	49,0	31,0	14	27	17	24	EW-DKOS-12-G 1/2"-wd
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	EW-DKOS-14-G 1/2"-wd
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	EW-DKOS-16-G 1/2"-wd
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	EW-DKOS-20-G 3/4"-wd
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	EW-DKOS-25-G 1"-wd
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	EW-DKOS-30-G 1 1/4"-wd
S	315	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	EW-DKOS-38-G 1 1/2"-wd

Einstellbare T-Verschraubungen
mit Dichtkegel und O-Ring - Viton
rohrseitig Schneidringanschluß

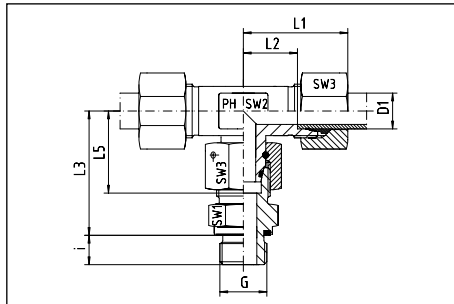
with taper and O-ring - Viton
cutting ring connection at the tube connection side



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	ET-DKOL-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	ET-DKOL-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	ET-DKOL-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	ET-DKOL-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	ET-DKOL-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	ET-DKOL-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	ET-DKOL-22
L	160	28	M 36 x 2	47	30,5	41,5	36	41	ET-DKOL-28
L	160	35	M 45 x 2	56	34,5	51,0	41	50	ET-DKOL-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	ET-DKOL-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	ET-DKOS-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	ET-DKOS-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	ET-DKOS-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	ET-DKOS-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	ET-DKOS-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	ET-DKOS-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	ET-DKOS-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	ET-DKOS-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	ET-DKOS-30
S	315	38	M 52 x 2	72	41,0	63,0	50	60	ET-DKOS-38

Einstellbare T-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohrrseitig Schneidringanschluß
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

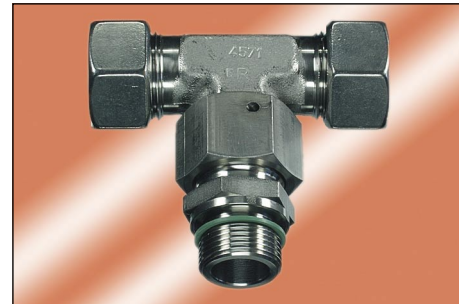
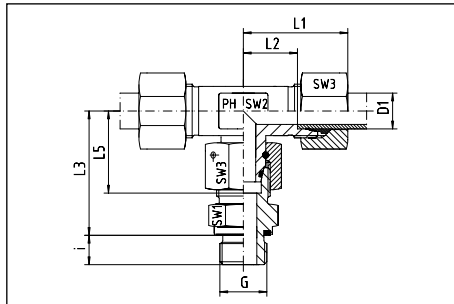
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: metric - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	ET-DKOL-06-M 10x1-wd
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	ET-DKOL-08-M 12x1,5-wd
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	ET-DKOL-10-M 14x1,5-wd
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	ET-DKOL-12-M 16x1,5-wd
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	ET-DKOL-15-M 18x1,5-wd
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	ET-DKOL-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	ET-DKOL-22-M 26x1,5-wd
L	160	28	M 33 x 2	47	30,5	59,0	41,5	18	41	36	41	ET-DKOL-28-M 33x2-wd
L	160	35	M 42 x 2	56	34,5	68,5	51,0	20	50	41	50	ET-DKOL-35-M 42x2-wd
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	ET-DKOL-42-M 48x2-wd
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	ET-DKOS-06-M 12x1,5-wd
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	ET-DKOS-08-M 14x1,5-wd
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	ET-DKOS-10-M 16x1,5-wd
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	ET-DKOS-12-M 18x1,5-wd
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	ET-DKOS-14-M 20x1,5-wd
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	ET-DKOS-16-M 22x1,5-wd
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	ET-DKOS-20-M 27x2-wd
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	ET-DKOS-25-M 33x2-wd
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	ET-DKOS-30-M 42x2-wd
S	315	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	ET-DKOS-38-M 48x2-wd

Einstellbare T-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohrrseitig Schneidringanschluß
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

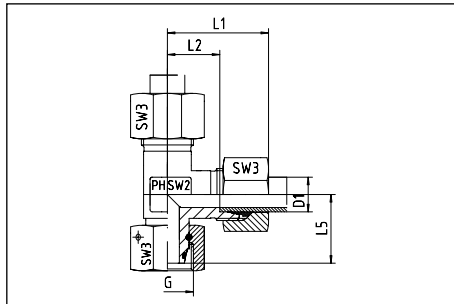
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: BSP - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	ET-DKOL-06-G 1/8"-wd
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	17	12	17	ET-DKOL-08-G 1/4"-wd
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	ET-DKOL-10-G 1/4"-wd
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	ET-DKOL-12-G 3/8"-wd
L	315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27	ET-DKOL-15-G 1/2"-wd
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	ET-DKOL-18-G 1/2"-wd
L	160	22	G 3/4"	44	27,5	65,0	38,5	16	32	27	36	ET-DKOL-22-G 3/4"-wd
L	160	28	G 1"	47	30,5	69,0	41,5	18	41	36	41	ET-DKOL-28-G 1"-wd
L	160	35	G 1 1/4"	56	34,5	73,5	51,0	20	50	41	50	ET-DKOL-35-G 1 1/4"-wd
L	160	42	G 1 1/2"	63	40,0	79,0	56,0	22	55	50	60	ET-DKOL-42-G 1 1/2"-wd
S	630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	ET-DKOS-06-G 1/4"-wd
S	630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	ET-DKOS-08-G 1/4"-wd
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	ET-DKOS-10-G 3/8"-wd
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	ET-DKOS-12-G 3/8"-wd
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	ET-DKOS-14-G 1/2"-wd
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	ET-DKOS-16-G 1/2"-wd
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	ET-DKOS-20-G 3/4"-wd
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	ET-DKOS-25-G 1"-wd
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	ET-DKOS-30-G 1 1/4"-wd
S	315	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	ET-DKOS-38-G 1 1/2"-wd

Einstellbare L-Verschraubungen
mit Dichtkegel und O-Ring - Viton
rohrseitig mit Schneidringanschluß

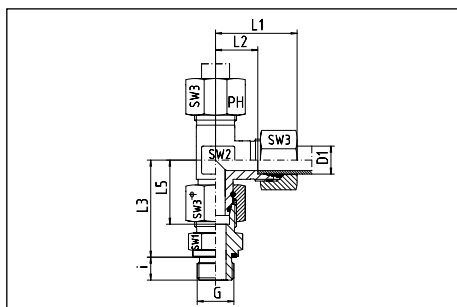
with taper and O-ring - Viton
cutting ring connection at the tube connection side



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
				L1	L2	L5	SW2	SW3	
L	315	6	M 12 x 1,5	27	12,0	26,0	12	14	EL-DKOL-06
L	315	8	M 14 x 1,5	29	14,0	27,5	12	17	EL-DKOL-08
L	315	10	M 16 x 1,5	30	15,0	29,0	14	19	EL-DKOL-10
L	315	12	M 18 x 1,5	32	17,0	29,5	17	22	EL-DKOL-12
L	315	15	M 22 x 1,5	36	21,0	32,5	19	27	EL-DKOL-15
L	315	18	M 26 x 1,5	40	23,5	35,5	24	32	EL-DKOL-18
L	160	22	M 30 x 2	44	27,5	38,5	27	36	EL-DKOL-22
L	160	28	M 36 x 2	47	30,5	41,5	36	41	EL-DKOL-28
L	160	35	M 45 x 2	56	34,5	51,0	41	50	EL-DKOL-35
L	160	42	M 52 x 2	63	40,0	56,0	50	60	EL-DKOL-42
S	630	6	M 14 x 1,5	31	16,0	27,0	12	17	EL-DKOS-06
S	630	8	M 16 x 1,5	32	17,0	27,5	14	19	EL-DKOS-08
S	630	10	M 18 x 1,5	34	17,5	30,0	17	22	EL-DKOS-10
S	630	12	M 20 x 1,5	38	21,5	31,0	17	24	EL-DKOS-12
S	630	14	M 22 x 1,5	40	22,0	35,0	19	27	EL-DKOS-14
S	400	16	M 24 x 1,5	43	24,5	36,5	24	30	EL-DKOS-16
S	400	20	M 30 x 2	48	26,5	44,5	27	36	EL-DKOS-20
S	400	25	M 36 x 2	54	30,0	50,0	36	46	EL-DKOS-25
S	400	30	M 42 x 2	62	35,5	55,0	41	50	EL-DKOS-30
S	315	38	M 52 x 2	72	41,0	63,0	50	60	EL-DKOS-38

Einstellbare L-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohrrseitig mit Schneidringanschluß
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

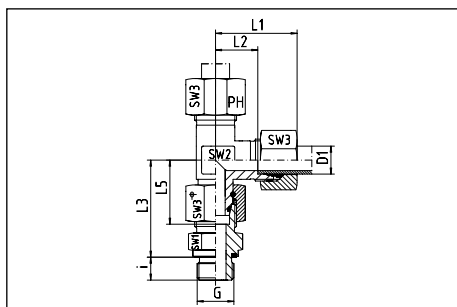
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: metric - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	M 10 x 1	27	12,0	34,5	26,0	8	14	12	14	EL-DKOL-06-M 10x1-wd
L	315	8	M 12 x 1,5	29	14,0	37,5	27,5	12	17	12	17	EL-DKOL-08-M 12x1,5-wd
L	315	10	M 14 x 1,5	30	15,0	40,0	29,0	12	19	14	19	EL-DKOL-10-M 14x1,5-wd
L	315	12	M 16 x 1,5	32	17,0	42,0	29,5	12	22	17	22	EL-DKOL-12-M 16x1,5-wd
L	315	15	M 18 x 1,5	36	21,0	46,0	32,5	12	24	19	27	EL-DKOL-15-M 18x1,5-wd
L	315	18	M 22 x 1,5	40	23,5	50,0	35,5	14	27	24	32	EL-DKOL-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	44	27,5	55,0	38,5	16	32	27	36	EL-DKOL-22-M 26x1,5-wd
L	160	28	M 33 x 2	47	30,5	59,0	41,5	18	41	36	41	EL-DKOL-28-M 33x3-wd
L	160	35	M 42 x 2	56	34,5	68,5	51,0	20	50	41	50	EL-DKOL-35-M 42x2-wd
L	160	42	M 48 x 2	63	40,0	75,0	56,0	22	55	50	60	EL-DKOL-42-M 48x2-wd
S	630	6	M 12 x 1,5	31	16,0	40,0	27,0	12	17	12	17	EL-DKOS-06-M 12x1,5-wd
S	630	8	M 14 x 1,5	32	17,0	42,5	27,5	12	19	14	19	EL-DKOS-08-M 14x1,5-wd
S	630	10	M 16 x 1,5	34	17,5	45,0	30,0	12	22	17	22	EL-DKOS-10-M 16x1,5-wd
S	630	12	M 18 x 1,5	38	21,5	48,0	31,0	12	24	17	24	EL-DKOS-12-M 18x1,5-wd
S	630	14	M 20 x 1,5	40	22,0	54,0	35,0	14	27	19	27	EL-DKOS-14-M 20x1,5-wd
S	400	16	M 22 x 1,5	43	24,5	55,0	36,5	14	27	24	30	EL-DKOS-16-M 22x1,5-wd
S	400	20	M 27 x 2	48	26,5	65,0	44,5	16	32	27	36	EL-DKOS-20-M 27x2-wd
S	400	25	M 33 x 2	54	30,0	73,0	50,0	18	41	36	46	EL-DKOS-25-M 33x2-wd
S	400	30	M 42 x 2	62	35,5	78,5	55,0	20	50	41	50	EL-DKOS-30-M 42x2-wd
S	315	38	M 48 x 2	72	41,0	89,0	63,0	22	55	50	60	EL-DKOS-38-M 48x2-wd

Einstellbare L-Verschraubungen
 mit Dichtkegel und O-Ring - Viton
 rohrrseitig mit Schneidringanschluß
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

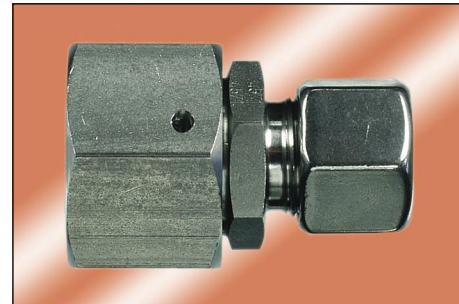
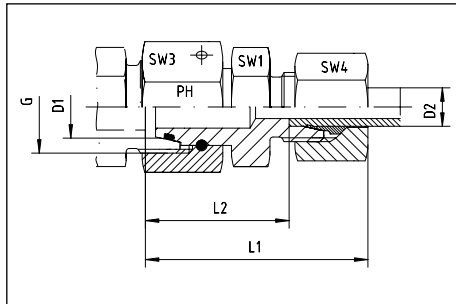
with taper and O-ring - Viton
 cutting ring connection at the tube connection side
 Thread: BSP - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions								Bestellzeichen Order-Code
				L1	L2	L3	L5	i	SW1	SW2	SW3	
L	315	6	G 1/8"	27	12,0	34,5	26,0	8	14	12	14	EL-DKOL-06-G 1/8"-wd
L	315	8	G 1/4"	29	14,0	37,5	27,5	12	19	12	17	EL-DKOL-08-G 1/4"-wd
L	315	10	G 1/4"	30	15,0	40,0	29,0	12	19	14	19	EL-DKOL-10-G 1/4"-wd
L	315	12	G 3/8"	32	17,0	42,0	29,5	12	22	17	22	EL-DKOL-12-G 3/8"-wd
L	315	15	G 1/2"	36	21,0	46,5	32,5	14	27	19	27	EL-DKOL-15-G 1/2"-wd
L	315	18	G 1/2"	40	23,5	50,0	35,5	14	27	24	32	EL-DKOL-18-G 1/2"-wd
L	160	22	G 3/4"	44	27,5	55,0	38,5	16	32	27	36	EL-DKOL-22-G 3/4"-wd
L	160	28	G 1"	47	30,5	59,0	41,5	18	41	36	41	EL-DKOL-28-G 1"-wd
L	160	35	G 1 1/4"	56	34,5	68,5	51,0	20	50	41	50	EL-DKOL-35-G 1 1/4"-wd
L	160	42	G 1 1/2"	63	40,0	75,0	56,0	22	55	50	60	EL-DKOL-42-G 1 1/2"-wd
S	630	6	G 1/4"	31	16,0	40,0	27,0	12	19	12	17	EL-DKOS-06-G 1/4"-wd
S	630	8	G 1/4"	32	17,0	42,5	27,5	12	19	14	19	EL-DKOS-08-G 1/4"-wd
S	630	10	G 3/8"	34	17,5	45,0	30,0	12	22	17	22	EL-DKOS-10-G 3/8"-wd
S	630	12	G 3/8"	38	21,5	48,0	31,0	12	22	17	24	EL-DKOS-12-G 3/8"-wd
S	630	14	G 1/2"	40	22,0	54,0	35,0	14	27	19	27	EL-DKOS-14-G 1/2"-wd
S	400	16	G 1/2"	43	24,5	55,0	36,5	14	27	24	30	EL-DKOS-16-G 1/2"-wd
S	400	20	G 3/4"	48	26,5	65,0	44,5	16	32	27	36	EL-DKOS-20-G 3/4"-wd
S	400	25	G 1"	54	30,0	73,0	50,0	18	41	36	46	EL-DKOS-25-G 1"-wd
S	400	30	G 1 1/4"	62	35,5	78,5	55,0	20	50	41	50	EL-DKOS-30-G 1 1/4"-wd
S	315	38	G 1 1/2"	72	41,0	89,0	63,0	22	55	50	60	EL-DKOS-38-G 1 1/2"-wd

mit Dichtkegel und O-Ring (DKO) - Viton
passend in Bohrungsform W DIN 3861

with taper and O-ring - Viton
for type of port end W DIN 3861

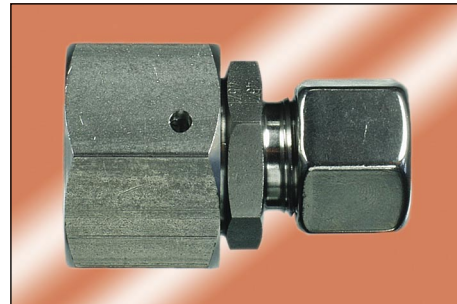
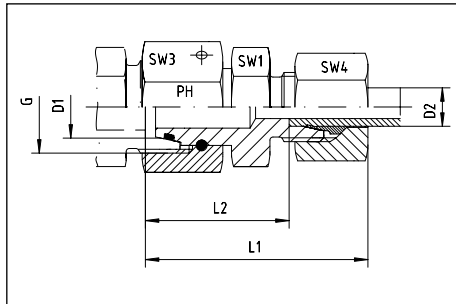


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
		D1	D2		L1	L2	SW1	SW3	SW4	
L	315	8	6	M 14 x 1,5	38	23,5	12	14	17	RED-DKOL-08/06
L	315	10	6	M 16 x 1,5	40	25,0	14	14	19	RED-DKOL-10/06
L	315	10	8	M 16 x 1,5	40	25,0	14	17	19	RED-DKOL-10/08
L	315	12	6	M 18 x 1,5	40	25,0	17	14	22	RED-DKOL-12/06
L	315	12	8	M 18 x 1,5	40	25,0	17	17	22	RED-DKOL-12/08
L	315	12	10	M 18 x 1,5	41	26,0	17	19	22	RED-DKOL-12/10
L	315	15	6	M 22 x 1,5	43	28,5	19	14	27	RED-DKOL-15/06
L	315	15	8	M 22 x 1,5	43	28,5	19	17	27	RED-DKOL-15/08
L	315	15	10	M 22 x 1,5	44	29,5	19	19	27	RED-DKOL-15/10
L	315	15	12	M 22 x 1,5	44	29,5	19	22	27	RED-DKOL-15/12
L	315	18	6	M 26 x 1,5	43	28,0	24	14	32	RED-DKOL-18/06
L	315	18	8	M 26 x 1,5	43	28,0	24	17	32	RED-DKOL-18/08
L	315	18	10	M 26 x 1,5	44	29,0	24	19	32	RED-DKOL-18/10
L	315	18	12	M 26 x 1,5	44	29,0	24	22	32	RED-DKOL-18/12
L	315	18	15	M 26 x 1,5	45	30,0	24	27	32	RED-DKOL-18/15
L	160	22	6	M 30 x 2	47	32,0	27	14	36	RED-DKOL-22/06
L	160	22	8	M 30 x 2	47	32,0	27	17	36	RED-DKOL-22/08
L	160	22	10	M 30 x 2	48	33,0	27	19	36	RED-DKOL-22/10
L	160	22	12	M 30 x 2	48	33,0	27	22	36	RED-DKOL-22/12
L	160	22	15	M 30 x 2	49	34,0	27	27	36	RED-DKOL-22/15
L	160	22	18	M 30 x 2	50	33,5	27	32	36	RED-DKOL-22/18
L	160	28	6	M 36 x 2	49	34,0	32	14	41	RED-DKOL-28/06
L	160	28	8	M 36 x 2	49	34,0	32	17	41	RED-DKOL-28/08
L	160	28	10	M 36 x 2	50	35,0	32	19	41	RED-DKOL-28/10
L	160	28	12	M 36 x 2	50	35,0	32	22	41	RED-DKOL-28/12
L	160	28	15	M 36 x 2	51	36,0	32	27	41	RED-DKOL-28/15
L	160	28	18	M 36 x 2	52	35,5	32	32	41	RED-DKOL-28/18
L	160	28	22	M 36 x 2	54	37,5	32	36	41	RED-DKOL-28/22
L	160	35	6	M 45 x 2	52	37,0	41	14	50	RED-DKOL-35/06
L	160	35	8	M 45 x 2	52	37,0	41	17	50	RED-DKOL-35/08
L	160	35	10	M 45 x 2	53	38,0	41	19	50	RED-DKOL-35/10
L	160	35	12	M 45 x 2	53	38,0	41	22	50	RED-DKOL-35/12
L	160	35	15	M 45 x 2	54	39,0	41	27	50	RED-DKOL-35/15
L	160	35	18	M 45 x 2	55	38,5	41	32	50	RED-DKOL-35/18
L	160	35	22	M 45 x 2	57	40,5	41	36	50	RED-DKOL-35/22
L	160	35	28	M 45 x 2	57	40,5	41	41	50	RED-DKOL-35/28
L	160	42	6	M 52 x 2	55	40,5	50	14	60	RED-DKOL-42/06
L	160	42	8	M 52 x 2	55	40,5	50	17	60	RED-DKOL-42/08
L	160	42	10	M 52 x 2	56	41,5	50	19	60	RED-DKOL-42/10
L	160	42	12	M 52 x 2	56	41,5	50	22	60	RED-DKOL-42/12
L	160	42	15	M 52 x 2	58	42,5	50	27	60	RED-DKOL-42/15
L	160	42	18	M 52 x 2	58	42,0	50	32	60	RED-DKOL-42/18
L	160	42	22	M 52 x 2	60	44,0	50	36	60	RED-DKOL-42/22
L	160	42	28	M 52 x 2	61	44,0	50	41	60	RED-DKOL-42/28
L	160	42	35	M 52 x 2	65	43,0	50	50	60	RED-DKOL-42/35

andere Abmessungen auf Anfrage
other dimensions on request

mit Dichtkegel und O-Ring (DKO) - Viton
passend in Bohrungsform W DIN 3861

with taper and O-ring - Viton
for type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		Gewinde Thread G	ca. Maße approx. dimensions					Bestellzeichen Order-Code
		D1	D2		L1	L2	SW1	SW3	SW4	
S	630	8	6	M 16 x 1,5	42	27,0	14	17	19	RED-DKOS-08/06
S	630	10	6	M 18 x 1,5	42	27,5	17	17	22	RED-DKOS-10/06
S	630	10	8	M 18 x 1,5	42	27,5	17	19	22	RED-DKOS-10/08
S	630	12	6	M 20 x 1,5	44	29,0	17	17	24	RED-DKOS-12/06
S	630	12	8	M 20 x 1,5	44	29,0	17	19	24	RED-DKOS-12/08
S	630	12	10	M 20 x 1,5	46	29,5	19	22	24	RED-DKOS-12/10
S	630	14	6	M 22 x 1,5	46	31,5	19	17	27	RED-DKOS-14/06
S	630	14	8	M 22 x 1,5	46	31,5	19	19	27	RED-DKOS-14/08
S	630	14	10	M 22 x 1,5	47	31,0	19	22	27	RED-DKOS-14/10
S	630	14	12	M 22 x 1,5	47	31,0	22	24	27	RED-DKOS-14/12
S	400	16	6	M 24 x 1,5	47	32,0	22	17	30	RED-DKOS-16/06
S	400	16	8	M 24 x 1,5	47	32,0	22	19	30	RED-DKOS-16/08
S	400	16	10	M 24 x 1,5	48	31,5	22	22	30	RED-DKOS-16/10
S	400	16	12	M 24 x 1,5	48	31,5	22	24	30	RED-DKOS-16/12
S	400	16	14	M 24 x 1,5	51	33,0	22	27	30	RED-DKOS-16/14
S	400	20	6	M 30 x 2	51	36,0	27	17	36	RED-DKOS-20/06
S	400	20	8	M 30 x 2	51	36,0	27	19	36	RED-DKOS-20/08
S	400	20	10	M 30 x 2	52	35,5	27	22	36	RED-DKOS-20/10
S	400	20	12	M 30 x 2	52	35,5	27	24	36	RED-DKOS-20/12
S	400	20	14	M 30 x 2	55	37,0	27	27	36	RED-DKOS-20/14
S	400	20	16	M 30 x 2	55	36,5	27	30	36	RED-DKOS-20/16
S	400	25	6	M 36 x 2	53	38,5	32	17	41	RED-DKOS-25/06
S	400	25	8	M 36 x 2	53	38,5	32	19	41	RED-DKOS-25/08
S	400	25	10	M 36 x 2	54	38,0	32	22	41	RED-DKOS-25/10
S	400	25	12	M 36 x 2	54	38,0	32	24	41	RED-DKOS-25/12
S	400	25	14	M 36 x 2	57	39,5	32	27	41	RED-DKOS-25/14
S	400	25	16	M 36 x 2	57	39,0	32	30	41	RED-DKOS-25/16
S	400	25	20	M 36 x 2	61	39,0	32	36	41	RED-DKOS-25/20
S	400	30	6	M 42 x 2	59	44,0	41	17	50	RED-DKOS-30/06
S	400	30	8	M 42 x 2	59	44,0	41	19	50	RED-DKOS-30/08
S	400	30	10	M 42 x 2	60	43,5	41	22	50	RED-DKOS-30/10
S	400	30	12	M 42 x 2	60	43,5	41	24	50	RED-DKOS-30/12
S	400	30	14	M 42 x 2	63	45,0	41	27	50	RED-DKOS-30/14
S	400	30	16	M 42 x 2	63	44,5	41	30	50	RED-DKOS-30/16
S	400	30	20	M 42 x 2	66	44,5	41	36	50	RED-DKOS-30/20
S	400	30	25	M 42 x 2	69	45,0	41	46	50	RED-DKOS-30/25
S	315	38	6	M 52 x 2	63	47,0	50	17	60	RED-DKOS-38/06
S	315	38	8	M 52 x 2	63	47,0	50	19	60	RED-DKOS-38/08
S	315	38	10	M 52 x 2	63	47,0	50	22	60	RED-DKOS-38/10
S	315	38	12	M 52 x 2	63	47,0	50	24	60	RED-DKOS-38/12
S	315	38	14	M 52 x 2	66	48,5	50	27	60	RED-DKOS-38/14
S	315	38	16	M 52 x 2	66	48,0	50	30	60	RED-DKOS-38/16
S	315	38	20	M 52 x 2	70	48,0	50	36	60	RED-DKOS-38/20
S	315	38	25	M 52 x 2	73	48,5	50	46	60	RED-DKOS-38/25
S	315	38	30	M 52 x 2	76	49,0	50	50	60	RED-DKOS-38/30

andere Abmessungen auf Anfrage
other dimensions on request

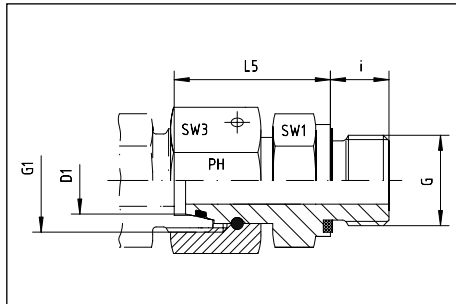
GERADE EINSCHRAUBSTUTZEN



EGE-DKO - SWIVEL CONNECTORS

mit Dichtkegel und O-Ring - Viton
 passend in Bohrungsform W DIN 3861
 Einschraubgewinde: metrisches Feingewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

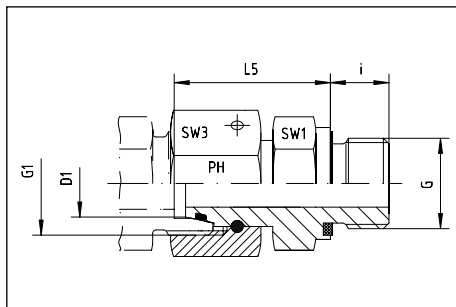
with taper and O-ring - Viton
 for type of port end W DIN 3861
 Thread: metric - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	G1	L5	i	SW1	SW3	
L	315	6	M 10 x 1	M 12 x 1,5	24,5	8	14	14	EGE-DKOL-06-M 10x1-wd
L	315	8	M 12 x 1,5	M 14 x 1,5	26,5	12	17	17	EGE-DKOL-08-M 12x1,5-wd
L	315	10	M 14 x 1,5	M 16 x 1,5	27,5	12	19	19	EGE-DKOL-10-M 14x1,5-wd
L	315	12	M 16 x 1,5	M 18 x 1,5	30,5	12	22	22	EGE-DKOL-12-M 16x1,5-wd
L	315	15	M 18 x 1,5	M 22 x 1,5	31,5	12	24	27	EGE-DKOL-15-M 18x1,5-wd
L	315	18	M 22 x 1,5	M 26 x 1,5	31,5	14	27	32	EGE-DKOL-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	M 30 x 2	32,5	16	32	36	EGE-DKOL-22-M 26x1,5-wd
L	160	28	M 33 x 2	M 36 x 2	35,0	18	41	41	EGE-DKOL-28-M 33x2-wd
L	160	35	M 42 x 2	M 45 x 2	42,5	20	50	50	EGE-DKOL-35-M 42x2-wd
L	160	42	M 48 x 2	M 52 x 2	46,5	22	55	60	EGE-DKOL-42-M 48x2-wd
S	630	6	M 12 x 1,5	M 14 x 1,5	27,0	12	17	17	EGE-DKOS-06-M 12x1,5-wd
S	630	8	M 14 x 1,5	M 16 x 1,5	29,5	12	19	19	EGE-DKOS-08-M 14x1,5-wd
S	630	10	M 16 x 1,5	M 18 x 1,5	32,0	12	22	22	EGE-DKOS-10-M 16x1,5-wd
S	630	12	M 18 x 1,5	M 20 x 1,5	34,0	12	24	24	EGE-DKOS-12-M 18x1,5-wd
S	630	14	M 20 x 1,5	M 22 x 1,5	36,5	14	27	27	EGE-DKOS-14-M 20x1,5-wd
S	400	16	M 22 x 1,5	M 24 x 1,5	37,0	14	27	30	EGE-DKOS-16-M 22x1,5-wd
S	400	20	M 27 x 2	M 30 x 2	43,0	16	32	36	EGE-DKOS-20-M 27x2-wd
S	400	25	M 33 x 2	M 36 x 2	48,0	18	41	46	EGE-DKOS-25-M 33x2-wd
S	400	30	M 42 x 2	M 42 x 2	51,0	20	50	50	EGE-DKOS-30-M 42x2-wd
S	315	38	M 48 x 2	M 52 x 2	60,0	22	55	60	EGE-DKOS-38-M 48x2-wd

mit Dichtkegel und O-Ring - Viton
 passend in Bohrungsform W DIN 3861
 Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch
 wd = Abdichtung durch Profildichtung - Viton

with taper and O-ring - Viton
 for type of port end W DIN 3861
 Thread: BSP - parallel
 wd = Sealing by an elastomer profiled ring - Viton



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	G1	L5	i	SW1	SW3	
L	315	6	G 1/8"	M 12 x 1,5	24,5	8	14	14	EGE-DKOL-06-G 1/8" wd
L	315	6	G 1/4"	M 12 x 1,5	27,0	12	19	14	EGE-DKOL-06-G 1/4" wd
L	315	8	G 1/4"	M 14 x 1,5	29,5	12	19	17	EGE-DKOL-08-G 1/4" wd
L	315	8	G 3/8"	M 14 x 1,5		12	22	17	EGE-DKOL-08-G 3/8" wd
L	315	10	G 1/4"	M 16 x 1,5	27,5	12	19	19	EGE-DKOL-10-G 1/4" wd
L	315	10	G 3/8"	M 16 x 1,5	30,0	12	22	19	EGE-DKOL-10-G 3/8" wd
L	315	10	G 1/2"	M 16 x 1,5	30,0	14	27	19	EGE-DKOL-10-G 1/2" wd
L	315	12	G 1/4"	M 18 x 1,5	28,0	12	19	22	EGE-DKOL-12-G 1/4" wd
L	315	12	G 3/8"	M 18 x 1,5	34,0	12	22	22	EGE-DKOL-12-G 3/8" wd
L	315	12	G 1/2"	M 18 x 1,5	34,5	14	27	22	EGE-DKOL-12-G 1/2" wd
L	315	15	G 3/8"	M 22 x 1,5	35,0	12	24	27	EGE-DKOL-15-G 3/8" wd
L	315	15	G 1/2"	M 22 x 1,5	35,0	14	27	27	EGE-DKOL-15-G 1/2" wd
L	315	15	G 3/4"	M 22 x 1,5		16	32	27	EGE-DKOL-15-G 3/4" wd
L	315	18	G 1/2"	M 26 x 1,5	31,5	14	27	32	EGE-DKOL-18-G 1/2" wd
L	315	18	G 3/4"	M 26 x 1,5	33,0	16	32	32	EGE-DKOL-18-G 3/4" wd
L	160	22	G 1/2"	M 30 x 2	32,0	14	27	36	EGE-DKOL-22-G 1/2" wd
L	160	22	G 3/4"	M 30 x 2	32,5	16	32	36	EGE-DKOL-22-G 3/4" wd
L	160	22	G 1"	M 30 x 2		18	41	36	EGE-DKOL-22-G 1" wd
L	160	28	G 3/4"	M 36 x 2		16	32	41	EGE-DKOL-28-G 3/4" wd
L	160	28	G 1"	M 36 x 2	35,0	18	41	41	EGE-DKOL-28-G 1" wd
L	160	35	G 1 1/4"	M 45 x 2	42,5	20	50	50	EGE-DKOL-35-G 1 1/4" wd
L	160	42	G 1 1/2"	M 52 x 2	46,5	22	55	60	EGE-DKOL-42-G 1 1/2" wd
S	630	6	G 1/4"	M 14 x 1,5	27,0	12	19	17	EGE-DKOS-06-G 1/4" wd
S	630	8	G 1/4"	M 16 x 1,5	29,5	12	19	19	EGE-DKOS-08-G 1/4" wd
S	630	8	G 3/8"	M 16 x 1,5		12	22	19	EGE-DKOS-08-G 3/8" wd
S	630	10	G 3/8"	M 18 x 1,5	32,0	12	22	22	EGE-DKOS-10-G 3/8" wd
S	630	10	G 1/2"	M 18 x 1,5	32,0	14	27	22	EGE-DKOS-10-G 1/2" wd
S	630	12	G 1/4"	M 20 x 1,5		12	19	24	EGE-DKOS-12-G 1/4" wd
S	630	12	G 3/8"	M 20 x 1,5	34,0	12	22	24	EGE-DKOS-12-G 3/8" wd
S	630	12	G 1/2"	M 20 x 1,5	34,5	14	27	24	EGE-DKOS-12-G 1/2" wd
S	630	14	G 1/2"	M 22 x 1,5	36,5	14	27	27	EGE-DKOS-14-G 1/2" wd
S	400	16	G 3/8"	M 24 x 1,5	37,0	12	24	30	EGE-DKOS-16-G 3/8" wd
S	400	16	G 1/2"	M 24 x 1,5	37,0	14	27	30	EGE-DKOS-16-G 1/2" wd
S	400	16	G 3/4"	M 24 x 1,5	39,0	16	32	30	EGE-DKOS-16-G 3/4" wd
S	400	20	G 1/2"	M 30 x 2	38,0	14	27	36	EGE-DKOS-20-G 1/2" wd
S	400	20	G 3/4"	M 30 x 2	43,0	16	32	36	EGE-DKOS-20-G 3/4" wd
S	400	20	G 1"	M 30 x 2		18	41	36	EGE-DKOS-20-G 1" wd
S	400	25	G 3/4"	M 36 x 2		16	32	46	EGE-DKOS-25-G 3/4" wd
S	400	25	G 1"	M 36 x 2	48,0	18	41	46	EGE-DKOS-25-G 1" wd
S	400	30	G 1 1/4"	M 42 x 2	51,0	20	50	50	EGE-DKOS-30-G 1 1/4" wd
S	315	38	G 1 1/2"	M 52 x 2	60,0	22	55	60	EGE-DKOS-38-G 1 1/2" wd

