

## SNIJRINGKOPPELINGEN RVS

LEIDINGCOMPONENTEN

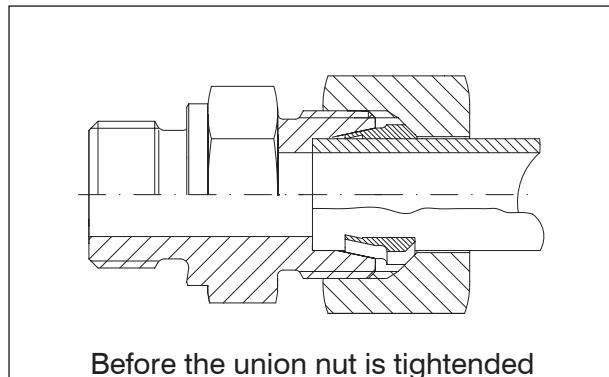
## 1. General Information

### Description of function of screwed pipe connections

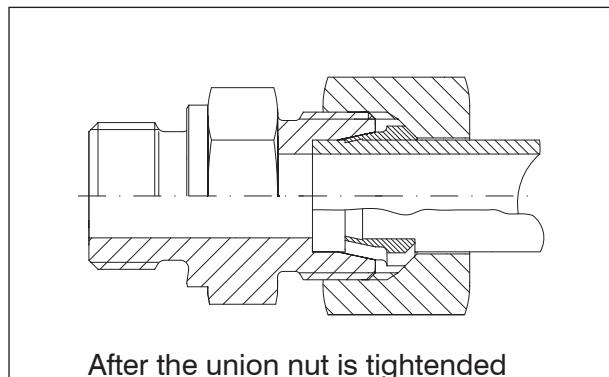
This screwed pipe connections are based on screwed connections according to DIN 2353 / DIN EN ISO 8434-1 with bore hole shape W DIN 3861 (24°-cone) and the corresponding connection pieces, these elements are used as standard components. The screwed connection types described in the following all represent 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.



Before the union nut is tightened



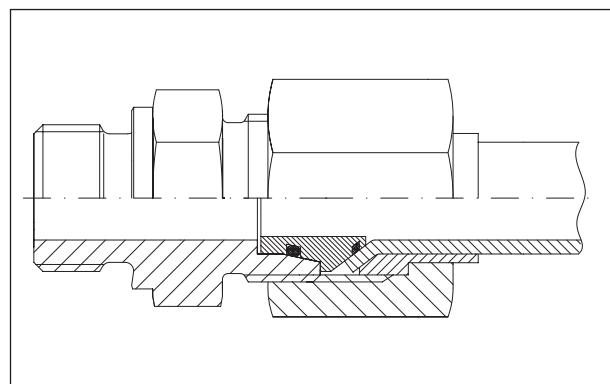
After the union nut is tightened

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 rohranschlussseitig möglich.

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.

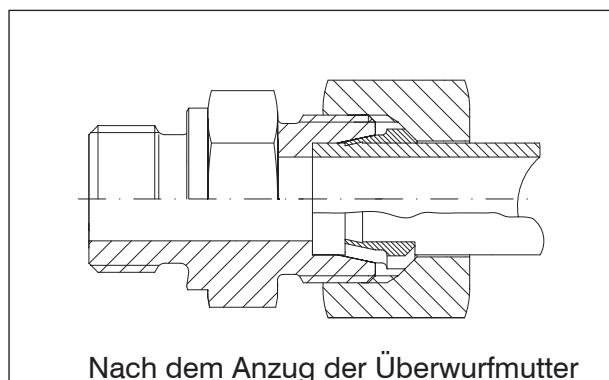
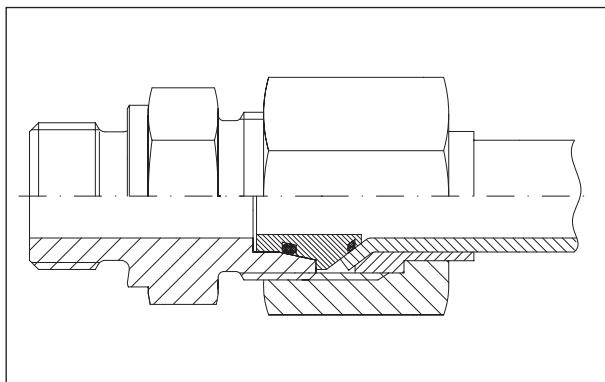
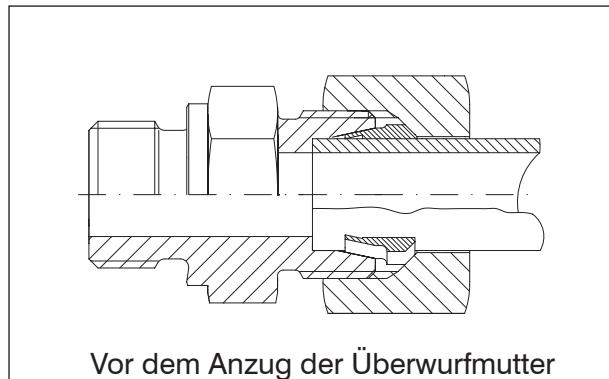
Aufgrund der hohen Oberflächengüte sind relativ günstige Anziehdrehmomente erreichbar. Die Gefahr einer „Übermontage“ ist durch den spürbar starken Anstieg des Momentes (nach funktionsgerechtem Eingriff der Schneidkanten) deutlich erkennbar. Eine leichte „Übermontage“ beeinträchtigt die Gesamtfunktion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

## 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.

### 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.

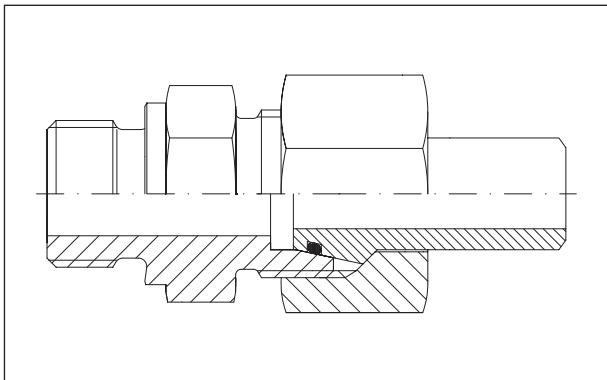


Durch die metallisch / elastomere Abdichtung ist eine denkbar sichere Funktion gewährleistet. Die komplette Verschraubung hält hohen Belastungen stand und sichert Biegewechselmomente und Schwingungen ab. Auch höhere Temperaturschwankungen beeinträchtigen die Funktion nicht.

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.



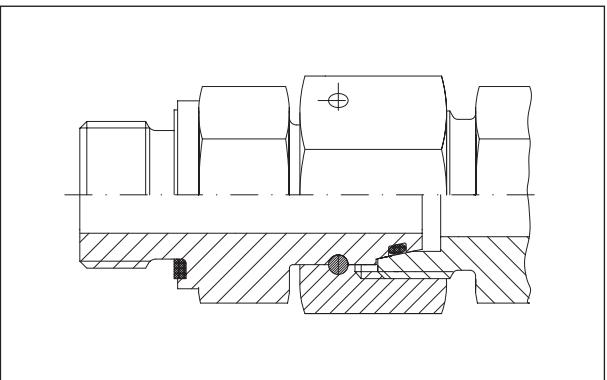
A reliable, tight connection between welding cone and connection piece is provided by the metallic seals and additional O-rings. Such connections withstand extreme loads, including pressure impacts, vibrations and fluctuations in temperature.

### 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 con (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:

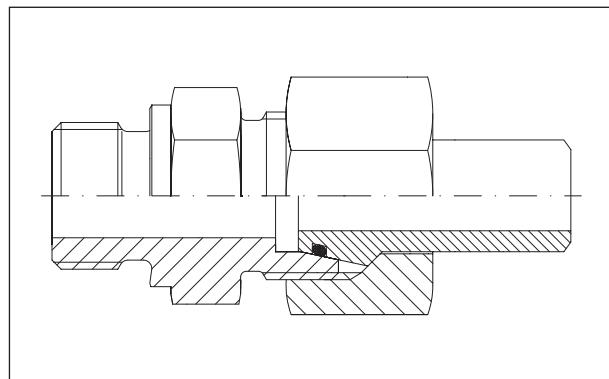
SAE J 514 / ISO 8434-2 on request with additional O-ring on the 37° taper of the tapered ring.

### 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.



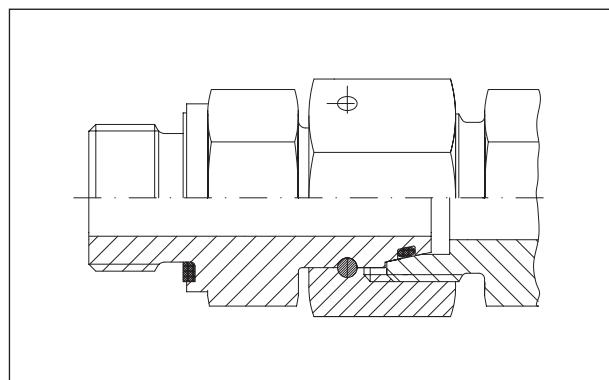
Eine sichere und dichte Verbindung zwischen Schweißkegel und Stutzen ist durch die metallische Abdichtung und zusätzlich eingesetzten O-Ring gegeben. Sie hält auch extremen Belastungen, insbesondere Druckstöße, Schwingungen und Temperaturschwankungen stand.

### Achtung!

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

## 5. Dichtkegelverschraubungen

Aufgrund des verwendeten Anschlusskegels ( $24^\circ$ ) 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  $-20^\circ\text{C}$  bis  $+200^\circ\text{C}$ )
- 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  $37^\circ$ -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.

Fitting material	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.

<b>Überwurfmutter für Schweißkegelverschraubungen:</b>	<b>Bei Dichtungswerkstoffen</b>
DIN EN ISO 8434-1	NBR (z.B. Perbunan®) -35°C bis +100°C
<b>Rohrabschlusseiten:</b>	FPM (z.B. Viton®) -20°C bis +200°C
DIN 3861 und ISO 8434-1	PTFE (z.B. Teflon®) -60°C bis +200°C
<b>Metrische- und Rohr-Gewinde:</b>	POM (z.B. Delrin®) -40°C bis + 80°C (Nur bei Kugelhähnen)
DIN 3852, Teil 1 und 2	Perbunan = eingetragenes Warenzeichen der Fa. Bayer.
<b>NPT-Gewinde:</b>	Viton®, Teflon® und Delrin® = eingetragene Warenzeichen der Fa. Du Pont.
ANSI/ASME B 1.20.1-1983	
<b>UNF-/UN-Gewinde:</b>	Die angegebenen Temperaturgrenzen für Dichtungswerkstoffe sind Richtwerte, da die Temperaturgrenzen vom Medium stark beeinflusst werden können.
SAE J 514	
<b>Werkstoff der Bauteile gemäß DIN 3859-1:</b>	
X6XcrNiMoTi gem. DIN 17440 Werkstoff-Nr. 1.4571 + X2CrNiMo - 1.4404	
<b>Dichtungsringe:</b>	
FPM (z.B. Viton®), PTFE (z.B. Teflon®), NBR (Perbunan®) - andere auf Anfrage	
<b>8. Druck- und Temperatur-Belastbarkeit</b>	
<b>Druckbelastbarkeit</b>	
Definition der im Katalog angegebenen Drücke:	
<b>a) Nenndruck PN</b>	
Der Nenndruck ist eine gebräuchliche, gerundete, auf den Druck bezogene Kennzahl.	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.
<b>b) Betriebsdruck PB</b>	
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.	
<b>Zulässige Betriebstemperaturen TB</b>	
Nichtrostender Stahl: -60°C bis +400°C	
1.4571 (DIN 17 440, AD W 10)	
Die Angaben im Absatz „Druckabschläge“ sind hierbei zu beachten.	

Verschraubungswerkstoff	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.

Operational safety at static load:

Types with PN

Specification: 4x

Types with PB

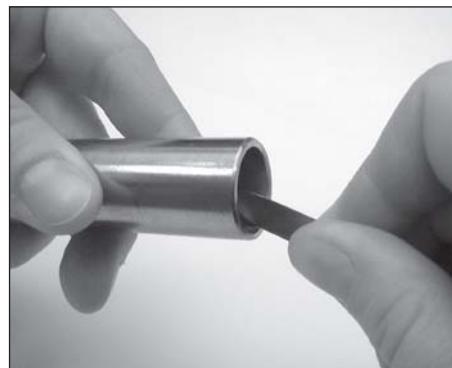
Specification: complete fitting min. 2,5 x  
tube connection 4 x

(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.

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.



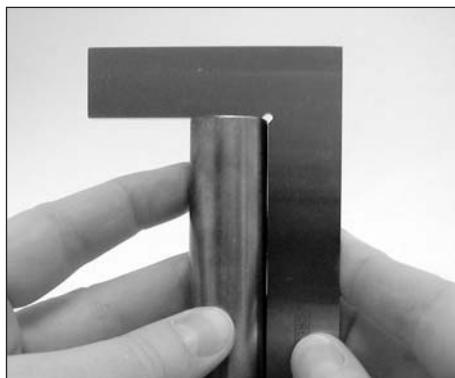
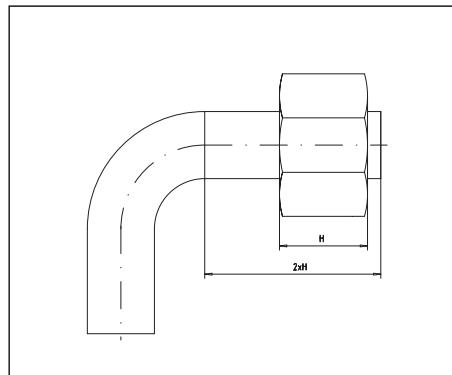
## 9. Assembly instructions according to DIN 3859-2

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.

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.

### 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!



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).

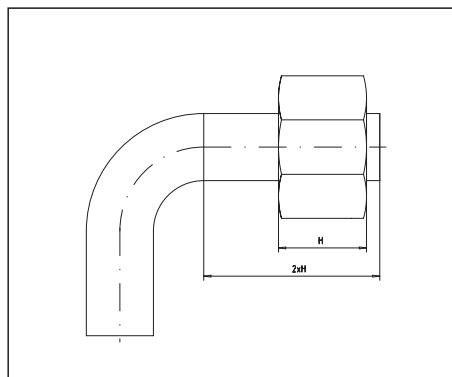
Die Druck- und Sicherheitsangaben setzen voraus, dass die Montagen gemäß den Montagevorschriften durchgeführt wurden.

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.

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.

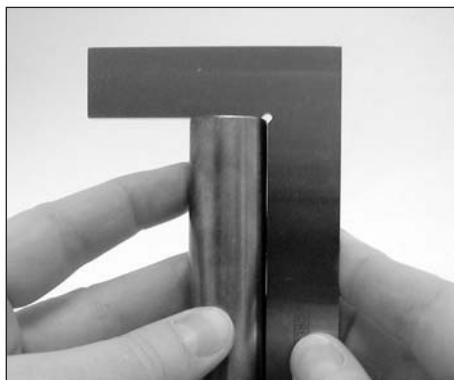


## 9. Montageanleitung gemäß DIN 3859-2

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.

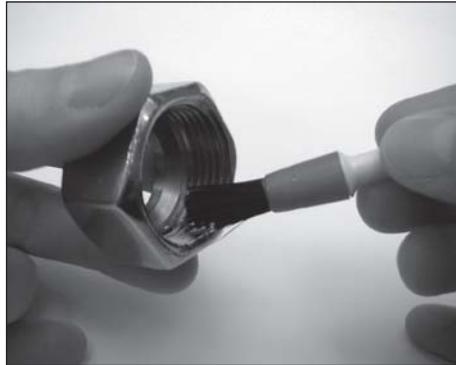
### 9.1 Rohrvorbereitung

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



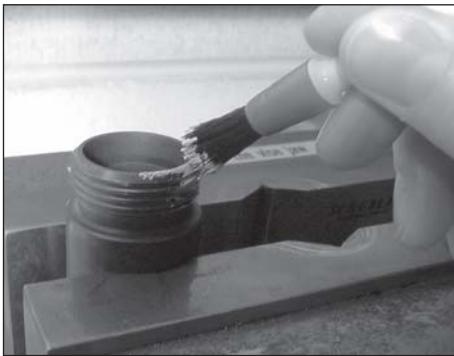
## **9.2 Assembly of cutting ring screw connection**

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.

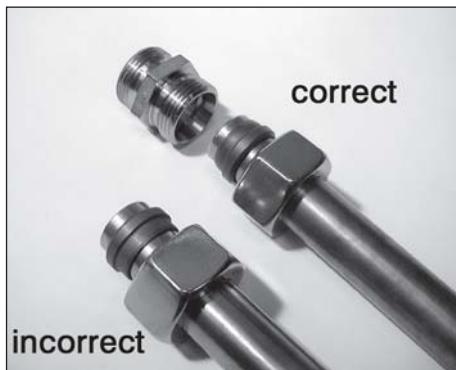


## **9.3 Assembly with hardened pre-assembly connection pieces**

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



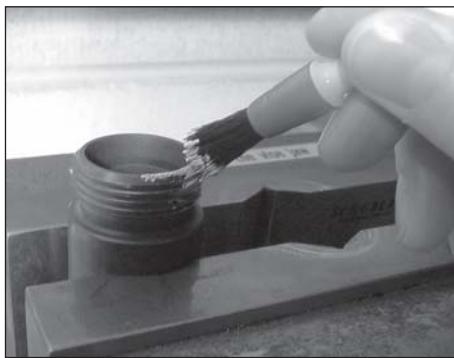
## 9.2 Montage Schneidringverschraubung

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



## 9.3 Montage mit gehärteten Vormontagestutzen

1. Gewinde der Überwurfmutter, Gewinde und Konus des Vormontagestutzen 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

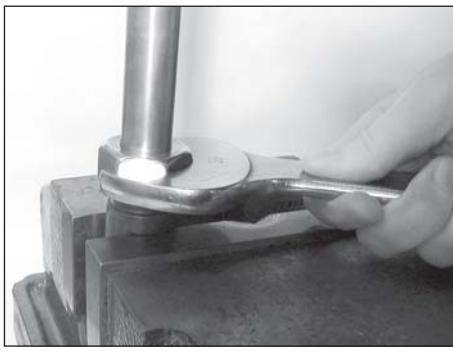
Insert the pre-assembled pipe into the screwed connection piece. Tighten union nut approx.  $\frac{1}{2}$  revolution beyond the point at which the tightening moment increases noticeably, holding the screwed connection piece with a wrench.



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 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.