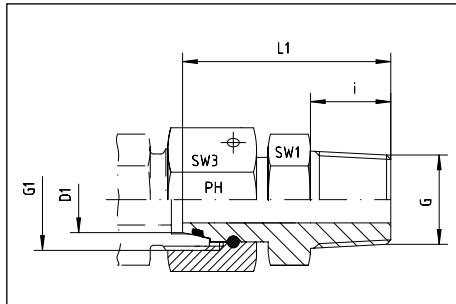
GERADE EINSCHRAUBSTUTZEN



EGE-DKO - SWIVEL-CONNECTORS

mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861
Einschraubgewinde: NPT

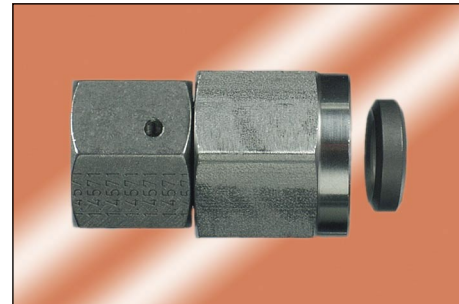
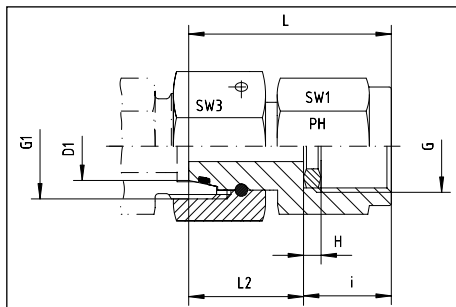
with taper and O-ring - Viton
for type of port end W DIN 3861
Thread: NPT



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code	
			G	G1	L1	i	SW1	SW3		
L	315	6	1/8" NPT	M 12 x 1,5			10,0	12	14	EGE-DKOL-06-NPT 1/8"
L	315	6	1/4" NPT	M 12 x 1,5			15,0	14	14	EGE-DKOL-06-NPT 1/4"
L	315	8	1/4" NPT	M 14 x 1,5	43,0	15,0	14	17		EGE-DKOL-08-NPT 1/4"
L	315	10	1/4" NPT	M 16 x 1,5	43,0	15,0	14	19		EGE-DKOL-10-NPT 1/4"
L	315	10	3/8" NPT	M 16 x 1,5		15,3	19	19		EGE-DKOL-10-NPT 3/8"
L	315	12	1/4" NPT	M 18 x 1,5	40,0	15,0	17	22		EGE-DKOL-12-NPT 1/4"
L	315	12	3/8" NPT	M 18 x 1,5	40,5	15,3	19	22		EGE-DKOL-12-NPT 3/8"
L	315	12	1/2" NPT	M 18 x 1,5	47,5	20,0	22	22		EGE-DKOL-12-NPT 1/2"
L	315	15	1/2" NPT	M 22 x 1,5	49,5	20,0	22	27		EGE-DKOL-15-NPT 1/2"
L	315	18	1/2" NPT	M 26 x 1,5	50,0	20,0	24	32		EGE-DKOL-18-NPT 1/2"
L	160	22	1/2" NPT	M 30 x 2		20,0	27	36		EGE-DKOL-22-NPT 1/2"
L	160	22	3/4" NPT	M 30 x 2	51,0	20,0	27	36		EGE-DKOL-22-NPT 3/4"
L	160	28	1" NPT	M 36 x 2	62,0	25,0	36	41		EGE-DKOL-28-NPT 1"
L	160	35	1 1/4" NPT	M 45 x 2		25,5	46	50		EGE-DKOL-35-NPT 1 1/4"
L	160	42	1 1/2" NPT	M 52 x 2		26,0	50	60		EGE-DKOL-42-NPT 1 1/2"
S	630	6	1/4" NPT	M 14 x 1,5			15,0	14	17	EGE-DKOS-06-NPT 1/4"
S	630	8	1/4" NPT	M 16 x 1,5			15,0	14	19	EGE-DKOS-08-NPT 1/4"
S	630	10	3/8" NPT	M 18 x 1,5			15,3	19	22	EGE-DKOS-10-NPT 3/8"
S	630	12	1/4" NPT	M 20 x 1,5			15,0	17	24	EGE-DKOS-12-NPT 1/4"
S	630	12	3/8" NPT	M 20 x 1,5			15,3	19	24	EGE-DKOS-12-NPT 3/8"
S	630	12	1/2" NPT	M 20 x 1,5			20,0	22	24	EGE-DKOS-12-NPT 1/2"
S	630	14	1/2" NPT	M 22 x 1,5			20,0	22	27	EGE-DKOS-14-NPT 1/2"
S	400	16	3/8" NPT	M 24 x 1,5	46,5	15,3	22	30		EGE-DKOS-16-NPT 3/8"
S	400	16	1/2" NPT	M 24 x 1,5	50,5	20,0	22	30		EGE-DKOS-16-NPT 1/2"
S	400	16	3/4" NPT	M 24 x 1,5		20,0	27	30		EGE-DKOS-16-NPT 3/4"
S	400	20	3/4" NPT	M 30 x 2	54,0	20,0	27	36		EGE-DKOS-20-NPT 3/4"
S	400	25	1" NPT	M 36 x 2	69,5	25,0	36	46		EGE-DKOS-25-NPT 1"
S	400	30	1 1/4" NPT	M 42 x 2		25,5	46	50		EGE-DKOS-30-NPT 1 1/4"
S	315	38	1 1/2" NPT	M 52 x 2		26,0	50	60		EGE-DKOS-38-NPT 1 1/2"

einstellbare Manometer-Verschraubung
mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861

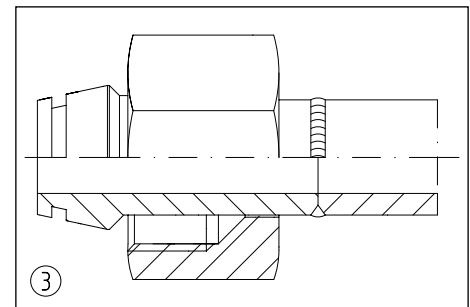
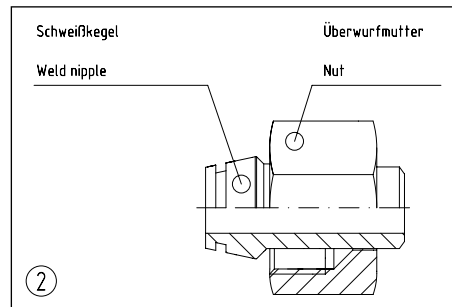
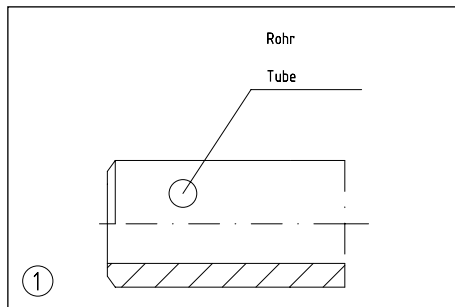
for pressure gauge connection
with taper and O-ring - Viton
for type of port end W DIN 3861



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
			G	G1	L	i	H	SW1	SW3	
L	315	6	1/4"	M 12 x 1,5	35,5	14,5	4,5	19	14	MVE-DKOL-06-G 1/4"
L	315	8	1/4"	M 14 x 1,5	35,5	14,5	4,5	19	17	MVE-DKOL-08-G 1/4"
L	315	10	1/4"	M 16 x 1,5	36,0	14,5	4,5	19	19	MVE-DKOL-10-G 1/4"
L	315	12	1/4"	M 18 x 1,5	36,0	14,5	4,5	19	22	MVE-DKOL-12-G 1/4"
S	630	6	1/4"	M 14 x 1,5	36,0	14,5	4,5	19	17	MVE-DKOS-06-G 1/4"
S	630	6	1/2"	M 14 x 1,5	43,0	20,0	5,0	27	17	MVE-DKOS-06-G 1/2"
S	630	8	1/4"	M 16 x 1,5	36,0	14,5	4,5	19	19	MVE-DKOS-08-G 1/4"
S	630	8	1/2"	M 16 x 1,5	43,0	20,0	5,0	27	19	MVE-DKOS-08-G 1/2"
S	630	10	1/4"	M 18 x 1,5	37,5	14,5	4,5	19	22	MVE-DKOS-10-G 1/4"
S	630	10	1/2"	M 18 x 1,5	43,5	20,0	5,0	27	22	MVE-DKOS-10-G 1/2"
S	630	12	1/4"	M 20 x 1,5	39,0	14,5	4,5	19	24	MVE-DKOS-12-G 1/4"
S	630	12	1/2"	M 20 x 1,5	45,0	20,0	5,0	27	24	MVE-DKOS-12-G 1/2"

SCHWEIßKEGEL-VERSCHRAUBUNGEN MIT O-RING WELD NIPPLE-COUPLINGS WITH O-RING

MONTAGEANLEITUNG - SCHWEIßKEGEL-VERSCHRAUBUNGEN	ASSEMBLY INSTRUCTIONS - WELD NIPPLE COUPLINGS	10.3
ESV - SCHOTT-VERSCHRAUBUNGEN	ESV - BULKHEAD COUPLINGS	10.4
ASV - GERADE VERSCHRAUBUNGEN	ASV - COUPLINGS	10.5
WAS - WINKEL-VERSCHRAUBUNGEN	WAS - COUPLINGS	10.6
GERADE SCHWEIßKEGEL-VERSCHRAUBUNGEN	WELDING NIPPLE COUPLINGS	10.7
SCHWEIßNIPPEL	WELDING NIPPLES	10.8
SCHWEIßNIPPEL-REDUZIERUNGEN	WELDING NIPPLE REDUCINGS	10.9
SCHWEIßNIPPEL-ROHRBÖGEN	WELDING NIPPLE ELBOWS	10.10



1. Rohr rechtwinkelig ablängen, entgraten und anfasen für V-Naht nach DIN 2559.

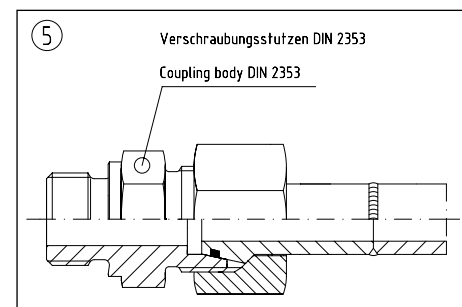
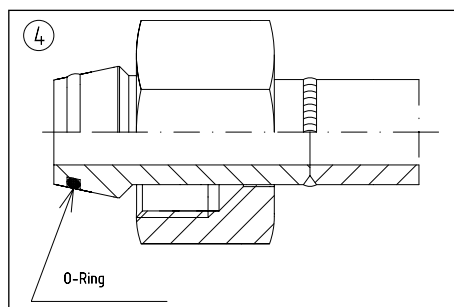
2. Überwurfmutter, wie abgebildet, über den Schweißkegel schieben.

3. Schweißkegel und Rohr nach den Schweißrichtlinien verschweißen. Darauf achten, dass keine Schweißperlen ins Rohrinnere gelangen. Kegel, Nut und Stutzenkonus müssen sauber sein.

1. Cut tube at right angles and chamfer it for V-welding seam to DIN 2559.

2. Slide nut over weld nipple arrangement as shown above.

3. Weld nipple and tube are welded according to the general welding instructions. Please ensure that no globules of weld enter the inside of the tube. Nipple, groove and taper must be clean.



4. O-Ring erst nach dem Schweißen in die Nut einlegen. Er darf sich nicht verdrehen. Schweißkegel, Konus und Innen- und Außengewinde einölen, nicht einfetten.

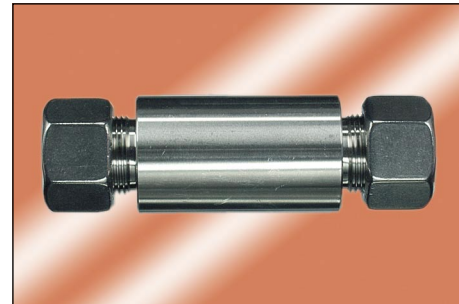
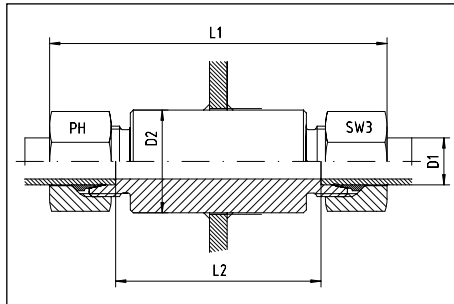
5. Überwurfmutter von Hand auf den Stutzen schrauben, dann mit dem Schlüssel ca. 1/4 - 1/3 Umdrehung anziehen. Das Rohr mit angeschweißtem Kegel muß spannungsfrei verschraubt und verlegt werden.

4. O-ring is only to be inserted into groove after welding. O-ring must not be twisted. Do not grease, but oil nipple, taper inside and outside of thread.

5. Screw the nut by hand onto the body, tighten nut with a spanner approx. 1/4 – 1/3 of a turn. Tube with welded nipple has to be installed free of tension.

Einschweiß-Schottverschraubungen

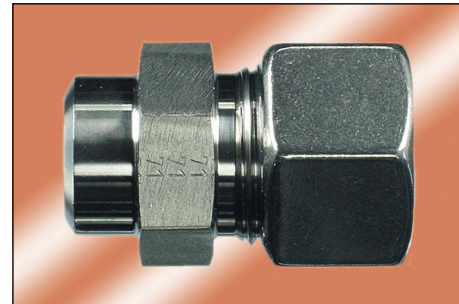
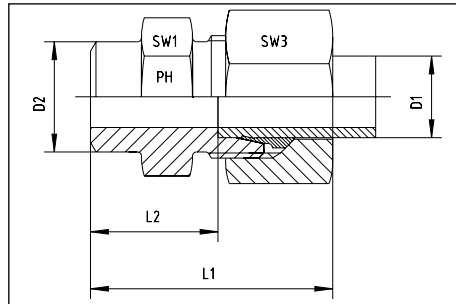
Welding bulkhead connections



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions			Bestellzeichen Order-Code
		D1	D2	L1	L2	SW3	
L	315	6	18	85	56	14	ESV-L-06
L	315	8	20	85	56	17	ESV-L-08
L	315	10	22	87	58	19	ESV-L-10
L	315	12	25	87	58	22	ESV-L-12
L	315	15	28	100	70	27	ESV-L-15
L	315	18	32	101	69	32	ESV-L-18
L	160	22	36	105	73	36	ESV-L-22
L	160	28	40	106	73	41	ESV-L-28
L	160	35	50	114	71	50	ESV-L-35
L	160	42	60	115	70	60	ESV-L-42
S	630	6	20	89	60	17	ESV-S-06
S	630	8	22	89	60	19	ESV-S-08
S	630	10	25	91	59	22	ESV-S-10
S	630	12	28	91	59	24	ESV-S-12
S	630	14	30	107	72	27	ESV-S-14
S	400	16	35	107	71	30	ESV-S-16
S	400	20	38	114	71	36	ESV-S-20
S	400	25	45	120	72	46	ESV-S-25
S	400	30	50	126	73	50	ESV-S-30
S	315	38	60	133	72	60	ESV-S-38

Gerade Anschweißverschraubungen

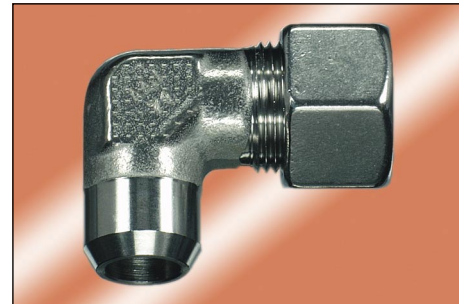
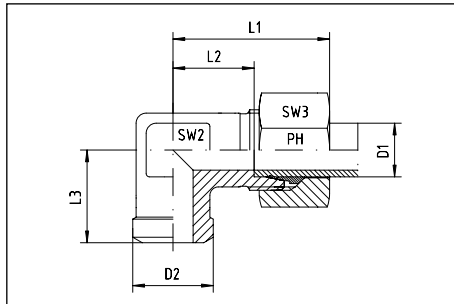
Straight welding bosses



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D1	D2	L1	L2	SW1	SW3	
L	315	6	10	29	14,0	12	14	ASV-L-06
L	315	8	12	31	16,0	14	17	ASV-L-08
L	315	10	14	33	18,0	17	19	ASV-L-10
L	315	12	16	33	18,0	19	27	ASV-L-12
L	315	15	19	37	22,0	22	27	ASV-L-15
L	315	18	22	40	23,5	27	32	ASV-L-18
L	160	22	27	45	28,5	32	36	ASV-L-22
L	160	28	32	47	30,5	41	41	ASV-L-28
L	160	35	40	54	32,5	46	50	ASV-L-35
L	160	42	46	58	35,0	55	60	ASV-L-42
S	630	6	11	34	19,0	14	17	ASV-S-06
S	630	8	13	36	21,0	17	19	ASV-S-08
S	630	10	15	39	22,5	19	22	ASV-S-10
S	630	12	17	41	24,5	22	24	ASV-S-12
S	630	14	19	45	27,0	24	27	ASV-S-14
S	400	16	21	45	26,5	27	30	ASV-S-16
S	400	20	26	51	29,5	32	36	ASV-S-20
S	400	25	31	56	32,0	41	46	ASV-S-25
S	400	30	36	62	35,5	46	50	ASV-S-30
S	315	38	44	69	38,0	55	60	ASV-S-38

Winkel-Anschweißverschraubungen

Elbow-welding-couplings



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions					Bestellzeichen Order-Code
		D1	D2	L1	L2	L3	SW2	SW3	
L	315	6	10	27	12,0	19	12	14	WAS-L-06
L	315	8	12	29	14,0	23	12	17	WAS-L-08
L	315	10	14	30	15,0	24	14	19	WAS-L-10
L	315	12	16	32	17,0	25	17	22	WAS-L-12
L	315	15	19	36	21,0	30	19	27	WAS-L-15
L	315	18	22	40	23,5	33	24	32	WAS-L-18
L	160	22	27	44	27,5	37	27	36	WAS-L-22
L	160	28	32	47	30,5	42	36	41	WAS-L-28
L	160	35	40	56	34,5	49	41	50	WAS-L-35
L	160	42	46	63	40,0	57	50	60	WAS-L-42
S	630	6	11	31	16,0	23	12	17	WAS-S-06
S	630	8	13	32	17,0	24	14	19	WAS-S-08
S	630	10	15	34	17,5	25	17	22	WAS-S-10
S	630	12	17	38	21,5	29	17	24	WAS-S-12
S	630	14	19	40	22,0	30	19	27	WAS-S-14
S	400	16	21	43	24,5	33	24	30	WAS-S-16
S	400	20	26	48	26,5	37	27	36	WAS-S-20
S	400	25	31	54	30,0	42	36	46	WAS-S-25
S	400	30	36	62	35,5	49	41	50	WAS-S-30
S	315	38	44	72	41,0	57	50	60	WAS-S-38

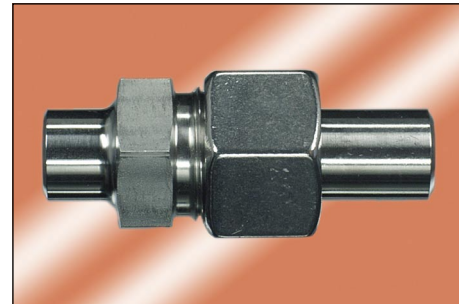
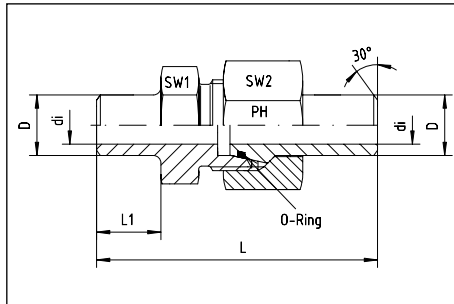
SCHWEIßKEGEL- VERSCHRAUBUNGEN



WELDING NIPPLE COUPLINGS

mit O-Ring Abdichtung - NBR
Auf Anfrage: Viton

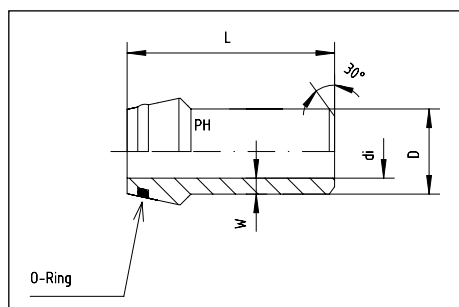
with O-ring gasket - NBR
On request: Viton



Reihe Series	Druck Pressure PN	Rohr A. D. Tube O. D.	ca. Maße approx. dimensions							O-Ring O-ring	Bestellzeichen Order-Code
			L	L1	D	di	SW1	SW3			
S	528	6 x 1,5			6	3	14	17	4,0 x 1,5	ASV K 6x1,5	
S	414	8 x 1,5			8	5	17	19	6,0 x 1,5	ASV K 8x1,5	
S	528	8 x 2			8	4	17	19	6,0 x 1,5	ASV K 8x2	
S	249	10 x 1	58,0	10,0	10	8	19	22	7,5 x 1,5	ASV K 10x1	
S	358	10 x 1,5	58,0	10,0	10	7	19	22	7,5 x 1,5	ASV K 10x1,5	
S	460	10 x 2	58,0	10,0	10	6	19	22	7,5 x 1,5	ASV K 10x2	
S	305	12 x 1,5	63,0	15,0	12	9	22	24	9,0 x 1,5	ASV K 12x1,5	
S	393	12 x 2	63,0	15,0	12	8	22	24	9,0 x 1,5	ASV K 12x2	
S	476	12 x 2,5	63,0	15,0	12	7	22	24	9,0 x 1,5	ASV K 12x2,5	
S	343	14 x 2			14	10	24	27	10,0 x 2,0	ASV K 14x2	
S	487	14 x 3			14	8	24	27	10,0 x 2,0	ASV K 14x3	
S	305	16 x 2	73,5	16,5	16	12	27	30	12,0 x 2,0	ASV K 16x2	
S	372	16 x 2,5	73,5	16,5	16	11	27	30	12,0 x 2,0	ASV K 16x2,5	
S	400	16 x 3	73,5	16,5	16	10	27	30	12,0 x 2,0	ASV K 16x3	
S	249	20 x 2	83,5	19,0	20	16	32	36	16,3 x 2,4	ASV K 20x2	
S	305	20 x 2,5	83,5	19,0	20	15	32	36	16,3 x 2,4	ASV K 20x2,5	
S	358	20 x 3	83,5	19,0	20	14	32	36	16,3 x 2,4	ASV K 20x3	
S	400	20 x 4	83,5	19,0	20	12	32	36	16,3 x 2,4	ASV K 20x4	
S	294	25 x 3	92,5	19,5	25	19	41	46	20,3 x 2,4	ASV K 25x3	
S	379	25 x 4	92,5	19,5	25	17	41	46	20,3 x 2,4	ASV K 25x4	
S	400	25 x 5	92,5	19,5	25	15	41	46	20,3 x 2,4	ASV K 25x5	
S	249	30 x 3	101,5	23,0	30	24	46	50	25,3 x 2,4	ASV K 30x3	
S	323	30 x 4	101,5	23,0	30	22	46	50	25,3 x 2,4	ASV K 30x4	
S	393	30 x 5	101,5	23,0	30	20	46	50	25,3 x 2,4	ASV K 30x5	
S	400	30 x 6	101,5	23,0	30	18	46	50	25,3 x 2,4	ASV K 30x6	
S	261	38 x 4	108,0	22,0	38	30	55	60	33,3 x 2,4	ASV K 38x4	
S	315	38 x 5	108,0	22,0	38	28	55	60	33,3 x 2,4	ASV K 38x5	
S	315	38 x 6	108,0	22,0	38	26	55	60	33,3 x 2,4	ASV K 38x6	
S	315	38 x 7	108,0	22,0	38	24	55	60	33,3 x 2,4	ASV K 38x7	
S	250	50 x 5	118,0	23,0	50	40	70	80	46,0 x 3,0	ASV K 50x5	
S	310	50 x 6	118,0	23,0	50	38	70	80	46,0 x 3,0	ASV K 50x6	
S	350	50 x 7	118,0	23,0	50	36	70	80	46,0 x 3,0	ASV K 50x7	

mit O-Ring
 Abdichtung - NBR
 Auf Anfrage: Viton
 Passend in 24°-Innenkonus (Bohrungsform W DIN 3861)

with O-ring
 Gasket - NBR
 On request: Viton
 matching type 24°-inside tapers (bore type W DIN 3861)



Reihe Series	Druck Pressure PN	D x W	ca. Maße approx. dimensions		O-Ring O-ring	Bestellzeichen Order-Code
			di	L		
L + S	528	6 x 1,5	3	31,0	4,0 x 1,5	SKV 6x1,5
L + S	414	8 x 1,5	5	31,0	6,0 x 1,5	SKV 8x1,5
L + S	528	8 x 2	4	31,0	6,0 x 1,5	SKV 8x2
L + S	249	10 x 1	8	32,5	7,5 x 1,5	SKV 10x1
L + S	358	10 x 1,5	7	32,5	7,5 x 1,5	SKV 10x1,5
L + S	460	10 x 2	6	32,5	7,5 x 1,5	SKV 10x2
L + S	305	12 x 1,5	9	32,5	9,0 x 1,5	SKV 12x1,5
L + S	393	12 x 2	8	32,5	9,0 x 1,5	SKV 12x2
L + S	476	12 x 2,5	7	32,5	9,0 x 1,5	SKV 12x2,5
L + S		12 x 3	6	32,5	9,0 x 1,5	SKV 12x3
S	343	14 x 2	10	40,0	10,0 x 2,0	SKV 14x2
S		14 x 2,5	9	40,0	10,0 x 2,0	SKV 14x2,5
S	487	14 x 3	8	40,0	10,0 x 2,0	SKV 14x3
L		15 x 1,5	12	36,0	12,0 x 2,0	SKV 15x1,5
L	323	15 x 2	11	36,0	12,0 x 2,0	SKV 15x2
L	393	15 x 2,5	10	36,0	12,0 x 2,0	SKV 15x2,5
S	305	16 x 2	12	38,5	12,0 x 2,0	SKV 16x2
S	372	16 x 2,5	11	38,5	12,0 x 2,0	SKV 16x2,5
S	435	16 x 3	10	38,5	12,0 x 2,0	SKV 16x3
L		18 x 1,5	15	37,0	15,0 x 2,0	SKV 18x1,5
L		18 x 2	14	37,0	15,0 x 2,0	SKV 18x2
L	335	18 x 2,5	13	37,0	15,0 x 2,0	SKV 18x2,5
S	249	20 x 2	16	44,5	16,3 x 2,4	SKV 20x2
S	305	20 x 2,5	15	44,5	16,3 x 2,4	SKV 20x2,5
S	358	20 x 3	14	44,5	16,3 x 2,4	SKV 20x3
S	460	20 x 4	12	44,5	16,3 x 2,4	SKV 20x4
L		22 x 2	18	38,5	20,0 x 2,0	SKV 22x2
L	280	22 x 2,5	17	38,5	20,0 x 2,0	SKV 22x2,5
L		22 x 3	16	38,5	20,0 x 2,0	SKV 22x3
S	294	25 x 3	19	49,5	20,3 x 2,4	SKV 25x3
S	337	25 x 3,5	18	49,5	20,3 x 2,4	SKV 25x3,5
S	379	25 x 4	17	49,5	20,3 x 2,4	SKV 25x4
S	460	25 x 5	15	49,5	20,3 x 2,4	SKV 25x5
L		28 x 2	24	41,5	26,0 x 2,0	SKV 28x2
L	224	28 x 2,5	23	41,5	26,0 x 2,0	SKV 28x2,5
L	265	28 x 3	22	41,5	26,0 x 2,0	SKV 28x3
S	249	30 x 3	27	52,0	25,3 x 2,4	SKV 30x3
S	323	30 x 4	22	52,0	25,3 x 2,4	SKV 30x4
S	393	30 x 5	20	52,0	25,3 x 2,4	SKV 30x5
S	460	30 x 6	18	52,0	25,3 x 2,4	SKV 30x6
L		35 x 2	31	47,0	32,0 x 2,5	SKV 35x2
L		35 x 2,5	30	47,0	32,0 x 2,5	SKV 35x2,5
L		35 x 3	29	47,0	32,0 x 2,5	SKV 35x3
L	249	35 x 3,5	28	47,0	32,0 x 2,5	SKV 35x3,5
S	261	38 x 4	30	56,5	33,3 x 2,4	SKV 38x4
S	319	38 x 5	28	56,5	33,3 x 2,4	SKV 38x5
S	375	38 x 6	26	56,5	33,3 x 2,4	SKV 38x6
S	429	38 x 7	24	56,5	33,3 x 2,4	SKV 38x7
L		42 x 2	38	47,0	38,0 x 2,5	SKV 42x2
L		42 x 2,5	37	47,0	38,0 x 2,5	SKV 42x2,5
L	182	42 x 3	36	47,0	38,0 x 2,5	SKV 42x3
L	238	42 x 4	34	47,0	38,0 x 2,5	SKV 42x4
S	250	50 x 5	40	61,0	46,0 x 3,0	SKV 50x5
S	310	50 x 6	38	61,0	46,0 x 3,0	SKV 50x6
S	350	50 x 7	36	61,0	46,0 x 3,0	SKV 50x7

mit O-Ring - NBR

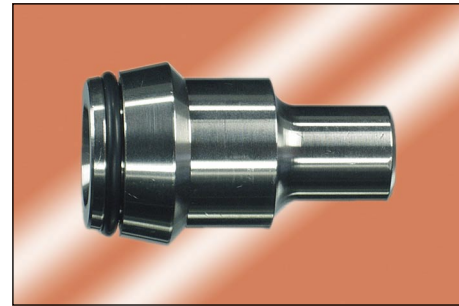
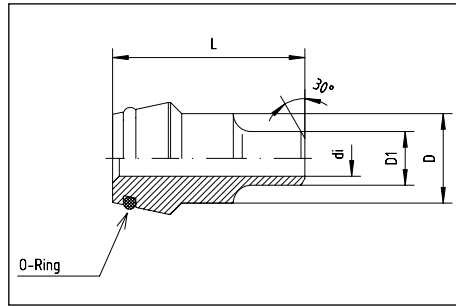
Auf Anfrage: Viton

Passend in 24°-Innenkonus (Bohrungsform W DIN 3861)

with O-ring - NBR

On request: Viton

matching type 24°-inside tapers (bore type W DIN 3861)



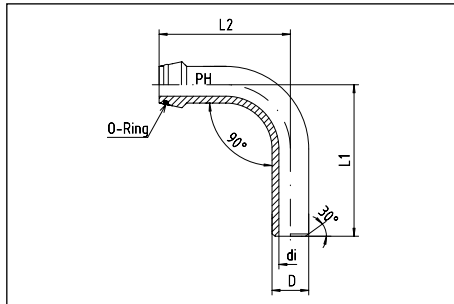
Reihe Series	Druck Pressure PN	ca. Maße approx. dimensions				O-Ring O-ring	Bestellzeichen Order-Code
		D	D1	di	L		
S		8	6	4	30	6,0 x 1,5	SKV-R-8/6x1
S	528	8	6	3	30	6,0 x 1,5	SKV-R-8/6x1,5
S	414	10	8	5	32	7,5 x 1,5	SKV-R-10/8x1,5
S	528	10	8	4	32	7,5 x 1,5	SKV-R-10/8x2
S	528	10	6	3	32	7,5 x 1,5	SKV-R-10/6x1,5
S	358	12	10	7	32	9,0 x 1,5	SKV-R-12/10x1,5
S	460	12	10	6	32	9,0 x 1,5	SKV-R-12/10x2
S	414	12	8	5	32	9,0 x 1,5	SKV-R-12/8x1,5
S		12	6	4	32	9,0 x 1,5	SKV-R-12/6x1
S	528	12	6	3	32	9,0 x 1,5	SKV-R-12/6x1,5
S	393	16	12	8	39	12,0 x 2,0	SKV-R-16/12x2
S	460	16	10	6	39	12,0 x 2,0	SKV-R-16/10x2
S	414	16	8	5	39	12,0 x 2,0	SKV-R-16/8x1,5
S	435	20	16	10	43	16,3 x 2,4	SKV-R-20/16x3
S	372	20	16	11	43	16,3 x 2,4	SKV-R-20/16x2,5
S	305	20	16	12	43	16,3 x 2,4	SKV-R-20/16x2
S	393	20	12	8	43	16,3 x 2,4	SKV-R-20/12x2
S	358	20	10	7	43	16,3 x 2,4	SKV-R-20/10x1,5
S	414	20	8	5	43	16,3 x 2,4	SKV-R-20/8x1,5
S	358	25	20	14	50	20,3 x 2,4	SKV-R-25/20x3
S	305	25	20	15	50	20,3 x 2,4	SKV-R-25/20x2,5
S	249	25	20	16	50	20,3 x 2,4	SKV-R-25/20x2
S	435	25	16	10	50	20,3 x 2,4	SKV-R-25/16x3
S	372	25	16	11	50	20,3 x 2,4	SKV-R-25/16x2,5
S	305	25	16	12	50	20,3 x 2,4	SKV-R-25/16x2
S	393	25	12	8	50	20,3 x 2,4	SKV-R-25/12x2
S	460	25	10	6	50	20,3 x 2,4	SKV-R-25/10x2
S	294	30	25	19	52	25,3 x 2,4	SKV-R-30/25x3
S	358	30	20	14	52	25,3 x 2,4	SKV-R-30/20x3
S	435	30	16	10	52	25,3 x 2,4	SKV-R-30/16x3
S	393	30	12	8	52	25,3 x 2,4	SKV-R-30/12x2
S	323	38	30	22	58	33,3 x 2,4	SKV-R-38/30x4
S	249	38	30	24	58	33,3 x 2,4	SKV-R-38/30x3
S	379	38	25	17	58	33,3 x 2,4	SKV-R-38/25x4
S	294	38	25	19	58	33,3 x 2,4	SKV-R-38/25x3
S	358	38	20	14	58	33,3 x 2,4	SKV-R-38/20x3
S	305	38	20	15	58	33,3 x 2,4	SKV-R-38/20x2,5
S	435	38	16	10	58	33,3 x 2,4	SKV-R-38/16x3
S	305	38	16	12	58	33,3 x 2,4	SKV-R-38/16x2
S	393	38	12	8	58	33,3 x 2,4	SKV-R-38/12x2

90°

Abdichtung - NBR

Auf Anfrage: Viton

Passend in 24°-Innenkonus (Bohrungsform W DIN 3861)



90°

Gasket - NBR

On request: Viton

matching type 24°-inside tapers (bore type W DIN 3861)



Reihe Series	Druck Pressure PN	Rohr Tube	ca. Maße approx. dimensions				O-Ring O-ring	Bestellzeichen Order-Code
			D	di	L1	L2		
S	460	10 x 2	10	6	65	56	7,5 x 1,5	SKV-RB-10x2
S	393	12 x 2	12	8	63	64	9,0 x 1,5	SKV-RB-12x2
S	476	12 x 2,5	12	7	63	64	9,0 x 1,5	SKV-RB-12x2,5
S	305	16 x 2	16	12	58	66	12,0 x 2,0	SKV-RB-16x2
S	372	16 x 2,5	16	11	58	66	12,0 x 2,0	SKV-RB-16x2,5
S	435	16 x 3	16	10	58	66	12,0 x 2,0	SKV-RB-16x3
S	249	20 x 2	20	16	89	86	16,3 x 2,4	SKV-RB-20x2
S	305	20 x 2,5	20	15	89	86	16,3 x 2,4	SKV-RB-20x2,5
S	358	20 x 3	20	14	89	86	16,3 x 2,4	SKV-RB-20x3
S	294	25 x 3	25	19	104	91	20,3 x 2,4	SKV-RB-25x3
S	379	25 x 4	25	17	104	91	20,3 x 2,4	SKV-RB-25x4
S	460	25 x 5	25	15	104	91	20,3 x 2,4	SKV-RB-25x5
S	323	30 x 4	30	22	133	120	25,3 x 2,4	SKV-RB-30x4
S	393	30 x 5	30	20	133	120	25,3 x 2,4	SKV-RB-30x5
S	460	30 x 6	30	18	133	120	25,3 x 2,4	SKV-RB-30x6
S	261	38 x 4	38	30	175	147	33,3 x 2,4	SKV-RB-38x4
S	319	38 x 5	38	28	175	147	33,3 x 2,4	SKV-RB-38x5
S	375	38 x 6	38	26	175	147	33,3 x 2,4	SKV-RB-38x6
S	429	38 x 7	38	24	175	147	33,3 x 2,4	SKV-RB-38x7

**WINKEL-DREHVERSCHRÄUBUNGEN
ELBOW-ROTARY-COUPPLINGS**

DREH - VERSCHRÄUBUNGEN

ROTARY - COUPLINGS

11.3

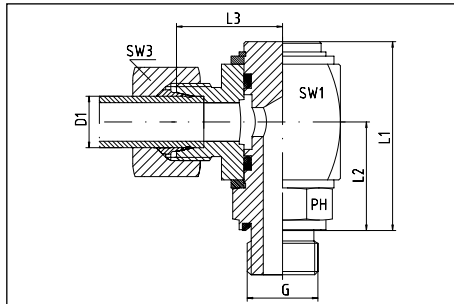
Winkel-Drehverschraubungen

Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch

Ausführung: Gehäuse aus Vierkantstahl

Dichtungskombination:

- O-Ring + wd = Viton / FPM
- Stützring = PTFE



Elbow rotary couplings

Thread G: BSP - parallel

Construction: Bodies made from steel bar

Sealing combination:

- O-ring + wd-seal = Viton / FPM
- Backing ring = PTFE



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D.		ca. Maße approx. dimensions					Bestellzeichen Order-Code	
		D1	G	L1	L2	L3	SW1	SW3		
L	250	6	1/8"	40,0	21,0	23,0	27,0	14	DGWE-L-06-G 1/8"-wd	
L	250	6	1/4"	41,0	22,0	23,0	27,0	14	DGWE-L-06-G 1/4"-wd	
L	250	8	1/4"	46,0	25,0	25,0	30,0	17	DGWE-L-08-G 1/4"-wd	
L	250	10	1/4"	46,0	25,0	26,0	30,0	19	DGWE-L-10-G 1/4"-wd	
L	250	12	3/8"	47,5	26,5	24,5	27,0	22	DGWE-L-12-G 3/8"-wd	
L	250	12	1/2"	58,5	33,5	30,0	36,0	22	DGWE-L-12-G 1/2"-wd	
L	250	15	1/2"	58,5	33,5	31,0	36,0	27	DGWE-L-15-G 1/2"-wd	
L	160	18	1/2"	58,5	33,5	31,0	36,0	32	DGWE-L-18-G 1/2"-wd	
L	160	22	3/4"	66,0	54,0	35,0	41,0	36	DGWE-L-22-G 3/4"-wd	
L	100	28	1"	78,0	41,0	53,0	55,0	41	DGWE-L-28-G 1"-wd	
L	100	35	1 1/4"	92,0	51,0	66,0	70,0	50	DGWE-L-35-G 1 1/4"-wd	
L	100	42	1 1/2"	102,0	56,0	74,0	80,0	60	DGWE-L-42-G 1 1/2"-wd	
S	400	6	1/4"	41,0	22,0	25,0	27,0	17	DGWE-S-06-G 1/4"-wd	
S	400	8	1/4"	41,0	22,0	25,0	27,0	19	DGWE-S-08-G 1/4"-wd	
S	400	10	3/8"	47,5	26,5	25,5	27,0	22	DGWE-S-10-G 3/8"-wd	
S	400	12	3/8"	47,0	26,0	27,0	30,0	24	DGWE-S-12-G 3/8"-wd	
S	400	14	1/2"	58,5	33,5	33,0	36,0	27	DGWE-S-14-G 1/2"-wd	
S	400	16	1/2"	58,5	33,5	33,0	36,0	30	DGWE-S-16-G 1/2"-wd	
S	250	20	3/4"	66,0	54,0	37,0	41,0	36	DGWE-S-20-G 3/4"-wd	
S	250	25	1"	78,0	41,0	57,0	55,0	46	DGWE-S-25-G 1"-wd	
S	250	30	1 1/4"	92,0	51,0	70,0	70,0	50	DGWE-S-30-G 1 1/4"-wd	
S	250	38	1 1/2"	102,0	56,0	80,0	80,0	60	DGWE-S-38-G 1 1/2"-wd	

Anwendung:

Drehverschraubungen sind Verbindungselemente für die Übertragung von Schwenk- und Drehbewegungen mit geringer Winkelgeschwindigkeit zwischen Aggregaten und Leitungen. Die Verbindungen sind wartungsfrei, ohne Leckverluste und haben niedrige Anlaufdrehmomente.

Hinweis: Zum Ausgleich jeder Fluchtungsungenauigkeit wird die Verwendung eines flexiblen Anschlusses dringend empfohlen.

Die Lebensdauer der Dichtelemente ist abhängig vom Betriebsdruck, der Gleitgeschwindigkeit und dem Medium.

Temperatur -15°C bis +100°C

Andere Anschlussarten und Dichtungskombinationen auf Anfrage.

Application:

Swivel banjos are designed to connect rigid tube to equipment for transmission of swivelling movement and rotation at low angular velocity. These couplings have a low starting torque, are leak free and require no maintenance.

Note: To compensate any misalignment, the use of a flexible connection is recommended.

Life of the sealing elements is dependent upon operating pressure, turning speed and medium.

Temperature: -15°C to +100°C

Other connections and sealing combinations on request.

VORMONTAGESTUTZEN UND SCHMIERSTOFFE PRE-INSTALLATION DIES AND LUBRICANTS

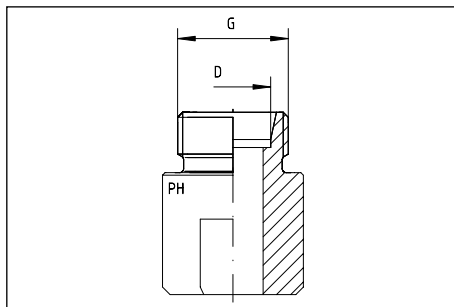
VORMONTAGESTUTZEN	PRE-INSTALLATION DIES	12.3
SCHMIERSTOFFE	LUBRICANTS	12.4

VORMONTAGESTUTZEN

PRE-INSTALLATION DIES

Stahl - gehärtet
für Montage von Hand

steel - hardened
for assembly by hand



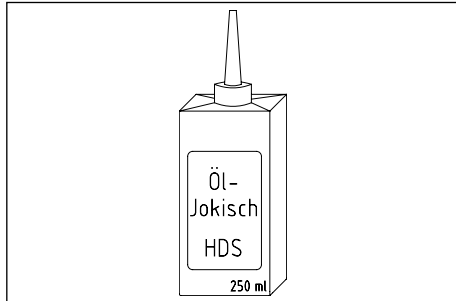
Reihe Series	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions G	Bestellzeichen Order-Code
LL	4	M 8 x 1	VOST-LL-04
LL	6	M 10 x 1	VOST-LL-06
LL	8	M 12 x 1	VOST-LL-08
L	6	M 12 x 1,5	VOST-L-06
L	8	M 14 x 1,5	VOST-L-08
L	10	M 16 x 1,5	VOST-L-10
L	12	M 18 x 1,5	VOST-L-12
L	15	M 22 x 1,5	VOST-L-15
L	18	M 26 x 1,5	VOST-L-18
L	22	M 30 x 2	VOST-L-22
L	28	M 36 x 2	VOST-L-28
L	35	M 45 x 2	VOST-L-35
L	42	M 52 x 2	VOST-L-42
S	6	M 14 x 1,5	VOST-S-06
S	8	M 16 x 1,5	VOST-S-08
S	10	M 18 x 1,5	VOST-S-10
S	12	M 20 x 1,5	VOST-S-12
S	14	M 22 x 1,5	VOST-S-14
S	16	M 24 x 1,5	VOST-S-16
S	20	M 30 x 2	VOST-S-20
S	25	M 36 x 2	VOST-S-25
S	30	M 42 x 2	VOST-S-30
S	38	M 52 x 2	VOST-S-38

für die Montage von Schraubverbindungen
aus Edelstahl

for assembly of stainless steel couplings

Öl-Jokisch HDS 400 á 250 ml
-20°C bis +120°C

Oil-Jokisch HDS 400 á 250 ml
-20°C to +120°C



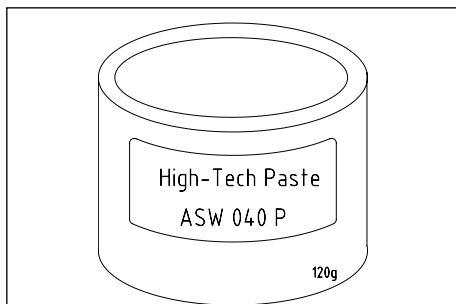
Weißer Paste - Gleitmo 810 á 50 g
-25°C bis +80°C

White grease paste - Gleitmo 810 á 50 g
-25°C to +80°C



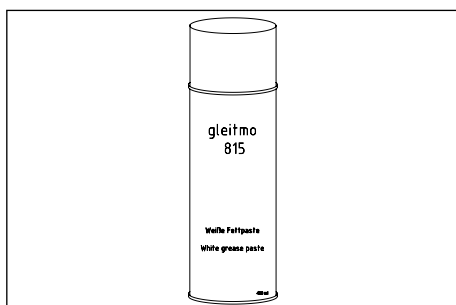
High-Tech Paste ASW 040 P á 120 g - metallfrei
-40°C bis +1400°C

High-Tech grease paste ASW 040 P á 120 g - metalfree
-40°C to +1400°C



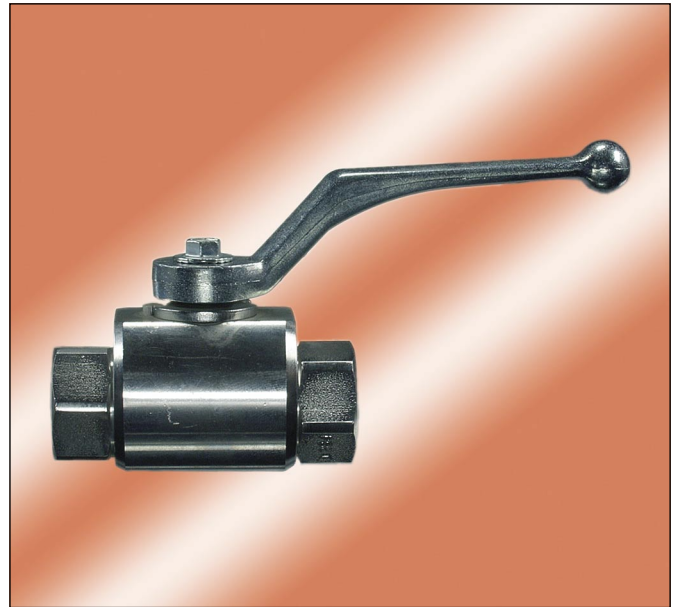
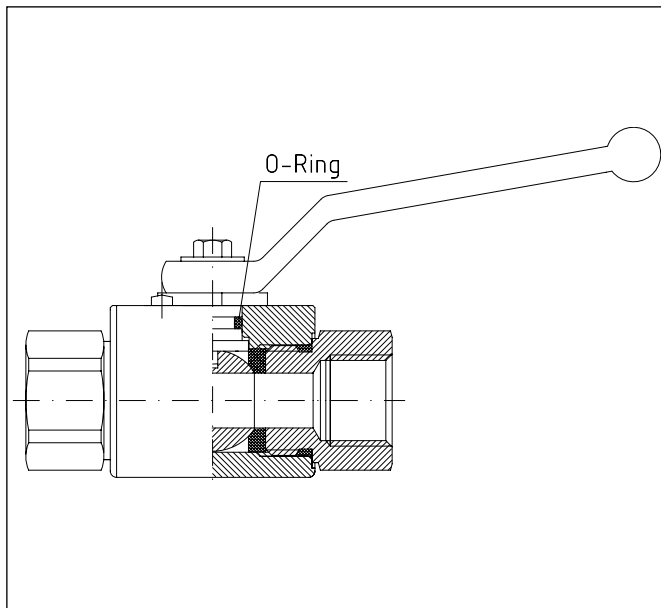
Weißer Fettpaste - Gleitmo 815
-45°C / +110°C; kurzzeitig bis 180°C
Sprühdose á 400 ml

White grease paste - Gleitmo 815
-45°C / +110°C; short term +180°C
Aerosol á 400 ml



KUGELHÄHNE UND ABSPERRVENTILE BALL-VALVES AND SPINDLE VALVES

EDELSTAHL-KUGELHÄHNE - RKH	STAINLESS STEEL BALL VALVES - RKH	13.3
EDELSTAHL-KUGELHÄHNE - RKH	STAINLESS STEEL BALL VALVES - RKH	13.4
BESTELLZEICHEN - WERKSTOFFKOMBINATIONEN - RKH	ORDER-CODE - COMBINATION OF MATERIALS - RKH	13.5
EDELSTAHL-KUGELHÄHNE - RKH - ANSCHLUßARTEN	STAINLESS STEEL BALL VALVES - RKH - CONNECTION	13.6
DREIWEGE-UMSCHALT-KUGEL-HÄHNE - BK 3	THREE-WAY BALL VALVES - BK 3	13.7
DREIWEGE-UMSCHALT-KUGEL-HÄHNE - BK 3	THREE-WAY BALL VALVES - BK 3	13.8
BESTELLZEICHEN - WERKSTOFFKOMBINATIONEN - BK 3 - LA	ORDER-CODE - COMBINATION OF MATERIALS - BK 3 - LA	13.9
BESTELLZEICHEN - WERKSTOFFKOMBINATIONEN - BK 3 - TA	ORDER-CODE - COMBINATION OF MATERIALS - BK 3 - TA	13.10
DREIWEGE-UMSCHALT-KUGEL-HÄHNE - BK 3 - ANSCHLUßARTEN	THREE-WAY BALL VALVES - BK 3 - CONNECTION	13.11
HOCHDRUCK-FLANSCH-KUGELHÄHNE	HIGH PRESSURE FLANGE BALL VALVES	13.12
NIEDERDRUCK-KUGELHÄHNE - 2-WEGE	LOW PRESSURE BALL VALVES - 2-PORTS	13.13
NIEDERDRUCK-KUGELHÄHNE - 3-WEGE - L-BOHRUNG	LOW PRESSURE BALL VALVES - 3-WAY - L-BORE	13.14
NIEDERDRUCK-KUGELHÄHNE - 3-WEGE - T-BOHRUNG	LOW PRESSURE BALL VALVES - 3-WAY - T-BORE	13.15
HOCHDRUCK-ABSPERRVENTILE - HVB	HIGH PRESSURE VALVES - HVB	13.16
HOCHDRUCK-ABSPERRVENTILE - HVA	HIGH PRESSURE VALVES - HVA	13.17
NADELVENTILE	NEEDLE VALVES	13.18



Edelstahl-Kugelhähne RKH

Serie 020

DN 4 bis DN 50

Gehäuse, Stutzen, Kugel und Schaltwelle nichtrostender Stahl, V4a (AISI 316).

Unsere Kugelhähne werden einzeln einer Prüfung auf Festigkeit, Dichtheit und besonderen geltenden Richtlinien unterzogen.

Abnahmeprüfzeugnis 3.1 B oder 3.1 C nach DIN EN 10204 kann auf Anfrage, gegen Berechnung, mitgeliefert werden.

Andere Werkstoffe wie 254Smo oder Hastelloy, etc. auf Anfrage.

Stainless steel ball valves RKH

Series 020

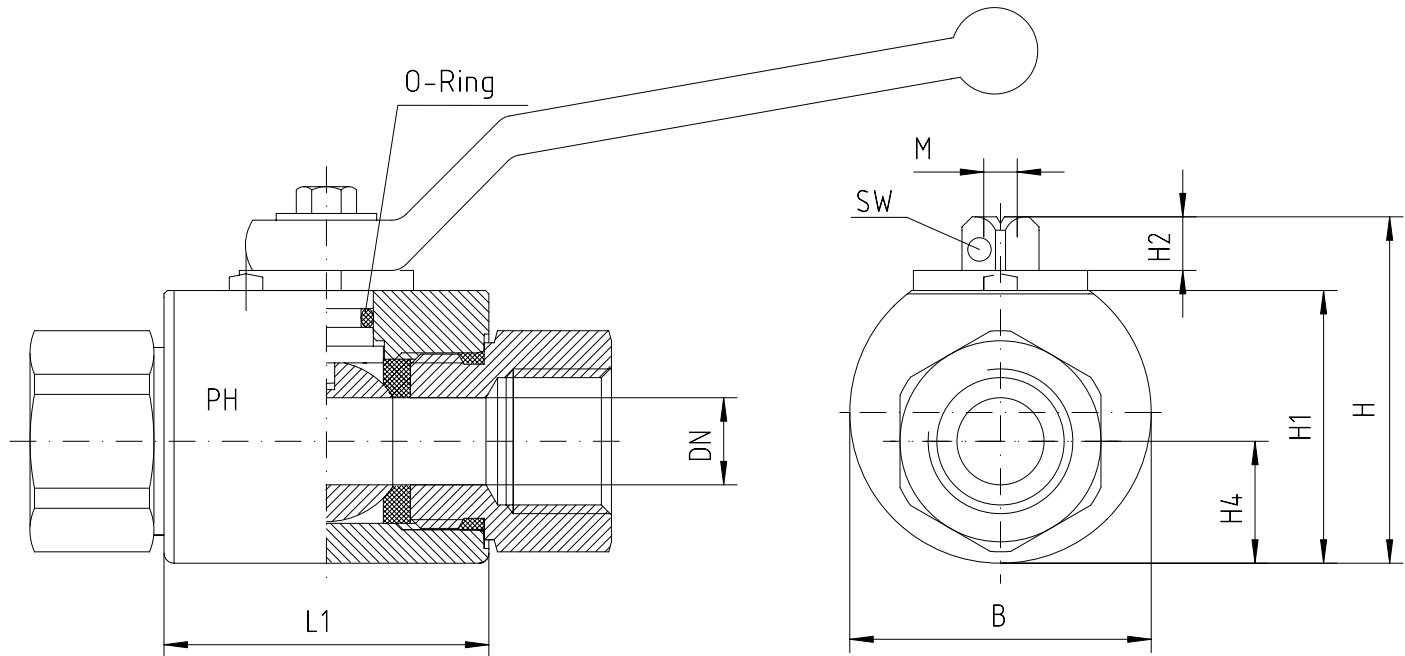
DN 4 to DN 50

Body, connecting parts, ball and stem stainless steel, V4a (AISI 316).

Each PH ball valve is subject to an inspection for resistance, sealing and special characteristics.

Inspection control certificates 3.1 B or 3.1 C per DIN EN 10204 can be supplied on request against invoice.

Other materials as 254Smo or Hastelloy, etc. on request.



Gehäusemaße gültig für alle Kombinationen
Body dimensions are for all the combinations

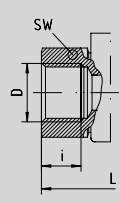
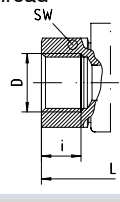
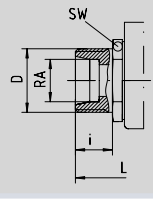
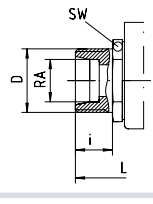
DN mm	PB bar	L1 mm	B mm	H mm	H1 mm	H2 mm	H4 mm	M mm	SW \varnothing mm
5	500	36	35	43,5	32	8,0	13,0	M 5	9
6	500	36	35	43,5	32	8,0	13,0	M 5	9
8	500	36	35	43,5	32	8,0	13,0	M 5	9
10	500	43	42	49,5	38	8,0	16,5	M 5	9
13	500	48	45	51,5	40	8,0	17,5	M 5	9
16	400	48	50	62,0	46	12,0	19,0	M 6	12
20	400	62	60	73,0	57	12,0	24,5	M 6	14
24	400	66	65	79,0	63	12,0	28,0	M 6	14
32	350	81	90	104,0	84	13,5	38,0	M 8	17
38	350	86	100	112,0	93	13,5	42,5	M 8	17
48	350	101	120	131,0	111	13,5	50,0	M 8	19

↑
Der angegebene Betriebsdruck PB ist nur gültig für die Standardausführung 4423.
The indicated working pressure PB is only valid for the standard version 4423.

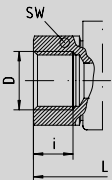
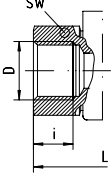
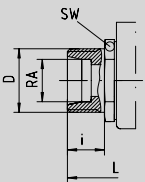
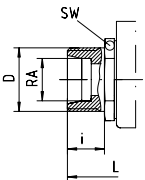
BESTELLZEICHEN WERKSTOFFKOMBINATIONEN



ORDER-CODE COMBINATION OF MATERIALS

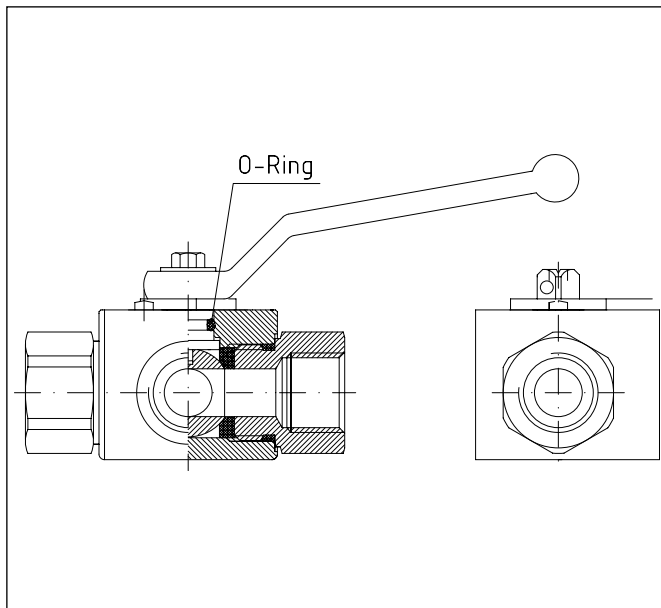
Gehäuseteile / Body Kugel / Ball Schaltwelle / Stem Kugeldichtung / Ball sealing Schaltwellendichtung / Stem sealing				V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) PTFE (bis/to 100 bar) FKM	V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) PTFE (bis/to 100 bar) EPDM	V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) POM NBR
Anschlußart / Connection	DN	D	RA	Korrosive Medien Corrosive media -20°C bis/to 100°C	Wasser und Dampf Water and steam -20°C bis/to 140°C	Hydraulik - Standardausführung Hydraulics - Standard version -20°C bis/to 100°C
				Bestellzeichen Order-Code	Bestellzeichen Order-Code	Bestellzeichen Order-Code
01 Rohrgewinde DIN ISO 228 BSP female thread DIN ISO 228 	5	G 1/8"		RKH G 1/8"-4445	RKH G 1/8"-4446	RKH G 1/8"-4423
	6	G 1/4"		RKH G 1/4"-4445	RKH G 1/4"-4446	RKH G 1/4"-4423
	10	G 3/8"		RKH G 3/8"-4445	RKH G 3/8"-4446	RKH G 3/8"-4423
	13	G 1/2"		RKH G 1/2"-4445	RKH G 1/2"-4446	RKH G 1/2"-4423
	16	G 5/8"		RKH G 5/8"-4445	RKH G 5/8"-4446	RKH G 5/8"-4423
	20	G 3/4"		RKH G 3/4"-4445	RKH G 3/4"-4446	RKH G 3/4"-4423
	24	G 1"		RKH G 1"-4445	RKH G 1"-4446	RKH G 1"-4423
	32	G 1 1/4"		RKH G 1 1/4"-4445	RKH G 1 1/4"-4446	RKH G 1 1/4"-4423
	38	G 1 1/2"		RKH G 1 1/2"-4445	RKH G 1 1/2"-4446	RKH G 1 1/2"-4423
	48	G 2"		RKH G 2"-4445	RKH G 2"-4446	RKH G 2"-4423
02 NPT-Innengewinde ANSI B 2.1 NPT-female thread ANSI B 2.1 	5	1/8"-27 NPT		RKH 1/8" NPT-4445	RKH 1/8" NPT-4446	RKH 1/8" NPT-4423
	6	1/4"-18 NPT		RKH 1/4" NPT-4445	RKH 1/4" NPT-4446	RKH 1/4" NPT-4423
	10	3/8"-18 NPT		RKH 3/8" NPT-4445	RKH 3/8" NPT-4446	RKH 3/8" NPT-4423
	13	1/2"-14 NPT		RKH 1/2" NPT-4445	RKH 1/2" NPT-4446	RKH 1/2" NPT-4423
	20	3/4"-14 NPT		RKH 3/4" NPT-4445	RKH 3/4" NPT-4446	RKH 3/4" NPT-4423
	24	1"-11,5 NPT		RKH 1" NPT-4445	RKH 1" NPT-4446	RKH 1" NPT-4423
	32	1 1/4"-11,5 NPT		RKH 1 1/4" NPT-4445	RKH 1 1/4" NPT-4446	RKH 1 1/4" NPT-4423
	38	1 1/2"-11,5 NPT		RKH 1 1/2" NPT-4445	RKH 1 1/2" NPT-4446	RKH 1 1/2" NPT-4423
03 Rohrverschraubung leichte Reihe DIN 2353 For compression fitting light series DIN 2353 	5	M 12 x 1,5	6	RKH 06-L-4445	RKH 06-L-4446	RKH 06-L-4423
	6	M 14 x 1,5	8	RKH 08-L-4445	RKH 08-L-4446	RKH 08-L-4423
	8	M 16 x 1,5	10	RKH 10-L-4445	RKH 10-L-4446	RKH 10-L-4423
	10	M 18 x 1,5	12	RKH 12-L-4445	RKH 12-L-4446	RKH 12-L-4423
	13	M 22 x 1,5	15	RKH 15-L-4445	RKH 15-L-4446	RKH 15-L-4423
	13	M 26 x 1,5	18	RKH 18-L-4445	RKH 18-L-4446	RKH 18-L-4423
	20	M 30 x 2	22	RKH 22-L-4445	RKH 22-L-4446	RKH 22-L-4423
	24	M 36 x 2	28	RKH 28-L-4445	RKH 28-L-4446	RKH 28-L-4423
	32	M 45 x 2	35	RKH 35-L-4445	RKH 35-L-4446	RKH 35-L-4423
	38	M 52 x 2	42	RKH 42-L-4445	RKH 42-L-4446	RKH 42-L-4423
04 Rohrverschraubung schwere Reihe DIN 2353 For compression fitting heavy series DIN 2353 	5	M 14 x 1,5	6	RKH 06-S-4445	RKH 06-S-4446	RKH 06-S-4423
	5	M 16 x 1,5	8	RKH 08-S-4445	RKH 08-S-4446	RKH 08-S-4423
	6	M 18 x 1,5	10	RKH 10-S-4445	RKH 10-S-4446	RKH 10-S-4423
	8	M 20 x 1,5	12	RKH 12-S-4445	RKH 12-S-4446	RKH 12-S-4423
	10	M 22 x 1,5	14	RKH 14-S-4445	RKH 14-S-4446	RKH 14-S-4423
	13	M 24 x 1,5	16	RKH 16-S-4445	RKH 16-S-4446	RKH 16-S-4423
	13	M 30 x 2	20	RKH 20-S-4445	RKH 20-S-4446	RKH 20-S-4423
	20	M 36 x 2	25	RKH 25-S-4445	RKH 25-S-4446	RKH 25-S-4423
	24	M 42 x 2	30	RKH 30-S-4445	RKH 30-S-4446	RKH 30-S-4423
	32	M 52 x 2	38	RKH 38-S-4445	RKH 38-S-4446	RKH 38-S-4423

Maßänderungen vorbehalten
Measurements subject to alteration.

Anschlußart / Connection	DN	D	RA	L	i	SW	Gewicht / Weight kg
01 Rohrgewinde DIN ISO 228 BSP female thread DIN ISO 228 	5	G 1/8"		69	9	22	0,35
	6	G 1/4"		69	12	22	0,35
	10	G 3/8"		73	12	27	0,5
	13	G 1/2"		85	14	30	0,65
	16	G 5/8"		84	14	32	0,75
	20	G 3/4"		96	17	41	1,5
	24	G 1"		113	19	46	1,8
	32	G 1 1/4"		110	20	60	3,8
	38	G 1 1/2"		120	22	70	6,1
	48	G 2"		140	28	85	9,1
02 NPT-Innengewinde ANSI B 2.1 NPT-female thread ANSI B 2.1 	5	1/8"-27 NPT		69	12	22	0,35
	6	1/4"-18 NPT		69	17	22	0,35
	10	3/8"-18 NPT		73	17	27	0,5
	13	1/2"-14 NPT		92	22	30	0,65
	20	3/4"-14 NPT		97	23	41	1,5
	24	1"-11,5 NPT		113	27	46	1,8
	32	1 1/4"-11,5 NPT		115	28	60	3,8
	38	1 1/2"-11,5 NPT		135	28	70	6,1
	48	2"-11,5 NPT		140	30	85	9,1
03* Rohrverschraubung leichte Reihe DIN 2353 For compression fitting light series DIN 2353 	5	M 12 x 1,5	6	67	10	22	0,3
	6	M 14 x 1,5	8	67	10	22	0,3
	8	M 16 x 1,5	10	71	11	22	0,3
	10	M 18 x 1,5	12	75	11	27	0,5
	13	M 22 x 1,5	15	84	12	30	0,6
	13	M 26 x 1,5	18	84	12	30	0,6
	20	M 30 x 2	22	102	14	41	1,5
	24	M 36 x 2	28	108	14	46	1,8
	32	M 45 x 2	35	128	16	60	3,6
	38	M 52 x 2	42	133	16	70	5,9
04* Rohrverschraubung schwere Reihe DIN 2353 For compression fitting heavy series DIN 2353 	5	M 14 x 1,5	6	73	12	22	0,3
	5	M 16 x 1,5	8	73	12	22	0,35
	6	M 18 x 1,5	10	73	12	22	0,35
	8	M 20 x 1,5	12	76	12	22	0,35
	10	M 22 x 1,5	14	84	14	27	0,5
	13	M 24 x 1,5	16	87	14	30	0,6
	13	M 30 x 2	20	91	16	30	0,65
	20	M 36 x 2	25	110	18	41	1,5
	24	M 42 x 2	30	120	20	46	1,9
32	M 52 x 2	38	140	22	60	3,7	

* Max. zulässige Druckstufen (PB) entnehmen Sie bitte den Angaben der Schneidringverschraubungen.

* Max. allowed pressure (PB) see at the date from the compression couplings.



Dreiwege-Umschalt-Kugelhähne BK 3

L- oder T-Bohrung

Serie 100

DN 4 bis DN 50

Gehäuse, Kugel und Schaltwelle, V4a (AISI 316).

Unsere Kugelhähne werden einzeln einer Prüfung auf Festigkeit, Dichtheit und besonderen geltenden Richtlinien unterzogen.

Abnahmeprüfzeugnis 3.1 B oder 3.1 C nach DIN EN 10204 kann auf Anfrage, gegen Berechnung, mitgeliefert werden.

Three-way ball valves BK 3

L- or T-bore

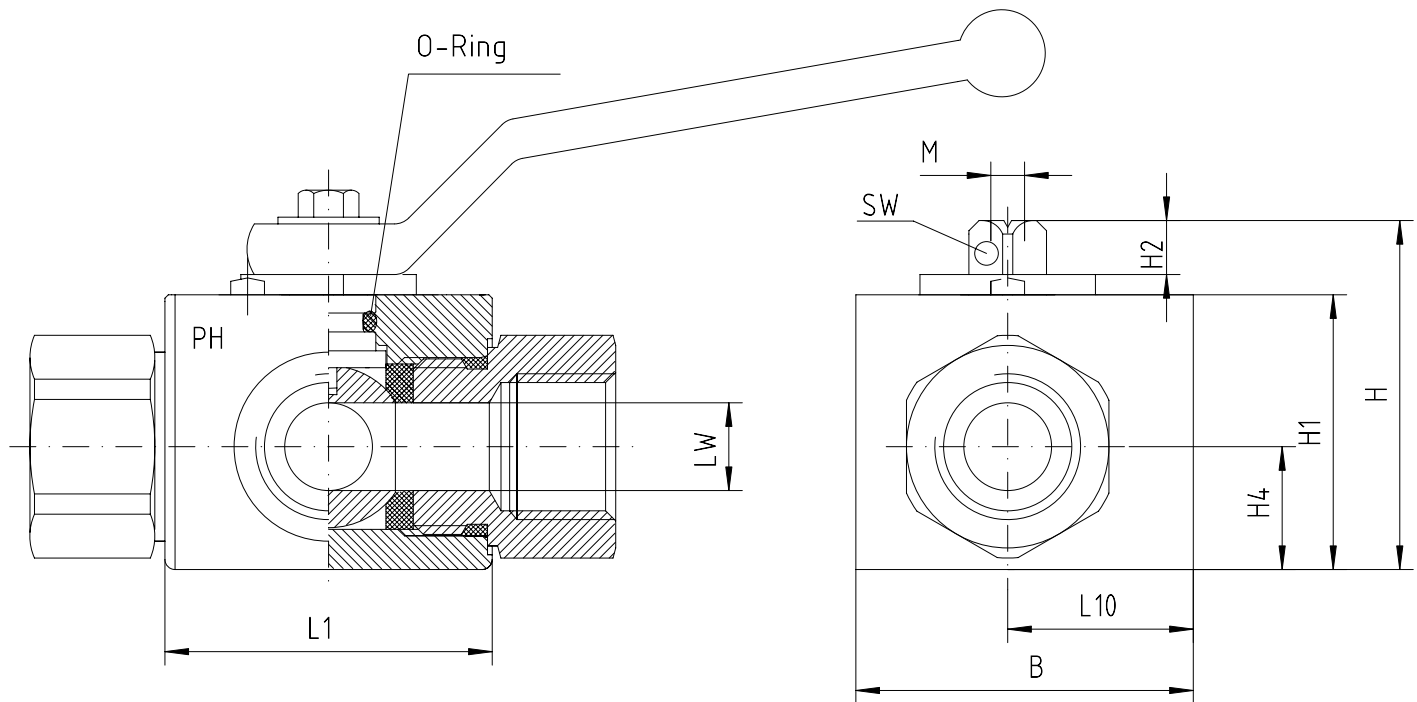
Series 100

DN 4 to DN 50

Body, ball and stem, V4a (AISI 316).