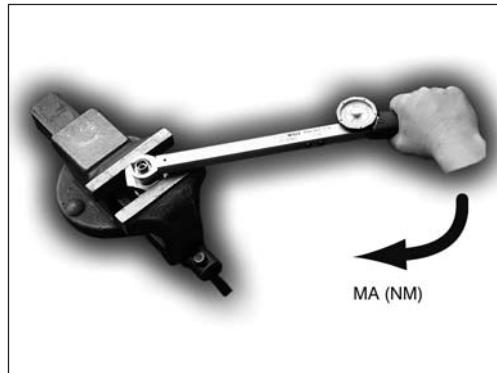


## ANZIEHDREHMOMENTE

## 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 BSPP 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.

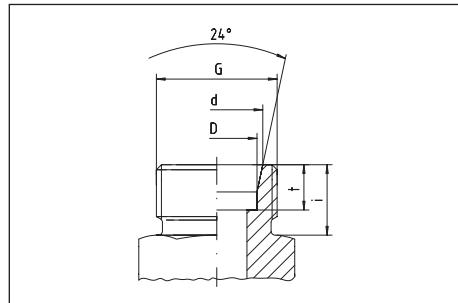
For adaptors (catalog part 5) and reducing stud adaptors (catalog part 8, type GRI) the specified torque data of the S-series have to be used.

# 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

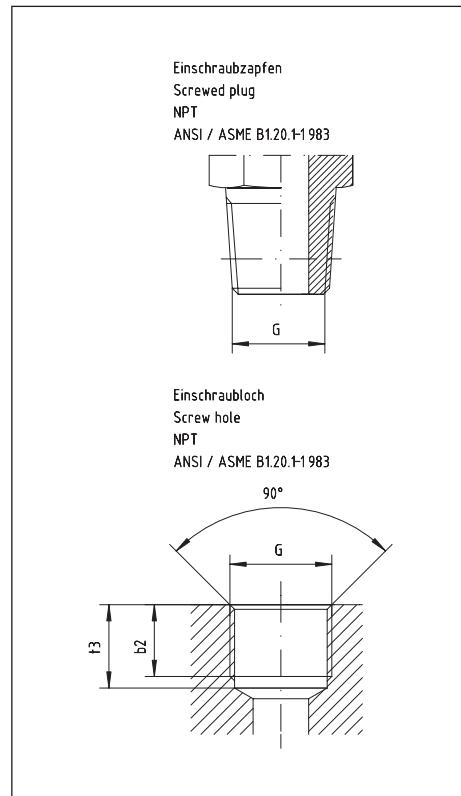
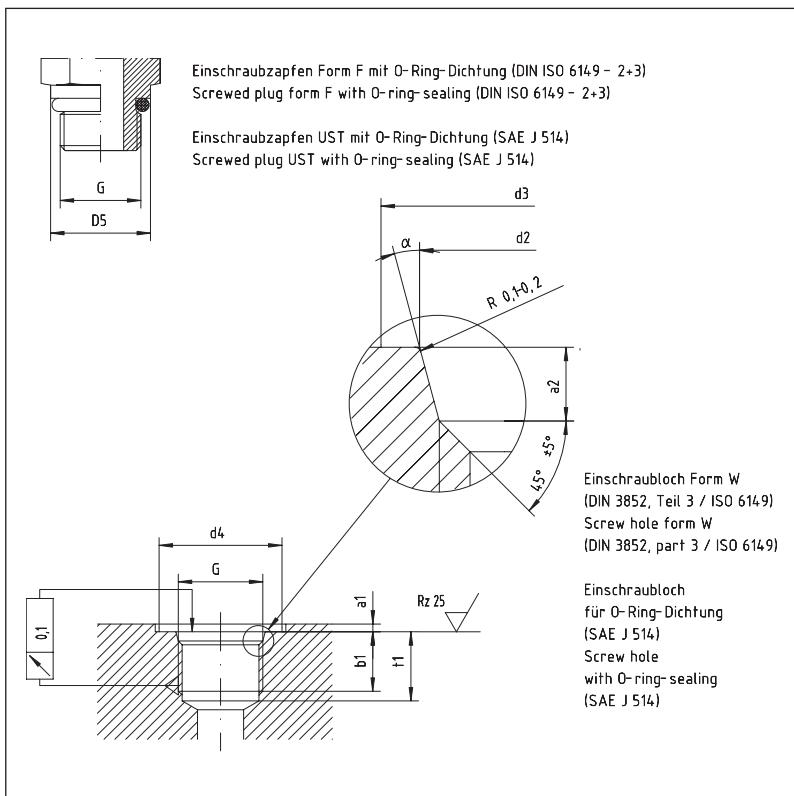
## EINSCHRAUBZÄPFEN / EINSCHRAUBLÖCHER

# SCREWED PLUGS / SCREW HOLES

## Für Rohrverschraubungen *For screwed pipe connections*

Metrisches ISO-Gewinde - DIN 3852 bzw. ISO 6149  
*Metric ISO-thread - DIN 3852 resp. ISO 6149*  
UNF / UN-Gewinde - SAE J 514  
*UNF / UN-thread - SAE J 514*

NPT-Gewinde  
*NPT-thread*  
ANSI / ASME B1.20.1-1983  
ANSI / ASME B1.20.1-1983



G	D5	d4 min.	d3	d2 ±0,1	a1 max.	a2	t1 min.	b1 min.	α±1°
M 8 x 1	10,9	17	11	9,10	1,0	1,6	11,5	10,0	12°
M 10 x 1	12,9	20	13	11,10	1,0	1,6	11,5	10,0	12°
M 12 x 1,5	16,9	22	16	13,80	1,5	2,4	14,0	11,5	15°
M 14 x 1,5	18,9	25	18	15,80	1,5	2,4	14,0	11,5	15°
M 16 x 1,5	20,9	27	20	17,80	1,5	2,4	15,5	13,0	15°
M 18 x 1,5	22,9	29	22	19,80	2,0	2,4	16,5	14,5	15°
M 20 x 1,5	24,9	32	24	21,80	2,0	2,4	16,5	14,0	15°
M 22 x 1,5	26,9	34	26	23,80	2,0	2,4	18,0	15,5	15°
M 26 x 1,5	30,9	37	31	29,05	2,0	3,1	18,5	16,0	15°
M 27 x 2	31,9	40	32	29,40	2,0	3,1	22,0	19,0	15°
M 33 x 2	37,9	46	38	35,40	2,5	3,1	22,0	19,0	15°
M 42 x 2	47,9	56	47	44,40	2,5	3,1	22,5	19,5	15°
M 48 x 2	54,9	64	53	50,40	2,5	3,1	25,0	22,0	15°
7/16"-20 UNF	14,4	21	15	12,40	1,6	2,4	14,0	11,5	12°
9/16"18-UNF	17,6	25	18	15,60	1,6	2,5	15,5	12,7	12°
3/4"-16 UNF	22,3	30	23	20,60	2,4	2,5	17,5	14,3	15°
7/8"-14 UNF	25,5	34	26	23,90	2,4	2,5	20,0	16,7	15°
11/16"-12 UN	31,9	41	32	29,20	2,4	3,3	23,0	19,0	15°
15/16"-12 UN	38,2	49	39	35,50	3,2	3,3	23,0	19,0	15°
15/8"-12 UN	47,7	58	48	43,50	3,2	3,3	23,0	19,0	15°

# EINSCHRAUBZÄPFEN / 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

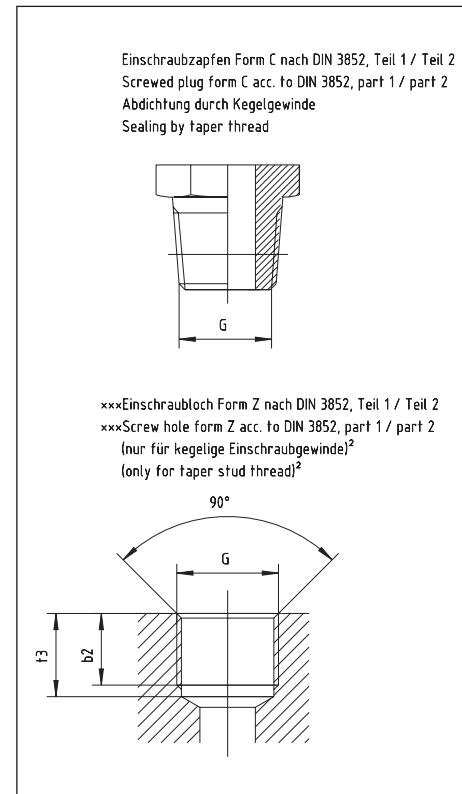
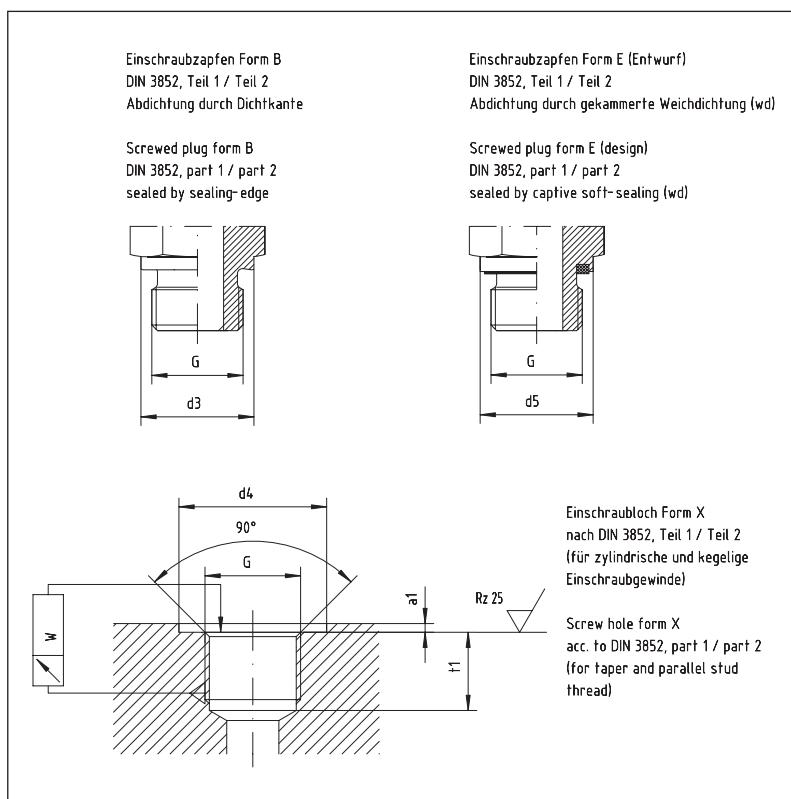
Whitworth-pipe-thread (parallel) DIN / ISO 228

# 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 <sup>1</sup>	14	15	14,0	1,0	8	13,0	0,1
G 1/4" A <sup>1</sup>	18	19	18,9	1,5	12	18,5	0,1
G 3/8" A <sup>1</sup>	22	23	22,0	2,0	12	18,5	0,1
G 1/2" A <sup>1</sup>	26	27	26,9	2,5	14	22,0	0,1
G 3/4" A <sup>1</sup>	32	33	32,0	2,5	16	24,0	0,2
G 1" A <sup>1</sup>	39	40	39,9	2,5	18	27,0	0,2
G 1 1/4" A <sup>1</sup>	49	50	49,9	2,5	20	29,0	0,2
G 1 1/2" A <sup>1</sup>	55	56	55,0	2,5	22	31,0	0,2

<sup>1</sup>Bei Innengewinden entfällt A!

<sup>1</sup>With female thread "A" applicable!

<sup>2</sup>Dichtheit kann nur mit flüssigen oder plastischen Dichtmitteln erreicht werden!

<sup>2</sup>Sealing can only be achieved with liquid or plastic jointing-medium.

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
-	-	-
-	-	-
-	-	-

<sup>1</sup><sup>2</sup>Achtung: Zusätzliches Dichtmittel erforderlich!

<sup>1</sup><sup>2</sup>Attention: Additional sealing material required!

## SCHLÜSSELKENNZAHLEN

## KEY-CODES

Zur jeweiligen Schlauch- und Gewindegröße

To each hose and thread size

Schlüsselkennzahl Key-Code size / dash	Schlauchgröße Hose size		Rohrgewinde zyl. + keg. BSP-thread	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"

# 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. - KEDELIG	GE - COUPLINGS - LL- + L-SERIES - BSP - TAPER	8.23
GE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - KEDELIG	GE - COUPLINGS - S-SERIES - BSP - TAPER	8.24
GE - VERSCHRAUBUNGEN - LL-, L- + S-REIHE - METRISCH - KEDELIG	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. - KEDELIG	WE - STUD ELBOWS - LL- + L-SERIES - BSP - TAPER	8.28
WE - VERSCHRAUBUNGEN - S-REIHE - WHITW. - KEDELIG	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 - KEDELIG	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. - KEDELIG	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 - KEDELIG	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. - KEDELIG	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 - KEDELIG	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
EWV - VERSCHRAUBUNGEN - EINSTELLBAR - VORM.	EWV - SWIVEL ELBOWS - MALE STUD TYPE - PRE-ASSEMBLED	8.60
EWV - VERSCHRAUBUNGEN - WHITW. - ZYLINDRISCH - VORM.	EWV - SWIVEL ELBOWS - BSP - PARALLEL - PRE-ASSEMBLED	8.61
EWV - VERSCHRAUBUNGEN - METRISCH - ZYLINDRISCH - VORM.	EWV - 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

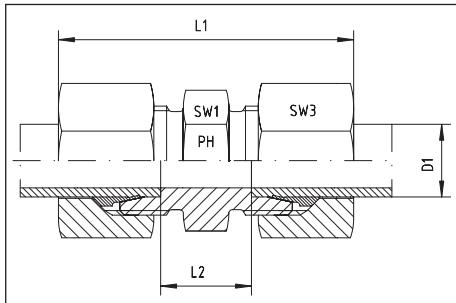
## SCHNEIDRING-VERSCHRAUBUNGEN NACH DIN 2353 / DIN EN ISO 8434-1 CONE SEALING COUPLINGS TO DIN 2353 / DIN EN ISO 8434-1

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 - VERSCHLUSS-STÜCKE FÜR ROHRENEND	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 - VERSCHLUSS-SCHRAUBEN MIT INNENSECHSKANT	VST - SOCKET HEAD PORT PLUGS WITH INTERNAL HEX	8.82
VERSTÄRKUNGSHÜLSSEN	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
KUNSTSTOFFDICHTRinge FÜR SCHWENKVERSCHRAUBUNGEN WHV / THV	PTFE - SEAL RINGS FOR BANJO COUPLINGS WHV / THV	8.85
WEICHDICHTRinge - 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
WEICHDICHTRinge - 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

# GV - GERADE VERSCHRAUBUNGEN



# GV - STRAIGHT COUPLINGS



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	35,0	12	9	10	GV-LL-04
LL	100	6	36,0	9	11	12	GV-LL-06
LL	100	8	38,5	12	12	14	GV-LL-08
L	315	6	44,0	10	12	14	GV-L-06
L	315	8	45,0	11	14	17	GV-L-08
L	315	10	48,0	13	17	19	GV-L-10
L	315	12	49,0	14	19	22	GV-L-12
L	315	15	54,0	16	24	27	GV-L-15
L	315	18	56,0	16	27	32	GV-L-18
L	160	22	63,0	20	32	36	GV-L-22
L	160	28	65,0	21	41	41	GV-L-28
L	160	35	74,0	20	46	50	GV-L-35
L	160	42	75,0	21	55	60	GV-L-42
S	630	6	50,0	16	14	17	GV-S-06
S	630	8	52,0	18	17	19	GV-S-08
S	630	10	54,0	17	19	22	GV-S-10
S	630	12	57,0	19	22	24	GV-S-12
S	630	14	63,0	22	24	27	GV-S-14
S	400	16	65,0	21	27	30	GV-S-16
S	400	20	73,0	23	32	36	GV-S-20
S	400	25	84,0	26	41	46	GV-S-25
S	400	30	88,0	27	46	50	GV-S-30
S	315	38	99,0	29	55	60	GV-S-38

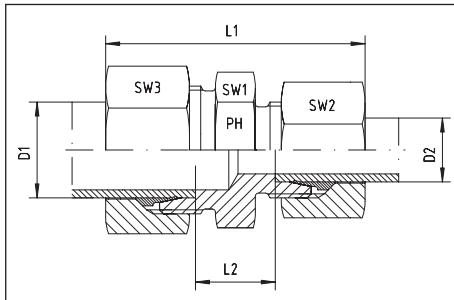
# GRV - VERSCHRAUBUNGEN



# GRV - STUD REDUCERS

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	36,0	10,5	11	10	12	GRV-LL-06/04
LL	100	8	6	38,0	11,0	12	12	14	GRV-LL-08/06
L	315	8	6	45,5	11,0	14	14	17	GRV-L-08/06
L	315	10	6	47,0	12,0	17	14	19	GRV-L-10/06
L	315	10	8	47,0	12,0	17	17	19	GRV-L-10/08
L	315	12	6	48,0	13,0	19	14	22	GRV-L-12/06
L	315	12	8	48,0	13,0	19	17	22	GRV-L-12/08
L	315	12	10	49,5	14,0	19	19	22	GRV-L-12/10
L	315	15	6	50,5	14,0	24	14	27	GRV-L-15/06
L	315	15	8	50,5	14,0	24	17	27	GRV-L-15/08
L	315	15	10	52,0	15,0	24	19	27	GRV-L-15/10
L	315	15	12	52,0	15,0	24	22	27	GRV-L-15/12
L	315	18	8	52,0	14,5	27	27	32	GRV-L-18/08
L	315	18	10	53,5	15,5	27	19	32	GRV-L-18/10
L	315	18	12	53,5	15,5	27	22	32	GRV-L-18/12
L	315	18	15	56,5	16,5	27	27	32	GRV-L-18/15
L	160	22	8	56,5	17,5	32	17	36	GRV-L-22/08
L	160	22	10	57,0	17,5	32	19	36	GRV-L-22/10
L	160	22	12	57,0	17,5	32	22	36	GRV-L-22/12
L	160	22	15	59,0	18,5	32	27	36	GRV-L-22/15
L	160	22	18	60,0	18,0	32	32	36	GRV-L-22/18
L	160	28	10	60,0	20,5	41	19	41	GRV-L-28/10
L	160	28	12	60,0	19,0	41	22	41	GRV-L-28/12
L	160	28	15	62,5	19,0	41	27	41	GRV-L-28/15
L	160	28	18	61,0	19,0	41	32	41	GRV-L-28/18
L	160	28	22	64,0	21,0	41	36	41	GRV-L-28/22
L	160	35	15			46	27	50	GRV-L-35/15
L	160	35	18	66,5	19,0	46	32	50	GRV-L-35/18
L	160	35	22	69,5	21,0	46	36	50	GRV-L-35/22
L	160	35	28	70,5	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	70,5	22,5	55	36	60	GRV-L-42/22
L	160	42	28	71,0	22,5	55	41	60	GRV-L-42/28
L	160	42	35	75,0	21,5	55	50	60	GRV-L-42/35