Each PH ball valve is subject to an inspection for resistance, sealing and special characteristics.

Inspection control certificates 3.1 B or 3.1 C per DIN EN 10204 can be supplied on request against invoice.

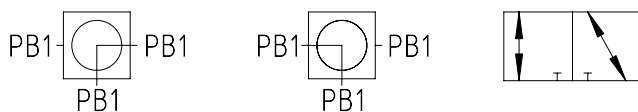


Gehäusemaße gültig für alle Kombinationen
Body dimensions are for all the combinations

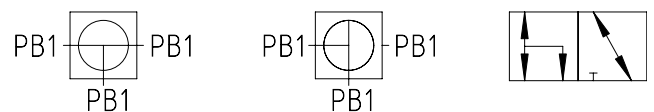
DN mm	PB1 bar	L1 mm	B mm	H mm	H1 mm	H2 mm	H4 mm	M mm	SW ø mm
4	400	36	26	43,5	32	8,0	13,0	M 5	9
6	400	36	26	43,5	32	8,0	13,0	M 5	9
8	400	36	26	43,5	32	8,0	13,0	M 5	9
10	400	43	32	49,0	38	8,0	16,5	M 5	9
13	400	48	35	51,0	40	8,0	17,5	M 5	9
20	320	61	49	73,0	57	12,0	24,5	M 6	14
25	350	65	60	76,0	60	12,0	26,5	M 6	14
32	350	80	76	104,0	84	13,5	38,0	M 8	17
40	250	85	83	113,0	92	13,5	43,0	M 8	17
50	250	100	100	130,0	111	13,5	50,0	M 8	19



Der angegebene Betriebsdruck PB ist nur gültig für die Standardausführung 4423.
The indicated working pressure PB is only valid for the standard version 4423.



Typ LA: L-Bohrung 0° - 90° allseitig druckbeaufschlagbar
Type LA: L-bore 0° - 90° pressured from all ports possible



Typ TA: T-Bohrung 0° - 90° allseitig druckbeaufschlagbar
Type TA: T-bore 0° - 90° pressured from all ports possible

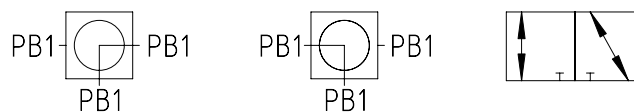
BESTELLZEICHEN WERKSTOFFKOMBINATIONEN



ORDER-CODE COMBINATION OF MATERIALS

Gehäuseteile / Body Kugel / Ball Schaltwelle / Stem Kugeldichtung / Ball sealing Schaltwellendichtung / Stem sealing					V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) PTFE (bis/to 100 bar) FKM	V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) POM NBR
Anschlußart / Connection	DN	LW	D	RA	Korrosive Medien Corrosive media -20°C bis/to 100°C	Hydraulik - Standardausführung Hydraulics - Standard version -20°C bis/to 100°C
					Bestellzeichen Order-Code	Bestellzeichen Order-Code
01 Rohrgewinde DIN ISO 228 BSP female thread DIN ISO 228 	4	5,0	G 1/8"		BK3 G 1/8"-4445 LA	BK3 G 1/8"-4423 LA
	6	6,0	G 1/4"		BK3 G 1/4"-4445 LA	BK3 G 1/4"-4423 LA
	10	9,0	G 3/8"		BK3 G 3/8"-4445 LA	BK3 G 3/8"-4423 LA
	13	11,5	G 1/2"		BK3 G 1/2"-4445 LA	BK3 G 1/2"-4423 LA
	20	18,0	G 3/4"		BK3 G 3/4"-4445 LA	BK3 G 3/4"-4423 LA
	25	22,0	G 1"		BK3 G 1"-4445 LA	BK3 G 1"-4423 LA
	32	30,0	G 1 1/4"		BK3 G 1 1/4"-4445 LA	BK3 G 1 1/4"-4423 LA
	40	35,0	G 1 1/2"		BK3 G 1 1/2"-4445 LA	BK3 G 1 1/2"-4423 LA
	50	44,0	G 2"		BK3 G 2"-4445 LA	BK3 G 2"-4423 LA
02 NPT-Innengewinde ANSI B 2.1 NPT-female thread ANSI B 2.1 	4	5,0	1/8"-27 NPT		BK3 1/8" NPT-4445 LA	BK3 1/8" NPT-4423 LA
	6	6,0	1/4"-18 NPT		BK3 1/4" NPT-4445 LA	BK3 1/4" NPT-4423 LA
	10	9,0	3/8"-18 NPT		BK3 3/8" NPT-4445 LA	BK3 3/8" NPT-4423 LA
	13	11,5	1/2"-14 NPT		BK3 1/2" NPT-4445 LA	BK3 1/2" NPT-4423 LA
	20	18,0	3/4"-14 NPT		BK3 3/4" NPT-4445 LA	BK3 3/4" NPT-4423 LA
	25	22,0	1"-11,5 NPT		BK3 1" NPT-4445 LA	BK3 1" NPT-4423 LA
	32	30,0	1 1/4"-11,5 NPT		BK3 1 1/4" NPT-4445 LA	BK3 1 1/4" NPT-4423 LA
	40	35,0	1 1/2"-11,5 NPT		BK3 1 1/2" NPT-4445 LA	BK3 1 1/2" NPT-4423 LA
	50	44,0	2"-11,5 NPT		BK3 2" NPT-4445 LA	BK3 2" NPT-4423 LA
03 Rohrverschraubung leichte Reihe DIN 2353 For compression fitting light series DIN 2353 	4	5,0	M 12 x 1,5	6	BK3 6-L-4445 LA	BK3 6-L-4423 LA
	6	6,0	M 14 x 1,5	8	BK3 8-L-4445 LA	BK3 8-L-4423 LA
	8	7,0	M 16 x 1,5	10	BK3 10-L-4445 LA	BK3 10-L-4423 LA
	10	9,0	M 18 x 1,5	12	BK3 12-L-4445 LA	BK3 12-L-4423 LA
	13	11,5	M 22 x 1,5	15	BK3 15-L-4445 LA	BK3 15-L-4423 LA
	13	11,5	M 26 x 1,5	18	BK3 18-L-4445 LA	BK3 18-L-4423 LA
	20	18,0	M 30 x 2	22	BK3 22-L-4445 LA	BK3 22-L-4423 LA
	25	18,0	M 36 x 2	28	BK3 28-L-4445 LA	BK3 28-L-4423 LA
	32	30,0	M 45 x 2	35	BK3 35-L-4445 LA	BK3 35-L-4423 LA
	40	35,0	M 52 x 2	42	BK3 42-L-4445 LA	BK3 42-L-4423 LA
04 Rohrverschraubung schwere Reihe DIN 2353 For compression fitting heavy series DIN 2353 	4	5,0	M 14 x 1,5	6	BK3 6-S-4445 LA	BK3 6-S-4423 LA
	4	5,0	M 16 x 1,5	8	BK3 8-S-4445 LA	BK3 8-S-4423 LA
	6	6,0	M 18 x 1,5	10	BK3 10-S-4445 LA	BK3 10-S-4423 LA
	8	7,0	M 20 x 1,5	12	BK3 12-S-4445 LA	BK3 12-S-4423 LA
	10	9,0	M 22 x 1,5	14	BK3 14-S-4445 LA	BK3 14-S-4423 LA
	13	11,5	M 24 x 1,5	16	BK3 16-S-4445 LA	BK3 16-S-4423 LA
	13	11,5	M 30 x 2	20	BK3 20-S-4445 LA	BK3 20-S-4423 LA
	20	18,0	M 36 x 2	25	BK3 25-S-4445 LA	BK3 25-S-4423 LA
	25	22,0	M 42 x 2	30	BK3 30-S-4445 LA	BK3 30-S-4423 LA
	32	30,0	M 52 x 2	38	BK3 38-S-4445 LA	BK3 38-S-4423 LA

Maßänderungen vorbehalten.
Measurements subject to alteration.



Typ LA: L-Bohrung 0° - 90° allseitig druckbeaufschlagbar
Type LA: L-bore 0° - 90° pressured from all ports possible

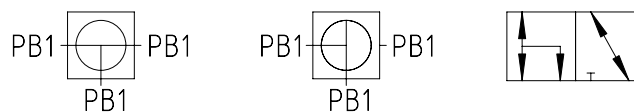
BESTELLZEICHEN WERKSTOFFKOMBINATIONEN



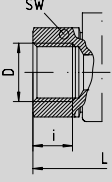
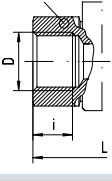
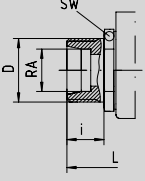
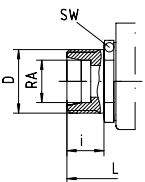
ORDER-CODE COMBINATION OF MATERIALS

Gehäuseteile / Body Kugel / Ball Schaltwelle / Stem Kugeldichtung / Ball sealing Schaltwellendichtung / Stem sealing					V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) PTFE (bis/to 100 bar) FKM	V4a (AISI 316) V4a (AISI 316) V4a (AISI 316) POM NBR
Anschlußart / Connection	DN	LW	D	RA	Korrosive Medien Corrosive media -20°C bis/to 100°C	Hydraulik - Standardausführung Hydraulics - Standard version -20°C bis/to 100°C
					Bestellzeichen Order-Code	Bestellzeichen Order-Code
01 Rohrgewinde DIN ISO 228 BSP female thread DIN ISO 228 	4	5,0	G 1/8"		BK3 G 1/8"-4445 TA	BK3 G 1/8"-4423 TA
	6	6,0	G 1/4"		BK3 G 1/4"-4445 TA	BK3 G 1/4"-4423 TA
	10	9,0	G 3/8"		BK3 G 3/8"-4445 TA	BK3 G 3/8"-4423 TA
	13	11,5	G 1/2"		BK3 G 1/2"-4445 TA	BK3 G 1/2"-4423 TA
	20	18,0	G 3/4"		BK3 G 3/4"-4445 TA	BK3 G 3/4"-4423 TA
	25	22,0	G 1"		BK3 G 1"-4445 TA	BK3 G 1"-4423 TA
	32	30,0	G 1 1/4"		BK3 G 1 1/4"-4445 TA	BK3 G 1 1/4"-4423 TA
	40	35,0	G 1 1/2"		BK3 G 1 1/2"-4445 TA	BK3 G 1 1/2"-4423 TA
	50	44,0	G 2"		BK3 G 2"-4445 TA	BK3 G 2"-4423 TA
02 NPT-Innengewinde ANSI B 2.1 NPT-female thread ANSI B 2.1 	4	5,0	1/8"-27 NPT		BK3 1/8" NPT-4445 TA	BK3 1/8" NPT-4423 TA
	6	6,0	1/4"-18 NPT		BK3 1/4" NPT-4445 TA	BK3 1/4" NPT-4423 TA
	10	9,0	3/8"-18 NPT		BK3 3/8" NPT-4445 TA	BK3 3/8" NPT-4423 TA
	13	11,5	1/2"-14 NPT		BK3 1/2" NPT-4445 TA	BK3 1/2" NPT-4423 TA
	20	18,0	3/4"-14 NPT		BK3 3/4" NPT-4445 TA	BK3 3/4" NPT-4423 TA
	25	22,0	1"-11,5 NPT		BK3 1" NPT-4445 TA	BK3 1" NPT-4423 TA
	32	30,0	1 1/4"-11,5 NPT		BK3 1 1/4" NPT-4445 TA	BK3 1 1/4" NPT-4423 TA
	40	35,0	1 1/2"-11,5 NPT		BK3 1 1/2" NPT-4445 TA	BK3 1 1/2" NPT-4423 TA
	50	44,0	2"-11,5 NPT		BK3 2" NPT-4445 TA	BK3 2" NPT-4423 TA
03 Rohrverschraubung leichte Reihe DIN 2353 For compression fitting light series DIN 2353 	4	5,0	M 12 x 1,5	6	BK3 6-L-4445 TA	BK3 6-L-4423 TA
	6	6,0	M 14 x 1,5	8	BK3 8-L-4445 TA	BK3 8-L-4423 TA
	8	7,0	M 16 x 1,5	10	BK3 10-L-4445 TA	BK3 10-L-4423 TA
	10	9,0	M 18 x 1,5	12	BK3 12-L-4445 TA	BK3 12-L-4423 TA
	13	11,5	M 22 x 1,5	15	BK3 15-L-4445 TA	BK3 15-L-4423 TA
	13	11,5	M 26 x 1,5	18	BK3 18-L-4445 TA	BK3 18-L-4423 TA
	20	18,0	M 30 x 2	22	BK3 22-L-4445 TA	BK3 22-L-4423 TA
	25	18,0	M 36 x 2	28	BK3 28-L-4445 TA	BK3 28-L-4423 TA
	32	30,0	M 45 x 2	35	BK3 35-L-4445 TA	BK3 35-L-4423 TA
	40	35,0	M 52 x 2	42	BK3 42-L-4445 TA	BK3 42-L-4423 TA
04 Rohrverschraubung schwere Reihe DIN 2353 For compression fitting heavy series DIN 2353 	4	5,0	M 14 x 1,5	6	BK3 6-S-4445 TA	BK3 6-S-4423 TA
	4	5,0	M 16 x 1,5	8	BK3 8-S-4445 TA	BK3 8-S-4423 TA
	6	6,0	M 18 x 1,5	10	BK3 10-S-4445 TA	BK3 10-S-4423 TA
	8	7,0	M 20 x 1,5	12	BK3 12-S-4445 TA	BK3 12-S-4423 TA
	10	9,0	M 22 x 1,5	14	BK3 14-S-4445 TA	BK3 14-S-4423 TA
	13	11,5	M 24 x 1,5	16	BK3 16-S-4445 TA	BK3 16-S-4423 TA
	13	11,5	M 30 x 2	20	BK3 20-S-4445 TA	BK3 20-S-4423 TA
	20	18,0	M 36 x 2	25	BK3 25-S-4445 TA	BK3 25-S-4423 TA
	25	22,0	M 42 x 2	30	BK3 30-S-4445 TA	BK3 30-S-4423 TA
	32	30,0	M 52 x 2	38	BK3 38-S-4445 TA	BK3 38-S-4423 TA

Maßänderungen vorbehalten.
Measurements subject to alteration.



Typ TA: T-Bohrung 0° - 90° allseitig druckbeaufschlagbar
Type TA: T-bore 0° - 90° pressured from all ports possible

Anschlußart / Connection	DN	LW	D	RA	ca. Maße approx. dimensions			
					L	L10	i	SW
01 Rohrgewinde DIN ISO 228 BSP female thread DIN ISO 228 	4	5,0	G 1/8"		69	32	9	22
	6	6,0	G 1/4"		69	32	12	22
	10	9,0	G 3/8"		73	35	12	27
	13	11,5	G 1/2"		85	37	14	30
	20	18,0	G 3/4"		96	47	17	41
	25	22,0	G 1"		113	55	19	46
	32	30,0	G 1 1/4"		110	70	20	60
	40	35,0	G 1 1/2"		120	72	24	70
	50	44,0	G 2"		140	85	28	85
02 NPT-Innengewinde ANSI B 2.1 NPT-female thread ANSI B 2.1 	4	5,0	1/8"-27 NPT		69	32	12	22
	6	6,0	1/4"-18 NPT		69	32	17	22
	10	9,0	3/8"-18 NPT		73	35	17	27
	13	11,5	1/2"-14 NPT		92	42	22	30
	20	18,0	3/4"-14 NPT		97	47	23	41
	25	22,0	1"-11,5 NPT		113	55	27	46
	32	22,0	1 1/4"-11,5 NPT		115	70	28	60
	40	35,0	1 1/2"-11,5 NPT		135	75	28	70
03 Rohrverschraubung leichte Reihe DIN 2353 For compression fitting light series DIN 2353 	4	5,0	M 12 x 1,5	6	67	32	10	22
	6	6,0	M 14 x 1,5	8	67	32	10	22
	8	7,0	M 16 x 1,5	10	71	32	11	22
	10	9,0	M 18 x 1,5	12	75	40	11	27
	13	11,5	M 22 x 1,5	15	84	42	12	30
	13	11,5	M 26 x 1,5	18	84	43	12	32
	20	18,0	M 30 x 2	22	102	47	14	41
	25	22,0	M 36 x 2	28	108	55	14	46
	32	30,0	M 45 x 2	35	128	69	16	60
	40	35,0	M 52 x 2	42	133	72	16	70
04 Rohrverschraubung schwere Reihe DIN 2353 For compression fitting heavy series DIN 2353 	4	5,0	M 14 x 1,5	6				
	4	5,0	M 16 x 1,5	8	73	32	12	22
	6	6,0	M 18 x 1,5	10	73	32	12	22
	8	7,0	M 20 x 1,5	12	76	32	12	22
	10	9,0	M 22 x 1,5	14	84	35	14	27
	13	11,5	M 24 x 1,5	16	87	42	14	30
	13	11,5	M 30 x 2	20	91	43	16	32
	20	18,0	M 36 x 2	25	110	47	18	41
	25	22,0	M 42 x 2	30	120	55	20	46
	32	30,0	M 52 x 2	38	140	74	22	60

* Max. zulässige Druckstufen (PB) entnehmen Sie bitte den Angaben der Schneidringverschraubungen.

* Max. allowed pressure (PB) see at the date from the compression couplings.

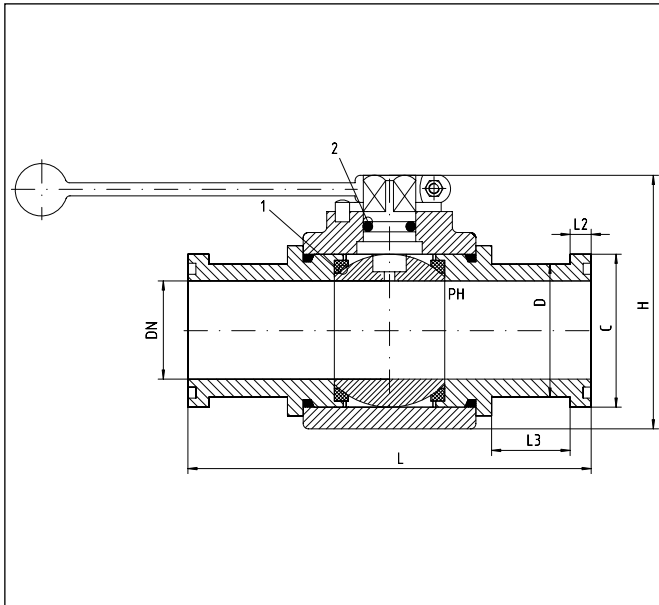
HOCHDRUCK-FLANSCH-KUGELHÄHNE



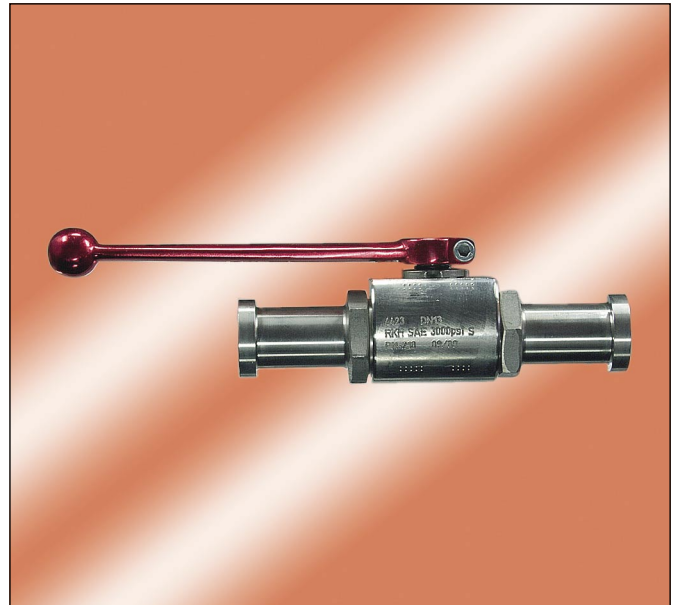
HIGH PRESSURE FLANGE BALL VALVES

mit Flansch nach SAE J 518 / DIN 6162
3000 + 6000 PSI
für SAE-Flanschhälften, Seite 2.40

with flange to SAE J 518 / DIN 6162
3000 + 6000 PSI
for SAE-split flange halves, page 2.40



1 = Kugeldichtung = POM
2 = Schaltwellendichtung = NBR



1 = Ball sealing = POM
2 = Stem sealing = NBR

Druck Pressure PB	DN	ca. Maße approx. dimensions						Bestellzeichen Order-Code
		C	D	H	L	L 2	L 3	
315	13	30,2	24	51,0	151,0	6,7	35	FKH-3000-1/2"-4423
315	20	38,1	32	73,0	162,0	6,7	35	FKH-3000-3/4"-4423
315	24	44,4	38	76,0	178,0	8,0	35	FKH-3000-1"-4423
250	32	50,8	43	105,0	190,5	8,0	35	FKH-3000-1 1/4"-4423
200	38	60,3	50	111,4	231,0	8,0	40	FKH-3000-1 1/2"-4423
200	48	71,4	62	130,0	232,0	9,5	45	FKH-3000-2"-4423
400	13	31,7	24	51,0	151,0	7,7	35	FKH-6000-1/2"-4423
400	20	41,3	32	73,0	174,0	8,8	40	FKH-6000-3/4"-4423
400	24	47,6	38	76,0	198,0	9,5	40	FKH-6000-1"-4423
400	32	54,0	44	105,0	223,0	10,3	45	FKH-6000-1 1/4"-4423
400	38	63,5	51	111,4	281,0	12,6	70	FKH-6000-1 1/2"-4423
400	48	79,4	67	130,0	316,0	12,6	80	FKH-6000-2"-4423

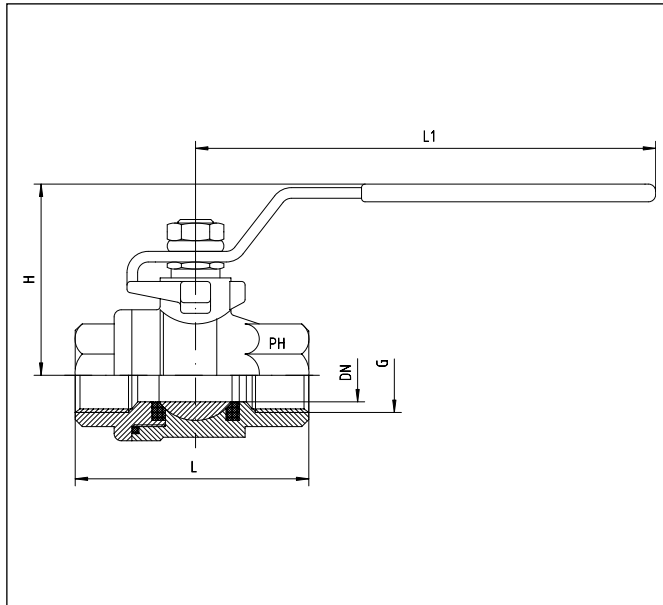
NIEDERDRUCK-KUGELHÄHNE



LOW PRESSURE BALL VALVES

Rohr-Innengewinde: DIN / ISO 228
 2-teilig - 1.4408
 volle Bohrung

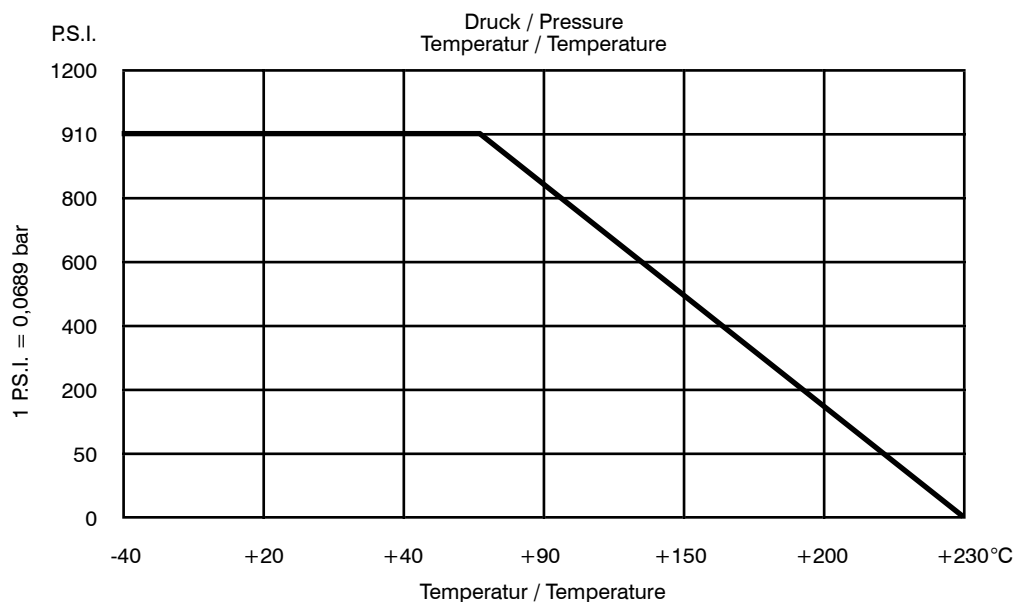
BSP female thread: DIN / ISO 228
 2-piece - AISI 316
 full-port



Dichtungen: PTFE (-20°C bis +180°C)
 Bei höheren Temperaturen beachten Sie bitte das Druck- /
 Temperaturdiagramm.

Sealings: PTFE (-20°C to +180°C)
 At higher temperatures please note the pressure /
 temperature diagram.

Größe Size	DN	Druck Pressure PB	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	H	L	L1	
1/8"	8,7	63	1/8"	50	55,5	97,5	KH-G 1/8"
1/4"	11,2	63	1/4"	55	54,0	97,5	KH-G 1/4"
3/8"	12,6	63	3/8"	55	54,0	97,5	KH-G 3/8"
1/2"	16,0	63	1/2"	64	68,0	125,5	KH-G 1/2"
3/4"	20,0	63	3/4"	67	76,0	125,5	KH-G 3/4"
1"	25,0	63	1"	83	88,0	143,5	KH-G 1"
1 1/4"	32,0	63	1 1/4"	89	98,0	143,5	KH-G 1 1/4"
1 1/2"	38,1	63	1 1/2"	100	120,0	203,5	KH-G 1 1/2"
2"	50,8	63	2"	108	134,0	203,5	KH-G 2"
2 1/2"	65,0	63	2 1/2"	136	164,0	250,0	KH-G 2 1/2"
3"	70,0	63	3"	149	181,0	250,0	KH-G 3"



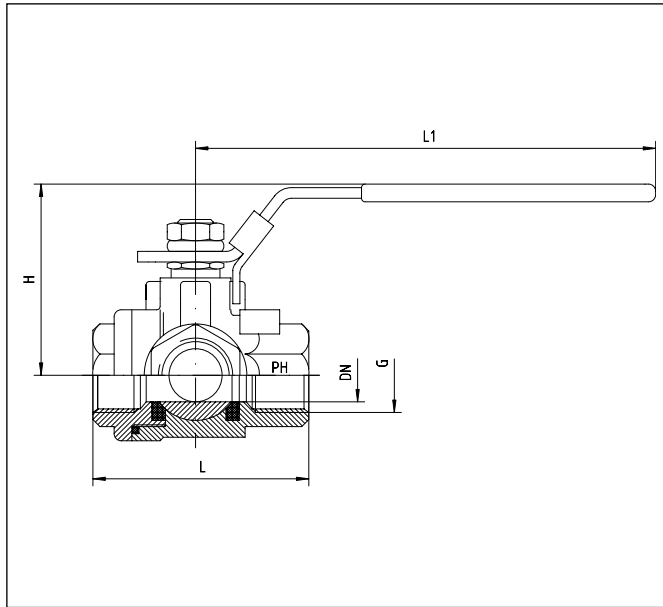
NIEDERDRUCK-KUGELHÄHNE



LOW PRESSURE BALL VALVES

Rohr-Innengewinde: DIN / ISO 228
 3-Wege - 1.4408
 L-Bohrung

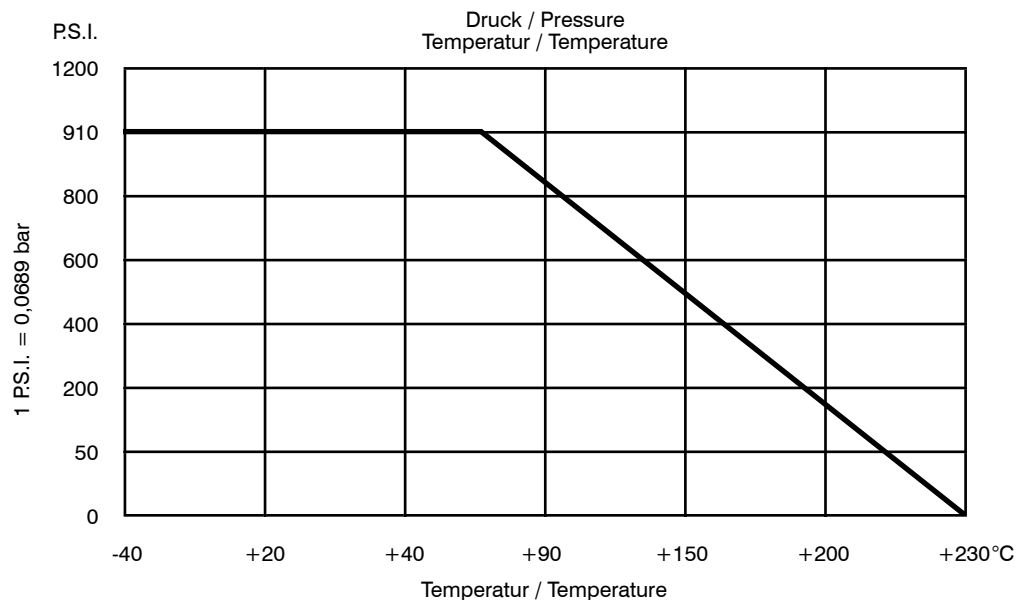
BSP female thread: DIN / ISO 228
 3-way - AISI 316
 L-port



Dichtungen: PTFE (-20°C to +180°C)
 Bei höheren Temperaturen beachten Sie bitte das Druck- /
 Temperaturdiagramm.

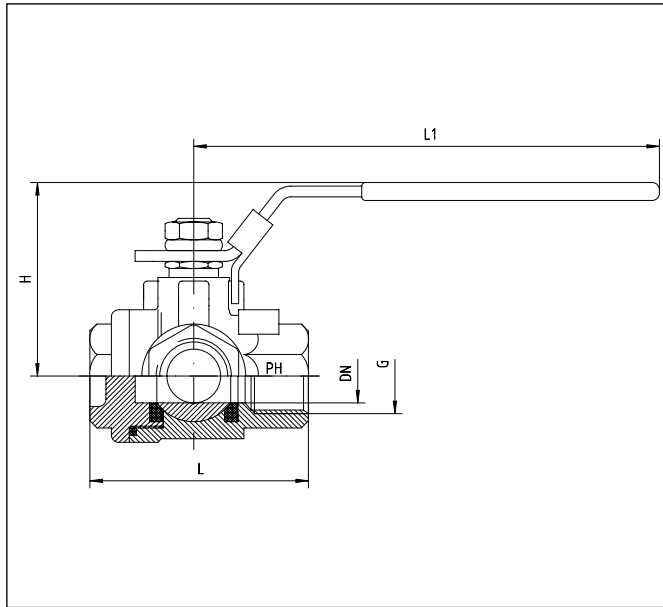
Sealings: PTFE (-20°C to +180°C)
 At higher temperatures please note the pressure /
 temperature diagram.

Größe Size	DN	Druck Pressure PB	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	H	L	L1	
1/4"	11,2	63	1/4"	56	60	96	KH-G 1/4"-3 W-L
3/8"	11,2	63	3/8"	56	60	96	KH-G 3/8"-3 W-L
1/2"	12,7	63	1/2"	56	60	96	KH-G 1/2"-3 W-L
3/4"	16,0	63	3/4"	64	74	125	KH-G 3/4"-3 W-L
1"	20,0	63	1"	66	82	125	KH-G 1"-3 W-L
1 1/4"	25,0	63	1 1/4"	70	96	145	KH-G 1 1/4"-3 W-L
1 1/2"	32,0	63	1 1/2"	83	114	145	KH-G 1 1/2"-3 W-L
2"	38,1	63	2"	88	142	205	KH-G 2"-3 W-L



Rohr-Innengewinde: DIN / ISO 228
 3-Wege - 1.4408
 T-Bohrung

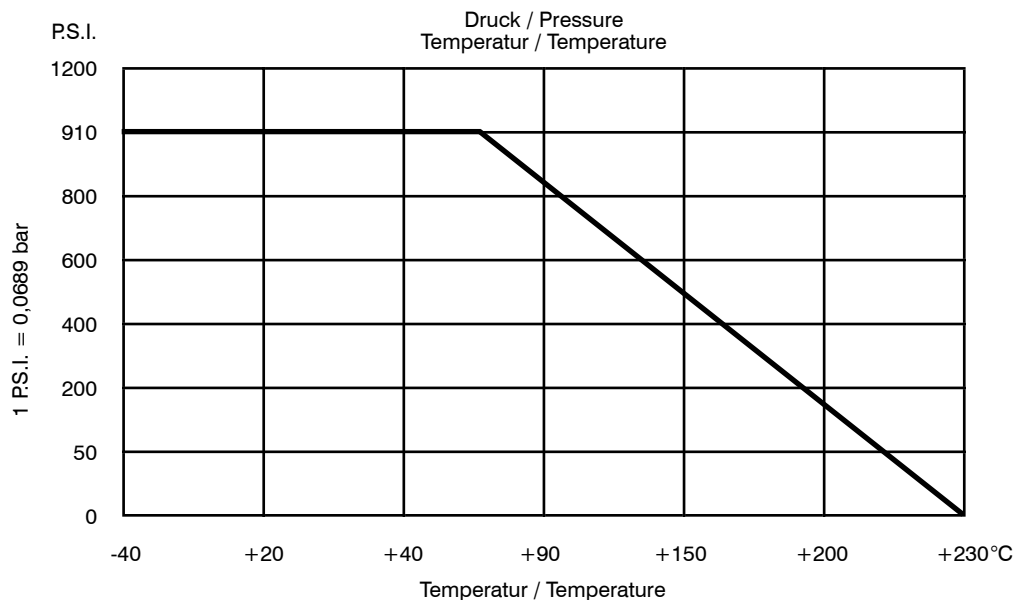
BSP female thread: DIN / ISO 228
 3-way - AISI 316
 T-port



Dichtungen: PTFE (-20°C to +180°C)
 Bei höheren Temperaturen beachten Sie bitte das Druck- /
 Temperaturdiagramm.

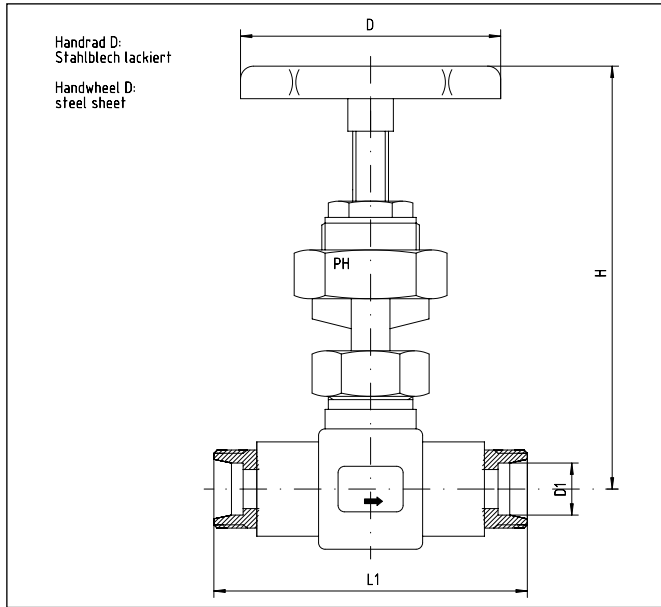
Sealings: PTFE (-20°C to +180°C)
 At higher temperatures please note the pressure /
 temperature diagram.

Größe Size	DN	Druck Pressure PB	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			G	H	L	L1	
1/4"	11,5	63	1/4"	50	75	120	KH-G 1/4"-3 W-T
3/8"	12,5	63	3/8"	50	75	120	KH-G 3/8"-3 W-T
1/2"	12,5	63	1/2"	53	75	120	KH-G 1/2"-3 W-T
3/4"	15,0	63	3/4"	64	85	125	KH-G 3/4"-3 W-T
1"	20,0	63	1"	66	100	125	KH-G 1"-3 W-T
1 1/4"	25,0	63	1 1/4"	79	115	170	KH-G 1 1/4"-3 W-T
1 1/2"	32,0	63	1 1/2"	83	125	170	KH-G 1 1/2"-3 W-T
2"	40,0	63	2"	94	150	170	KH-G 2"-3 W-T



mit außenliegender Spindel
Anschluß mit 24° Konus für Schneidringverbindung
DIN 2353

with external threaded spindle
connection with 24°-cone for compression couplings
DIN 2353



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				D	H	L 1	
S	400	6	M 14 x 1,5	100	124		HVb-S-06
S	400	8	M 16 x 1,5	100	124		HVb-S-08
S	400	10	M 18 x 1,5	100	124		HVb-S-10
S	400	12	M 20 x 1,5	100	124	80	HVb-S-12
S	400	14	M 22 x 1,5	100	124		HVb-S-14
S	400	16	M 24 x 1,5	100	124	100	HVb-S-16
S	400	20	M 30 x 2	100	124	100	HVb-S-20
S	400	25	M 36 x 2	100	153		HVb-S-25

Hinweis: Stopfbuchspackung (Graphit) vor erster Inbetriebnahme nachziehen.

Note: Adjust stuffing box packing (Graphit) prior to initial working period.

Erforderliche Druckabschläge	Required pressure reductions				
Temperatur	50°C	100°C	200°C	300°C	400°C
Druckabschlag	6%	15%	37%	60%	84%

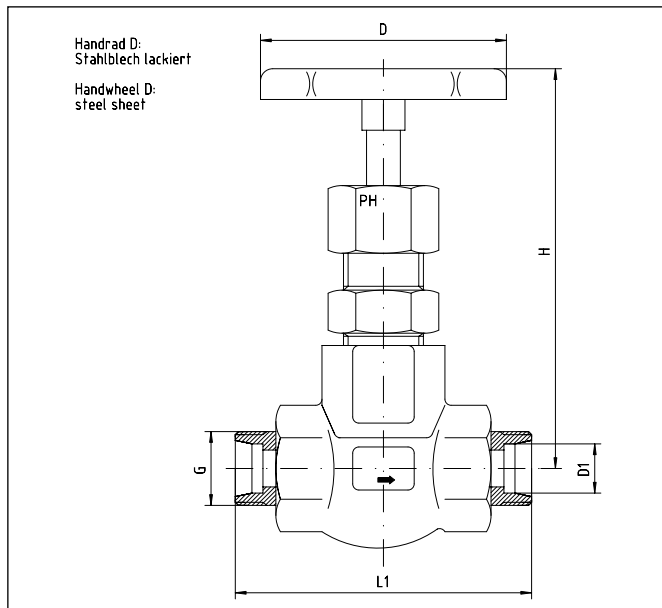
Required pressure reductions	Temperature				
Temperature	50°C	100°C	200°C	300°C	400°C
pressure reductions	6%	15%	37%	60%	84%

Zwischenwerte sind zu interpolieren

Intermediate values are to be interpolated

mit innenliegender Spindel
Anschluß mit 24° Konus für Schneidringverbindung
DIN 2353

with internal threaded spindle
connection with 24°-cone for compression couplings
DIN 2353



Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	Gewinde Thread G	ca. Maße approx. dimensions			Bestellzeichen Order-Code
				D	H	L1	
S	630	6	M 14 x 1,5	60	85	65	HVa-S-06
S	630	8	M 16 x 1,5	60	85	65	HVa-S-08
S	630	10	M 18 x 1,5	60	85	65	HVa-S-10
S	630	12	M 20 x 1,5	60	85	65	HVa-S-12
S	630	14	M 22 x 1,5	80	110	100	HVa-S-14
S	400	16	M 24 x 1,5	80	125	100	HVa-S-16
S	400	20	M 30 x 2	80	125	100	HVa-S-20
S	400	25	M 36 x 2	80	125	100	HVa-S-25
S	250	30	M 42 x 2				HVa-S-30
S	250	38	M 52 x 2				HVa-S-38
L	315	6	M 12 x 1,5	60	85	65	HVa-L-06
L	315	8	M 14 x 1,5	60	85	65	HVa-L-08
L	315	10	M 16 x 1,5	60	85	65	HVa-L-10
L	315	12	M 18 x 1,5	60	85	65	HVa-L-12
L	315	15	M 22 x 1,5	80	125	100	HVa-L-15
L	315	18	M 26 x 1,5	80	125	130	HVa-L-18
L	160	22	M 30 x 2	80	125	130	HVa-L-22
L	160	28	M 36 x 2	80	125	130	HVa-L-28
L	160	35	M 45 x 2				HVa-L-35
L	160	42	M 52 x 2				HVa-L-42

Hinweis: Stopfbuchspackung (Graphit) vor erster Inbetriebnahme nachziehen.

Note: Adjust stuffing box packing (Graphit) prior to initial working period.

Erforderliche Druckabschläge					
Temperatur	50°C	100°C	200°C	300°C	400°C
Druckabschlag	6%	15%	37%	60%	84%

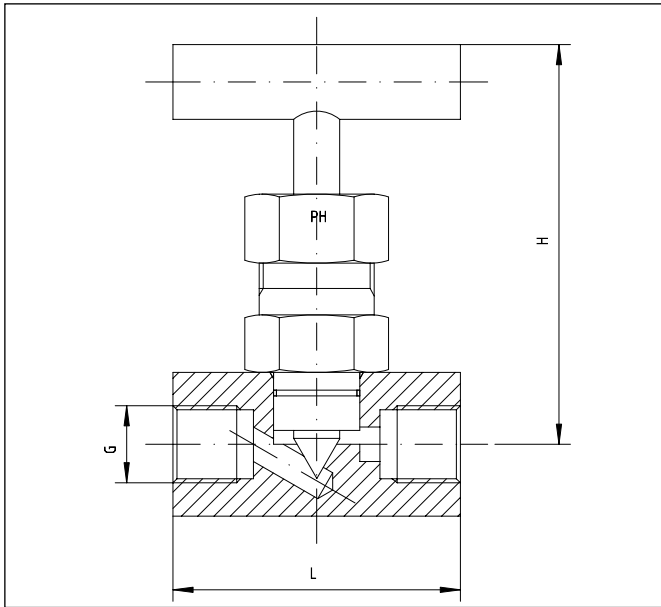
Required pressure reductions					
Temperature	50°C	100°C	200°C	300°C	400°C
pressure reductions	6%	15%	37%	60%	84%

Zwischenwerte sind zu interpolieren

Intermediate values are to be interpolated

mit Stopfbuchspackung - PTFE
Rohrinnengewinde DIN / ISO 228
NPT-Innengewinde

with stuffing box packing - PTFE
BSP female thread DIN / ISO 228
NPT female thread



Druck Pressure PN	Gewinde Thread G	ca. Maße approx. dimensions		Bestellzeichen Order-Code
		H	L	
400	1/8" zyl	75	58,0	NV-G 1/8"-BSP
400	1/4" zyl	75	58,0	NV-G 1/4"-BSP
400	3/8" zyl	75	58,0	NV-G 3/8"-BSP
400	1/2" zyl	85	65,0	NV-G 1/2"-BSP
400	3/4" zyl	90	70,0	NV-G 3/4"-BSP
400	1" zyl	100	80,0	NV-G 1"-BSP
400	1/8" NPT			NV-1/8"-NPT
400	1/4" NPT	75	58,0	NV-1/4"-NPT
400	3/8" NPT	75	58,5	NV-3/8"-NPT
400	1/2" NPT	85	65,0	NV-1/2"-NPT
400	3/4" NPT	90	70,0	NV-3/4"-NPT
400	1" NPT	100	80,0	NV-1"-NPT

Temperatur: -20°C bis +200°C
Temperature: -20°C up to +200°C

Hinweis: Stopfbuchspackung (PTFE) vor erster Inbetriebnahme nachziehen.

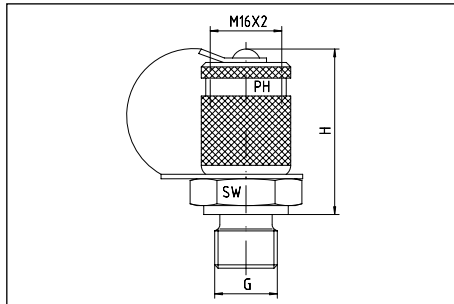
Note: Adjust stuffing box packing (PTFE) prior to initial working period.

MEßANSCHLÜSSE PRESSURE GAUGE CONNECTORS

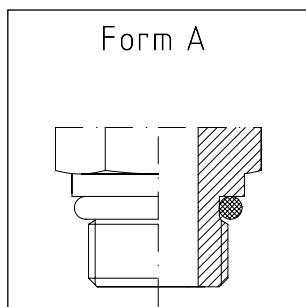
MEßANSCHLÜSSE	TEST POINT PRESSURE GAUGE CONNECTORS	14.3
GERADE MEßVERSCHRAUBUNGEN - GMV	STRAIGHT TEST POINT PRESSURE GAUGE FITTINGS - GMV	14.4
MEßANSCHLÜSSE - VKA - DKO	TEST POINT PRESSURE GAUGE CONNECTORS - VKA - DKO	14.5
HOCHDRUCK-MEßSCHLÄUCHE - SMS	HIGH PRESSURE TEST HOSES - SMS	14.6
MANOMETER-DIREKTANSCHLÜSSE - SMD	DIRECT GAUGE ADAPTORS - SMD	14.7
MANOMETER-MEßANSCHLÜSSE - SMA	GAUGE TEST ADAPTORS - SMA	14.7

mit Schraubkupplung M 16 x 2
O-Ring - Viton

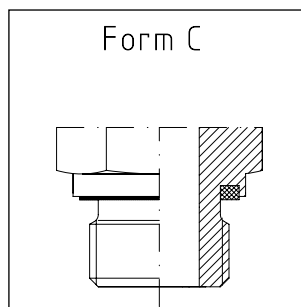
with connection M 16 x 2
O-ring - Viton



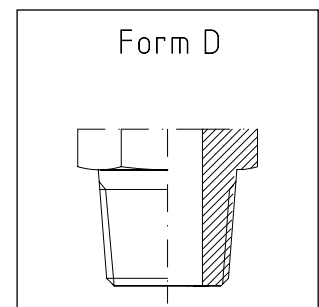
Druck Pressure PN	Gewinde Thread G	ca. Maße approx. dimensions		Abdichtung Sealing	Bestellzeichen Order-Code
		H	SW		
630	M 8 x 1	37	17	O-Ring Form A / O-ring form A	MAS-M 8x1-OR
630	M 10 x 1	37	17	O-Ring Form A / O-ring form A	MAS-M 10x1-OR
630	M 10 x 1	37	17	Weichdichtung Form C / Soft seal form C	MAS-M 10x1-WD
630	M 12 x 1,5	37	17	Weichdichtung Form C / Soft seal form C	MAS-M 12x1,5-WD
630	M 14 x 1,5	37	19	Weichdichtung Form C / Soft seal form C	MAS-M 14x1,5-WD
630	G 1/8"	37	17	Weichdichtung Form C / Soft seal form C	MAS-G 1/8"-WD
630	G 1/4"	37	19	Weichdichtung Form C / Soft seal form C	MAS-G 1/4"-WD
630	G 3/8"	40	22	Weichdichtung Form C / Soft seal form C	MAS-G 3/8"-WD
630	G 1/2"	40	27	Weichdichtung Form C / Soft seal form C	MAS-G 1/2"-WD
630	R 1/8" keg	36	17	Gewinde Form D / Thread form D	MAS-R 1/8"-k
630	R 1/4" keg	36	17	Gewinde Form D / Thread form D	MAS-R 1/4"-k
630	1/8" NPT	36	17	Gewinde Form D / Thread form D	MAS-1/8"-NPT
630	1/4" NPT	37	17	Gewinde Form D / Thread form D	MAS-1/4"-NPT
630	3/8" NPT	40	19	Gewinde Form D / Thread form D	MAS-3/8"-NPT
630	1/2" NPT	40	24	Gewinde Form D / Thread form D	MAS-1/2"-NPT



Abdichtung durch Runddichtung
(O-Ring) - SAE J 514
Sealing by O-ring in thread
undercut - SAE J 514



WD = Abdichtung durch
gekammerte Profildichtung
- Viton
WD = Sealing by an elastomer
captive profiled ring - Viton



Abdichtung kegelig oder NPT
Sealing by taper or NPT

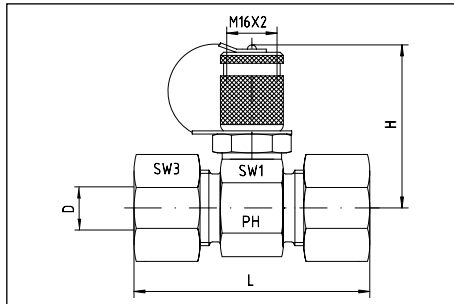
GERADE MEßVERSCHRAUBUNGEN



STRAIGHT TEST POINT PRESSURE GAUGE FITTINGS

mit Schraubkupplung M 16 x 2
O-Ring - Viton
Lieferung komplett mit Mutter und Schneidring

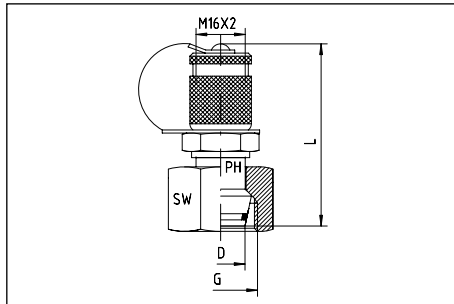
with connection M 16 x 2
O-ring - Viton
Delivery complete with nut and cutting ring



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			L	H	SW1	SW3	
L	315	6	50,5	49,5	24	14	GMV-L-06
L	315	8	50,5	49,5	24	17	GMV-L-08
L	315	10	52,5	49,5	24	19	GMV-L-10
L	315	12	52,5	49,5	24	22	GMV-L-12
L	315	15	54,5	52,5	30	27	GMV-L-15
L	315	18	56,5	53,5	32	32	GMV-L-18
L	160	22	60,5	55,5	36	36	GMV-L-22
L	160	28	60,5	58,0	41	41	GMV-L-28
L	160	35	68,5	60,5	46	50	GMV-L-35
L	160	42	70,5	65,0	55	60	GMV-L-42
S	630	6	54,5	49,5	24	17	GMV-S-06
S	630	8	54,5	49,5	24	19	GMV-S-08
S	630	10	56,5	49,5	24	22	GMV-S-10
S	630	12	56,5	49,5	24	24	GMV-S-12
S	630	14	62,5	51,0	27	27	GMV-S-14
S	400	16	62,5	52,5	30	30	GMV-S-16
S	400	20	68,5	55,5	36	36	GMV-S-20
S	400	25	74,5	58,0	41	46	GMV-S-25
S	400	30	80,5	60,5	46	50	GMV-S-30
S	315	38	91,0	65,0	55	60	GMV-S-38

mit Schraubkupplung M 16 x 2
Anschluß mit Dichtkegel und O-Ring - Viton
passend in Bohrungsform W DIN 3861
mit 24°-Konus

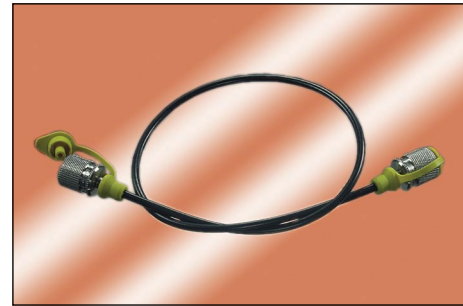
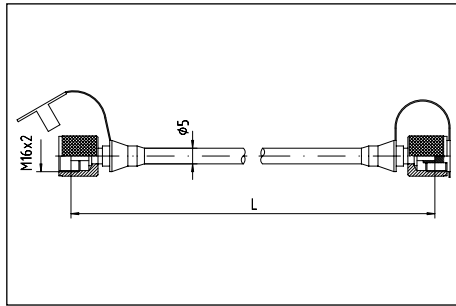
with connection M 16 x 2
connection with taper and O-ring - Viton
for portform W DIN 3861
with 24°-cone



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D	Gewinde Thread G	ca. Maße approx. dimensions		Bestellzeichen Order-Code
				L	SW	
L	315	6	M 12 x 1,5	72	14	VKA-DKOL-06
L	315	8	M 14 x 1,5	58	17	VKA-DKOL-08
L	315	10	M 16 x 1,5	58	19	VKA-DKOL-10
L	315	12	M 18 x 1,5	54	22	VKA-DKOL-12
L	315	15	M 22 x 1,5	57	27	VKA-DKOL-15
L	315	18	M 26 x 1,5	59	32	VKA-DKOL-18
L	160	22	M 30 x 2	60	36	VKA-DKOL-22
L	160	28	M 36 x 2	65	41	VKA-DKOL-28
L	160	35	M 45 x 2	70	50	VKA-DKOL-35
L	160	42	M 52 x 2	71	60	VKA-DKOL-42
S	630	6	M 14 x 1,5	72	17	VKA-DKOS-06
S	630	8	M 16 x 1,5	58	19	VKA-DKOS-08
S	630	10	M 18 x 1,5	58	22	VKA-DKOS-10
S	630	12	M 20 x 1,5	54	24	VKA-DKOS-12
S	630	14	M 22 x 1,5	70	27	VKA-DKOS-14
S	400	16	M 24 x 1,5	55	30	VKA-DKOS-16
S	400	20	M 30 x 2	64	36	VKA-DKOS-20
S	400	25	M 36 x 2	66	46	VKA-DKOS-25
S	400	30	M 42 x 2	70	50	VKA-DKOS-30
S	315	38	M 52 x 2	72	60	VKA-DKOS-38

mit Schraubkupplung M 16 x 2

with metric swivel end M 16 x 2



Druck Pressure PN	Schlauch / DN Hose / Bore DN	Gewinde Thread	Länge Length L	Bestellzeichen Order-Code
630	02	M 16 x 2	200	SMS-M 16-200
630	02	M 16 x 2	400	SMS-M 16-400
630	02	M 16 x 2	630	SMS-M 16-630
630	02	M 16 x 2	800	SMS-M 16-800
630	02	M 16 x 2	1000	SMS-M 16-1000
630	02	M 16 x 2	1500	SMS-M 16-1500
630	02	M 16 x 2	2000	SMS-M 16-2000
630	02	M 16 x 2	2500	SMS-M 16-2500
630	02	M 16 x 2	3200	SMS-M 16-3200
630	02	M 16 x 2	4000	SMS-M 16-4000

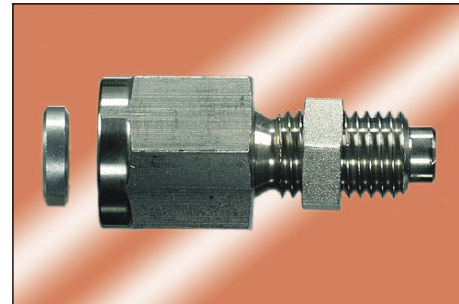
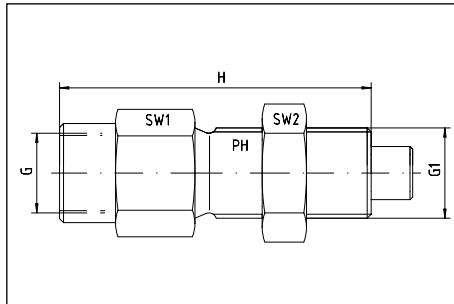
MANOMETER-MEßANSCHLÜSSE



GAUGE TEST ADAPTORS

Innengewinde starr: BSP + NPT
 Außengewinde: M 16 x 2
 Dichtung: Viton

Female thread: BSP + NPT
 Male thread: M 16 x 2
 Sealing: Viton



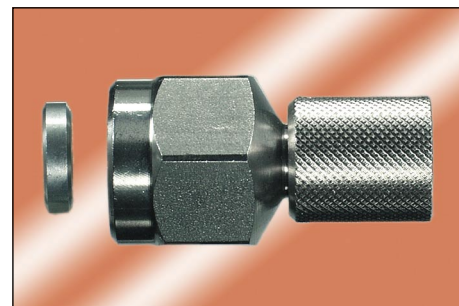
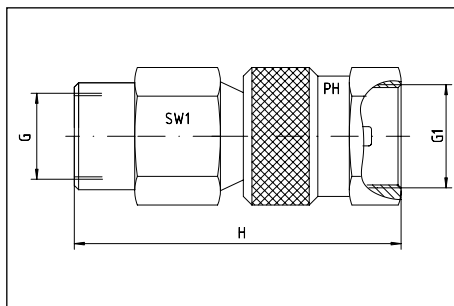
Druck Pressure PN	Gewinde Thread		ca. Maße approx. dimensions			Bestellzeichen Order-Code
	G	G1	H	SW1	SW2	
630	1/4" BSP	M 16 x 2	50	19	19	SMA 20-R 1/4"-V
630	1/2" BSP	M 16 x 2	60	27	19	SMA 20-R 1/2"-V
630	1/4" NPT	M 16 x 2	50	19	19	SMA 20-1/4"NPT-V
630	1/2" NPT	M 16 x 2	60	27	19	SMA 20-1/2"NPT-V

MANOMETER-DIREKTANSCHLÜSSE

DIRECT GAUGE ADAPTORS

Innengewinde starr: BSP + NPT
 Muttergewinde drehbar: M 16 x 2

Female thread: BSP + NPT
 Nut female swivel: M 16 x 2



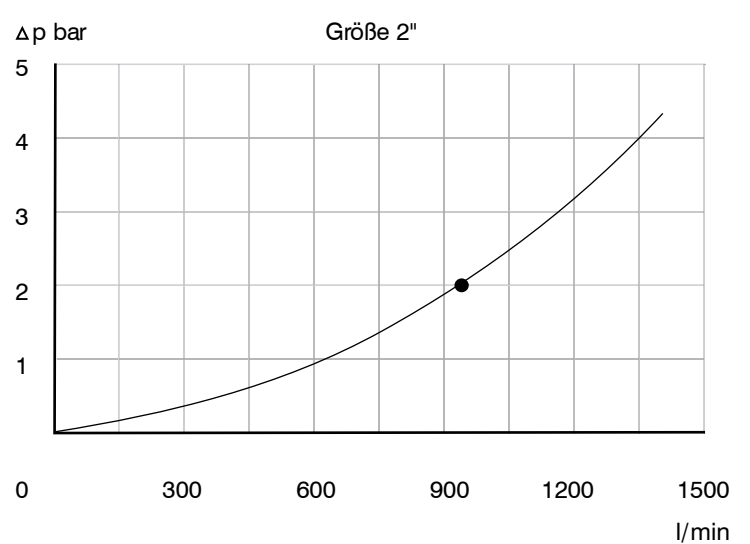
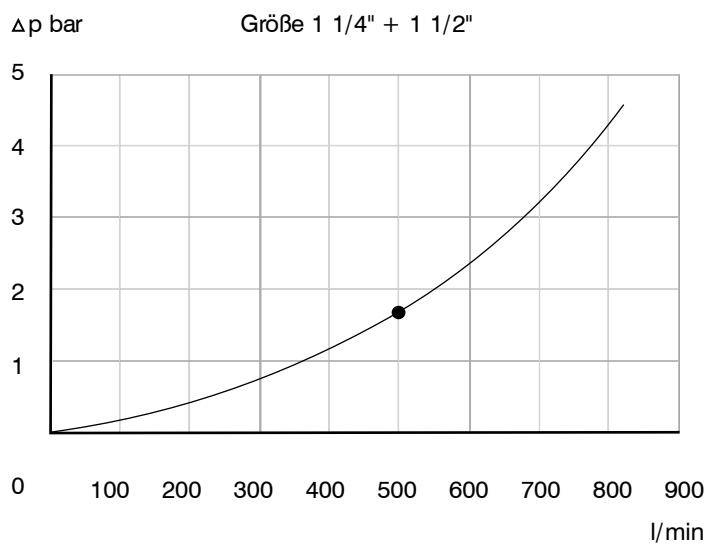
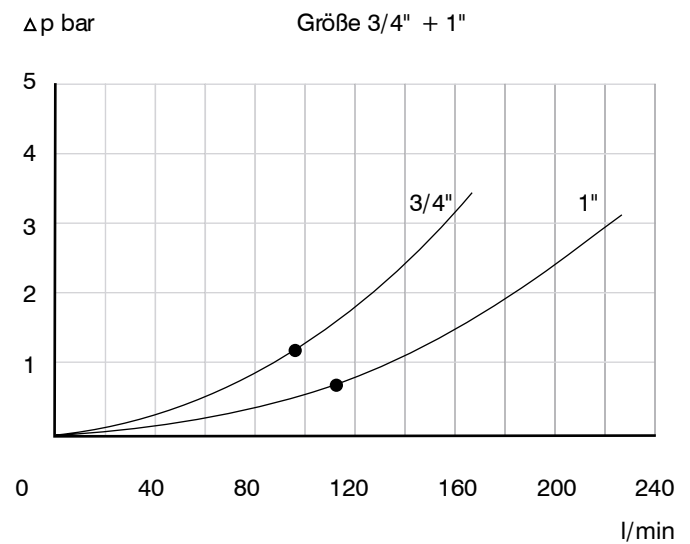
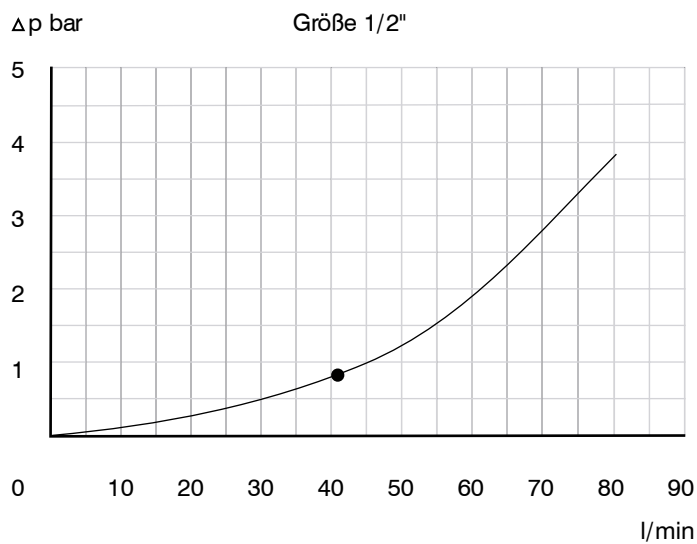
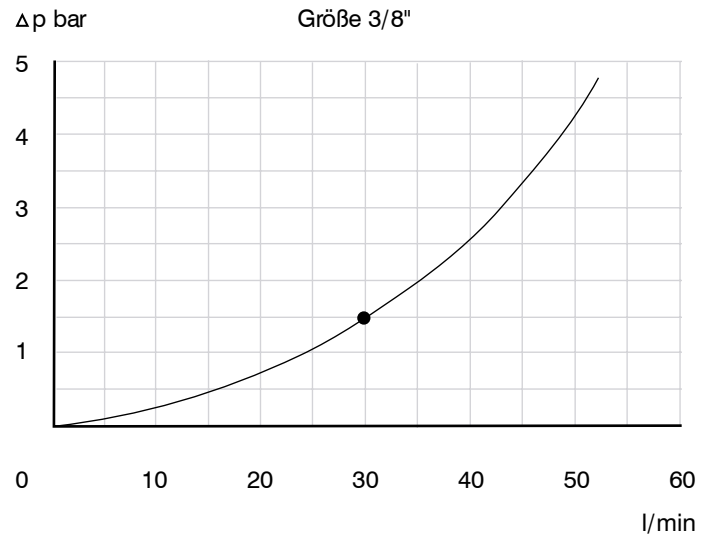
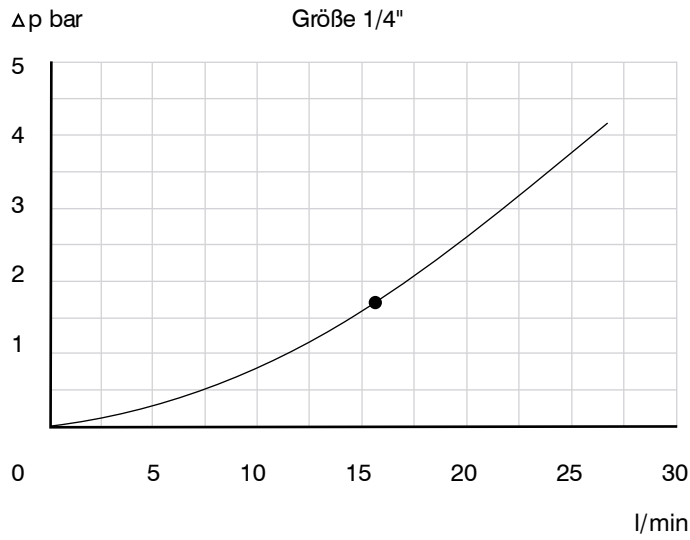
Druck Pressure PN	Gewinde Thread		ca. Maße approx. dimensions		Bestellzeichen Order-Code
	G	G1	H	SW1	
630	1/4" BSP	M 16 x 2	41	19	SMD 20-R 1/4"
630	1/2" BSP	M 16 x 2	51	27	SMD 20-R 1/2"
630	1/4" NPT	M 16 x 2	41	19	SMD 20-1/4"NPT
630	1/2" NPT	M 16 x 2	51	27	SMD 20-1/2"NPT

STECKKUPPLUNGEN UND SCHRAUBKUPPLUNGEN PUSH AND PULL COUPLINGS AND SCREW COUPLINGS

TECHNISCHE DATEN / DRUCKVERLUST - ISO-NORM B	TECHNICAL DATA / PRESSURE DROP - ISO-NORM B	15.3
STECKKUPPLUNGEN - ISO-NORM B - ROHRGEWINDE - ISO 228	QUICK RELEASE COUPLINGS - ISO-NORM B - BSP - PARALLEL	15.4
STECKKUPPLUNGEN - ISO-NORM B - NPT-INNENGEWINDE	QUICK RELEASE COUPLINGS - ISO-NORM B - NPT - FEMALE	15.5
SCHNELLVERSCHLUß-SCHRAUBKUPPLUNGEN	QUICK DISCONNECT SCREW COUPLINGS	
TECHNISCHE DATEN	TECHNICAL DATA	15.6
SCHNELLVERSCHLUß-SCHRAUBKUPPLUNGEN	QUICK DISCONNECT SCREW COUPLINGS	
TECHNISCHE DATEN / DRUCKVERLUST	TECHNICAL DATA / PRESSURE DROP	15.7
SCHNELLVERSCHLUß-SCHRAUB-KUPPLUNGEN - TYP: SK	QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK	15.8
SCHNELLVERSCHLUß-SCHRAUB-KUPPLUNGEN - TYP: SK	QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK	15.9
SCHNELLVERSCHLUß-SCHRAUB-KUPPLUNGEN - TYP: SK	QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK	15.10
ZUBEHÖR ZU SCHNELLVERSCHLUß-KUPPLUNGEN TYP: SK	ACCESSORIES FOR QUICK DISCONNECT COUPLINGS TYPE: SK	15.11
ZUBEHÖR ZU SCHNELLVERSCHLUß-KUPPLUNGEN - ISO-NORM B	ACCESSORIES FOR QUICK DISCONNECT COUPLINGS - ISO-NORM B	15.12
FLAT-FACE STECKKUPPLUNGEN	FLAT-FACE QUICK RELEASE COUPLINGS	15.13
FLAT-FACE STECKKUPPLUNGEN	FLAT-FACE QUICK RELEASE COUPLINGS	
TECHNISCHE DATEN / DRUCKVERLUST	TECHNICAL DATA / PRESSURE DROP	15.14
HOCHDRUCK-SCHRAUB-KUPPLUNGEN - TYP: HSK	HIGH PRESSURE SCREW COUPLINGS - TYPE: HSK	15.15
ZUBEHÖR ZU HOCHDRUCK-SCHRAUBKUPPLUNGEN - TYP: HSK	ACCESSORIES FOR HIGH PRESSURE SCREW COUPLINGS - TYPE: HSK	15.16

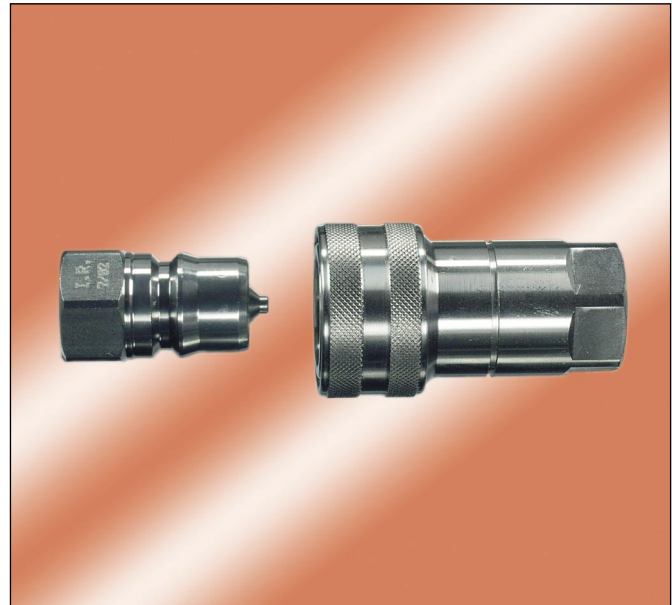
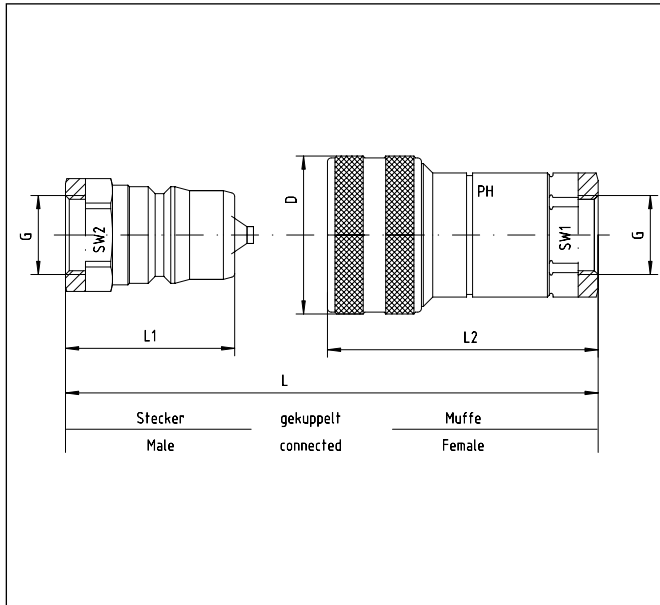
**STECKKUPPLUNGEN
ISO-NORM B
TECHNISCHE DATEN / DRUCKVERLUST**

**QUICK RELEASE COUPLINGS
ISO-NORM B
TECHNICAL DATA / PRESSURE DROP**



ISO-Norm B
 Komplet hergestellt aus Edelstahl mit Vitondichtungen
 und PTFE-Stützringen.
 Rohrrinnengewinde DIN / ISO 228

ISO norm B
 Completely made in AISI 316 stainless steel, viton seals and
 PTFE "bk" rings.
 BSPP - female thread DIN / ISO 228



Druck Pressure PB	Gewinde Thread G = BSP	ca. Maße approx. dimensions						max. Durchflußmenge max. flow rate l/min.	Bestellzeichen Order-Code Muffe / Female
		D	L	L1	L2	SW1	SW2		
300	1/8"	23	62,5		50	15		6	SV-Mu-G 1/8"
300	1/4"	28	74,5		58	19		16	SV-Mu-G 1/4"
250	3/8"	35	78,5		64	24		30	SV-Mu-G 3/8"
250	1/2"	44	91,5		73	30		41	SV-Mu-G 1/2"
250	3/4"	52	107,0		86	36		92	SV-Mu-G 3/4"
200	1"	60	126,0		103	41		113	SV-Mu-G 1"
140	1 1/4"	75	198,0		126	65		500	SV-Mu-G 1 1/4"
140	1 1/2"	75	199,0		126	65		500	SV-Mu-G 1 1/2"
90	2"	105	221,0		142	90		940	SV-Mu-G 2"
									Bestellzeichen Order-Code Stecker / Male
300	1/8"		62,5	31,0			15	6	SV-St-G 1/8"
300	1/4"		74,5	37,0			19	16	SV-St-G 1/4"
250	3/8"		78,5	39,0			22	30	SV-St-G 3/8"
250	1/2"		91,5	45,5			27	41	SV-St-G 1/2"
250	3/4"		107,0	54,0			34	92	SV-St-G 3/4"
200	1"		126,0	63,0			41	113	SV-St-G 1"
140	1 1/4"		198,0	126,0			65	500	SV-St-G 1 1/4"
140	1 1/2"		199,0	126,0			65	500	SV-St-G 1 1/2"
90	2"		221,0	142,0			90	940	SV-St-G 2"

Platzdruck: 2,5 fache Sicherheit gegen Arbeitsdruck

Burst pressure: 2,5 times working pressure

Diese Kupplungen sind austauschbar mit ISO-Standard "B-Serie", außerdem austauschbar mit Kugelserie.