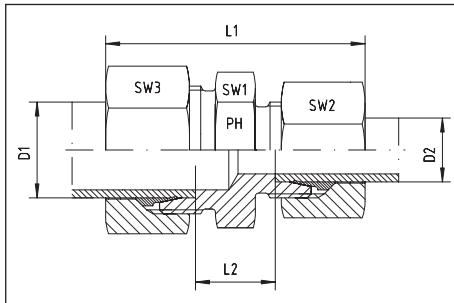
# GRV - VERSCHRAUBUNGEN



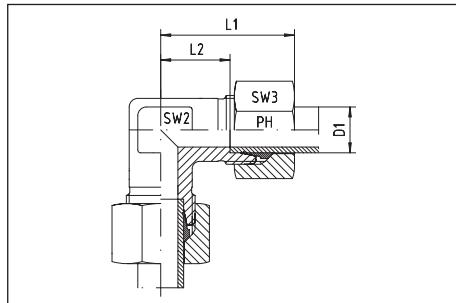
# GRV - STUD REDUCERS

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	52,5	18,0	17	17	19	GRV-S-08/06
S	630	10	6	53,5	17,5	19	17	22	GRV-S-10/06
S	630	10	8	54,0	17,5	19	19	22	GRV-S-10/08
S	630	12	6	55,5	19,5	22	17	24	GRV-S-12/06
S	630	12	8	55,5	19,5	22	19	24	GRV-S-12/08
S	630	12	10	56,5	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	60,0	20,5	24	22	27	GRV-S-14/10
S	630	14	12	60,0	20,5	24	24	27	GRV-S-14/12
S	400	16	6	59,5	20,0	27	17	30	GRV-S-16/06
S	400	16	8	59,5	20,0	27	19	30	GRV-S-16/08
S	400	16	10	60,5	20,0	27	22	30	GRV-S-16/10
S	400	16	12	60,5	20,0	27	24	30	GRV-S-16/12
S	400	16	14	63,5	21,5	27	27	30	GRV-S-16/14
S	400	20	6	64,5	23,5	32	17	36	GRV-S-20/06
S	400	20	8	64,5	21,0	32	19	36	GRV-S-20/08
S	400	20	10	65,5	22,0	32	22	36	GRV-S-20/10
S	400	20	12	65,5	22,0	32	24	36	GRV-S-20/12
S	400	20	14	68,5	23,0	32	27	36	GRV-S-20/14
S	400	20	16	69,5	23,0	32	30	36	GRV-S-20/16
S	400	25	6			41	17	46	GRV-S-25/06
S	400	25	8	71,5	26,5	41	19	46	GRV-S-25/08
S	400	25	10	72,5	27,5	41	22	46	GRV-S-25/10
S	400	25	12	72,5	24,0	41	24	46	GRV-S-25/12
S	400	25	14	74,5	26,5	41	27	46	GRV-S-25/14
S	400	25	16	74,5	25,5	41	30	46	GRV-S-25/16
S	400	25	20	79,0	25,5	41	36	46	GRV-S-25/20
S	400	30	10			46	22	50	GRV-S-30/10
S	400	30	12	74,5	27,0	46	24	50	GRV-S-30/12
S	400	30	14			46	27	50	GRV-S-30/14
S	400	30	16	78,5	26,0	46	30	50	GRV-S-30/16
S	400	30	20	81,5	26,0	46	36	50	GRV-S-30/20
S	400	30	25	86,0	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	85,0	26,0	55	30	60	GRV-S-38/16
S	315	38	20	88,0	28,0	55	36	60	GRV-S-38/20
S	315	38	25	94,0	29,0	55	46	60	GRV-S-38/25
S	315	38	30	95,5	29,5	55	50	60	GRV-S-38/30

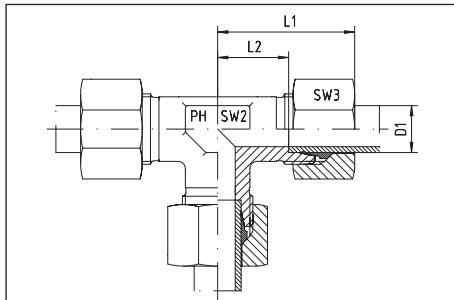


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions				Bestellzeichen Order-Code
			L1	L2	SW2	SW3	
LL	100	4	21	11,0	9	10	WV-LL-04
LL	100	6	21	9,5	9	12	WV-LL-06
LL	100	8	23	11,5	12	14	WV-LL-08
L	315	6	27	12,0	12	14	WV-L-06
L	315	8	29	14,0	12	17	WV-L-08
L	315	10	30	15,0	14	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

# TV - VERSCHRAUBUNGEN



# TV - EQUAL TEES



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

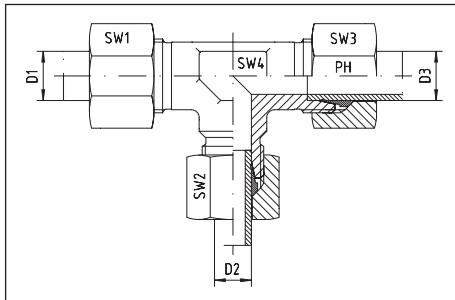
# TRV - VERSCHRAUBUNGEN



# TRV - COUPLINGS

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

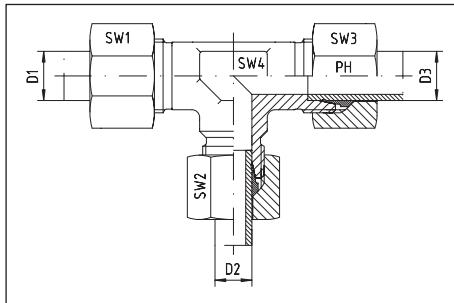
# TRV - VERSCHRAUBUNGEN



# TRV - COUPLINGS

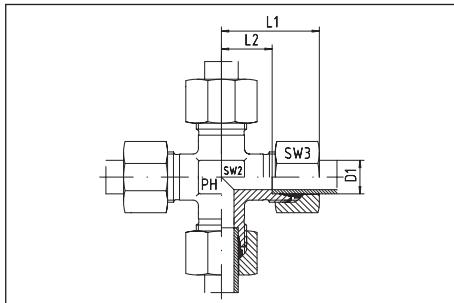
T-Reduzier-Verschraubungen  
L-Reihe

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	160	15	22	15	27	36	27	27	TRV-L-15/22/15
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

andere Sprunggrößen auf Anfrage  
other jump sizes on request



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

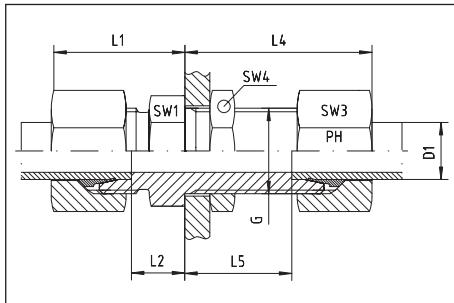
# GSV - VERSCHRAUBUNGEN



# GSV - COUPLINGS

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

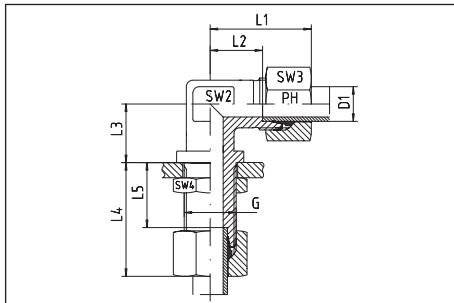
# WSV - VERSCHRAUBUNGEN



# WSV - BULKHEAD ELBOWS

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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

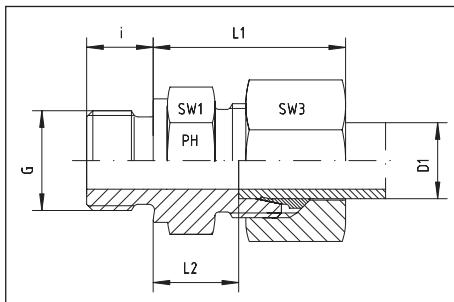
Abdichtung durch Dichtkante Form B

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	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"

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

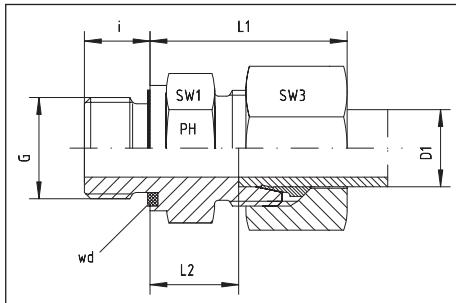
wd = Abdichtung durch Profildichtung - Viton

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	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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

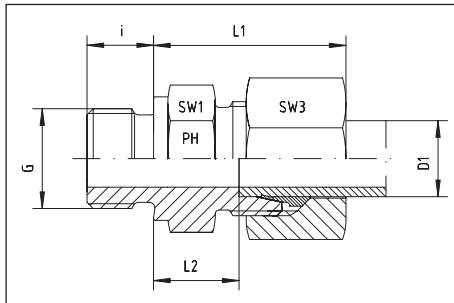
Abdichtung durch Dichtkante Form B

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	14	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"		13,5	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"

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

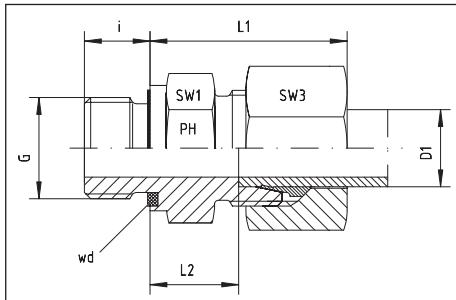
wd = Abdichtung durch Profildichtung - Viton

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"		13,5	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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: metrisches Feingewinde - zylindrisch

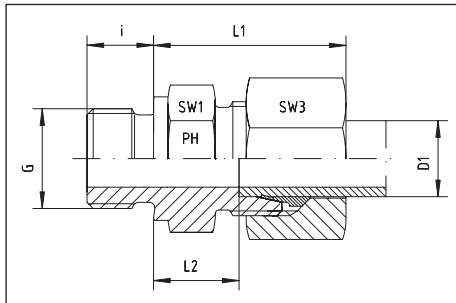
Abdichtung durch Dichtkante Form B

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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: metrisches Feingewinde - zylindrisch

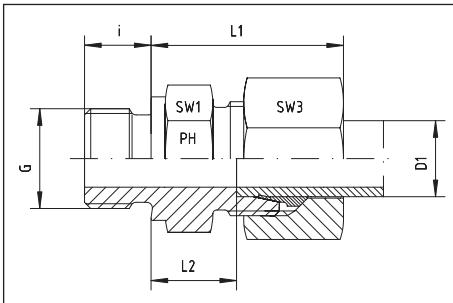
Abdichtung durch Dichtkante Form B

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	13,0	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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

L-Reihe

Einschraubgewinde: metrisches Feingewinde - zylindrisch

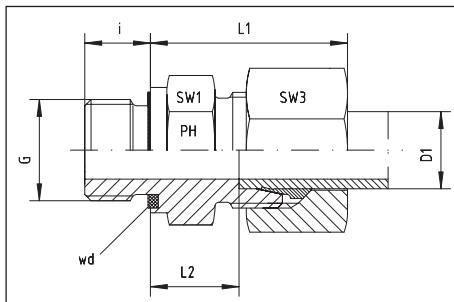
wd = Abdichtung durch Profildichtung - Viton

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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

S-Reihe

Einschraubgewinde: metrisches Feingewinde - zylindrisch

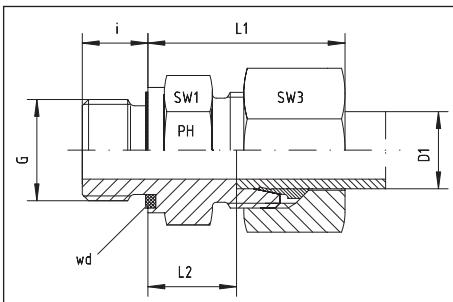
wd = Abdichtung durch Profildichtung - Viton

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	13,0	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	39,0	19,0	14	27	27	GE-S-14-M 20x1,5 wd
S	630	14	M 22 x 1,5	39,0	18,5	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

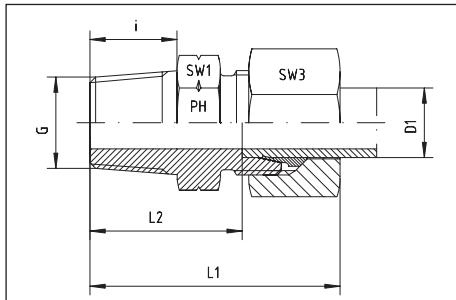
# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

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	46	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

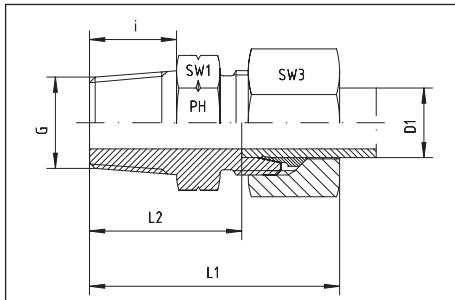
# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

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	50	35,0	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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

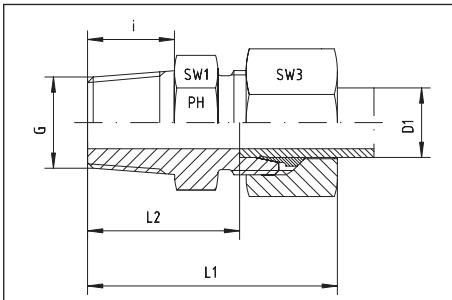
LL- und L-Reihe

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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

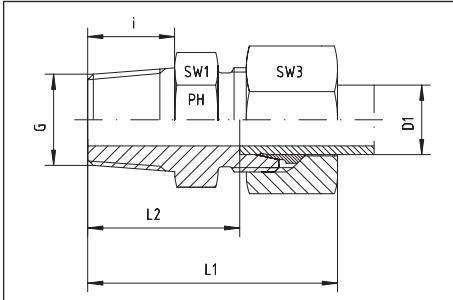
S-Reihe

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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

Gerade Einschraubverschraubungen

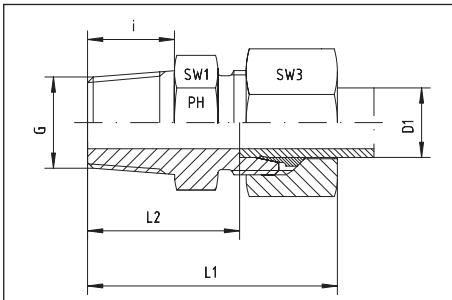
LL-, L- und S-Reihe

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	
<hr/>										
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	

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

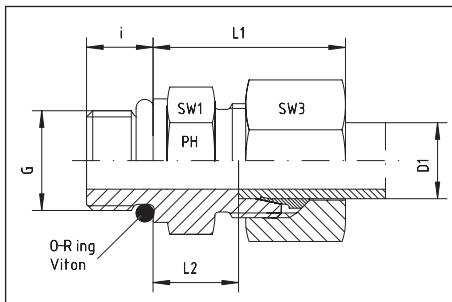
Gerade Einschraubverschraubungen

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	30,5	13,0	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

# GE - VERSCHRAUBUNGEN



# GE - COUPLINGS

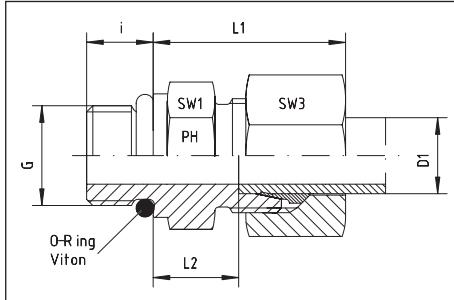
Gerade Einschraubverschraubungen

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	15,5	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	14,8	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	15,5	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	20	1 5/16"-12 UN		22,5	15,0	41	36	29,74 x 2,95	GE-S-20-1 5/16" 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

# WE - VERSCHRAUBUNGEN



# WE - STUD ELBOWS

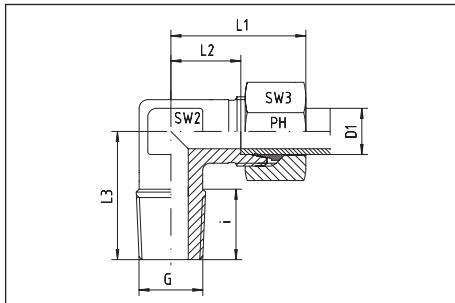
Winkel-Einschraubverschraubungen

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	
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	51,5	30,5	47	20	36	41	WE-L-28-R 1" k	
L	160	35	R 1 1/4" keg	59,5	33,0	56	26	41	50	WE-L-35-R 1 1/4" k	

# WE - VERSCHRAUBUNGEN



# WE - STUD ELBOWS

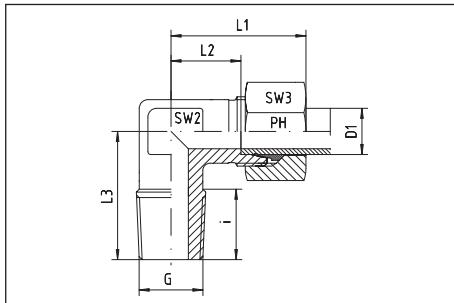
Winkel-Einschraubverschraubungen

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

## WE - VERSCHRAUBUNGEN



## WE - STUD ELBOWS

Winkel-Einschraubverschraubungen

L- und S-Reihe

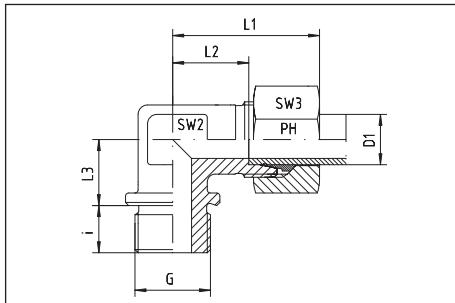
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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	
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	

# WE - VERSCHRAUBUNGEN



# WE - STUD ELBOWS

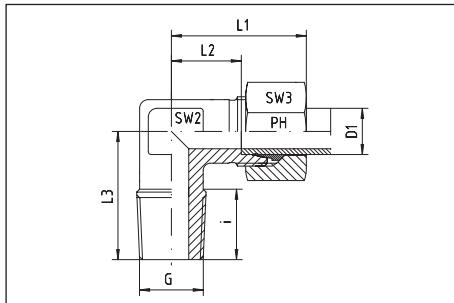
Winkel-Einschraubverschraubungen

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	
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	
<hr/>											
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	
<hr/>											
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	

## WE - VERSCHRAUBUNGEN



## WE - STUD ELBOWS

Winkel-Einschraubverschraubungen

L- und S-Reihe

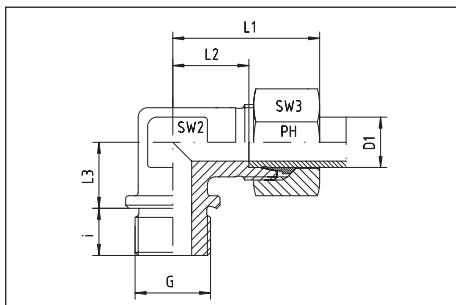
Einschraubgewinde: metrisches Feingewinde - zylindrisch

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

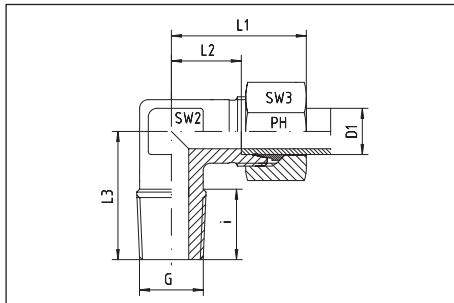
# WE - VERSCHRAUBUNGEN



# WE - STUD ELBOWS

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	15	3/4" NPT	36,0	21,0	42	20,0	24	27	WE-L-15-3/4" 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

# WE - VERSCHRAUBUNGEN



# WE - STUD ELBOWS

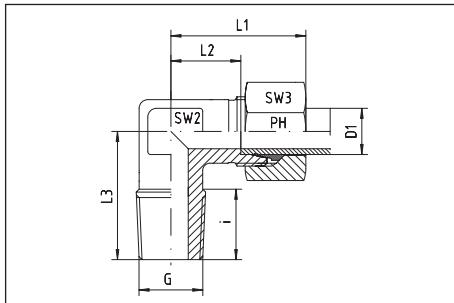
Winkel-Einschraubverschraubungen

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

## TE - VERSCHRAUBUNGEN



## TE - STUD BRANCH TEES

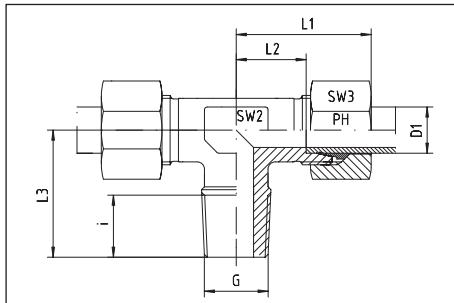
T-Einschraubverschraubungen

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

## TE - VERSCHRAUBUNGEN



## TE - STUD BRANCH TEES

T-Einschraubverschraubungen

L- und S-Reihe

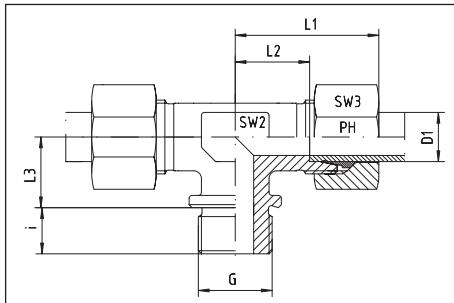
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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

## TE - VERSCHRAUBUNGEN



## TE - STUD BRANCH TEES

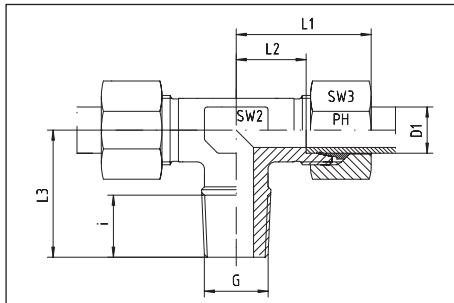
T-Einschraubverschraubungen

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	
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	
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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	
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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	

## TE - VERSCHRAUBUNGEN



## TE - STUD BRANCH TEES

T-Einschraubverschraubungen

L- und S-Reihe

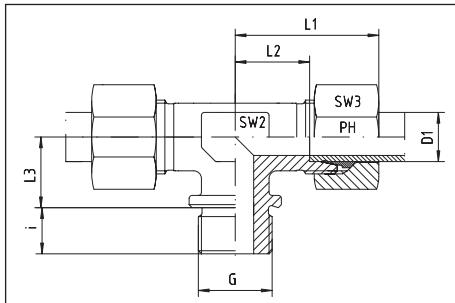
Einschraubgewinde: metrisches Feingewinde - zylindrisch

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

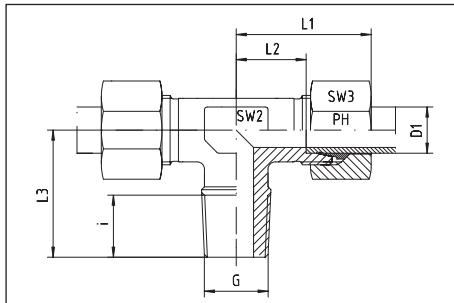
# TE - VERSCHRAUBUNGEN



# TE - STUD BRANCH TEES

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

# LE - VERSCHRAUBUNGEN



# LE - STUD BARREL TEES

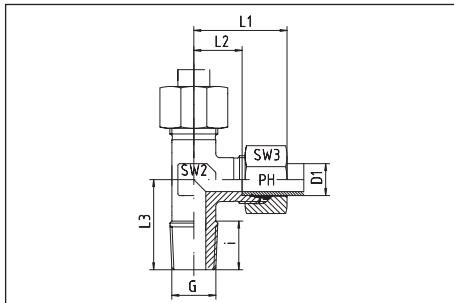
L-Einschraubverschraubungen

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

# LE - VERSCHRAUBUNGEN



# LE - STUD BARREL TEES

L-Einschraubverschraubungen

L- und S-Reihe

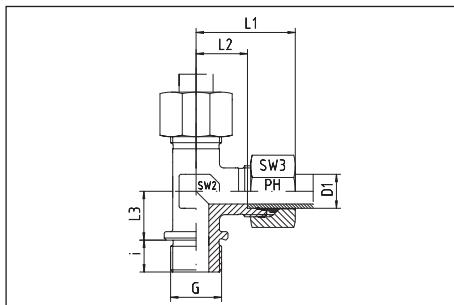
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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

# LE - VERSCHRAUBUNGEN



# LE - STUD BARREL TEES

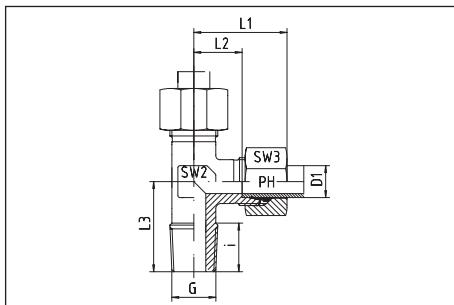
L-Einschraubverschraubungen

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	
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	
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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	
<hr/>											
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	

# LE - VERSCHRAUBUNGEN



# LE - STUD BARREL TEES

L-Einschraubverschraubungen

L- und S-Reihe

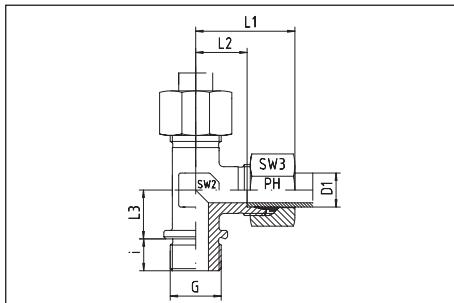
Einschraubgewinde: metrisches Feingewinde - zylindrisch

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

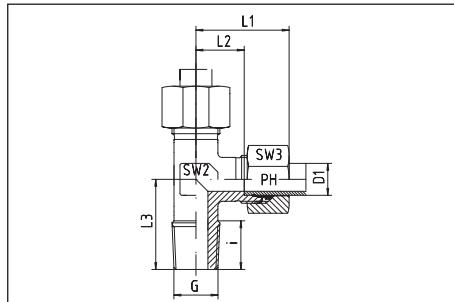
# LE - VERSCHRAUBUNGEN



# LE - STUD BARREL TEES

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

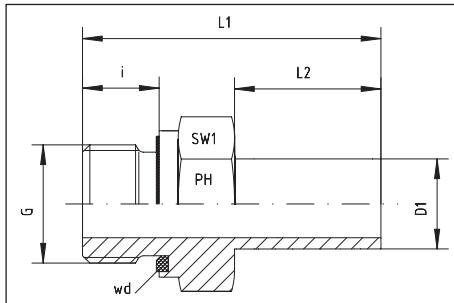
# GERADE AUFSTECKSTUTZEN



# 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"	32,5	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	20,5	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"	47,0	24,0	14	27	EVGE-L-18-G 1/2"ov-wd
L	315	18	G 3/4"		24,0	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"	50,5	24,5	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"	52,5	25,5	16	32	EVGE-L-28-G 3/4"ov-wd
L	160	28	G 1"	54,0	25,5	18	41	EVGE-L-28-G 1"ov-wd
L	160	35	G 1 1/4"	63,5	32,0	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"	32,5	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	20,5	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	26,0	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	29,0	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	33,0	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

# GERADE AUFSTECKSTUTZEN



# STUD STANDPIPE CONNECTORS

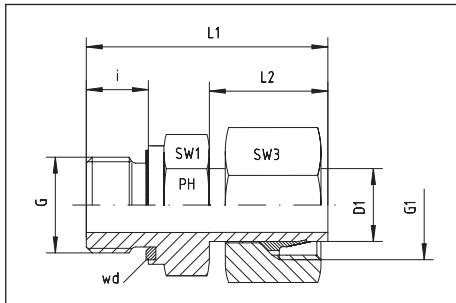
vormontiert

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"	32,5	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	20,5	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"	47,0	24,0	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"	50,5	24,5	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"	52,5	25,5	16	32	41	EVGE-L-28-G 3/4"-wd
L	160	28	G 1"	54,0	25,5	18	41	41	EVGE-L-28-G 1"-wd
L	160	35	G 1 1/4"	63,5	32,0	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"	32,5	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	20,5	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	26,0	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	29,0	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	33,0	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

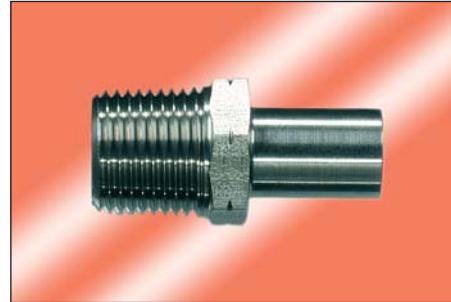
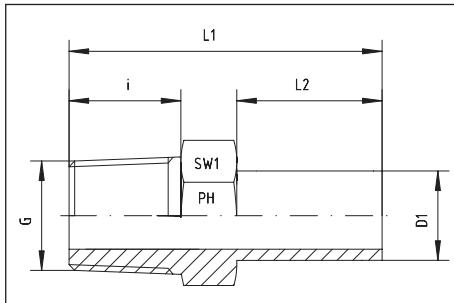
# GERADE AUFSTECKSTUTZEN



# STUD STANDPIPE CONNECTORS

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	50,0	24,0	20,0	22	EVGE-L-18-1/2"-ov NPT
L	160	22	3/4" NPT	52,0	24,5	20,0	27	EVGE-L-22-3/4"-ov NPT
L	160	28	1" NPT	59,0	25,5	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

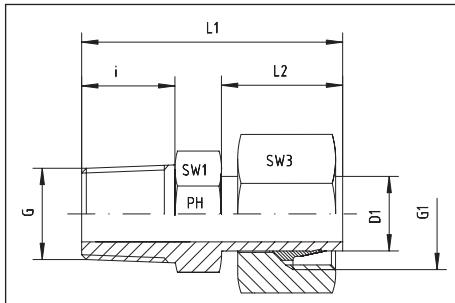
# GERADE AUFSTECKSTUTZEN



# STUD STANDPIPE CONNECTORS

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		ca. Maße approx. dimensions					Bestellzeichen Order-Code
			G	G1	L1	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	50,0	24,0	20,0	22	32	EVGE-L-18-1/2" NPT
L	160	22	3/4" NPT	M 30 x 2	52,0	24,5	20,0	27	36	EVGE-L-22-3/4" NPT
L	160	28	1" NPT	M 36 x 2	59,0	25,5	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

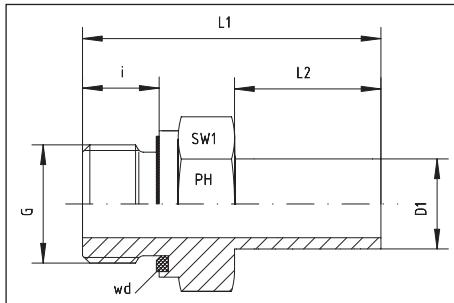
Einschraubgewinde: metrisches Feingewinde - zylindrisch

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	47,0	24,0	14	27	EVGE-L-18-M 22x1,5-ov-wd
L	160	22	M 26 x 1,5	50,5	24,5	16	32	EVGE-L-22-M 26x1,5-ov-wd
L	160	28	M 33 x 2	54,0	25,5	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

# GERADE AUFSTECKSTUTZEN



# STUD STANDPIPE CONNECTORS

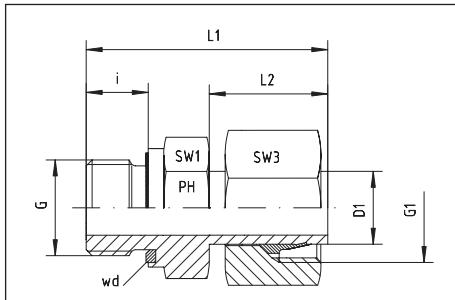
vormontiert

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	47,0	24,0	14	27	32	EVGE-L-18-M 22x1,5-wd
L	160	22	M 26 x 1,5	M 30 x 2	50,5	24,5	16	32	36	EVGE-L-22-M 26x1,5-wd
L	160	28	M 33 x 2	M 36 x 2	54,0	25,5	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

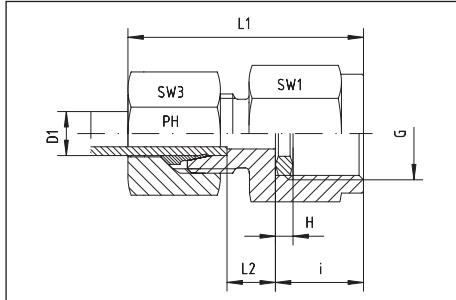
# MV - VERSCHRAUBUNGEN



# MV - GAUGE COUPLINGS

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

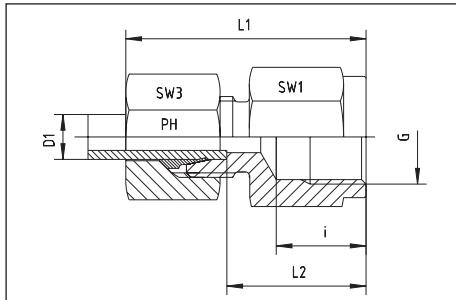
with metal sealing ring - DKRi  
Internal thread: BSP - female - parallel



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 1/4"	40	9,5	14,5	4,5	19	19	MV-S-08-G 1/4"
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			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"

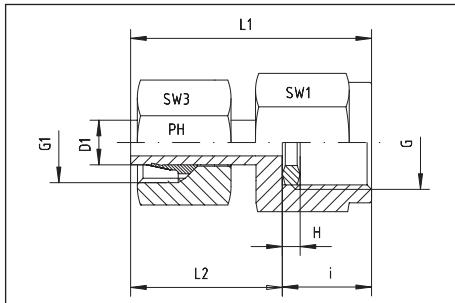
# MV - VERSCHRAUBUNGEN



# MV - GAUGE SWIVEL COUPLINGS

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		ca. Maße approx. dimensions					Bestellzeichen Order-Code	
			G	G1	L1	L2	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"

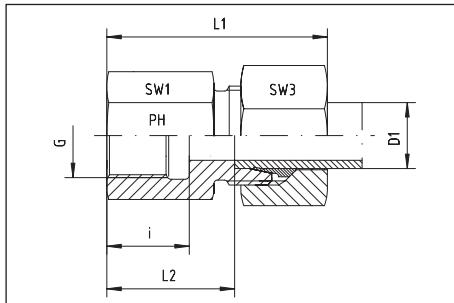
# GAI - VERSCHRAUBUNGEN



# GAI - FEMALE STUD COUPLINGS

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"	36,0	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"	42,0	24,0	17,0	24	14	GAI-L-06-G 3/8"
L	315	6	G 1/2"	46,0	31,0	20,0	27	14	GAI-L-06-G 1/2"
L	315	8	G 1/8"	36,0	19,0	12,0	14	17	GAI-L-08-G 1/8"
L	315	8	G 1/4"	41,0	24,0	17,0	19	17	GAI-L-08-G 1/4"
L	315	8	G 3/8"	42,0	25,0	17,0	24	17	GAI-L-08-G 3/8"
L	315	8	G 1/2"	46,0	32,0	20,0	27	17	GAI-L-08-G 1/2"
L	315	10	G 1/8"	36,0	19,0	12,0	17	19	GAI-L-10-G 1/8"
L	315	10	G 1/4"	42,0	25,0	17,0	19	19	GAI-L-10-G 1/4"
L	315	10	G 3/8"	43,0	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"	42,0	25,0	17,0	19	22	GAI-L-12-G 1/4"
L	315	12	G 3/8"	43,0	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"	46,0	27,0	17,5	24	27	GAI-L-15-G 3/8"
L	315	15	G 1/2"	49,0	31,0	20,0	27	27	GAI-L-15-G 1/2"
L	315	18	G 3/8"	47,0	26,5	17,5	27	32	GAI-L-18-G 3/8"
L	315	18	G 1/2"	50,5	30,5	20,0	27	32	GAI-L-18-G 1/2"
L	315	18	G 3/4"	53,5	33,5	22,0	36	32	GAI-L-18-G 3/4"
L	160	22	G 1/2"	55,0	33,5	20,0	32	36	GAI-L-22-G 1/2"
L	160	22	G 3/4"	56,0	35,5	22,0	36	36	GAI-L-22-G 3/4"
L	160	28	G 1	60,5	38,0	24,5	41	41	GAI-L-28-G 1"
L	160	35	G 1 1/4"	68,5	41,0	26,5	55	50	GAI-L-35-G 1 1/4"
L	160	42	G 1 1/2"	69,5	42,5	28,5	60	60	GAI-L-42-G 1 1/2"
S	400	6	G 1/4"	42,0	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"	48,0	31,0	20,0	27	17	GAI-S-06-G 1/2"
S	400	8	G 1/4"	43,0	26,0	17,0	19	19	GAI-S-08-G 1/4"
S	400	8	G 3/8"	44,0	27,0	17,0	24	19	GAI-S-08-G 3/8"
S	400	8	G 1/2"	48,0	31,0	20,0	27	19	GAI-S-08-G 1/2"
S	400	10	G 3/8"	45,0	26,5	17,0	24	22	GAI-S-10-G 3/8"
S	400	10	G 1/2"	49,5	30,5	20,0	27	22	GAI-S-10-G 1/2"
S	400	12	G 1/4"	46,0	27,5	17,0	22	24	GAI-S-12-G 1/4"
S	400	12	G 3/8"	45,0	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"	50,0	30,0	17,0	24	27	GAI-S-14-G 3/8"
S	400	14	G 1/2"	52,0	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"	53,0	31,5	20,0	27	30	GAI-S-16-G 1/2"
S	315	20	G 1/2"	57,0	32,5	20,0	32	36	GAI-S-20-G 1/2"
S	315	20	G 3/4"	60,0	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	66,5	37,5	24,5	41	46	GAI-S-25-G 1"
S	315	30	G 1 1/4"	72,5	42,0	26,5	55	50	GAI-S-30-G 1 1/4"
S	250	38	G 1 1/2"	79,5	43,5	28,5	60	60	GAI-S-38-G 1 1/2"