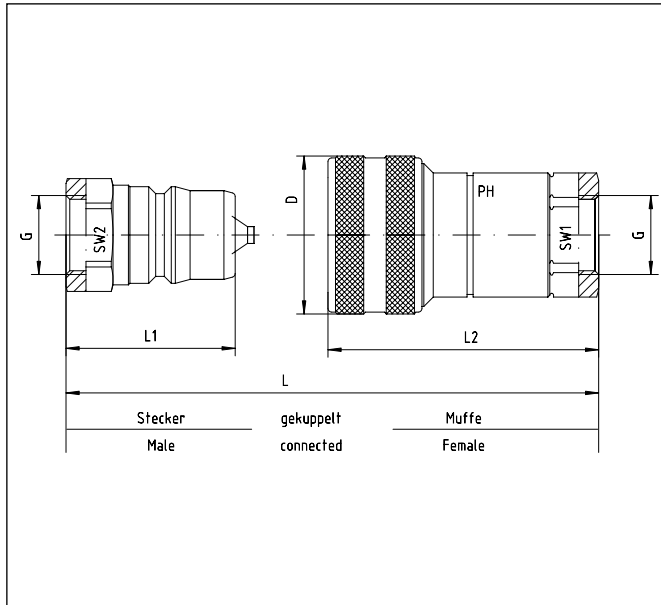
They are interchangeable with ISO-Standard "B-Series", also available with ball occlusion.

Iso-Norm B

Komplett hergestellt aus Edelstahl mit Vitondichtungen und PTFE-Stützringen.
NPT-Innengewinde

Iso-Norm B

Completely made in AISI 316 stainless steel, viton seals and PTFE "bk" rings.
NPT - female thread



Druck Pressure PB	Gewinde Thread G = NPT	ca. Maße approx. dimensions						max. Durchflußmenge max. flow rate l/min.	Bestellzeichen Order-Code Muffe / Female
		D	L	L1	L2	SW1	SW2		
300	1/8"	23	62,5		50	15		6	SV-Mu-NPT 1/8"
300	1/4"	28	74,5		58	19		16	SV-Mu-NPT 1/4"
250	3/8"	35	78,5		64	24		30	SV-Mu-NPT 3/8"
250	1/2"	44	91,5		73	30		41	SV-Mu-NPT 1/2"
250	3/4"	52	107,0		86	36		92	SV-Mu-NPT 3/4"
200	1"	60	126,0		103	41		113	SV-Mu-NPT 1"
140	1 1/4"	75	198,0		126	65		500	SV-Mu-NPT 1 1/4"
140	1 1/2"	75	199,0		126	65		500	SV-Mu-NPT 1 1/2"
90	2"	105	221,0		142	90		940	SV-Mu-NPT 2"
									Bestellzeichen Order-Code Stecker / Male
300	1/8"		62,5	31,0			15	6	SV-St-NPT 1/8"
300	1/4"		74,5	37,0			19	16	SV-St-NPT 1/4"
250	3/8"		78,5	39,0			22	30	SV-St-NPT 3/8"
250	1/2"		91,5	45,5			27	41	SV-St-NPT 1/2"
250	3/4"		107,0	54,0			34	92	SV-St-NPT 3/4"
200	1"		126,0	63,0			41	113	SV-St-NPT 1"
140	1 1/4"		198,0	126,0			65	500	SV-St-NPT 1 1/4"
140	1 1/2"		199,0	126,0			65	500	SV-St-NPT 1 1/2"
90	2"		221,0	142,0			90	940	SV-St-NPT 2"

Platzdruck: 2,5 fache Sicherheit gegen Arbeitsdruck

Burst pressure: 2,5 times working pressure

Diese Kupplungen sind austauschbar mit ISO-Standard "B-Serie", außerdem austauschbar mit Kugelserie.

They are interchangeable with ISO-Standard "B-Series", also available with ball occlusion.

Schnellverschluß-Schraubkupplungen sperren beidseitig ab. Die Verbindung von Kupplungsmuffe und Kupplungsstecker erfolgt durch Verschraubung mit der Handmutter. Beim Kupplungsvorgang ist der Ventilraum bereits abgedichtet bevor die Ventile sich öffnen. Beim Entkuppeln noch geschlossen bevor die Verbindung getrennt werden kann. Das Kuppeln unter Druck stehender Kupplungshälften ist zu vermeiden, da sonst die Ventileinheiten beschädigt werden.

- Sicher gegen Druckstöße und Druckschwingungen
- Robuste Spezialgewinde
- Strömungsgünstige Ausbildung des Durchflussbereiches

Technische Daten (Standardausführung)

Werkstoff: V4a = AISI 316, Dichtungen aus FPM (Viton), Stützring aus PTFE

Verwendbarkeit: Hydraulikflüssigkeiten auf Mineralöl- und Glycolbasis, Luft und Wasser mit Korrosionsschutz

Temperaturbereich: -20°C bis +200°C



Quick release screw couplings shut off on both parts. The connection of male and female part arises in screwing the hand nut. During the coupling process the outlet is tight before the opening of the valve. By demantling the coupling the valves are closed before the disconnection of both parts. To safe the function of the valve parts the connection process under pressure should be avoided.

- Secure against pressure impulses
- Non sensitive special threads
- Current favorable formation of the flow range

Technical data (Standard version)

Material: V4a = AISI 316, sealings from FPM (Viton), back-up ring from PTFE

Utilization: Hydraulic fluids on mineral oil and glycol base, air and water with corrosion protection

Temperature range: -20°C to +200°C

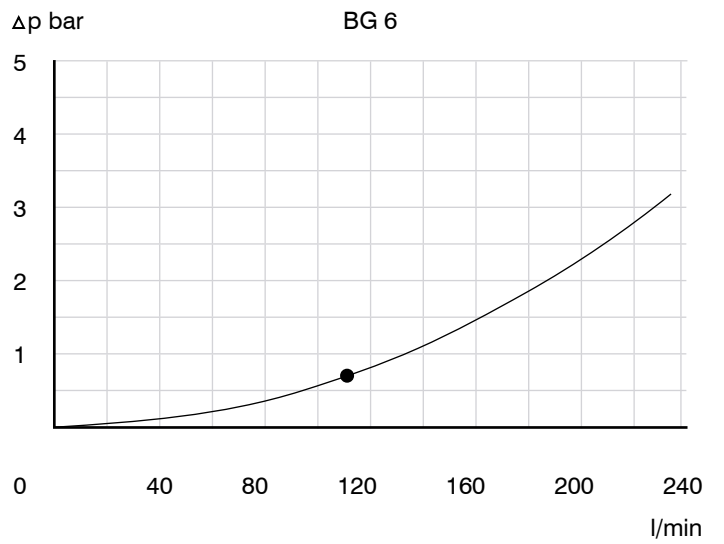
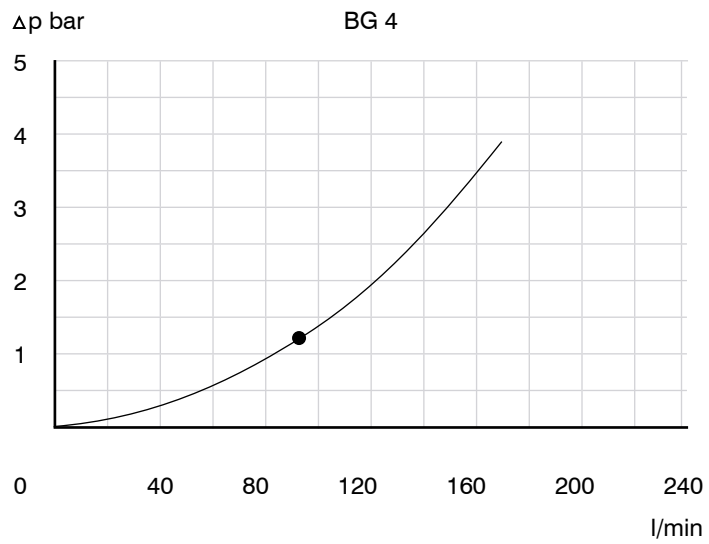
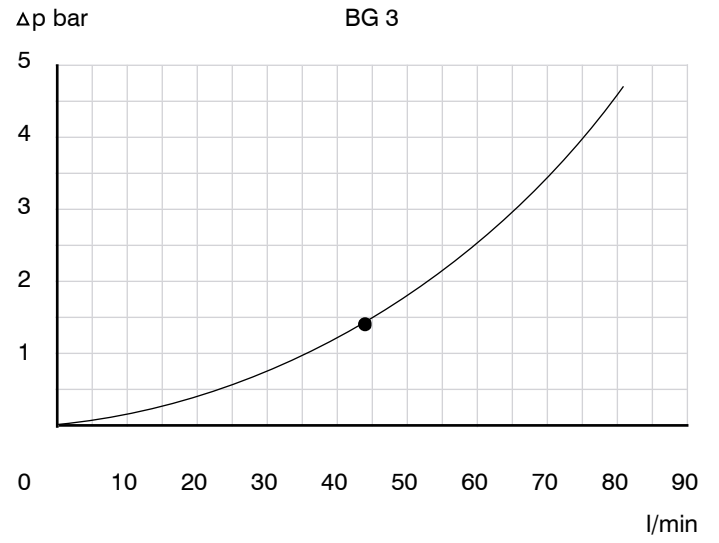
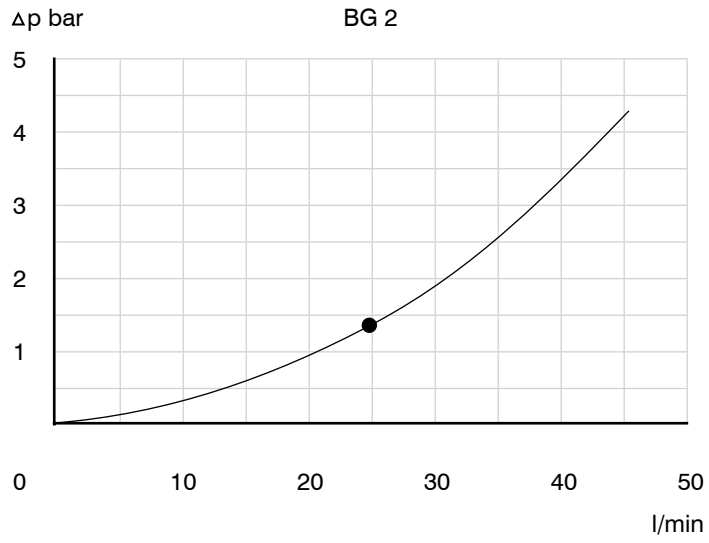
DN	Durchflußquerschnitt Flow cross section mm ²	Nenndruck / Pressure			Baugröße Size
		Kupplung gekuppelt Coupling connected bar	Kupplung getrennt Coupling separate		
			Kupplungs-Muffe Coupling - female bar	Kupplungs-Stecker Coupling - male bar	
5-6	25	450	450	450	1
6-8	50	450	450	450	2
8-12	75	400	400	400	3
10-16	150	300	300	300	4
16-25	208	300	300	300	6
25-32	525	200	200	200	8

Platzdruck: 2,5 fache Sicherheit gegen Arbeitsdruck

Burst pressure: 2,5 times working pressure

**SCHNELLVERSCHLUß-
SCHRAUBKUPPLUNGEN
TECHNISCHE DATEN / DRUCKVERLUST**

**QUICK DISCONNECT
SCREW COUPLINGS
TECHNICAL DATA / PRESSURE DROP**



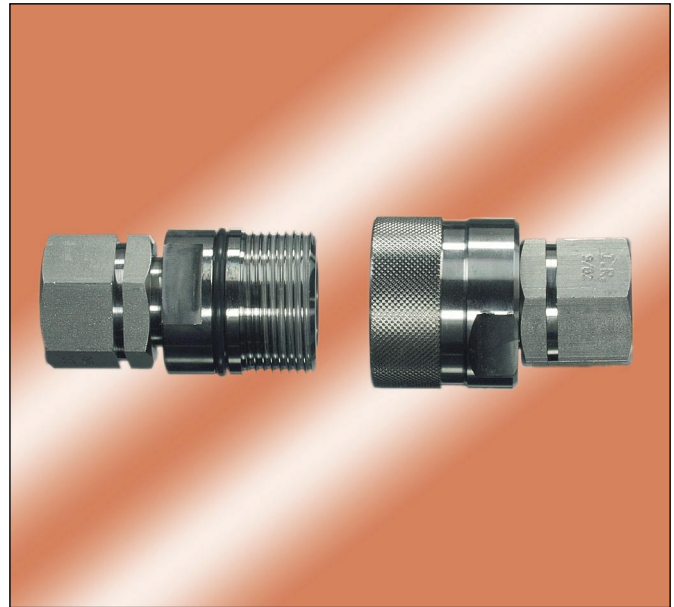
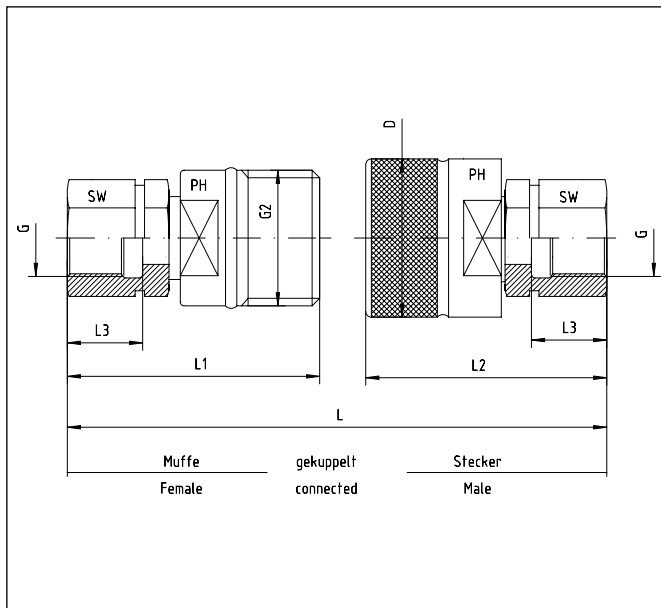
SCHNELLVERSCHLUß-SCHRAUB- KUPPLUNGEN - TYP: SK



QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK

Anschluß Innengewinde - BSP - zylindrisch
DIN / ISO 228

female thread - BSP - parallel
DIN / ISO 228



Baugröße Size	DN	Gewinde Thread		ca. Maße approx. dimensions						Bestellzeichen Order-Code Muffe / Female
		G = BSP	G2	D	L	L1	L2	L3	SW	
1	6	G 1/4"	24 x 2		92,0	59,0		13	19	SKM-1-G 1/4"
2	8	G 3/8"	28 x 2		98,0	63,5		13	22	SKM-2-G 3/8"
3	12	G 1/2"	36 x 2		103,0	67,0		15	30	SKM-3-G 1/2"
4	16	G 3/4"	42 x 2		123,5	83,0		17	36	SKM-4-G 3/4"
6	20	G 1"	48 x 3		138,0	94,0		18	41	SKM-6-G 1"
8	32	G 1 1/2"	70 x 3		189,0	116,0		25	55	SKM-8-G 1 1/2"
										Bestellzeichen Order-Code Stecker / Male
1	6	G 1/4"	24 x 2	30	92,0		58,0	13	19	SKS-1-G 1/4"
2	8	G 3/8"	28 x 2	34	98,0		61,0	13	22	SKS-2-G 3/8"
3	12	G 1/2"	36 x 2	42	103,0		63,5	15	30	SKS-3-G 1/2"
4	16	G 3/4"	42 x 2	48	123,5		73,0	17	36	SKS-4-G 3/4"
6	20	G 1"	48 x 3	55	138,0		79,0	18	41	SKS-6-G 1"
8	32	G 1 1/2"	70 x 3	80	189,0		121,0	25	55	SKS-8-G 1 1/2"

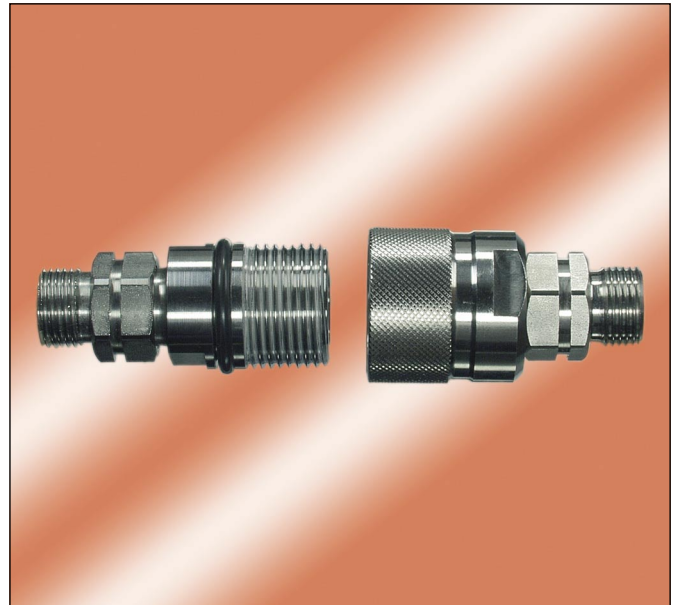
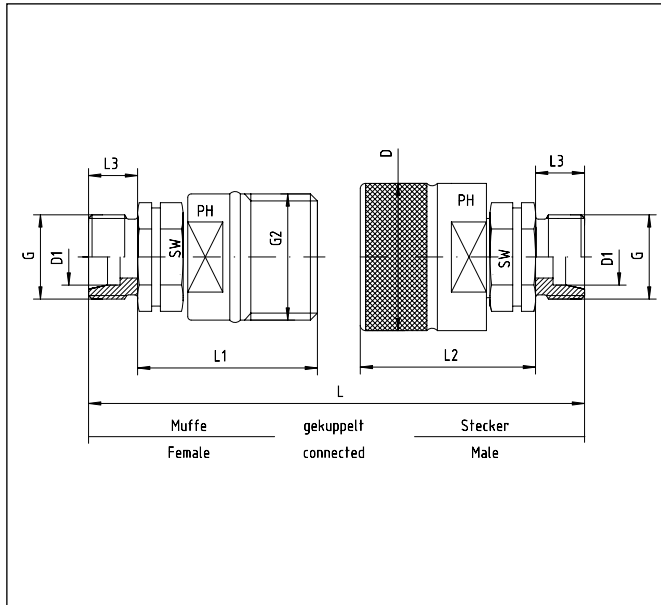
SCHNELLVERSCHLUß-SCHRAUB- KUPPLUNGEN - TYP: SK



QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK

Anschluß für lötlöse Rohrverschraubungen DIN 2353 /
DIN EN ISO 8434-1

Fittings for solderless connectors DIN 2353 /
DIN EN ISO 8434-1



Reihe Series	Baugröße Size	DN	Gewinde Thread		ca. Maße approx. dimensions							Bestellzeichen Order-Code Muffe / Female
			G	G2	D	D1	L	L1	L2	L3	SW	
L	1	5	M 12 x 1,5	24 x 2		6	88	57		10	19	SKM-1-06-L
L	2	6	M 14 x 1,5	28 x 2		8	92	61		10	22	SKM-2-08-L
L	2	8	M 16 x 1,5	28 x 2		10	94	62		11	22	SKM-2-10-L
L	3	10	M 18 x 1,5	36 x 2		12	98	65		11	30	SKM-3-12-L
L	3	12	M 22 x 1,5	36 x 2		15	101	66		12	30	SKM-3-15-L
L	4	16	M 26 x 1,5	42 x 2		18	117	79		12	36	SKM-4-18-L
L	6	20	M 30 x 2	48 x 3		22	137	93		14	41	SKM-6-22-L
L	6	25	M 36 x 2	48 x 3		28	137	93		14	41	SKM-6-28-L
L	8	32	M 45 x 2	70 x 3		35	174	108		16	55	SKM-8-35-L
L	8	40	M 52 x 2	70 x 3		42	174	108		16	55	SKM-8-42-L
												Bestellzeichen Order-Code Stecker / Male
L	1	5	M 12 x 1,5	24 x 2	30	6	88		56	10	19	SKS-1-06-L
L	2	6	M 14 x 1,5	28 x 2	34	8	92		58	10	22	SKS-2-08-L
L	2	8	M 16 x 1,5	28 x 2	34	10	94		59	11	22	SKS-2-10-L
L	3	10	M 18 x 1,5	36 x 2	42	12	98		62	11	30	SKS-3-12-L
L	3	12	M 22 x 1,5	36 x 2	42	15	101		63	12	30	SKS-3-15-L
L	4	16	M 26 x 1,5	42 x 2	48	18	117		69	12	36	SKS-4-18-L
L	6	20	M 30 x 2	48 x 3	55	22	137		79	14	41	SKS-6-22-L
L	6	25	M 36 x 2	48 x 3	55	28	137		79	14	41	SKS-6-28-L
L	8	32	M 45 x 2	70 x 3	80	35	174		113	16	55	SKS-8-35-L
L	8	40	M 52 x 2	70 x 3	80	42	174		113	16	55	SKS-8-42-L

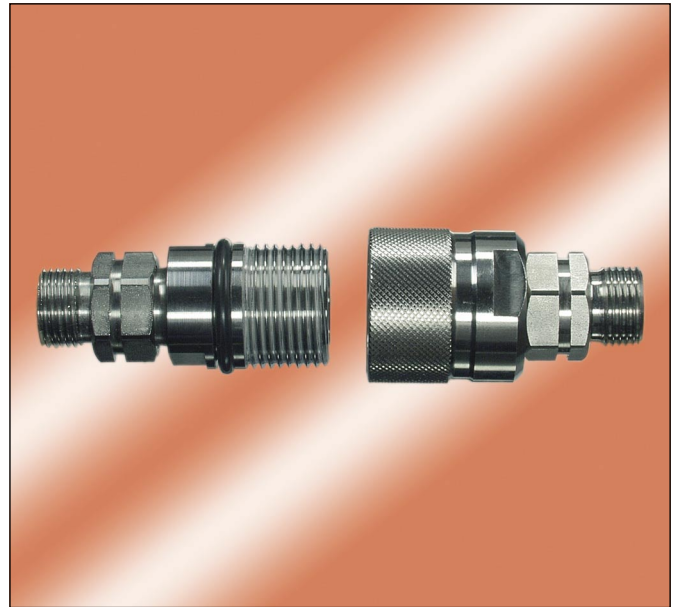
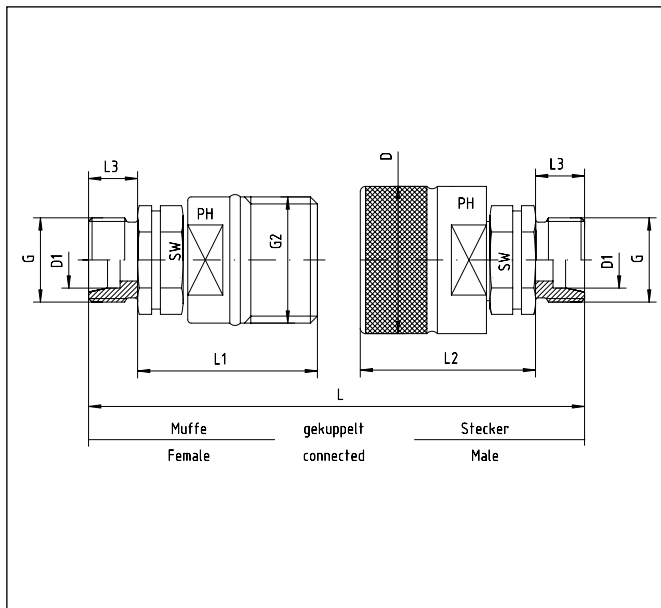
SCHNELLVERSCHLUß-SCHRAUB- KUPPLUNGEN - TYP: SK



QUICK DISCONNECT SCREW COUPLINGS - TYPE: SK

Anschluß für lötlöse Rohrverschraubungen DIN 2353 /
DIN EN ISO 8434-1

Fittings for solderless connectors DIN 2353 /
DIN EN ISO 8434-1



Reihe Series	Baugröße Size	DN	Gewinde Thread		ca. Maße approx. dimensions							Bestellzeichen Order-Code Muffe / Female	
			G	G2	D	D1	L	L1	L2	L3	SW		
S	1	5	M 16 x 1,5	24 x 2		8	92	59		12	19	SKM-1-08-S	
S	2	6	M 18 x 1,5	28 x 2		10	96	63		12	22	SKM-2-10-S	
S	2	8	M 20 x 1,5	28 x 2		12	96	63		12	22	SKM-2-12-S	
S	3	10	M 22 x 1,5	36 x 2		14	105	68		14	30	SKM-3-14-S	
S	3	12	M 24 x 1,5	36 x 2		16	105	68		14	30	SKM-3-16-S	
S	4	16	M 30 x 2	42 x 2		20	125	83		16	36	SKM-4-20-S	
S	6	20	M 36 x 2	48 x 3		25	145	97		18	41	SKM-6-25-S	
S	8	25	M 42 x 2	70 x 3		30	182	112		20	55	SKM-8-30-S	
S	8	32	M 52 x 2	70 x 3		38	186	114		22	55	SKM-8-38-S	
													Bestellzeichen Order-Code Stecker / Male
S	1	5	M 16 x 1,5	24 x 2	30	8	92		58	12	19	SKS-1-08-S	
S	2	6	M 18 x 1,5	28 x 2	34	10	96		60	12	22	SKS-2-10-S	
S	2	8	M 20 x 1,5	28 x 2	34	12	96		60	12	22	SKS-2-12-S	
S	3	10	M 22 x 1,5	36 x 2	42	14	105		65	14	30	SKS-3-14-S	
S	3	12	M 24 x 1,5	36 x 2	42	16	105		65	14	30	SKS-3-16-S	
S	4	16	M 30 x 2	42 x 2	48	20	125		73	16	36	SKS-4-20-S	
S	6	20	M 36 x 2	48 x 3	55	25	145		83	18	41	SKS-6-25-S	
S	8	25	M 42 x 2	70 x 3	80	30	182		117	20	55	SKS-8-30-S	
S	8	32	M 52 x 2	70 x 3	80	38	186		119	22	55	SKS-8-38-S	

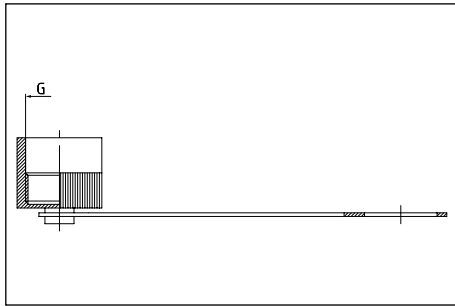
**ZUBEHÖR
ZU SCHNELLVERSCHLUß-KUPPLUNGEN
TYP: SK**



**ACCESSORIES
FOR QUICK DISCONNECT COUPLINGS
TYPE: SK**

Staubschutz für Schnellverschluß-Schraubkupplungen
Verschlußkappe - Kunststoff - für Muffe

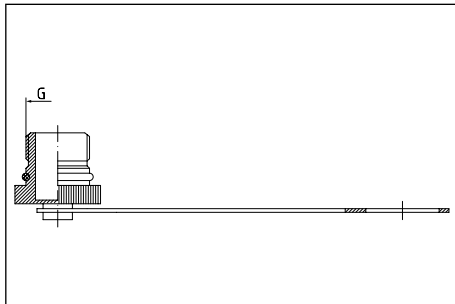
Dust protection for quick screw couplings
Dust cap - plastic - for female



Baugröße Size	G	Bestellzeichen Order-Code
1	24 x 2	SS-SKM 1
2	28 x 2	SS-SKM 2
3	36 x 2	SS-SKM 3
4	42 x 2	SS-SKM 4
6	48 x 3	SS-SKM 6
8	70 x 3	SS-SKM 8

Staubschutz für Schnellverschluß-Schraubkupplungen
Verschlußstopfen - Kunststoff - für Stecker

Dust protection for quick screw couplings
Dust plug - plastic - for male



Baugröße Size	G	Bestellzeichen Order-Code
1	24 x 2	SS-SKS 1
2	28 x 2	SS-SKS 2
3	36 x 2	SS-SKS 3
4	42 x 2	SS-SKS 4
6	48 x 3	SS-SKS 5
8	70 x 3	SS-SKS 6

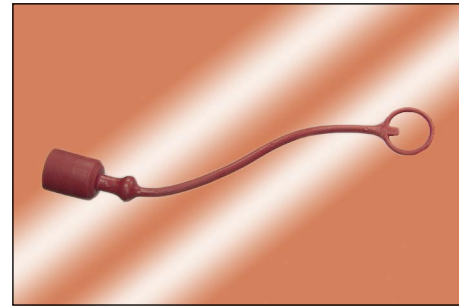
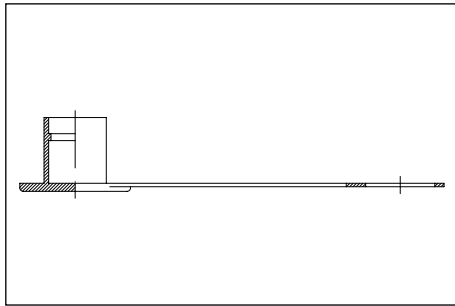
ZUBEHÖR ZU SCHNELLVERSCHLUß-KUPPLUNGEN



ACCESSORIES FOR QUICK DISCONNECT COUPLINGS

Staubschutz für Schnellverschluß-Steckkupplungen
Iso-Norm B
Verschlußkappe - Kunststoff - für Stecker

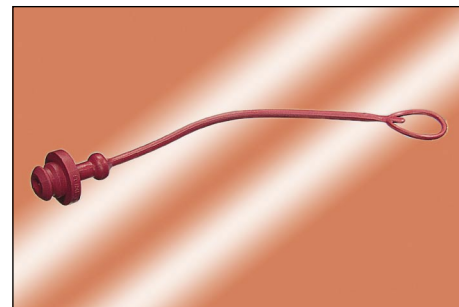
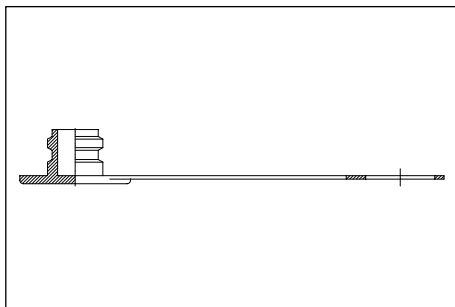
Dust protection for quick release couplings
Iso-Norm B
Dust cap - plastic - for male



Baugröße Size	Bestellzeichen Order-Code
1/8"	SS-St 1/8"
1/4"	SS-St 1/4"
3/8"	SS-St 3/8"
1/2"	SS-St 1/2"
3/4"	SS-St 3/4"
1"	SS-St 1"
1 1/4"	SS-St 1 1/4"
1 1/2"	SS-St 1 1/2"
2"	SS-St 2"

Staubschutz für Schnellverschluß-Steckkupplungen
Iso-Norm B
Verschlußstopfen - Kunststoff - für Muffe

Dust protection for quick release couplings
Iso-Norm B
Dust plug - plastic - for female



Baugröße Size	Bestellzeichen Order-Code
1/8"	SS-Mu 1/8"
1/4"	SS-Mu 1/4"
3/8"	SS-Mu 3/8"
1/2"	SS-Mu 1/2"
3/4"	SS-Mu 3/4"
1"	SS-Mu 1"
1 1/4"	SS-Mu 1 1/4"
1 1/2"	SS-Mu 1 1/2"
2"	SS-Mu 2"

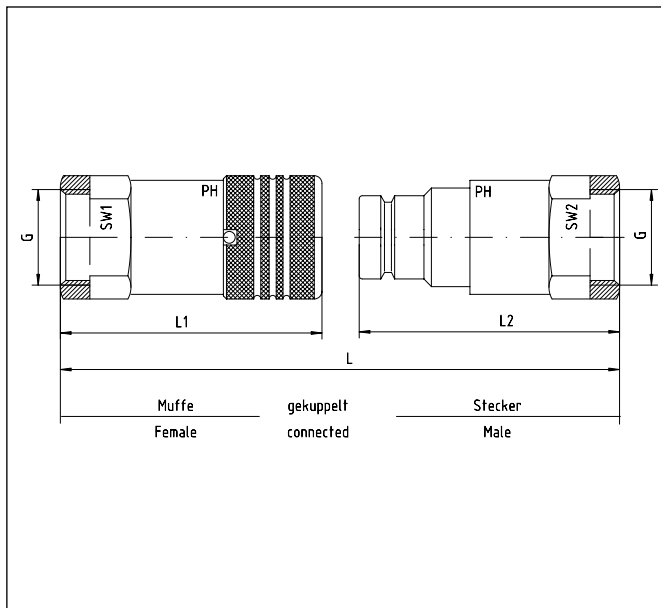
FLAT-FACE STECKKUPPLUNGEN



QUICK RELEASE COUPLINGS

nach ISO-Norm 16028 Standard
mit Rohrrinnengewinde BSP - zylindrisch
DIN / ISO 228

according to ISO-Norm 16028 standard
female thread - BSP - parallel
DIN / ISO 228



Druck Pressure PN	Gewinde Thread G	L	ca. Maße approx. dimensions				max. Durchflußmenge max. flow rate l/min	Bestellzeichen Order-Code Muffe / Female
			L1	L2	SW1	SW2		
300	1/4"-19	85	48,0		22	18	FF 1/4"-F	
250	3/8"-19	109	64,5		27	38	FF 3/8"-F	
250	1/2"-14	125	74,0		32	75	FF 1/2"-F	
200	3/4"-14	131	79,0		36	100	FF 3/4"-F	
150	1"-11	153	93,0		45	140	FF 1"-F	
100	1 1/4"-11,5	173	106,0		55	200	FF 1 1/4"-F	
							Bestellzeichen Order-Code Stecker / Male	
300	1/4"-19	85		48	22	18	FF 1/4"-M	
250	3/8"-19	109		61	24	38	FF 3/8"-M	
250	1/2"-14	125		68	32	75	FF 1/2"-M	
200	3/4"-14	131		70	36	100	FF 3/4"-M	
150	1"-11	153		82	45	140	FF 1"-M	
100	1 1/4"-11,5	173		90	55	200	FF 1 1/4"-M	

Flat-face Kupplungen sind beidseitig absperrende Steckkupplungen mit Kugelverriegelung.