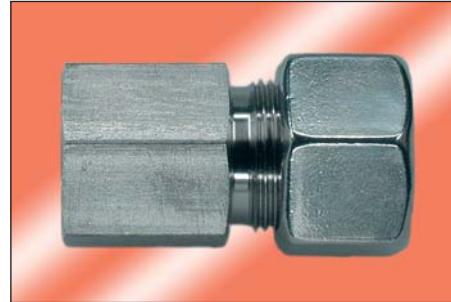
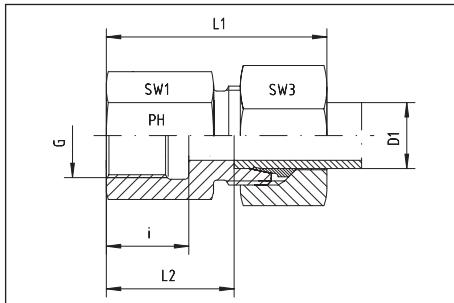
# GAI - VERSCHRAUBUNGEN



# GAI - FEMALE STUD COUPLINGS

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

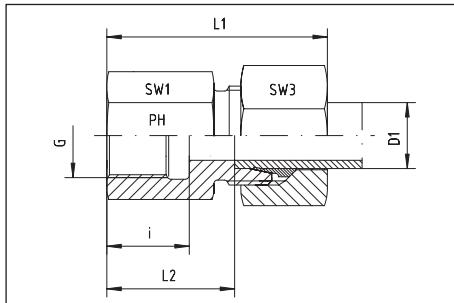
# GAI - VERSCHRAUBUNGEN



# GAI - FEMALE STUD COUPLINGS

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

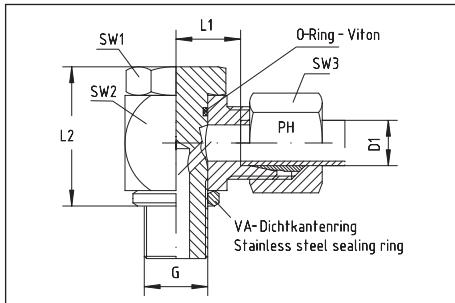
# WHV - VERSCHRAUBUNGEN



# WHV - BANJO ELBOWS

Winkel-Schwenkverschraubungen  
mit VA-Dichtkanterring für Ausdrehung DIN 3852 (schmal)  
Auf Anfrage: mit gekammertem Weichdichtring -  
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
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	27	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	27	22	WHV-S-10-G 3/8"
S	400	12	G 3/8"	18,5	36	24	27	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-Dichtkanterring für Ausdrehung DIN 3852 (schmal)

Auf Anfrage: mit gekammertem Weichdichtring -

Seite 8.85 und 8.86

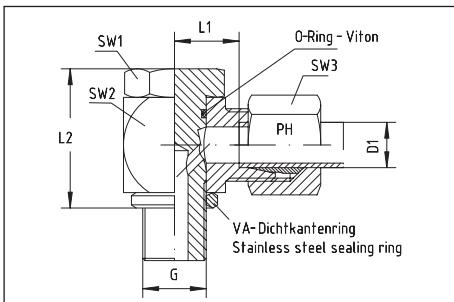
Einschraubgewinde G: metrisches Feingewinde - zylindrisch

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	27	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	27	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

# THV - VERSCHRAUBUNGEN



# THV - BANJO TEES

T-Schwenkverschraubungen

mit VA-Dichtkanterring für Ausdrehung DIN 3852 (schmal)

Auf Anfrage: mit gekammertem Weichdichtring -

Seite 8.85 und 8.86

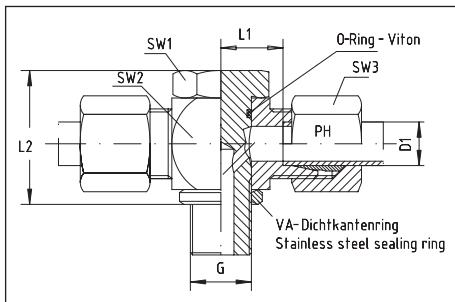
Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch

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
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	27	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	27	22	THV-S-10-R 3/8"
S	400	12	G 3/8"	18,5	36	24	27	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"

# THV - VERSCHRAUBUNGEN



# THV - BANJO TEES

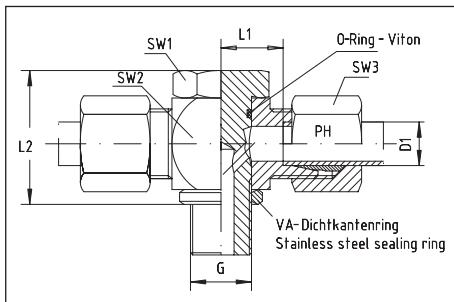
## T-Schwenkverschraubungen

mit VA-Dichtkanterring für Ausdrehung DIN 3852 (schmal)

Auf Anfrage: mit gekammertem Weichdichtring -

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

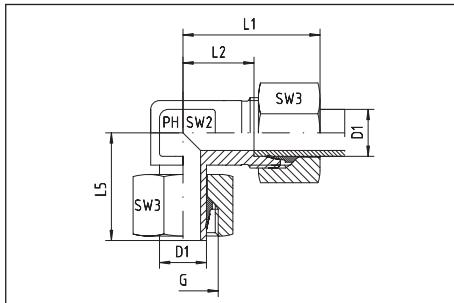
Thread G: metric - parallel



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	27	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	27	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

# EVW - VERSCHRAUBUNGEN



# EVW - SWIVEL ELBOWS

Einstellbare Winkel-Verschraubungen

Einsteckausführung - vormontiert

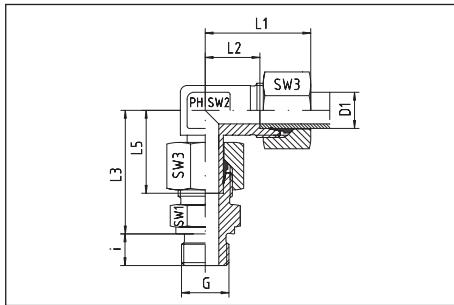
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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"

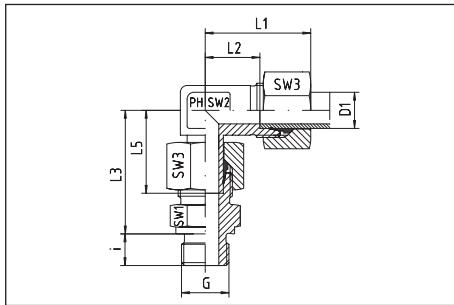
# EVW - VERSCHRAUBUNGEN



# EVW - SWIVEL ELBOWS

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

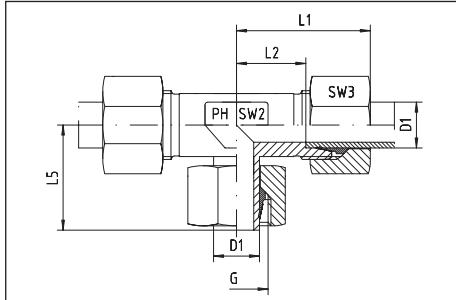
# EVT - VERSCHRAUBUNGEN



# EVT - SWIVEL BRANCH TEES

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

# EVT - VERSCHRAUBUNGEN



# EVT - SWIVEL BRANCH TEES

Einstellbare T-Verschraubungen

Einsteckausführung - vormontiert

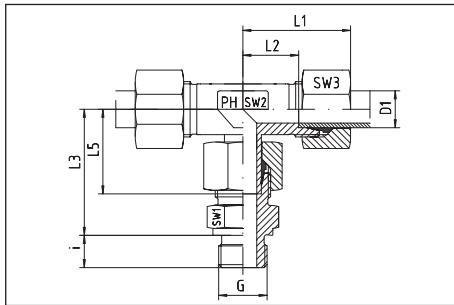
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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"

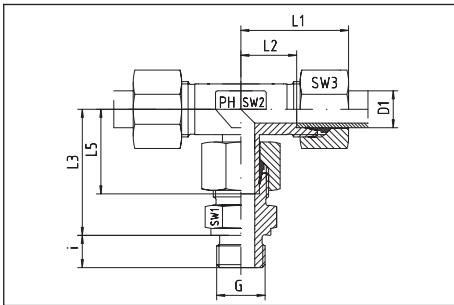
# EVT - VERSCHRAUBUNGEN



# EVT - SWIVEL BRANCH TEES

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

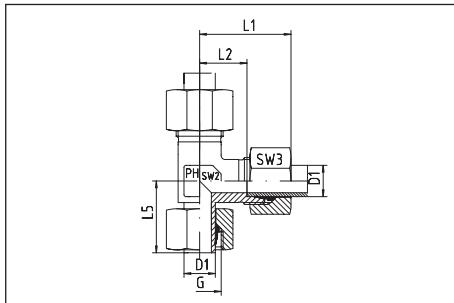
## EVL - VERSCHRAUBUNGEN



## EVL - SWIVEL BARREL TEES

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

# EVL - VERSCHRAUBUNGEN



# EVL - SWIVEL BARREL TEES

Einstellbare L-Verschraubungen

Einsteckausführung - vormontiert

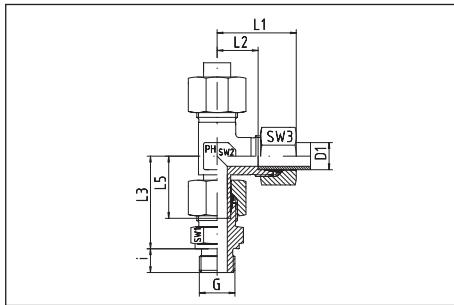
Einschraubgewinde: Whitworth-Rohrgewinde - zylindrisch

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"

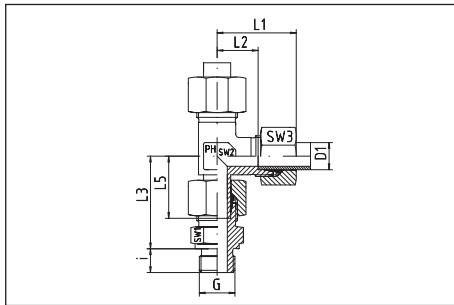
## EVL - VERSCHRAUBUNGEN



## EVL - SWIVEL BARREL TEES

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.

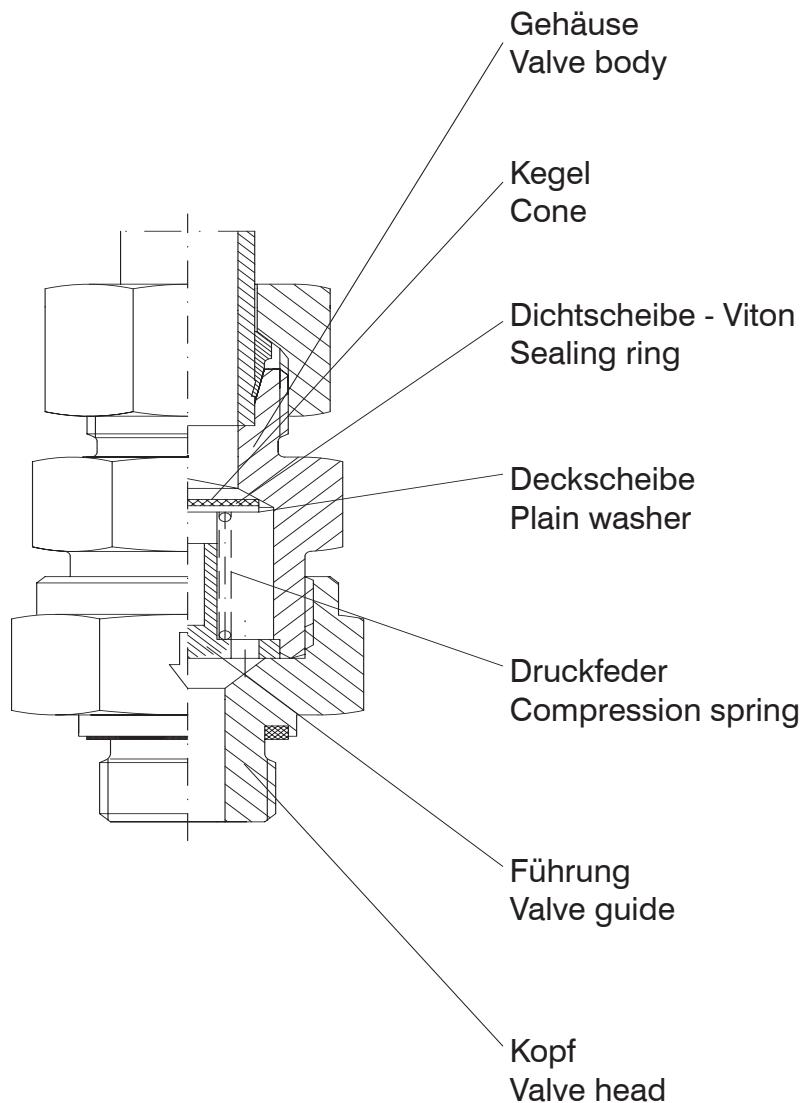
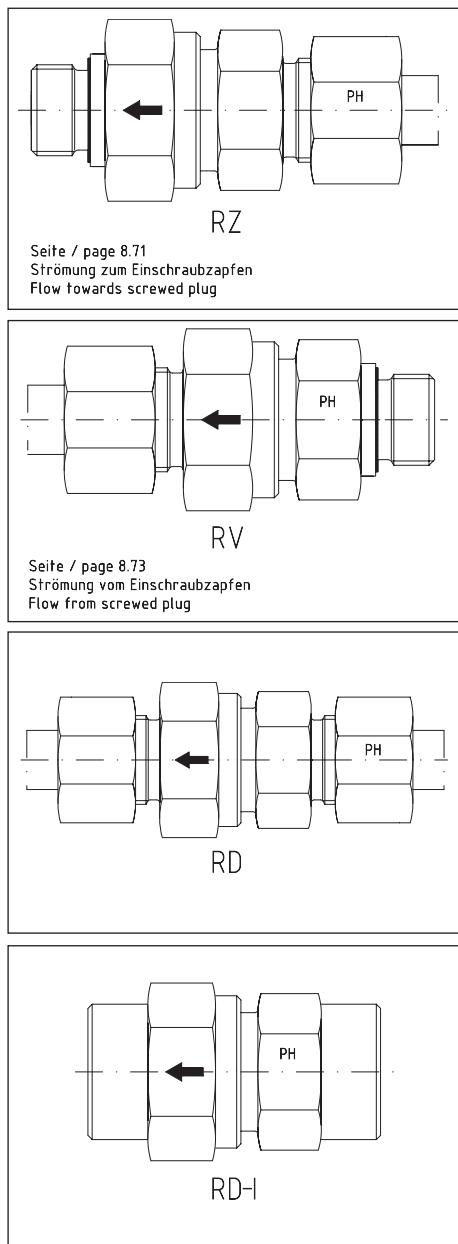
The port is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

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

# KEGEL-RÜCKSCHLAGVENTILE



# NON-RETURN VALVES



## 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 eingeengt. 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)

## Verwendung für Hydraulikflüssigkeiten

Um die Eignung der Ventile bei anderen Bedingungen zu gewährleisten, bitten wir um Angabe des Mediums, eventuell auch Konzentration, max. Betriebsdruck inkl. Druckspitzen, Temperatur und Häufigkeit der Ventilbetätigung.

## 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)

## Application for hydraulic fluids

In order to guarantee the suitability of the valves for other applications, we request the description of the medium, possibly also the concentration, max. working pressure including peak pressure, temperature and frequency of the valve operation.

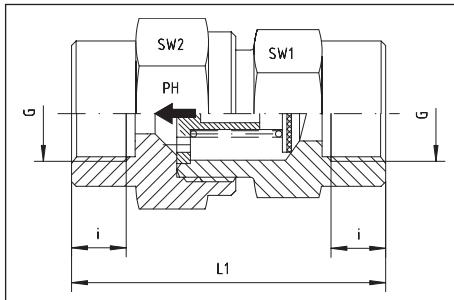
# RÜCKSCHLAG-DURCHGANGS-VENTILE



## NON-RETURN VALVES

beidseitiges Innengewinde  
Whitworth-Rohrgewinde - zylindrisch  
NPT-Gewinde

both sides inside thread  
BSP - parallel  
NPT - thread



Druck 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	nur 0,5 bar Öffnungsdruck / only 0,5 bar valve lift pressure	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	nur 0,5 bar Öffnungsdruck / only 0,5 bar valve lift pressure	RD-I-NPT-2"

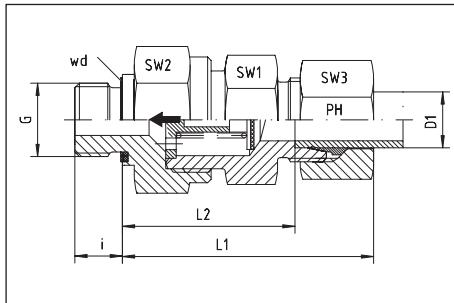
# EINSCHRAUB-RÜCKSCHLAG-VENTILE



# 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

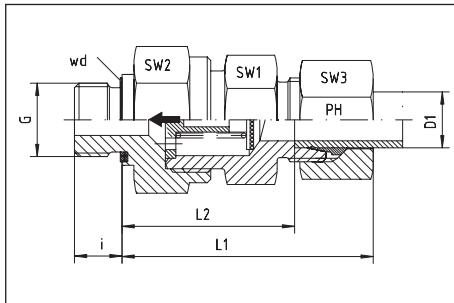
# EINSCHRAUB-RÜCKSCHLAG-VENTILE



## 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

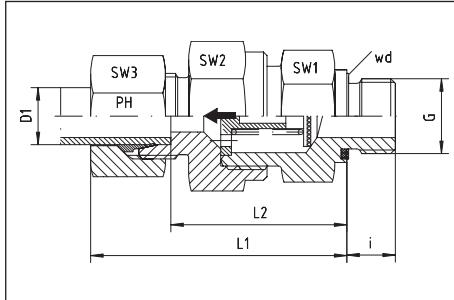
# EINSCHRAUB-RÜCKSCHLAG-VENTILE



# 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

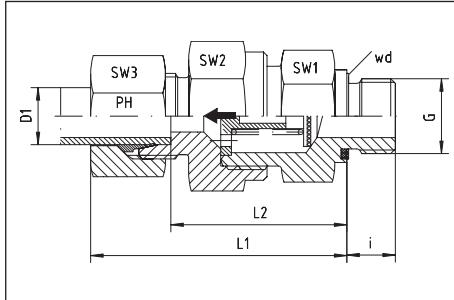
# EINSCHRAUB-RÜCKSCHLAG-VENTILE



## 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

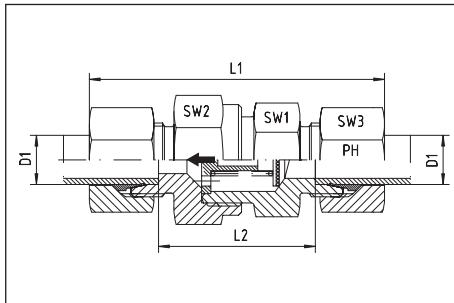
# RÜCKSCHLAG-DURCHGANGS- VENTILE



## NON-RETURN VALVES

beiderseits Schneidringanschluss

tube cutting ring connection both ends

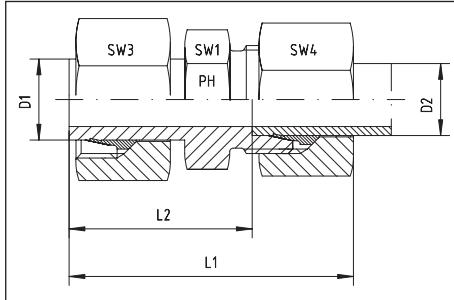


Reihe Series	Druck Pressure PB	Rohr A.D. Tube O.D. D1	ca. Maße approx. dimensions					Bestellzeichen Order-Code
			L1	L2	SW1	SW2	SW3	
L	250	6	58	29,0	17	17	14	RD-L-06
L	250	8	59	30,0	17	19	17	RD-L-08
L	250	10	70	40,5	22	24	19	RD-L-10
L	250	12	73	43,5	27	30	22	RD-L-12
L	250	15	78	47,5	27	30	27	RD-L-15
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

# KONUS-REDUZIERANSCHLÜSSE



# TUBE END REDUCERS



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

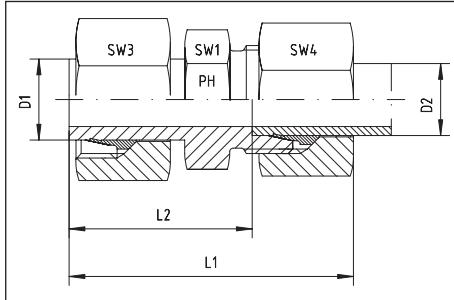
Port D1 is pre-assembled. Final assembly in appropriate body with approx. 1/2 turn beyond the point of clearly perceptible resistance.