Die Verschmutzung der Kupplungshälften an den Kuppelstellen ist durch die flache Konstruktion sehr gering. Die Kupplung kann unter Restdruck durch Einhandbedienung gekuppelt und entkuppelt werden.

Der Flüssigkeitsverlust ist minimal. Es entsteht kein Lufteinschluß beim Kupplungsvorgang, die Standard-Dichtungskombination ist Viton/PTFE.

Die Arbeitstemperatur ist von -20°C bis +180°C.

Flat-face quick couplings are supplied with a ball-lock-system.

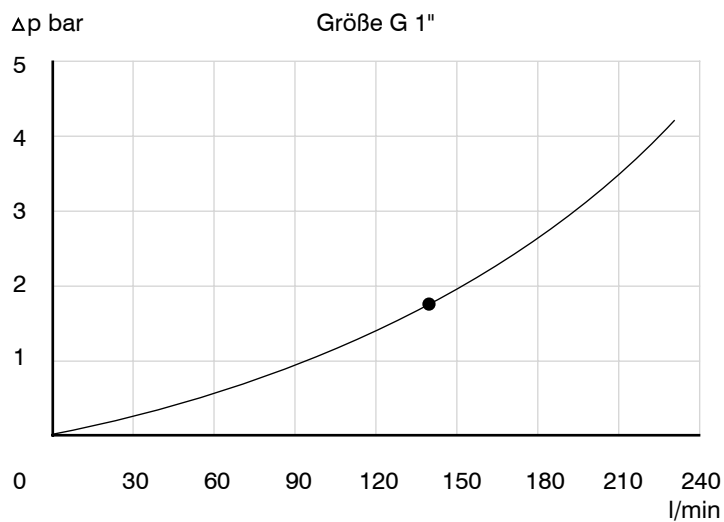
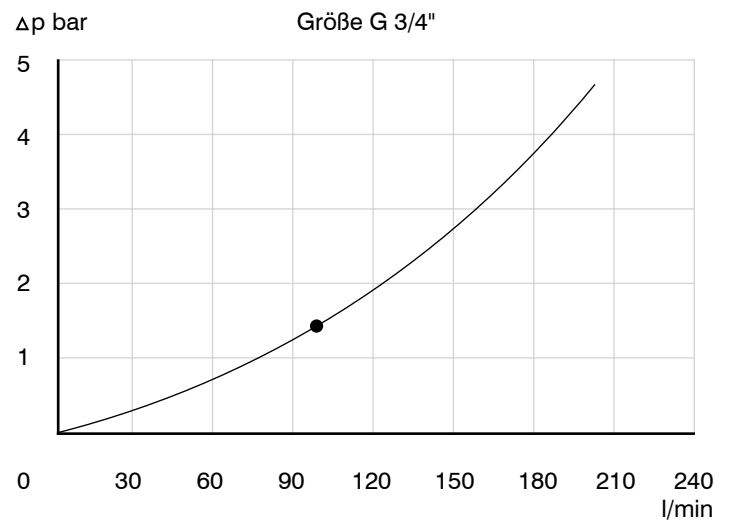
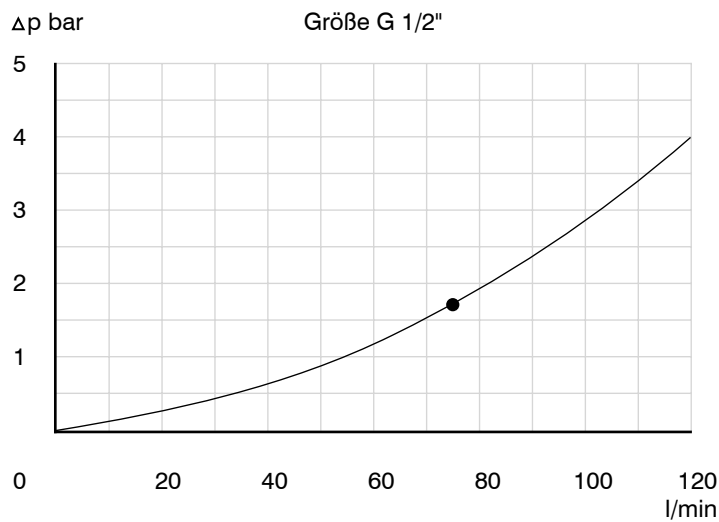
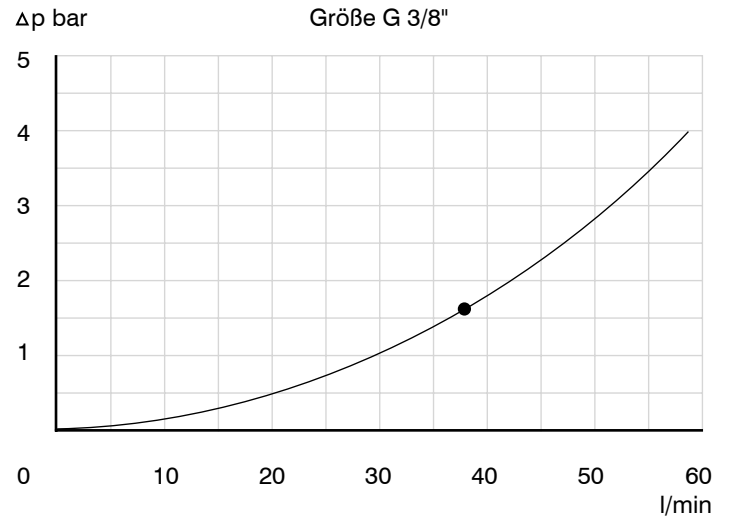
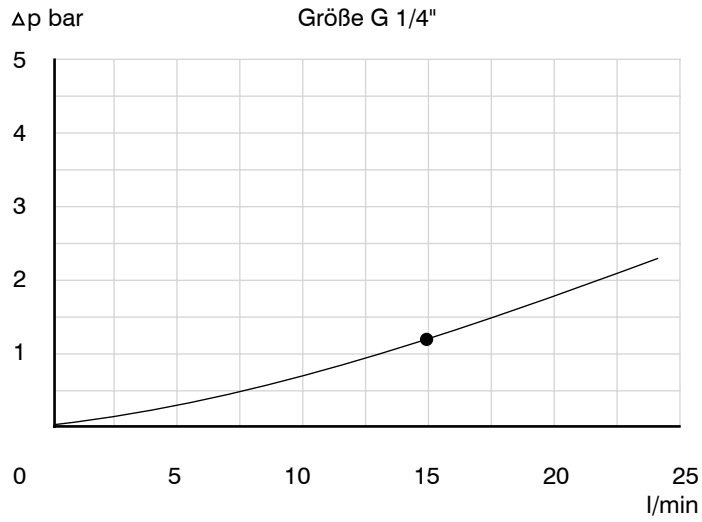
Because of it's flat construction, dirt particles can only arise at a minimum an the coupling surface. The couplings could be connected and disconnected at the remaining pressure.

Loss of liquide is at a minimum level, coupling procedure can be arranged with one-hand only. Air control arise during the coupling process. The standard sealing combination is Viton/PTFE.

Working temperature is from -20°C to 180°C.

**FLAT-FACE
STECKKUPPLUNGEN
TECHNISCHE DATEN / DRUCKVERLUST**

**FLAT-FACE
QUICK RELEASE COUPLINGS
TECHNICAL DATA / PRESSURE DROP**



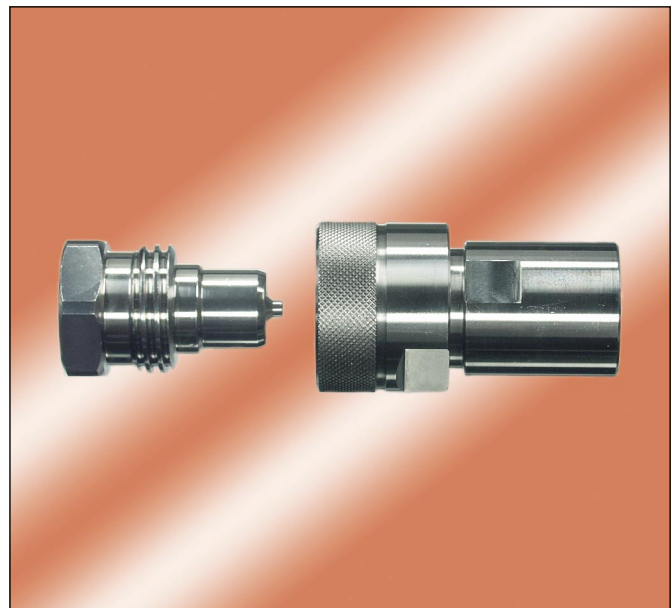
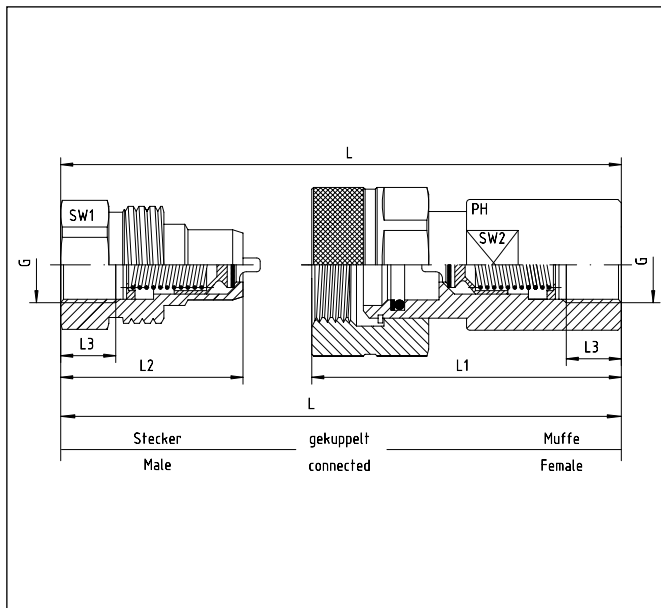
HOCHDRUCK-SCHRAUB- KUPPLUNGEN - TYP: HSK



HIGH PRESSURE SCREW COUPLINGS - TYPE: HSK

unter Druck kuppelbar
Anschluß-Innengewinde: BSP - zylindrisch
DIN / ISO 228

coupling and uncoupling under high pressure
female thread - BSP - parallel
DIN / ISO 228



DN	Druck Pressure PB	Gewinde Thread G	ca. Maße approx. dimensions							Bestellzeichen Order-Code Muffe / Female	
			D	L	L1	L2	L3	SW1	SW2		
10	650	3/8"	40	89,5	75,0			13		30	HSK-M-G 3/8"
12,5	600	1/2"	45	102,0	86,5			15		34	HSK-M-G 1/2"
20	500	3/4"	55	121,0	105,0			17		41	HSK-M-G 3/4"
25	460	1"	60	138,0	124,0			18		50	HSK-M-G 1"
31,5	380	1 1/4"	80	167,0	152,5			25		65	HSK-M-G 1 1/4"
Bestellzeichen Order-Code Stecker / Male											
10	650	3/8"		89,5		48,0		13	32		HSK-S-G 3/8"
12,5	600	1/2"		102,0		53,5		15	34		HSK-S-G 1/2"
20	500	3/4"		121,0		63,0		17	46		HSK-S-G 3/4"
25	460	1"		138,0		72,0		18	50		HSK-S-G 1"
31,5	380	1 1/4"		167,0		86,0		25	65		HSK-S-G 1 1/4"

Technische Daten (Standardausführung)

Werkstoff: V4a = AISI 316, Dichtungen aus FPM (Viton), Stützring aus PTFE

Verwendbarkeit: Hydraulikflüssigkeiten auf Mineralöl- und Glycolbasis, Luft und Wasser mit Korrosionsschutz

Temperaturbereich: -20°C bis +200°C

Technical data (Standard version)

Material: V4a = AISI 316, sealings from FPM (Viton), back-up ring from PTFE

Utilization: Hydraulic fluids on mineral oil and glycol base, air and water with corrosion protection

Temperature range: -20°C to +200°C

Platzdruck: 2,5 fache Sicherheit gegen Arbeitsdruck

Burst pressure: 2,5 times working pressure

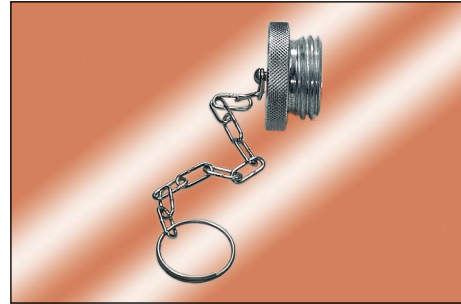
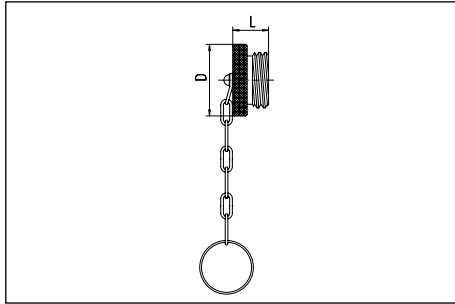
ZUBEHÖR ZU HOCHDRUCK-SCHRAUBKUPPLUNGEN TYP: HSK



ACCESSORIES FOR HIGH PRESSURE SCREW COUPLINGS TYPE: HSK

Aluminium-Staubschutz
Verschlußstopfen für Muffe

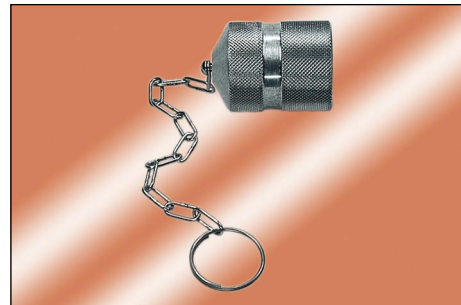
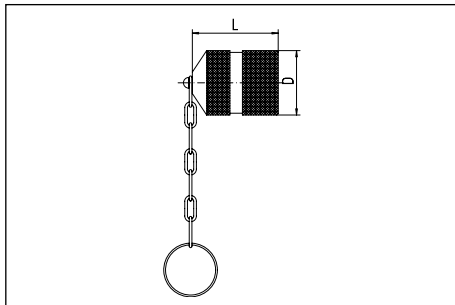
Aluminium dust protection
Dust plug for female



Baugröße Size DN	ca. Maße approx. dimensions		Bestellzeichen Order-Code Muffe - Female
	D	L	
10,0	40,0	20	SS-HSKM-10
12,5	45,0	22	SS-HSKM-12,5
20,0	54,5	27	SS-HSKM-20
25,0	60,0	33	SS-HSKM-25
31,5	79,0	38	SS-HSKM-31,5

Aluminium-Staubschutz
Verschlußkappe für Stecker

Aluminium dust protection
Dust cap for male



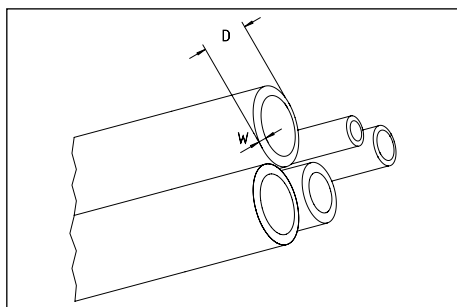
Baugröße Size DN	ca. Maße approx. dimensions		Bestellzeichen Order-Code Stecker - Male
	D	L	
10,0	35	46,5	SS-HSKS-10
12,5	38	51,0	SS-HSKS-12,5
20,0	50	60,5	SS-HSKS-20
25,0	58	67,0	SS-HSKS-25
31,5	74	81,0	SS-HSKS-31,5

ROHR UND ROHRBOGEN TUBE AND TUBE BENDS

NAHTLOSE ROHRE	SEAMLESS TUBES	16.3
NAHTLOSE ROHRBOGEN - 90°	SEAMLESS TUBE BENDS - 90°	16.4

1.4571 = AISI 316 ti

1.4571 = AISI 316 ti



Rohr A.D. Tube O.D. D	Wanddicke Wall thickness W	Rohr I.D. Tube I.D.	Berechnungsdruck DIN 2413-I Design pressure DIN 2413-I bar	Berstdruck Burst pressure bar	Gewicht Weight kg/m	Bestellzeichen Order-Code
4	1	2	600	3850	0,075	NR 4 x 1
6	1	4	426	2340	0,125	NR 6 x 1
8	1	6	368	1660	0,175	NR 8 x 1
8	1,5	5	472	2800	0,244	NR 8 x 1,5
10	1	8	294	1290	0,225	NR 10 x 1
10	1,5	7	389	1930	0,319	NR 10 x 1,5
10	2	6	498	3100	0,401	NR 10 x 2
12	1	10	245	1220	0,275	NR 12 x 1
12	1,5	9	368	1580	0,394	NR 12 x 1,5
12	2	8	426	2380	0,501	NR 12 x 2
14	2	10	420	2180	0,601	NR 14 x 2
15	1	13	196	860	0,351	NR 15 x 1
15	1,5	12	294	1140	0,507	NR 15 x 1,5
15	2	11	392	1750	0,651	NR 15 x 2
16	2	12	368	1800	0,701	NR 16 x 2
16	2,5	11	403	2120	0,845	NR 16 x 2,5
16	3	10	472	2800	0,977	NR 16 x 3
18	1,5	15	245	1050	0,620	NR 18 x 1,5
18	2	14	327	1520	0,801	NR 18 x 2
20	2	16	294	1250	0,901	NR 20 x 2
20	2,5	15	368	1550	1,095	NR 20 x 2,5
20	3	14	389	1960	1,277	NR 20 x 3
22	2	18	267	1020	1,002	NR 22 x 2
22	3	16				NR 22 x 3
25	2,5	20	294	1190	1,408	NR 25 x 2,5
25	3	19	353	1520	1,653	NR 25 x 3
28	2	24	210	880	1,302	NR 28 x 2
28	3	22				NR 28 x 3
30	3	24	294	1140	2,028	NR 30 x 3
30	4	22	392	1650	2,605	NR 30 x 4
35	2	31	168	670	1,653	NR 35 x 2
35	5	25				NR 35 x 5
38	4	30	309	1240	3,405	NR 38 x 4
38	5	28				NR 38 x 5
42	2	38	140	520	2,003	NR 42 x 2
42	3	36	210	860	2,930	NR 42 x 3
50	5	40				NR 50 x 5

Zulässiger Temperaturbereich und werkstoffbedingte Druckabschläge gegenüber den Berechnungsdrücken bei erhöhten Temperaturen entsprechen dem Abfall der 1% Dehngrenze (DIN 17458)

Temperatur	-60°C bis +20°C	50°C	100°C	200°C	300°C	400°C
Druckabschlag	-	5,5%	11,5%	21,5%	29%	34%

Zwischenwerte sind zu interpolieren

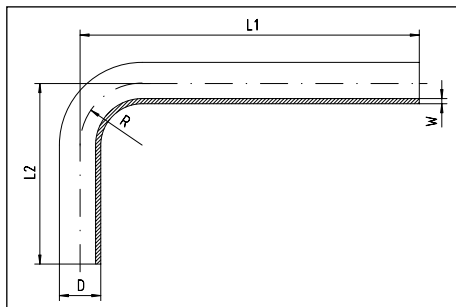
Permissible temperature range and required pressure reductions compared to calculation pressures for higher temperatures correspond to the decrease of 1% proof stress (DIN 17458)

Temperature	-60°C up to +20°C	50°C	100°C	200°C	300°C	400°C
Pressure reductions	-	5,5%	11,5%	21,5%	29%	34%

Intermediate values are to be interpolated

Werkstoff: 1.4571

Material: 1.4571



Rohr A.D. Tube O.D. D	Wandstärke Wall thickness W	Rohr I.D. Tube I.D.	Biegeradius Bend radius R	ca. Maße approx. dimensions		Bestellzeichen Order-Code
				L1	L2	
16	2	12	24	230	70	NRB 16 x 2
18	1,5	15	30	236	71	NRB 18 x 1,5
18	2	14	30	236	71	NRB 18 x 2
20	2	16	33	236	81	NRB 20 x 2
20	2,5	15	33	236	81	NRB 20 x 2,5
22	2	18	33	238	78	NRB 22 x 2
22	3	16	33	238	78	NRB 22 x 3
25	2,5	20	42	244	94	NRB 25 x 2,5
25	3	19	42	244	94	NRB 25 x 3
28	2	24	42	248	98	NRB 28 x 2
28	3	22	42	248	98	NRB 28 x 3
30	3	24	50	250	110	NRB 30 x 3
30	4	22	50	250	110	NRB 30 x 4
35	2	31	53	260	125	NRB 35 x 2
35	5	25	53	260	125	NRB 35 x 5
38	4	30	60	265	140	NRB 38 x 4
38	5	28	60	265	140	NRB 38 x 5
42	3	36	65	280	165	NRB 42 x 3
50	5	40	75	310	310	NRB 50 x 5

HYDRAULIKSCHLÄUCHE UND MONTAGEVORSCHRIFTEN

HYDRAULIC-HOSES AND INSTRUCTIONS FOR INSTALLATION

LEGENDE DER SYMBOLE	LEGEND OF SYMBOLS	17.3
HINWEISE FÜR DAS VERLEGEN	INSTRUCTIONS FOR INSTALLATION	17.4
LÄNGENBESTIMMUNG VON SCHLAUCHLEITUNGEN	CALCULATING THE LENGTH OF HOSE ASSEMBLIES	17.5
LÄNGENBESTIMMUNG VON SCHLAUCHLEITUNGEN	CALCULATING THE LENGTH OF HOSE ASSEMBLIES	17.6
ASTRO / 2 - DIN - EN 854 / 2 TE	ASTRO / 2 - DIN - EN 854 / 2 TE	17.7
ASTRO / 3 - DIN - EN 854 / 3 TE	ASTRO / 3 - DIN - EN 854 / 3 TE	17.8
TRACTOR / 1 - SAE 100 R1A - DIN - EN 853 / 1 ST	TRACTOR / 1 - SAE 100 R1A - DIN - EN 853 / 1 ST	17.9
ROCKMASTER / 2 ST - SAE 100 R2A - DIN - EN 853 / 2 ST	ROCKMASTER / 2 ST - SAE 100 R2A - DIN - EN 853 / 2 ST	17.10
TRACTOR / 1 T - SAE 100 R1AT - DIN - EN 853 / 1 SN	TRACTOR / 1 T - SAE 100 R1AT - DIN - EN 853 / 1 SN	17.11
TRACTOR / 2 T - SAE 100 R2AT - DIN - EN 853 / 2 SN	TRACTOR / 2 T - SAE 100 R2AT - DIN - EN 853 / 2 SN	17.12
TRACTOR / 1 K - DIN - EN 857 / 1 SC	TRACTOR / 1 K - DIN - EN 857 / 1 SC	17.13
TRACTOR / 2 K - DIN - EN 857 / 2 SC	TRACTOR / 2 K - DIN - EN 857 / 2 SC	17.14
GOLDENSPIR / 4 SP - DIN - EN 856 / 4 SP	GOLDENSPIR / 4 SP - DIN - EN 856 / 4 SP	17.15
GOLDENSPIR / 4 SH - DIN - EN 856 / 4 SH	GOLDENSPIR / 4 SH - DIN - EN 856 / 4 SH	17.16
ROCKMASTER / 13 - DIN - EN 856 / R 13	ROCKMASTER / 13 - DIN - EN 856 / R 13	17.17
ROCKMASTER / 15 - SAE 100 / R 15	ROCKMASTER / 15 - SAE 100 / R 15	17.18
THERMOPLASTIK-SCHLAUCH - EN 855 R 7	THERMOPLASTIC TUBE	17.19
PTFE-SCHLAUCH	PTFE-HOSE	17.20



Innendurchmesser
Inside Diameter (I.D.)



Außendurchmesser
Outside Diameter (O.D.)



Außendurchmesser Druckträger
Reinforcement Outside Diameter

Berstdruck: Ist der garantierte Mindestberstdruck; erreicht oder übertrifft die jeweiligen Spezifikationsmindest-Anforderungen.



Burst pressure: It is the minimum guaranteed burst pressure of the hose; equivalent or superior to the reference specifications minimum requirements.



Gewicht
Weight



max. Betriebsdruck
Maximum working pressure



Mindest-Biegeradius
Minimum bend radius



Fassung
Ferrule/Socket

Betriebstemperatur: Beschreibt die Dauerbetriebstemperatur

Continuous service: Refers to the working temperature range

Maximale Betriebstemperatur: Maximale Spitzentemperatur nur für kurze Zeit. (weniger als 5% der vorgesehenen Einsatzdauer)

Max. operating temperature (intermittent service): Peaks of temperature of short duration and total cumulative duration lower than 5% of the total service life.

Empfohlene Medien: Medien mit besonders hoher chemischer Verträglichkeit.

Recommended fluids: Fluid types that the hose can convey with excellent / good chemical compatibility.

LÄNGENBESTIMMUNG VON SCHLAUCHLEITUNGEN

CALCULATING THE LENGTH OF HOSE ASSEMBLIES

Längentoleranzen bei montierten Schlauchleitungen
(lt. DIN 20066)

Length tolerance of installed hose assemblies
(according to DIN 20066)

Länge Length mm	Toleranzen / Tolerances		
	bis DN 25 up to ø 25	ab DN 32 bis DN 50 from ø 32 to ø 50	ab DN 60 bis DN 100 from ø 60 to ø 100
bis/up to 630	+ 7 mm - 3 mm	+ 12 mm - 4 mm	
630 - 1250	+ 12 mm - 4 mm	+ 20 mm - 6 mm	+ 25 mm - 6 mm
1250 - 2500	+ 20 mm - 6 mm	+ 25 mm - 6 mm	
2500 - 8000		+ 1,5 % - 0,5 %	
über / over 8000		+ 3 % - 1 %	

Ermittlung der Schlauchlänge

Die Lebensdauer von Schlauchleitungen erhöht sich bei ordnungsgemäßer Bemessung und Montage.

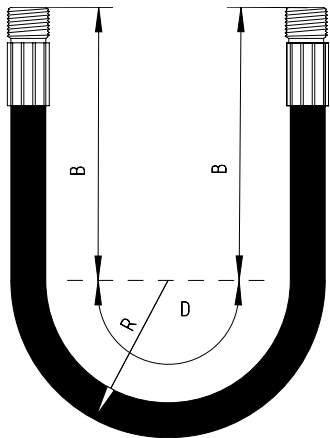
Daher bitte folgende Hinweise beachten.

Berechnung von fest installierten Leitungen

Calculation of fixed hose assemblies

$$\text{Gesamtlänge} \quad L = 2 B + \frac{3 \cdot 14 \cdot R}{D}$$

Overall length



R = Mindestbiegeradius
R = min. bend radius

Aus nachstehender Tabelle ist die mindest zu belassende Länge B hinter den Armaturenden einer Schlauchleitung zu entnehmen.

DN = ø	06	08	10	12	16	20	25	32	40
B = mm	90	100	110	120	130	140	160	180	200

Calculating the hose length

The service life of hose assemblies can be increased by proper measurement and installation.

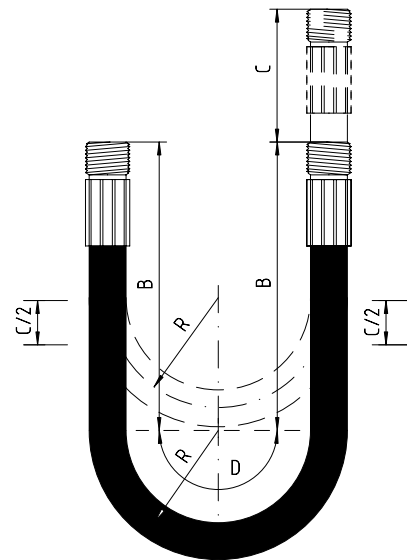
Please follow the following instructions.

Berechnung von flexibel installierten Leitungen

Calculation of flexible hose assemblies

$$\text{Gesamtlänge} \quad L = 2 B + \frac{3 \cdot 14 \cdot R}{D}$$

Overall length



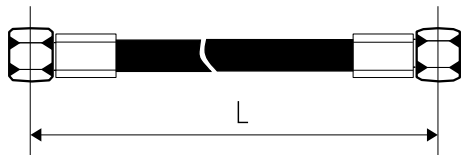
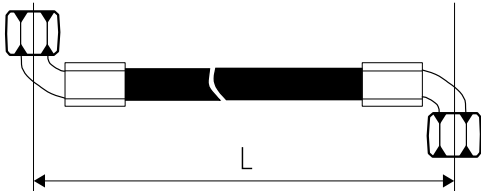
Bei Hubraumbewegung ist die Zusatzlänge C zu berücksichtigen.
Additional length C should be allowed for if vertical movement takes place.

The following table gives the minimum length B that should be left behind the ends of the fittings of a hose assembly.

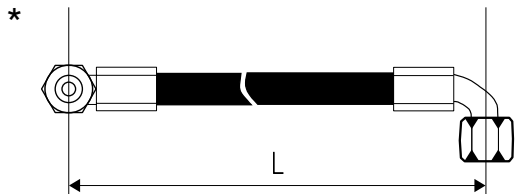
LÄNGENBESTIMMUNG VON SCHLAUCHLEITUNGEN

CALCULATING THE LENGTH OF HOSE ASSEMBLIES

Meßbeispiele für Schlauchleitungen



Blickrichtung →



*Bestellbeispiel:

DN 10 R 2 A x 800 DKL 90° / DKL 90° - 90° g. UZ.

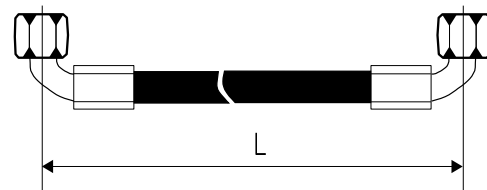
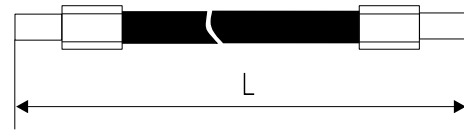
Die Winkeleinstellung bei Schlauchleitungen mit beidseitigen Krümmerarmaturen bitten wir wie folgt zu bestimmen:

Man blickt entlang der zu bezeichnenden Schlauchleitung, wobei die hintere, vom Körper entfernte Armatur nach oben zeigt.

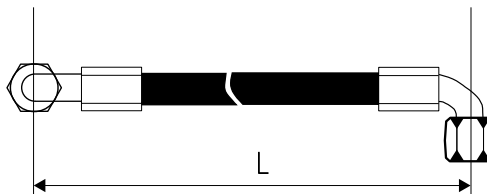
Dann gibt man an, um wie viel Grad die vordere Armatur im oder eventuell gegen den Uhrzeigersinn versetzt ist. (i. UZ oder g. UZ).

Toleranz +/- 3°

Typical measurements of hose assemblies



Direction of vision →



*Sample order:

DN 10 R 2 A x 800 DKL 90° / DKL 90° - 90° g. UZ.

The angle of hose assemblies with elbow fittings at either end can be determined as follows:

Look along the hose assembly for which a designation is required, with the rear fitting away from the body pointing upwards.

Now specify how many degrees the front fitting is rotated through in a clockwise (i. UZ) or anticlockwise (g. UZ) direction.

Tolerance +/- 3°

Seele: ölbeständiges synthetisches Gummi
 Druckträger: ein Textilgeflecht
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon- und Wetterfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: one textile braid
 Cover: synthetic rubber with high abrasion, ozone and weather resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 135°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 135°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen, Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol base oil, synthetic ester base oil, water / oil emulsions, water

DN mm	Größe Hose size		I.D. I.D. mm	A.D. O.D. mm	bar		min. Berstdruck min. burst pressure		min. Biegeradius min. bend radius mm	kg Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.			max. Betriebsdruck max. working pressure	PS.I.	bar	PS.I.			
06	-4	1/4"	6,4	13,0	75	1080	300	4350	40	130	Hose 2 TE-DN 06
08	-5	5/16"	7,9	14,6	68	980	272	3940	50	145	Hose 2 TE-DN 08
10	-6	3/8"	9,5	16,1	63	910	252	3650	60	180	Hose 2 TE-DN 10
12	-8	1/2"	12,7	19,2	58	840	232	3360	70	220	Hose 2 TE-DN 12
16	-10	5/8"	15,9	23,6	50	720	200	2900	90	290	Hose 2 TE-DN 16
19	-12	3/4"	19,0	26,5	45	650	180	2610	110	365	Hose 2 TE-DN 19
25	-16	1"	25,4	33,4	40	580	160	2320	130	525	Hose 2 TE-DN 25

Preßfassung: P1 - nicht schälen - Seite 2.7

Swage ferrule: P1 - non skive - page 2.7

Seele: ölbeständiges synthetisches Gummi
 Druckträger: zwei Textilgeflechte
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon- und Wetterfestigkeit
 DN 60 + DN 80 mit zusätzlicher Stahldrahtspirale

Tube: oil resistant synthetic rubber
 Reinforcement: two textile braids
 Cover: synthetic rubber with high abrasion, ozone and weather resistance
 DN 60 + DN 80 with steel helical body wire



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 135°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 135°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Polyglykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen, Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol base oil, synthetic ester base oil, water / oil emulsions, water

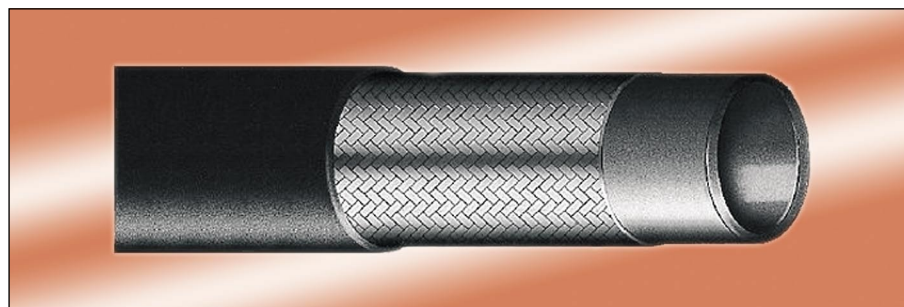
DN mm	Größe Hose size		I.D. I.D. mm	A.D. O.D. mm	bar		min. Berstdruck min. burst pressure		min. Biegeradius min. bend radius mm	kg Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.			max. Betriebsdruck max. working pressure bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6,4	14,2	145	2100	580	8410	45	150	Hose 3 TE-DN 06
08	-5	5/16"	7,9	16,6	130	1880	520	7540	55	210	Hose 3 TE-DN 08
10	-6	3/8"	9,5	18,2	110	1590	440	6380	70	230	Hose 3 TE-DN 10
12	-8	1/2"	12,7	21,5	93	1340	372	5390	85	290	Hose 3 TE-DN 12
16	-10	5/8"	15,9	25,6	80	1160	320	4640	105	385	Hose 3 TE-DN 16
19	-12	3/4"	19,0	28,8	70	1010	280	4060	130	450	Hose 3 TE-DN 19
25	-16	1"	25,4	35,4	55	790	220	3190	150	570	Hose 3 TE-DN 25
31	-20	1 1/4"	31,8	42,0	45	650	180	2610	190	570	Hose 3 TE-DN 31
38	-24	1 1/2"	38,1	49,0	40	580	160	2320	240	930	Hose 3 TE-DN 38
51	-32	2"	50,8	62,2	33	470	132	1910	300	1300	Hose 3 TE-DN 51
60	-38	2 3/8"	60,0	72,0	25	360	100	1450	400	1790	Hose 3 TB-DN 60
80		3"	80,0	94,0	18	260	72	1040	500	3050	Hose 3 TB-DN 80

Preßfassung: P2 - nicht schälen - Seite 2.9

Swage ferrule: P2 - non skive - page 2.9

Seele: ölbeständiges synthetisches Gummi
 Druckträger: ein hochzugfestes Stahldrahtgeflecht
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon-,
 Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: one high tensile steel braid
 Cover: synthetic rubber with high abrasion, ozone, weather
 and flame resistance










Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolbasis, Synthetik-Estherbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

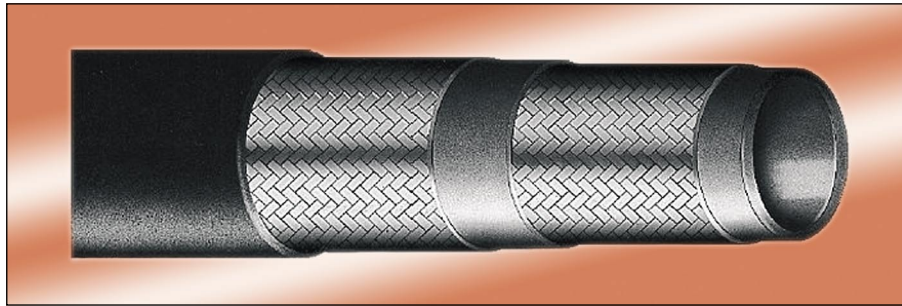
DN mm	Größe Hose size		 I.D. I.D. mm	 A.D. über Draht R.O.D. mm	 A.D. O.D. mm	 max. Betriebsdruck max. working pressure		 min. Berstdruck min. burst pressure		 min. Biegeradius min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				bar	PS.I.	bar	PS.I.			
06	-4	1/4"	6,4	11,1	15,9	225	3265	900	13050	100	310	Hose 1 ST-DN 06
08	-5	5/16"	7,9	12,7	17,5	215	3120	850	12320	115	340	Hose 1 ST-DN 08
10	-6	3/8"	9,5	15,1	19,9	180	2610	720	10440	130	430	Hose 1 ST-DN 10
12	-8	1/2"	12,7	18,3	23,0	160	2320	640	9280	180	530	Hose 1 ST-DN 12
16	-10	5/8"	15,9	21,5	26,2	130	1885	520	7540	200	625	Hose 1 ST-DN 16
19	-12	3/4"	19,0	25,2	30,0	105	1520	420	6090	240	780	Hose 1 ST-DN 19
25	-16	1"	25,4	33,1	37,8	88	1270	350	5070	300	1080	Hose 1 ST-DN 25
31	-20	1 1/4"	31,8	40,6	45,8	63	910	250	3620	419	1440	Hose 1 ST-DN 31
38	-24	1 1/2"	38,1	47,0	52,1	50	725	200	2900	500	1670	Hose 1 ST-DN 38
51	-32	2"	50,8	60,4	66,4	40	580	160	2320	630	2450	Hose 1 ST-DN 51

Preßfassung: P1 - schälen - Seite 2.7

Swage ferrule: P1 - skive - page 2.7

Seele: ölbeständiges synthetisches Gummi
 Druckträger: zwei hochzugfeste Stahldrahtgeflechte
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon-,
 Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: two high tensile steel braids
 Cover: synthetic rubber with high abrasion, ozone, weather
 and flame resistance










Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

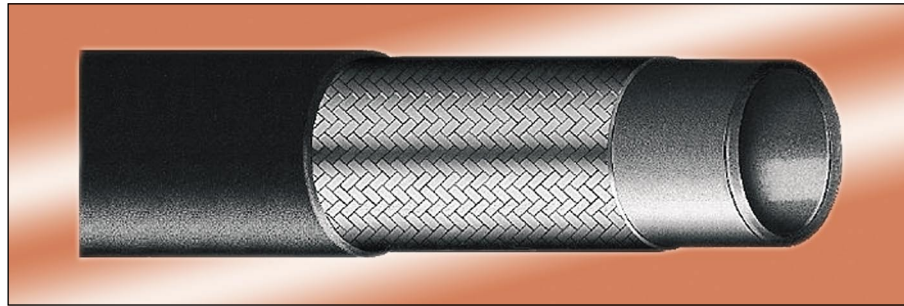
DN mm	Größe Hose size		 I.D. mm	 A.D. über Draht R.O.D. mm	 A.D. O.D. mm	 max. Betriebsdruck max. working pressure		 min. Berstdruck min. burst pressure		 min. Biegeradius min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				bar	PS.I.	bar	PS.I.			
06	-4	1/4"	6,4	12,7	17,2	400	5800	1750	25370	100	460	Hose 2 ST-DN 06
08	-5	5/16"	7,9	14,3	18,9	350	5070	1480	21460	114	510	Hose 2 ST-DN 08
10	-6	3/8"	9,5	16,7	21,3	350	5070	1400	20300	127	635	Hose 2 ST-DN 10
12	-8	1/2"	12,7	19,8	24,5	350	5070	1400	20300	178	770	Hose 2 ST-DN 12
16	-10	5/8"	15,9	23,0	27,7	250	3620	1020	14790	200	890	Hose 2 ST-DN 16
19	-12	3/4"	19,0	27,0	31,6	215	3120	900	13050	240	1090	Hose 2 ST-DN 19
25	-16	1"	25,4	34,8	39,5	175	2530	670	9710	300	1530	Hose 2 ST-DN 25
31	-20	1 1/4"	31,8	44,3	50,6	140	2030	600	8700	419	2335	Hose 2 ST-DN 31
38	-24	1 1/2"	38,1	50,7	57,0	100	1450	500	7250	500	2680	Hose 2 ST-DN 38
51	-32	2"	50,8	63,5	69,8	90	1360	420	6090	630	3625	Hose 2 ST-DN 51

Preßfassung: P3 - schälen - Seite 2.8

Swage ferrule: P3 - skive - page 2.8

Seele: ölbeständiges synthetisches Gummi
 Druckträger: ein hochzugfestes Stahldrahtgeflecht
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon- und Abriebfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: one high tensile steel braid
 Cover: synthetic rubber with high temperature, ozone and
 abrasion resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolkolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

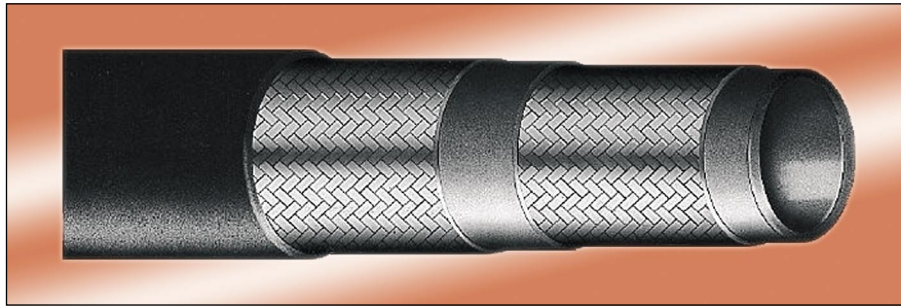
DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	bar		min. Berstdruck		min. Biegeradius min. bend radius mm	kg Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				max. Betriebsdruck max. working pressure		min. burst pressure				
						bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6,4	11,0	13,0	225	3260	900	13050	100	240	Hose 1 SN-DN 06
08	-5	5/16"	7,9	12,6	14,6	215	3110	850	12320	114	280	Hose 1 SN-DN 08
10	-6	3/8"	9,5	15,0	17,0	180	2610	720	10440	127	360	Hose 1 SN-DN 10
12	-8	1/2"	12,7	18,1	20,1	160	2320	640	9280	178	450	Hose 1 SN-DN 12
16	-10	5/8"	15,9	21,3	23,3	130	1880	520	7540	200	510	Hose 1 SN-DN 16
19	-12	3/4"	19,0	25,2	27,4	105	1520	420	6090	240	650	Hose 1 SN-DN 19
25	-16	1"	25,4	33,1	35,3	88	1270	350	5070	300	960	Hose 1 SN-DN 25
31	-20	1 1/4"	31,8	40,6	43,3	63	910	250	3620	419	1250	Hose 1 SN-DN 31
38	-24	1 1/2"	38,1	47,0	49,7	50	720	200	2900	500	1600	Hose 1 SN-DN 38
51	-32	2"	50,8	60,4	63,1	40	580	160	2320	630	2200	Hose 1 SN-DN 51

Preßfassung: P1 - schälen und nicht schälen - Seite 2.7

Swage ferrule: P1 - skive and non skive - page 2.7

Seele: ölbeständiges synthetisches Gummi
 Druckträger: zwei hochzugfeste Stahldrahtgeflechte
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon- und Abriebfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: two high tensile steel braids
 Cover: synthetic rubber with high temperature, ozone and
 abrasion resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

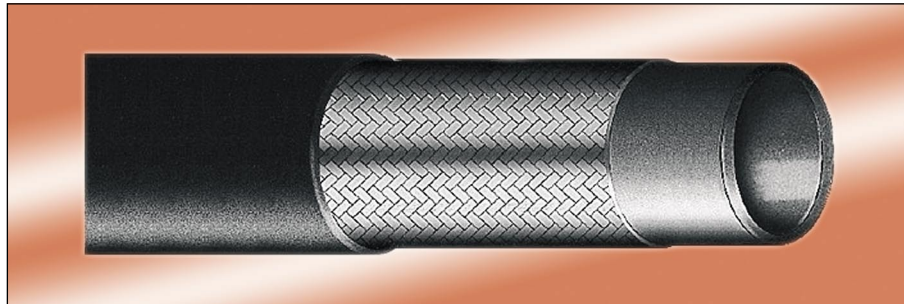
DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	bar		min. Berstdruck min. burst pressure		min. Biegeradius min. bend radius mm	kg Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				max. Betriebsdruck max. working pressure	PS.I.	bar	PS.I.			
06	-4	1/4"	6,4	12,7	14,7	400	5800	1600	23200	100	360	Hose 2 SN-DN 06
08	-5	5/16"	7,9	14,3	16,3	350	5070	1400	20300	114	400	Hose 2 SN-DN 08
10	-6	3/8"	9,5	16,7	18,7	330	4780	1320	19140	127	510	Hose 2 SN-DN 10
12	-8	1/2"	12,7	19,8	21,8	275	3980	1100	15950	178	620	Hose 2 SN-DN 12
16	-10	5/8"	15,9	23,0	25,0	250	3620	1000	14500	200	715	Hose 2 SN-DN 16
19	-12	3/4"	19,0	27,0	29,2	215	3110	850	12320	240	920	Hose 2 SN-DN 19
25	-16	1"	25,4	34,8	37,0	165	2390	650	9420	300	1305	Hose 2 SN-DN 25
31	-20	1 1/4"	31,8	44,3	47,0	125	1810	500	7250	419	1965	Hose 2 SN-DN 31
38	-24	1 1/2"	38,1	50,7	53,4	90	1300	360	5220	500	2265	Hose 2 SN-DN 38
51	-32	2"	50,8	63,5	66,2	80	1160	320	4640	630	3115	Hose 2 SN-DN 51
60	-38	2 3/8"	60,0	68,8	71,5	90	1300	360	5220	650	2660	Hose 2 SN-DN 60
76	-48	3"	76,2	87,8	90,5	45	650	180	2610	900	3180	Hose 2 SN-DN 76

Preßfassung: P3 - schälen - DN 06 bis DN 51 - Seite 2.8
P2 - nicht schälen - DN 06 bis DN 25 - Seite 2.9
P8 - nicht schälen - DN 31 bis DN 76 - Seite 2.9

Swage ferrule: P3 - skive - DN 06 up to DN 51 - page 2.8
P2 - non skive - DN 06 up to DN 25 - page 2.9
P8 - non skive - DN 31 up to DN 76 - page 2.9

Hohe Flexibilität, kleiner Biegeradius, geringes Gewicht
 Seele: ölbeständiges synthetisches Gummi
 Druckträger: zwei hochzugfeste Stahldrahtgeflechte
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon-,
 Wetter- und Flammfestigkeit

High flexibility, excellent bend radius, low weight
 Tube: oil resistant synthetic rubber
 Reinforcement: two high tensile steel braids
 Cover: synthetic rubber with high abrasion, ozone, weather
 and flame resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

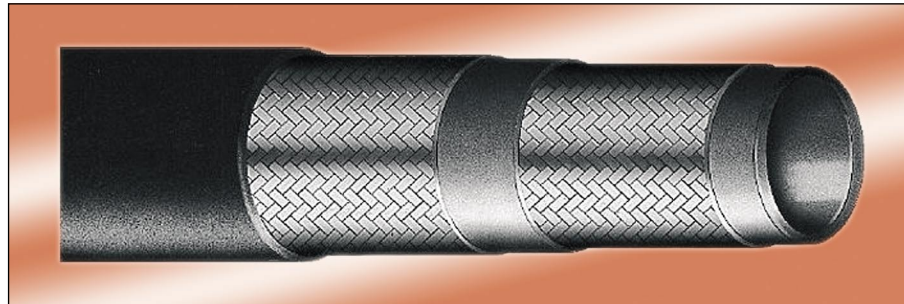
DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	bar		min. Berstdruck		min. Biegeradius min. bend radius mm	kg	Bestellzeichen Order-Code
	dash	in.				max. Betriebsdruck max. working pressure	PS.I.	min. burst pressure	PS.I.			
06	-4	1/4"	6,4	10,2	12,0	225	3260	1050	15220	50	180	Hose 1 SC-DN 06
08	-5	5/16"	7,9	11,5	13,6	215	3110	1000	14500	55	210	Hose 1 SC-DN 08
10	-6	3/8"	9,5	13,6	15,5	180	2610	850	12320	60	260	Hose 1 SC-DN 10
12	-8	1/2"	12,7	17,1	18,9	160	2320	660	9570	70	335	Hose 1 SC-DN 12
16	-10	5/8"	15,9	20,6	22,4	130	1880	620	8990	90	440	Hose 1 SC-DN 16
19	-12	3/4"	19,0	23,9	25,9	105	1520	480	6960	100	535	Hose 1 SC-DN 19
25	-16	1"	25,4	31,3	33,3	88	1270	380	5510	160	765	Hose 1 SC-DN 25

Preßfassung: P9 - nicht schälen - DN 06 bis DN 12 - Seite 2.7
 P1 - nicht schälen - DN 16 - 19 - 25 - Seite 2.7

Swage ferrule: P9 - non skive - DN 06 up to DN 12 - page 2.7
 P1 - non skive - DN 16 - 19 - 25 - page 2.7

Hohe Flexibilität, kleiner Biegeradius, geringes Gewicht
 Seele: ölbeständiges synthetisches Gummi
 Druckträger: zwei hochzugfeste Stahldrahtgeflechte
 Decke: synthetisches Gummi mit hoher Abrieb-, Ozon-,
 Wetter- und Flammfestigkeit

High flexibility, excellent bend radius, low weight
 Tube: oil resistant synthetic rubber
 Reinforcement: two high tensile steel braids
 Cover: synthetic rubber with high abrasion, ozone, weather
 and flame resistance










Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Rapsöl, Öl auf Poly-
 glykolbasis, Synthetik-Esterbasis, Wasser- / Ölemulsionen,
 Wasser

Recommended fluids: mineral oil, rape seed oil, polyglycol
 base oil, synthetic ester base oil, water / oil emulsions,
 water

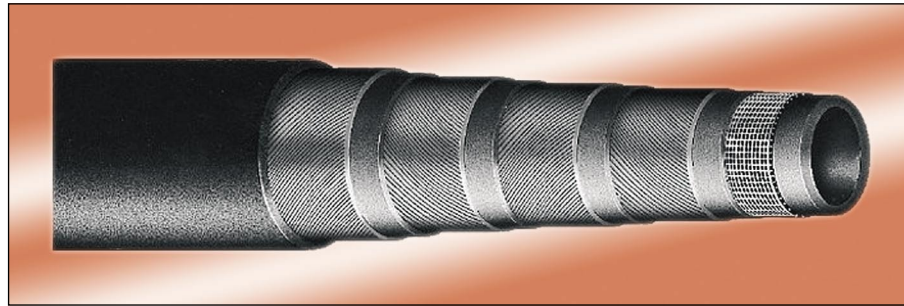
DN mm	Größe Hose size		 I.D. I.D. mm	 A.D. über Draht R.O.D. mm	 A.D. O.D. mm	 max. Betriebsdruck max. working pressure		 min. Berstdruck min. burst pressure		 min. Biegeradius min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				bar	PS.I.	bar	PS.I.			
06	-4	1/4"	6,4	11,3	13,1	400	5800	1850	26820	45	270	Hose 2 SC-DN 06
08	-5	5/16"	7,9	12,9	14,7	350	5070	1700	24650	55	325	Hose 2 SC-DN 08
10	-6	3/8"	9,5	15,0	16,8	330	4780	1500	21750	65	395	Hose 2 SC-DN 10
12	-8	1/2"	12,7	18,5	20,3	275	3980	1220	17690	80	495	Hose 2 SC-DN 12
16	-10	5/8"	15,9	21,8	23,6	250	3620	1050	15220	90	595	Hose 2 SC-DN 16
19	-12	3/4"	19,0	25,6	27,6	215	3110	920	13340	120	800	Hose 2 SC-DN 19
25	-16	1"	25,4	33,0	35,2	165	2390	720	10440	160	1135	Hose 2 SC-DN 25

Preßfassung: P1 - schälen und nicht schälen - Seite 2.7

Swage ferrule: P1 - skive and non skive - page 2.7

Seele: ölbeständiges synthetisches Gummi
 Druckträger: vier hochzugfeste Stahlspiralen
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: four high tensile steel spirals
 Cover: synthetic rubber with high temperature, ozone,
 abrasion, weather and flame resistance







Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol,
 Mineralöl- / Wasseremulsionen

Recommended fluids: mineral oil, water, glycols, mineral oil
 / water emulsions

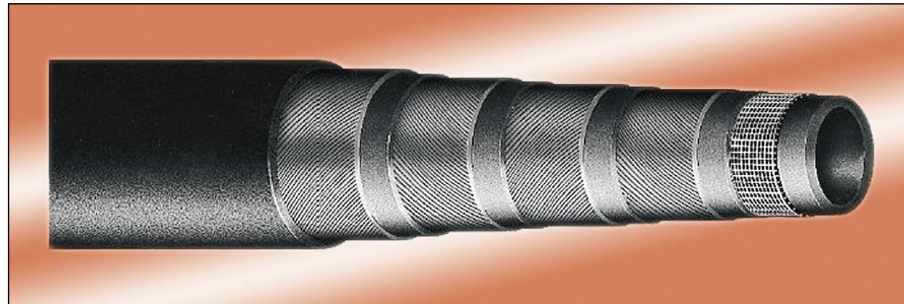
DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	 max. Betriebsdruck max. working pressure		 min. Berstdruck min. burst pressure		 min. Biegeradius min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				bar	P.S.I.	bar	P.S.I.			
06	-4	1/4"	6,4	14,7	17,8	500	7250	2400	34800	150	615	Hose 4 SP-DN 06
10	-6	3/8"	9,5	17,6	21,3	460	6670	2100	30450	180	780	Hose 4 SP-DN 10
12	-8	1/2"	12,7	20,3	24,4	425	6160	1900	27550	230	930	Hose 4 SP-DN 12
16	-10	5/8"	15,9	23,7	28,1	400	5800	1600	23200	250	1140	Hose 4 SP-DN 16
19	-12	3/4"	19,0	28,2	32,0	380	5510	1600	23200	300	1520	Hose 4 SP-DN 19
25	-16	1"	25,4	35,0	39,0	320	4640	1400	20300	340	1960	Hose 4 SP-DN 25
31	-20	1 1/4"	31,8	46,1	49,9	210	3040	1250	18120	460	3060	Hose 4 SP-DN 31
38	-24	1 1/2"	38,1	52,4	57,0	185	2680	1000	14500	560	3680	Hose 4 SP-DN 38
51	-32	2"	50,8	65,2	70,6	175	2530	1000	14500	660	5325	Hose 4 SP-DN 51

Preßfassung: P3 - schälen - Seite 2.8

Swage ferrule: P3 - skive - page 2.8

Seele: ölbeständiges synthetisches Gummi
 Druckträger: vier hochzugfeste Stahlspiralen
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: four high tensile steel spirals
 Cover: synthetic rubber with high temperature, ozone,
 abrasion, weather and flame resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +100°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol,
 Mineralöl- / Wasseremulsionen

Recommended fluids: mineral oil, water, glycols, mineral oil
 / water emulsions

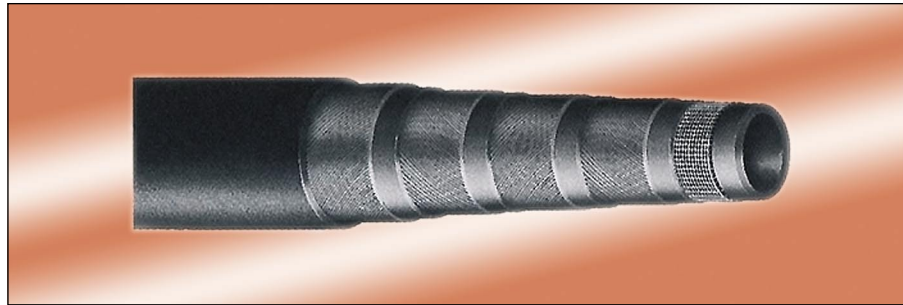
DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	bar		min. Berstdruck		min. Biegeradius min. bend radius mm	kg	Bestellzeichen Order-Code
	dash	in.				max. Betriebsdruck max. working pressure		min. burst pressure				
						bar	PS.I.	bar	PS.I.			
19	-12	3/4"	19,0	28,2	32,0	420	6090	1750	25370	280	1550	Hose 4 SH-DN 19
25	-16	1"	25,4	35,1	38,1	385	5580	1750	25370	340	2090	Hose 4 SH-DN 25
31	-20	1 1/4"	31,8	42,2	45,2	350	5070	1400	20300	460	2490	Hose 4 SH-DN 31
38	-24	1 1/2"	38,1	48,7	53,5	300	4350	1250	18120	560	3380	Hose 4 SH-DN 38
51	-32	2"	50,8	63,2	68,0	250	3620	1000	14500	700	4645	Hose 4 SH-DN 51

Preßfassung: Interlock P4-I - innen und außen schälen
 - Seite 3.3

Swage ferrule: Interlock P4-I - internal and external skive
 - page 3.3

Seele: ölbeständiges synthetisches Gummi
 Druckträger: vier hochzugfeste Stahlspiralen (DN <31)
 - sechs hochzugfeste Stahlspiralen (DN 31 - 38 - 51)
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: four high tensile steel spirals (DN <31)
 - six high tensile steel spirals (DN 31 - 38 - 51)
 Cover: synthetic rubber with high temperature, ozone,
 abrasion, weather and flame resistance










Dauerbetrieb: -40°C bis +121°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +121°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol,
 Mineralöl- / Wasseremulsionen

Recommended fluids: mineral oil, water, glycols, mineral oil
 / water emulsions

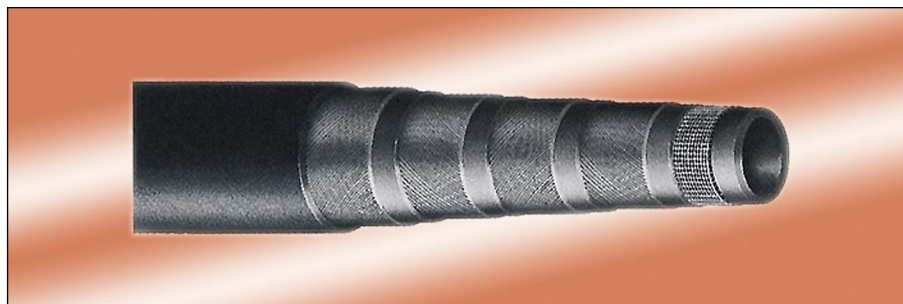
DN mm	Größe Hose size		 I.D. I.D. mm	 A.D. über Draht R.O.D. mm	 A.D. O.D. mm	 max. Betriebsdruck max. working pressure		 min. Berstdruck min. burst pressure		 min. Biegeradius min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
	dash	in.				bar	PS.I.	bar	PS.I.			
19	-12	3/4"	19,0	29,0	32,0	350	5070	1950	28270	240	1635	Hose R 13-DN 19
25	-16	1"	25,4	36,0	39,2	350	5070	1650	23920	300	2205	Hose R 13-DN 25
31	-20	1 1/4"	31,8	47,0	50,0	350	5070	1600	23200	419	3610	Hose R 13-DN 31
38	-24	1 1/2"	38,1	54,0	57,2	350	5070	1600	23200	500	4860	Hose R 13-DN 38
51	-32	2"	50,8	68,2	71,8	350	5070	1500	21750	630	6815	Hose R 13-DN 51

Preßfassung: Interlock P6-I - innen und außen schälen
 - Seite 3.3

Swage ferrule: Interlock P6-I - internal and external skive
 - page 3.3

Seele: ölbeständiges synthetisches Gummi
 Druckträger: vier hochzugfeste Stahlspiralen (DN <31)
 - sechs hochzugfeste Stahlspiralen (DN 31 - 38)
 Decke: synthetisches Gummi mit hoher Temperatur-,
 Ozon-, Abrieb-, Wetter- und Flammfestigkeit

Tube: oil resistant synthetic rubber
 Reinforcement: four high tensile steel spirals (DN <31)
 - six high tensile steel spirals (DN 31 - 38)
 Cover: synthetic rubber with high temperature, ozone,
 abrasion, weather and flame resistance



Dauerbetrieb: -40°C bis +121°C
 Max. Betriebstemperatur: 125°C

Continuous service: -40°C to +121°C
 Max. operating temperature: 125°C

Empfohlene Flüssigkeiten: Mineralöl, Wasser, Glykol,
 Mineralöl- / Wasseremulsionen

Recommended fluids: mineral oil, water, glycols, mineral oil
 / water emulsions

DN mm	Größe Hose size		I.D. I.D. mm	A.D. über Draht R.O.D. mm	A.D. O.D. mm	bar		min. Berstdruck		min. Biegeradius min. bend radius mm	kg	Bestellzeichen Order-Code
	dash	in.				max. Betriebsdruck max. working pressure		min. burst pressure				
						bar	P.S.I.	bar	P.S.I.			
19	-12	3/4"	19,0	28,2	32,0	420	6090	1750	25370	267	1505	Hose R 15-DN 19
25	-16	1"	25,4	35,1	38,1	420	6090	1750	25370	267	2045	Hose R 15-DN 25
31	-20	1 1/4"	31,8	46,3	49,5	420	6090	1680	24360	267	3685	Hose R 15-DN 31
38	-24	1 1/2"	38,1	54,0	57,2	420	6090	1680	24360	315	4860	Hose R 15-DN 38

Preßfassung: Interlock P7-I - innen und außen schälen
 - Seite 3.4

Swage ferrule: Interlock P7-I - internal and external skive
 - page 3.4







Seele: ölbeständiges Thermoplastik Elastomer
 Druckträger: zwei Polyestergeflechte
 Decke: Thermoplastik Elastomer mit hoher Ozon- und
 Abriebbeständigkeit

Tube: oil resistant thermoplastic Elastomer
 Reinforcement: two polyester braids
 Cover: Thermoplastic Elastomer with high ozone and
 abrasion resistance



Dauerbetrieb: -40°C bis +100°C
 Max. Betriebstemperatur: +100°C für Öl, + 65°C für Luft,
 Wasser und Flüssigkeiten auf Wasserbasis

Continuous service: -40°C to +100°C
 Max. operating temperature: +100°C for oil, +65°C for air,
 water and water based fluids

DN mm	Größe Hose size in.	 I.D. mm	 A.D. O.D. mm +/- 0,5					 min. Biegegrad min. bend radius mm	 Gewicht Weight g/m	Bestellzeichen Order-Code
				max. Betriebsdruck max. working pressure	PS.I.	min. Berstdruck min. burst pressure	PS.I.			
06	1/4"	6,4	12,0	190	2750	760	11020	50	95	Hose R 7-DN 06
08	5/16"	7,9	14,3	187	2710	750	10870	55	135	Hose R 7-DN 08
10	3/8"	9,5	16,3	175	2530	700	10150	75	165	Hose R 7-DN 10
12	1/2"	12,7	20,3	140	2030	560	8120	95	225	Hose R 7-DN 12
16	5/8"	16,0	23,5	100	1450	400	5800	203	230	Hose R 7-DN 16
19	3/4"	19,0	27,5	85	1230	340	4930	254	260	Hose R 7-DN 19
25	1"	25,0	33,3	70	1010	280	4060	305	360	Hose R 7-DN 25

Preßfassung: PF-R7 - Seite 2.6

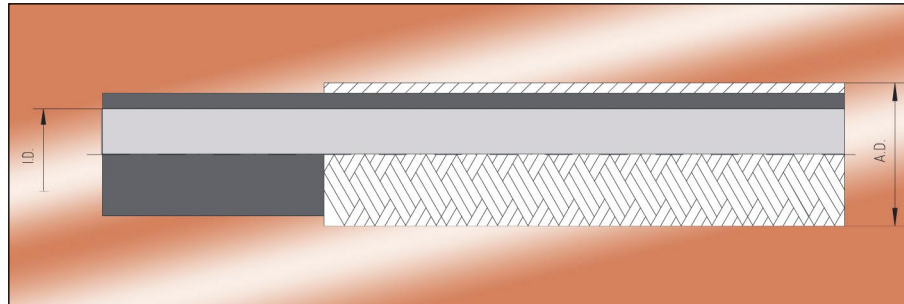
Swage ferrule: PF-R7 - page 2.6

PTFE-SCHLAUCH

PTFE-HOSE

mit glatter, dicker PTFE-Seele
 Druckträger: eine Klöppellage aus rostfreiem Stahl - 1.4301

with flat, thick PTFE-tube (heavy wall)
 Reinforcement: one braid of stainless wire - AISI 304



Max. Betriebstemperatur: -60°C bis +260°C

Max. operating temperature: -60° to +260°C

DN mm	Größe Hose size in.	I.D. I.D. mm +/- 0,5	A.D. O.D. mm +/- 0,5	bar		min. Biegeradius min. bend radius mm	kg Gewicht Weight g/m	Bestellzeichen Order-Code
				max. Betriebsdruck max. working pressure	P.S.I.			
06	1/4"	6,7	10,0	240	3480	100	126	Hose PT1W-DN 06
08	5/16"	8,2	11,7	200	2900	120	172	Hose PT1W-DN 08
10	3/8"	10,3	13,8	175	2530	140	223	Hose PT1W-DN 10
12	1/2"	13,0	17,0	150	2170	160	293	Hose PT1W-DN 12
16	5/8"	16,0	20,2	135	1950	190	360	Hose PT1W-DN 16
19	3/4"	19,0	23,2	110	1590	230	423	Hose PT1W-DN 20
25	1"	25,4	30,3	80	1160	300	640	Hose PT1W-DN 25

Die angegebenen Betriebsdrücke gelten für Arbeitstemperaturen von +20°C bis +50°C.

The working pressure apply to working temperatures from +20°C to +50°C.

Preßfassung: PF-PTFE - Seite 2.6

Swage ferrule: PF-PTFE - page 2.6

Zu Ihrer Sicherheit werden in unserem Haus
laufend Druckprüfungen vorgenommen.



For your safety we do long term pressure
testings in our factory.



Pegasus
hydraulics