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

# KONUS-REDUZIERANSCHLÜSSE



# TUBE END REDUCERS



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

# GEWINDE-REDUZIERUNGEN

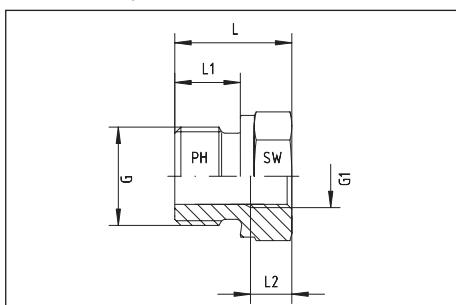


# MALE/FEMALE STUD ADAPTORS

beide Gewinde: Whitworth-Rohrgewinde - zylindrisch -  
DIN / ISO 228

Abdichtung durch Dichtkante Form B

Form: A



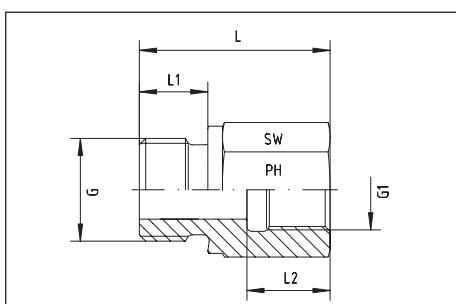
Form: A

both threads: BSP - parallel -  
DIN / ISO 228

Sealing by sealing shoulder form B



Form: B



Form: B



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

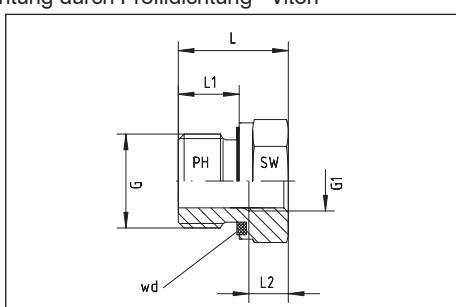
# GEWINDE-REDUZIERUNGEN



# MALE/FEMALE STUD ADAPTORS

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

Form: A

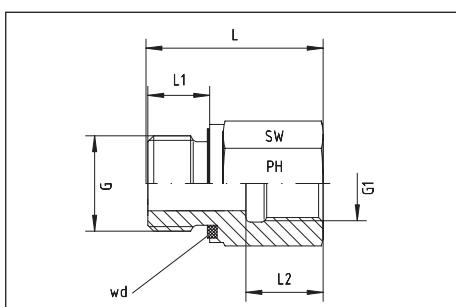


both threads: BSP - parallel -  
DIN / ISO 228  
wd = Sealing by an elastomer profiled ring - Viton

Form: A



Form: B



Form: B



Druck Pressure PN	Außengewinde Male thread G	Innengewinde Female thread G1	ca. Maße approx. dimensions				Form Form	Bestellzeichen Order-Code
			L	approx. 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"
250	G 1 1/4"	G 3/8"	32,0	20,0	17,0	50	A	GRI 1 1/4" wd x 3/8"
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"

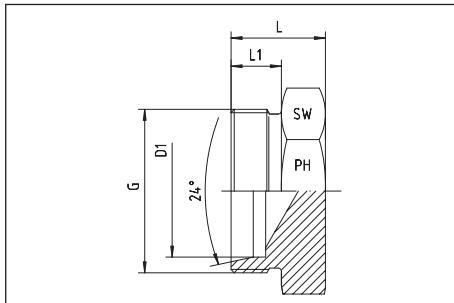
# XROV - VERSCHLUSS-STÜCKE



# XROV - BLANKING PLUG

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
<hr/>							
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

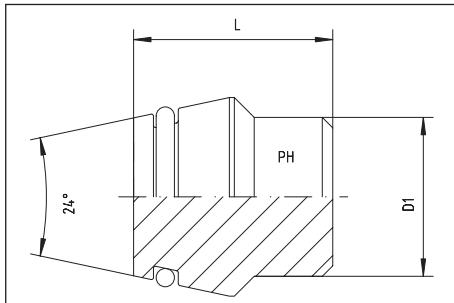
# VKA - VERSCHLUSSKEGEL



# VKA - COUPLING PLUGS

mit O-Ring - NBR  
für Bohrungsform W DIN 3861

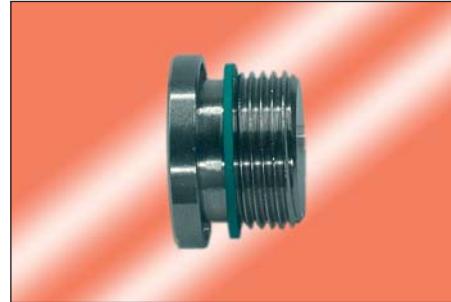
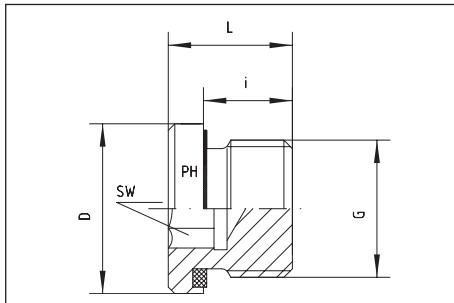
with O-ring - NBR  
for port end W DIN 3861



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

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

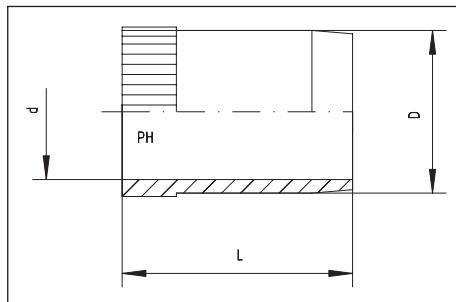
# VERSTÄRKUNGSHÜLSEN



# REINFORCING RINGS

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

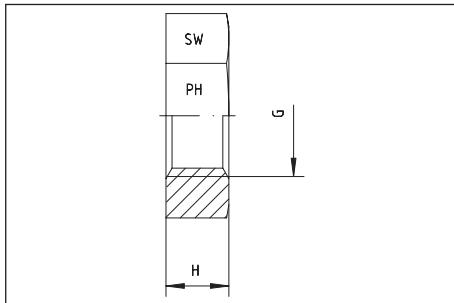
# GEGENMUTTERN



# LOCKNUTS

für Schottverschraubungen

for bulkhead couplings



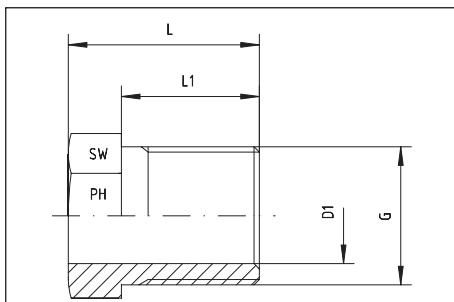
Gewinde Thread G	H	SW	Bestellzeichen Order-Code
M 12 x 1,5 = 06-L	6	17	GM 12x1,5
M 14 x 1,5 = 08-L + 06-S	6	19	GM 14x1,5
M 16 x 1,5 = 10-L + 08-S	6	22	GM 16x1,5
M 18 x 1,5 = 12-L + 10-S	6	24	GM 18x1,5
M 20 x 1,5 = 12-S	6	27	GM 20x1,5
M 22 x 1,5 = 15-L + 14-S	7	30	GM 22x1,5
M 24 x 1,5 = 16-S	7	32	GM 24x1,5
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
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

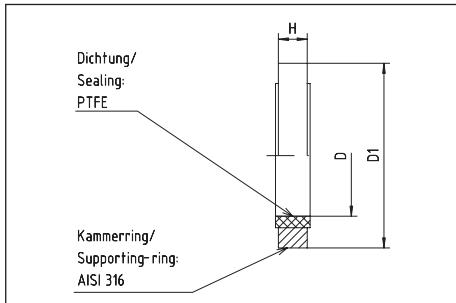
# KUNSTSTOFFDICHTRINGE



# PTFE - SEAL RINGS

für Schwenkverschraubungen WHV / THV  
für Einschraublöcher mit breiter Ausdrehung

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"

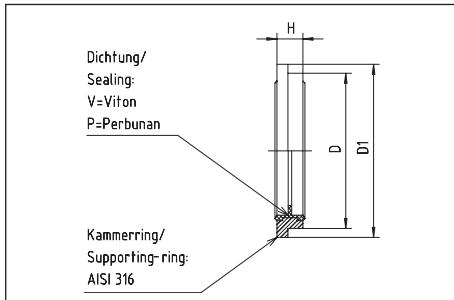
# WEICHDICHTRinge



# SOFT SEAL RINGS

für Schwenkverschraubungen WHV / THV  
für Einschraublöcher mit breiter oder schmaler Ausdrehung  
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
<hr/>						
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

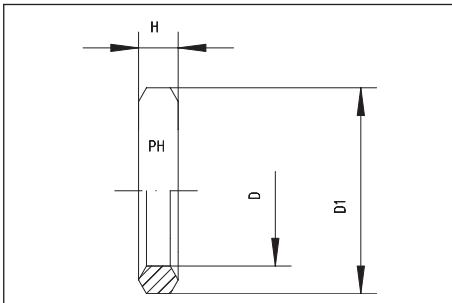
## DKR - DICHTKANTENRINGE



## DKR - SEAL EDGERINGS

für Schwenkverschraubungen WHV / THV  
mit Außengewinde

for banjo couplings WHV / THV  
with external thread



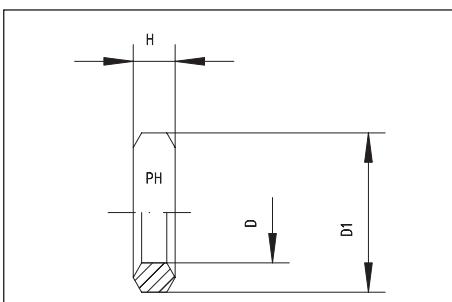
Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	D	D1	H	
G 1/8"	9,8	14	2,5	DKR-G 1/8"
G 1/4"	13,3	18	3,0	DKR-G 1/4"
G 3/8"	16,8	22	3,0	DKR-G 3/8"
G 1/2"	21,1	26	4,5	DKR-G 1/2"
G 3/4"	27,1	32	4,0	DKR-G 3/4"
G 1"	33,4	39	4,0	DKR-G 1"
G 1 1/4"	42,1	49	4,0	DKR-G 1 1/4"
G 1 1/2"	48,1	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

für Innengewinde

## DKRI - SEAL EDGERINGS

for internal threads



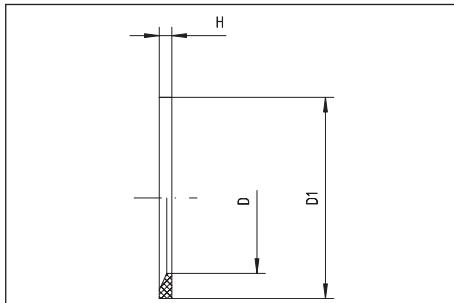
Gewinde Thread	ca. Maße approx. dimensions			Bestellzeichen Order-Code
	D	D1	H	
G 1/4"	6	11,3	4,5	DKRi-G 1/4"
G 3/8"				DKRi-G 3/8"
G 1/2"	12	18,5	5,0	DKRi-G 1/2"
M 18 x 1,5				DKRi-M 18x1,5
M 20 x 1,5	12	17,5	5,0	DKRi-M 20x1,5

## 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



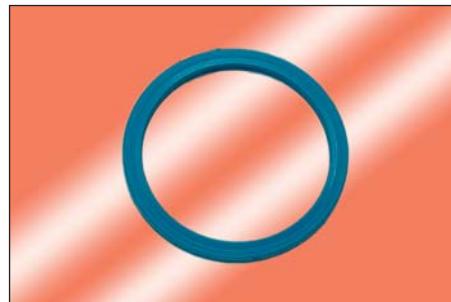
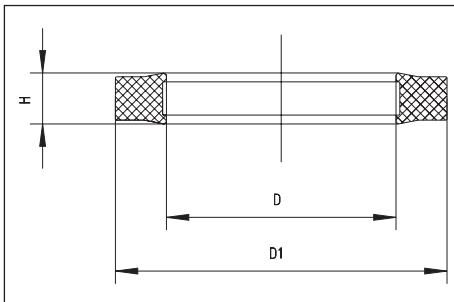
Gewinde Thread		ca. Maße approx. dimensions				Bestellzeichen Order-Code
		D	D1	H		
M 10 x 1	R 1/8"	8,4	11,9	1,0		WD 10x1/1/8"
M 12 x 1,5		9,8	14,4	1,5		WD 12x1,5
M 14 x 1,5	R 1/4"	11,6	16,5	1,5		WD 14x1,5/1/4"
M 16 x 1,5		13,8	18,9	1,5		WD 16x1,5
	R 3/8"	14,7	18,9	1,5		WD 3/8"
M 18 x 1,5		15,7	20,9	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 Polyurethan  
-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"

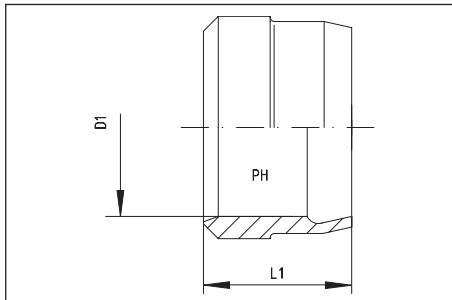
# ZWEIKANTEN-SCHNEIDRinge



# DOUBLE-BITE CUTTING RINGS

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

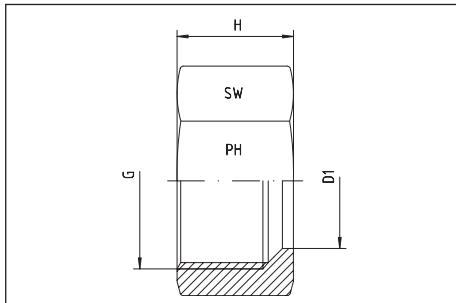
# ÜBERWURFMUTTERN



# NUTS

DIN 3870 + DIN EN ISO 8434-1  
für Schnedringanschluss

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
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



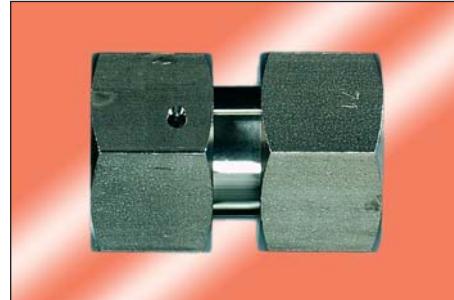
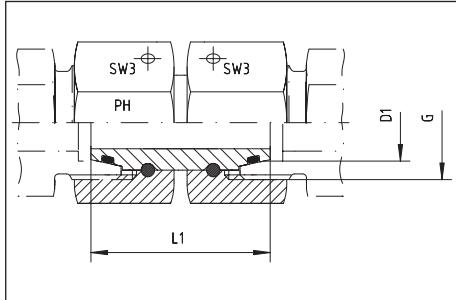
# GERADE VERSCHRAUBUNGEN



# SWIVEL UNIONS

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 L1 SW3		Bestellzeichen Order-Code
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



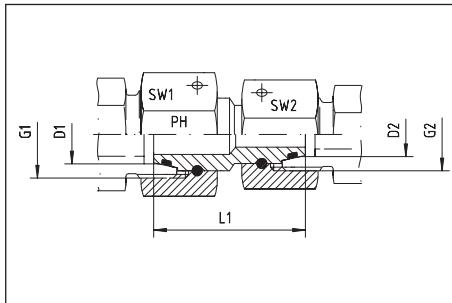
# STRAIGHT REDUCERS

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	36,0	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	33,0	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	37,5	22	17	GVR-DKO-12-L/08-L
L	315	12	10	M 18 x 1,5	M 16 x 1,5	36,5	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	42,0	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	44,0	32	22	GVR-DKO-18-L/12-L
L	315	18	15	M 26 x 1,5	M 22 x 1,5	43,0	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	46,5	50	41	GVR-DKO-35-L/28-L
L	160	42	22	M 52 x 2	M 30 x 2	47,0	60	36	GVR-DKO-42-L/22-L
L	160	42	28	M 52 x 2	M 36 x 2	47,5	60	41	GVR-DKO-42-L/28-L
L	160	42	35	M 52 x 2	M 45 x 2	52,0	60	50	GVR-DKO-42-L/35-L
S	630	8	6	M 16 x 1,5	M 14 x 1,5	35,5	19	17	GVR-DKO-08-S/06-S
S	630	10	6	M 18 x 1,5	M 14 x 1,5	35,5	22	17	GVR-DKO-10-S/06-S
S	630	10	8	M 18 x 1,5	M 16 x 1,5	37,0	22	19	GVR-DKO-10-S/08-S
S	630	12	6	M 20 x 1,5	M 14 x 1,5	36,0	24	17	GVR-DKO-12-S/06-S
S	630	12	8	M 20 x 1,5	M 16 x 1,5	37,5	24	19	GVR-DKO-12-S/08-S
S	630	12	10	M 20 x 1,5	M 18 x 1,5	37,5	24	22	GVR-DKO-12-S/10-S
S	400	16	10	M 24 x 1,5	M 18 x 1,5	37,5	30	22	GVR-DKO-16-S/10-S
S	400	16	12	M 24 x 1,5	M 20 x 1,5	38,0	30	24	GVR-DKO-16-S/12-S
S	400	16	14	M 24 x 1,5	M 22 x 1,5	47,0	30	27	GVR-DKO-16-S/14-S
S	400	20	12	M 30 x 2	M 20 x 1,5	43,0	36	24	GVR-DKO-20-S/12-S
S	400	20	16	M 30 x 2	M 24 x 1,5	43,0	36	30	GVR-DKO-20-S/16-S
S	400	25	16	M 36 x 2	M 24 x 1,5	46,0	46	30	GVR-DKO-25-S/16-S
S	400	25	20	M 36 x 2	M 30 x 2	52,0	46	36	GVR-DKO-25-S/20-S
S	400	30	16	M 42 x 2	M 24 x 1,5	46,0	50	30	GVR-DKO-30-S/16-S
S	400	30	20	M 42 x 2	M 30 x 2	52,0	50	36	GVR-DKO-30-S/20-S
S	400	30	25	M 42 x 2	M 36 x 2	52,0	50	46	GVR-DKO-30-S/25-S
S	315	38	20	M 52 x 2	M 30 x 2	52,0	60	36	GVR-DKO-38-S/20-S
S	315	38	25	M 52 x 2	M 36 x 2	53,0	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



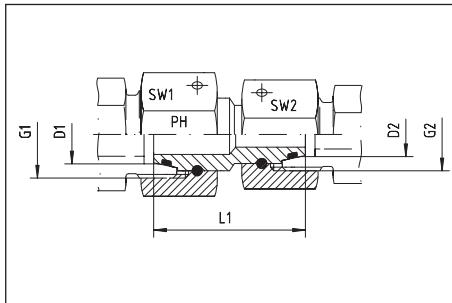
# STRAIGHT REDUCERS

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	10	M 18 x 1,5	M 18 x 1,5	37,5	22	22	GVR-DKO-12-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	15	14	M 22 x 1,5	M 22 x 1,5	44,5	27	27	GVR-DKO-15-L/14-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	53,0	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	10	08	M 18 x 1,5	M 14 x 1,5	33,0	22	17	GVR-DKO-10-S/08-L
S / L	315	12	08	M 20 x 1,5	M 14 x 1,5	37,5	24	17	GVR-DKO-12-S/08-L
S / L	315	12	10	M 20 x 1,5	M 16 x 1,5	36,0	24	19	GVR-DKO-12-S/10-L
S / L	315	16	10	M 24 x 1,5	M 16 x 1,5	30	19		GVR-DKO-16-S/10-L
S / L	315	16	12	M 24 x 1,5	M 18 x 1,5	30	22		GVR-DKO-16-S/12-L
S / L	315	16	15	M 24 x 1,5	M 22 x 1,5	38,5	30	27	GVR-DKO-16-S/15-L
S / L	315	20	18	M 30 x 2	M 26 x 1,5	43,0	36	32	GVR-DKO-20-S/18-L
S / L	160	25	22	M 36 x 2	M 30 x 2	46,0	46	36	GVR-DKO-25-S/22-L
S / L	160	30	28	M 42 x 2	M 36 x 2	49,5	50	41	GVR-DKO-30-S/28-L
S / L	160	38	35	M 52 x 2	M 45 x 2	53,0	60	50	GVR-DKO-38-S/35-L

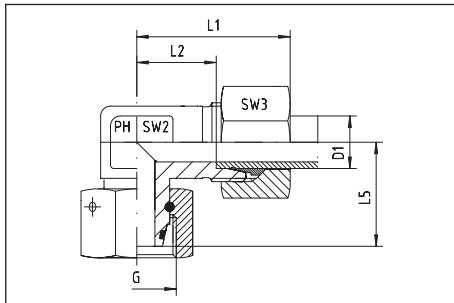
# EW - VERSCHRAUBUNGEN



# ADJUSTABLE STUD ELBOWS

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

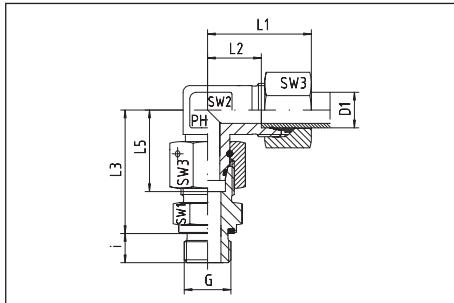
# EW - VERSCHRAUBUNGEN



# ADJUSTABLE STUD ELBOWS

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

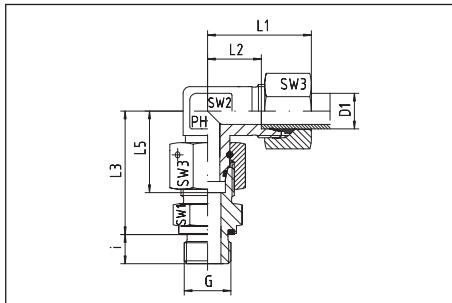
# EW - VERSCHRAUBUNGEN



# ADJUSTABLE STUD ELBOWS

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

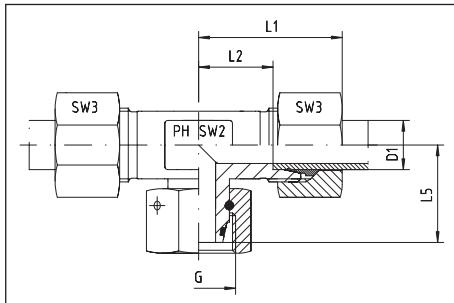
# ET - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BRANCH TEES

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

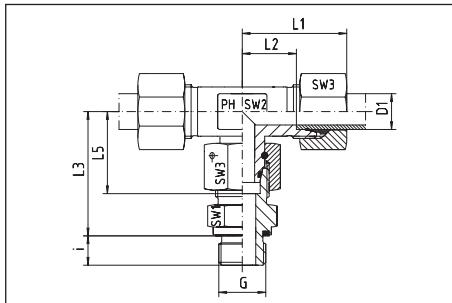
# ET - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BRANCH TEES

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

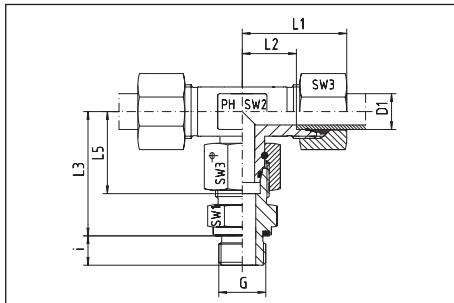
# ET - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BRANCH TEES

Einstellbare T-Verschraubungen  
mit Dichtkegel und O-Ring - Viton  
rohrseitig Schneiderringanschluss  
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	59,0	41,5	18	41	36	41	ET-DKOL-28-G 1"-wd
L	160	35	G 1 1/4"	56	34,5	68,5	51,0	20	50	41	50	ET-DKOL-35-G 1 1/4"-wd
L	160	42	G 1 1/2"	63	40,0	75,0	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

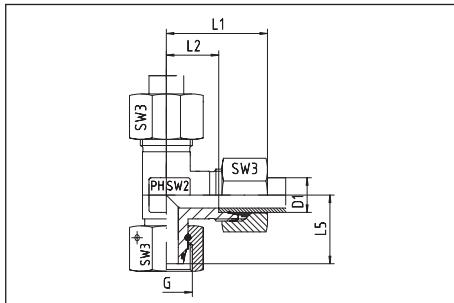
# EL - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BARREL TEES

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

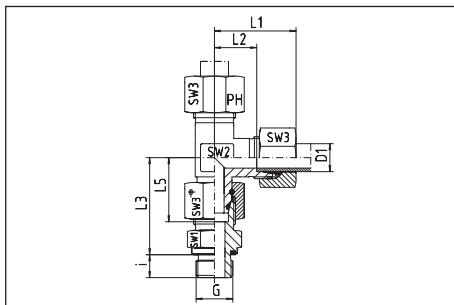
# EL - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BARREL TEES

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

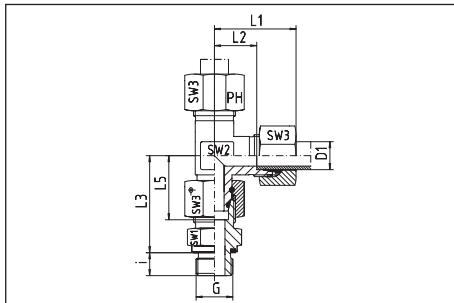
# EL - VERSCHRAUBUNGEN



# ADJUSTABLE STUD BARREL TEES

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

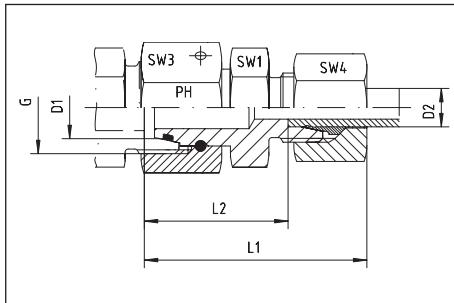
# REDUZIER-VERSCHRAUBUNGEN



# REDUCING COUPLINGS

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

andere Abmessungen auf Anfrage  
other dimensions on request

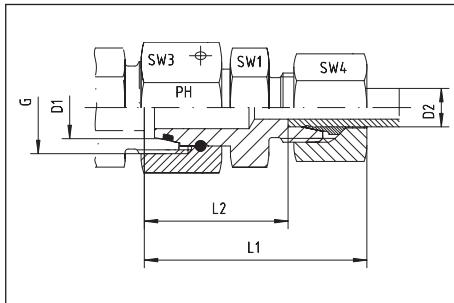
# REDUZIER-VERSCHRAUBUNGEN



# REDUCING COUPLINGS

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	19	17	RED-DKOS-08/06
S	630	10	6	M 18 x 1,5	42	27,5	17	22	17	RED-DKOS-10/06
S	630	10	8	M 18 x 1,5	42	27,5	17	22	19	RED-DKOS-10/08
S	630	12	6	M 20 x 1,5	44	29,0	17	24	17	RED-DKOS-12/06
S	630	12	8	M 20 x 1,5	44	29,0	17	24	19	RED-DKOS-12/08
S	630	12	10	M 20 x 1,5	46	29,5	19	24	22	RED-DKOS-12/10
S	630	14	6	M 22 x 1,5	46	31,5	19	27	17	RED-DKOS-14/06
S	630	14	8	M 22 x 1,5	46	31,5	19	27	19	RED-DKOS-14/08
S	630	14	10	M 22 x 1,5	47	31,0	19	27	22	RED-DKOS-14/10
S	630	14	12	M 22 x 1,5	47	31,0	22	27	24	RED-DKOS-14/12
S	400	16	6	M 24 x 1,5	47	32,0	22	30	17	RED-DKOS-16/06
S	400	16	8	M 24 x 1,5	47	32,0	22	30	19	RED-DKOS-16/08
S	400	16	10	M 24 x 1,5	48	31,5	22	30	22	RED-DKOS-16/10
S	400	16	12	M 24 x 1,5	48	31,5	22	30	24	RED-DKOS-16/12
S	400	16	14	M 24 x 1,5	51	33,0	22	30	27	RED-DKOS-16/14
S	400	20	6	M 30 x 2	51	36,0	27	36	17	RED-DKOS-20/06
S	400	20	8	M 30 x 2	51	36,0	27	36	19	RED-DKOS-20/08
S	400	20	10	M 30 x 2	52	35,5	27	36	22	RED-DKOS-20/10
S	400	20	12	M 30 x 2	52	35,5	27	36	24	RED-DKOS-20/12
S	400	20	14	M 30 x 2	55	37,0	27	36	27	RED-DKOS-20/14
S	400	20	16	M 30 x 2	55	36,5	27	36	30	RED-DKOS-20/16
S	400	25	6	M 36 x 2	53	38,5	32	41	17	RED-DKOS-25/06
S	400	25	8	M 36 x 2	53	38,5	32	41	19	RED-DKOS-25/08
S	400	25	10	M 36 x 2	54	38,0	32	41	22	RED-DKOS-25/10
S	400	25	12	M 36 x 2	54	38,0	32	41	24	RED-DKOS-25/12
S	400	25	14	M 36 x 2	57	39,5	32	41	27	RED-DKOS-25/14
S	400	25	16	M 36 x 2	57	39,0	32	41	30	RED-DKOS-25/16
S	400	25	20	M 36 x 2	61	39,0	32	41	36	RED-DKOS-25/20
S	400	30	6	M 42 x 2	59	44,0	41	50	17	RED-DKOS-30/06
S	400	30	8	M 42 x 2	59	44,0	41	50	19	RED-DKOS-30/08
S	400	30	10	M 42 x 2	60	43,5	41	50	22	RED-DKOS-30/10
S	400	30	12	M 42 x 2	60	43,5	41	50	24	RED-DKOS-30/12
S	400	30	14	M 42 x 2	63	45,0	41	50	27	RED-DKOS-30/14
S	400	30	16	M 42 x 2	63	44,5	41	50	30	RED-DKOS-30/16
S	400	30	20	M 42 x 2	66	44,5	41	50	36	RED-DKOS-30/20
S	400	30	25	M 42 x 2	69	45,0	41	50	46	RED-DKOS-30/25
S	315	38	6	M 52 x 2	63	47,0	50	60	17	RED-DKOS-38/06
S	315	38	8	M 52 x 2	63	47,0	50	60	19	RED-DKOS-38/08
S	315	38	10	M 52 x 2	63	47,0	50	60	22	RED-DKOS-38/10
S	315	38	12	M 52 x 2	63	47,0	50	60	24	RED-DKOS-38/12
S	315	38	14	M 52 x 2	66	48,5	50	60	27	RED-DKOS-38/14
S	315	38	16	M 52 x 2	66	48,0	50	60	30	RED-DKOS-38/16
S	315	38	20	M 52 x 2	70	48,0	50	60	36	RED-DKOS-38/20
S	315	38	25	M 52 x 2	73	48,5	50	60	46	RED-DKOS-38/25
S	315	38	30	M 52 x 2	76	49,0	50	60	50	RED-DKOS-38/30

andere Abmessungen auf Anfrage  
other dimensions on request

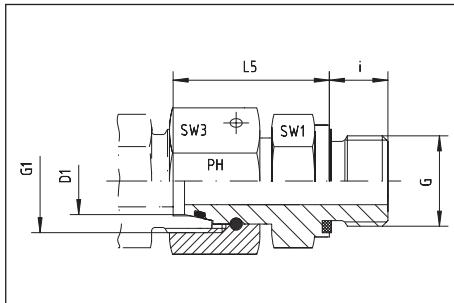
# GERADE EINSCHRAUBSTUTZEN



# 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

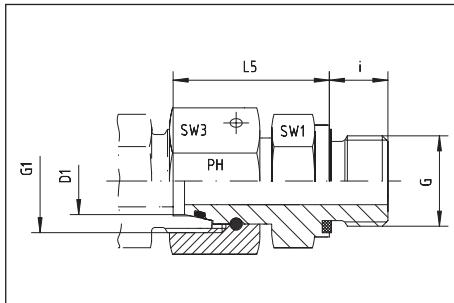
# GERADE EINSCHRAUBSTUTZEN



# EGE-DKO - SWIVEL CONNECTORS

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 1/8"	M 14 x 1,5	25,5	8	14	17	EGE-DKOL-08-G 1/8" 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	29,5	12	22	17	EGE-DKOL-08-G 3/8" wd
L	315	10	G 1/8"	M 16 x 1,5	25,5	8	14	19	EGE-DKOL-10-G 1/8" 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	48,0	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	51,0	18	41	36	EGE-DKOL-22-G 1" wd
L	160	28	G 3/4"	M 36 x 2	35,0	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	42,0	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	55,0	18	41	36	EGE-DKOS-20-G 1" wd
S	400	25	G 3/4"	M 36 x 2	58,0	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

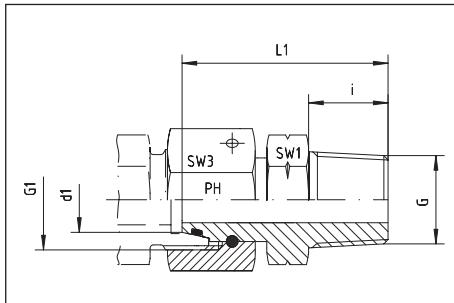
# GERADE EINSCHRAUBSTUTZEN



# 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	32,0	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	42,5	15,0	14	17	EGE-DKOL-08-NPT 1/4"
L	315	10	1/4" NPT	M 16 x 1,5	42,5	15,0	14	19	EGE-DKOL-10-NPT 1/4"
L	315	10	3/8" NPT	M 16 x 1,5	43,0	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	40,0	15,3	19	22	EGE-DKOL-12-NPT 3/8"
L	315	12	1/2" NPT	M 18 x 1,5	47,0	20,0	22	22	EGE-DKOL-12-NPT 1/2"
L	315	15	1/2" NPT	M 22 x 1,5	49,0	20,0	22	27	EGE-DKOL-15-NPT 1/2"
L	315	18	1/2" NPT	M 26 x 1,5	49,0	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	50,0	20,0	27	36	EGE-DKOL-22-NPT 3/4"
L	160	28	1" NPT	M 36 x 2	61,0	25,0	36	41	EGE-DKOL-28-NPT 1"
L	160	35	1 1/4" NPT	M 45 x 2	60,5	25,5	46	50	EGE-DKOL-35-NPT 1 1/4"
L	160	42	1 1/2" NPT	M 52 x 2	63,0	26,0	50	60	EGE-DKOL-42-NPT 1 1/2"
S	630	6	1/4" NPT	M 14 x 1,5	38,0	15,0	14	17	EGE-DKOS-06-NPT 1/4"
S	630	8	1/4" NPT	M 16 x 1,5	39,0	15,0	14	19	EGE-DKOS-08-NPT 1/4"
S	630	10	3/8" NPT	M 18 x 1,5	40,0	15,3	19	22	EGE-DKOS-10-NPT 3/8"
S	630	12	1/4" NPT	M 20 x 1,5	41,5	15,0	17	24	EGE-DKOS-12-NPT 1/4"
S	630	12	3/8" NPT	M 20 x 1,5	41,5	15,3	19	24	EGE-DKOS-12-NPT 3/8"
S	630	12	1/2" NPT	M 20 x 1,5	48,0	20,0	22	24	EGE-DKOS-12-NPT 1/2"
S	630	14	1/2" NPT	M 22 x 1,5	48,0	20,0	22	27	EGE-DKOS-14-NPT 1/2"
S	400	16	3/8" NPT	M 24 x 1,5	45,0	15,3	22	30	EGE-DKOS-16-NPT 3/8"
S	400	16	1/2" NPT	M 24 x 1,5	49,0	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	52,0	20,0	27	36	EGE-DKOS-20-NPT 3/4"
S	400	25	1" NPT	M 36 x 2	66,0	25,0	36	46	EGE-DKOS-25-NPT 1"
S	400	30	1 1/4" NPT	M 42 x 2	65,5	25,5	46	50	EGE-DKOS-30-NPT 1 1/4"
S	315	38	1 1/2" NPT	M 52 x 2	66,0	26,0	50	60	EGE-DKOS-38-NPT 1 1/2"

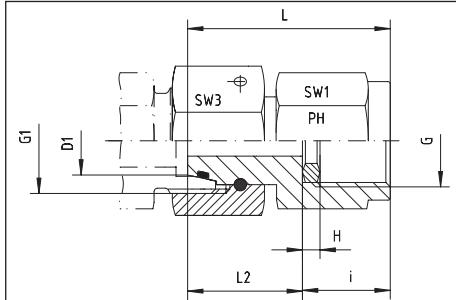
# MVE-VERSCHRAUBUNGEN



# GAUGE SWIVEL CONNECTORS

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

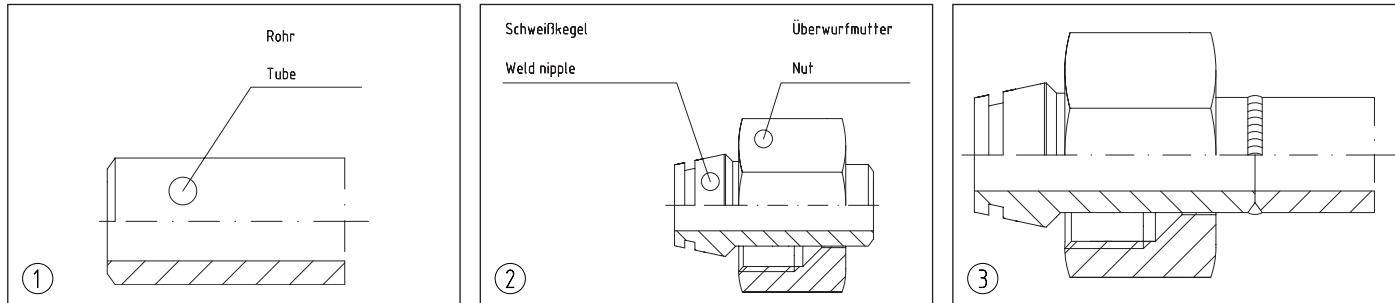


Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D. D1	Gewinde Thread		ca. Maße approx. dimensions					Bestellzeichen Order-Code
			G	G1	L	i	H	SW1	SW3	
L	315	6	1/4"	M 12 x 1,5	35,5	14,5	4,5	19	14	MVE-DKOL-06-G 1/4"
L	315	8	1/4"	M 14 x 1,5	35,5	14,5	4,5	19	17	MVE-DKOL-08-G 1/4"
L	315	10	1/4"	M 16 x 1,5	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	37,5	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-COUPINGS WITH O-RING

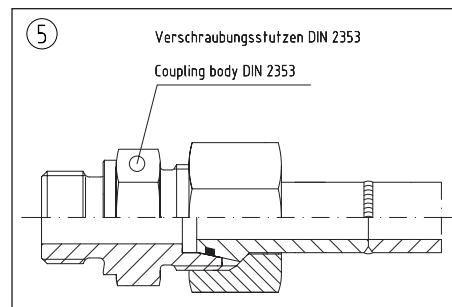
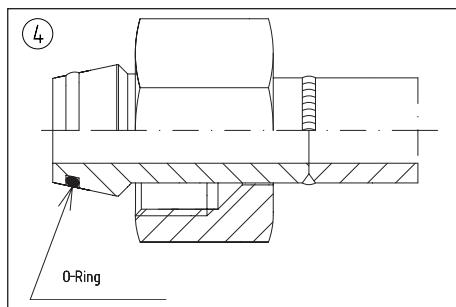
MONTAGEANLEITUNG - SCHWEISSKEGEL-VERSCHRAUBUNGEN	ASSEMBLY INSTRUCTIONS - WELD NIPPLE COUPLINGS	10.3
ESV - SCHOTT-VERSCHRAUBUNGEN	ESV - BULKHEAD COUPLINGS	10.4
ASV - GERADE VERSCHRAUBUNGEN	ASV - COUPLINGS	10.5
WAS - WINKEL-VERSCHRAUBUNGEN	WAS - COUPLINGS	10.6
GERADE SCHWEISSKEGEL-VERSCHRAUBUNGEN	WELDING 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 anfassen 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.

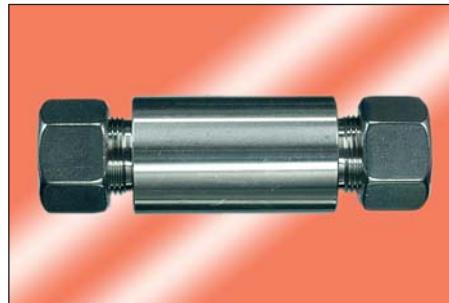
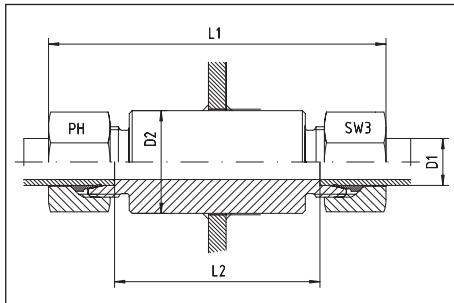
5. Überwurfmutter von Hand auf den Stutzen schrauben, dann mit dem Schlüssel ca. 1/4 - 1/3 Umdrehung anziehen. Das Rohr mit angeschweißtem Kegel muss spannungsfrei verschraubt und verlegt werden.

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

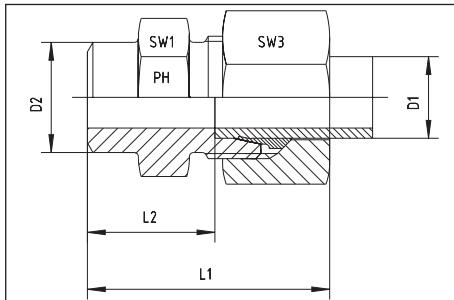
Welding bulkhead connections



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.	D1	D2	ca. Maße approx. dimensions	L1	L2	SW3		Bestellzeichen Order-Code
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

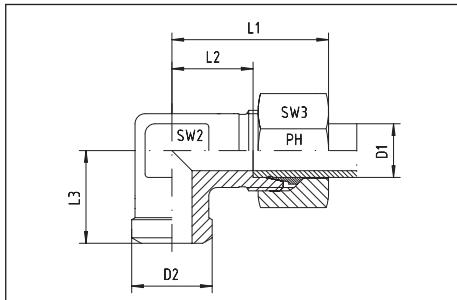
# WAS - VERSCHRAUBUNGEN



# WAS - COUPLINGS

Winkel-Anschweißverschraubungen

Elbow-welding-couplings



Reihe Series	Druck Pressure PN	Rohr A.D. Tube O.D.	D1	D2	L1	L2	L3	ca. Maße approx. dimensions SW2	SW3	Bestellzeichen Order-Code
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

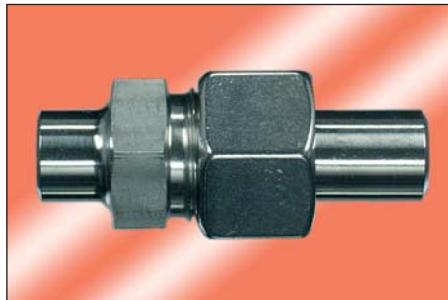
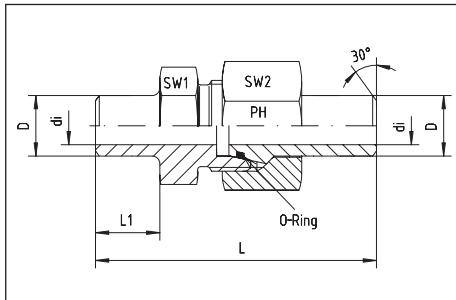
# SCHWEISSKEGEL- VERSCHRAUBUNGEN



## 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
S	528	6 x 1,5		L	L1	D	di	SW1	SW3	ASV K 6x1,5
S	414	8 x 1,5				8	5	17	19	ASV K 8x1,5
S	528	8 x 2				8	4	17	19	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
L	323	15 x 2	54,5	15,0	15	11	22	27	12,0 x 2,0	ASV K 15x2
L	315	18 x 2	57,5	16,0	18	14	27	32	15,0 x 2,0	ASV K 18x2
L	280	22 x 2,5	74,0	19,0	22	17	32	36	20,0 x 2,0	ASV K 22x2,5
L	265	28 x 3	78,0	19,0	28	22	41	41	26,0 x 2,0	ASV K 28x3
L	231	35 x 3	87,5	22,0	35	29	46	50	32,0 x 2,5	ASV K 35x3
L	182	42 x 3	87,0	22,0	42	36	55	60	38,0 x 2,5	ASV K 42x3

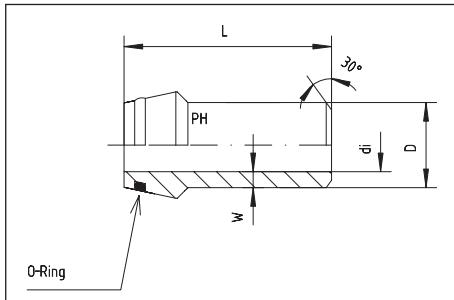
# SCHWEISSNIPPEL



# WELDING NIPPLES

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	415	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	270	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	225	18 x 1,5	15 37,0	15,0 x 2,0	SKV 18x1,5
L	300	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	245	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	328	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	193	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	154	35 x 2	31 47,0	32,0 x 2,5	SKV 35x2
L	193	35 x 2,5	30 47,0	32,0 x 2,5	SKV 35x2,5
L	231	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	129	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

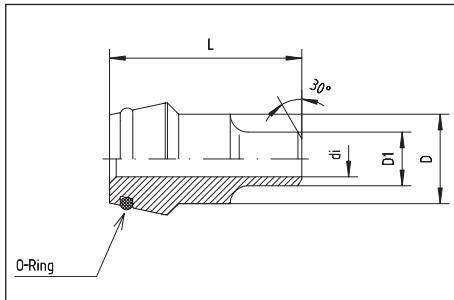
# SCHWEISSNIPPEL-REDUZIERUNGEN



# WELDING NIPPLE REDUCINGS

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

# SCHWEISSNIPPEL-ROHRBÖGEN



# WELDING NIPPLE ELBOWS

90°

Abdichtung - NBR

Auf Anfrage: Viton

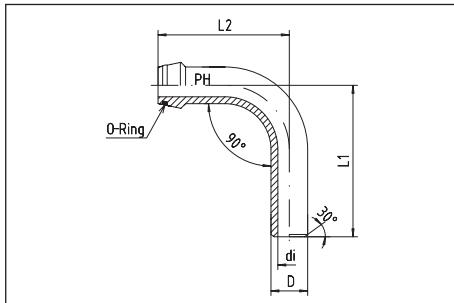
Passend in 24°-Innenkonus (Bohrungsform W DIN 3861)

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
S	460	10 x 2	10	6	49	51	7,5 x 1,5		SKV-RB-10x2
S	393	12 x 2	12	8	50	51	9,0 x 1,5		SKV-RB-12x2
S	476	12 x 2,5	12	7	50	51	9,0 x 1,5		SKV-RB-12x2,5
S	305	16 x 2	16	12	72	67	12,0 x 2,0		SKV-RB-16x2
S	372	16 x 2,5	16	11	72	67	12,0 x 2,0		SKV-RB-16x2,5
S	435	16 x 3	16	10	72	67	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
L		22 x 3	22	16	79	85	19,0 x 2,0		SKV-RB-22x3
S	294	25 x 3	25	19	93	89	20,3 x 2,4		SKV-RB-25x3
S	379	25 x 4	25	17	93	89	20,3 x 2,4		SKV-RB-25x4
S	460	25 x 5	25	15	93	89	20,3 x 2,4		SKV-RB-25x5
S	323	30 x 4	30	22	112	105	25,3 x 2,4		SKV-RB-30x4
S	393	30 x 5	30	20	112	105	25,3 x 2,4		SKV-RB-30x5
S	460	30 x 6	30	18	112	105	25,3 x 2,4		SKV-RB-30x6
S	261	38 x 4	38	30	145	137	33,3 x 2,4		SKV-RB-38x4
S	319	38 x 5	38	28	145	137	33,3 x 2,4		SKV-RB-38x5
S	375	38 x 6	38	26	145	137	33,3 x 2,4		SKV-RB-38x6
S	429	38 x 7	38	24	145	137	33,3 x 2,4		SKV-RB-38x7

## **WINKEL-DREHVERSCHRAUBUNGEN ELBOW-ROTARY-COUPINGS**

DREH - VERSCHRAUBUNGEN - ANWENDUNG  
DREH - VERSCHRAUBUNGEN

ROTARY - COUPLINGS - APPLICATION  
ROTARY - COUPLINGS

11.3  
11.4



**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.

Die Drehverschraubungen sind nur für schmierende Medien geeignet.

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.

These rotary couplings are only useable for lubricating media.

Temperature: -15°C to +100°C

Other connections and sealing combinations on request.

# DREH - VERSCHRAUBUNGEN



# ROTARY - COUPLINGS

Winkel-Drehverschraubungen

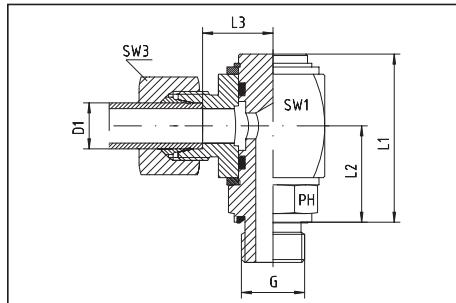
Einschraubgewinde G: Whitworth-Rohrgewinde - zylindrisch

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"	47,0	26,5	16,5	27	14	DGWE-L-06-G 1/8"-wd
L	250	6	1/4"	47,5	26,5	16,5	27	14	DGWE-L-06-G 1/4"-wd
L	250	6	3/8"	47,5	26,5	16,5	27	14	DGWE-L-06-G 3/8"-wd
L	250	8	1/4"	47,5	26,5	16,5	27	17	DGWE-L-08-G 1/4"-wd
L	250	8	3/8"	47,5	26,5	16,5	27	17	DGWE-L-08-G 3/8"-wd
L	250	10	1/4"	47,5	26,5	17,5	27	19	DGWE-L-10-G 1/4"-wd
L	250	10	3/8"	47,5	26,5	17,5	27	19	DGWE-L-10-G 3/8"-wd
L	250	12	1/4"	47,5	26,5	17,5	27	22	DGWE-L-12-G 1/4"-wd
L	250	12	3/8"	47,5	26,5	17,5	27	22	DGWE-L-12-G 3/8"-wd
L	250	12	1/2"	58,5	33,5	23,0	36	22	DGWE-L-12-G 1/2"-wd
L	250	15	1/2"	58,5	33,5	24,0	36	27	DGWE-L-15-G 1/2"-wd
L	160	18	1/2"	58,5	33,5	23,5	36	32	DGWE-L-18-G 1/2"-wd
L	160	22	3/4"	66,0	38,0	27,5	41	36	DGWE-L-22-G 3/4"-wd
L	100	28	1"	72,0	42,5	29,5	46	41	DGWE-L-28-G 1"-wd
L	100	35	1 1/4"					50	DGWE-L-35-G 1 1/4"-wd
L	100	42	1 1/2"					60	DGWE-L-42-G 1 1/2"-wd
S	400	6	1/4"	47,5	26,5	18,5	27	17	DGWE-S-06-G 1/4"-wd
S	400	6	3/8"	47,5	26,5	18,5	27	17	DGWE-S-06-G 3/8"-wd
S	400	8	1/4"	47,5	26,5	18,5	27	19	DGWE-S-08-G 1/4"-wd
S	400	8	3/8"	47,5	26,5	18,5	27	19	DGWE-S-08-G 3/8"-wd
S	400	10	1/4"	47,5	26,5	18,0	27	22	DGWE-S-10-G 1/4"-wd
S	400	10	3/8"	47,5	26,5	18,0	27	22	DGWE-S-10-G 3/8"-wd
S	400	12	3/8"	47,5	26,5	18,0	27	24	DGWE-S-12-G 3/8"-wd
S	400	14	1/2"	58,5	33,5	25,0	36	27	DGWE-S-14-G 1/2"-wd
S	400	16	1/2"	58,5	33,5	24,5	36	30	DGWE-S-16-G 1/2"-wd
S	250	20	3/4"	66,0	38,0	26,5	41	36	DGWE-S-20-G 3/4"-wd
S	250	25	1"	72,0	42,5	29,0	46	46	DGWE-S-25-G 1"-wd
S	250	30	1 1/4"					50	DGWE-S-30-G 1 1/4"-wd
S	250	38	1 1/2"					60	DGWE-S-38-G 1 1/2"-wd

## **VORMONTAGESTUTZEN UND SCHMIERSTOFFE PRE-INSTALLATION DIES AND LUBRICANTS**

**VORMONTAGESTUTZEN  
SCHMIERSTOFFE**

**PRE-INSTALLATION DIES  
LUBRICANTS**

**12.3  
12.4**

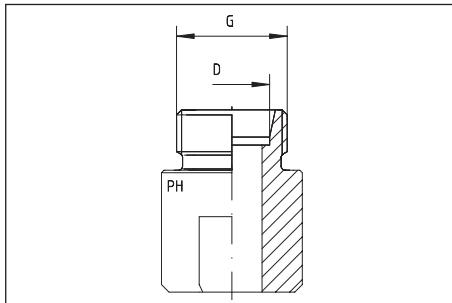


## VORMONTAGESTUTZEN

Stahl - gehärtet  
Für Montage von Hand

## PRE-INSTALLATION DIES

Steel - hardened  
For assembly by hand



Reihe Series	Rohr A.D. Tube O.D. D	Gewinde Thread 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

## SCHMIERSTOFFE

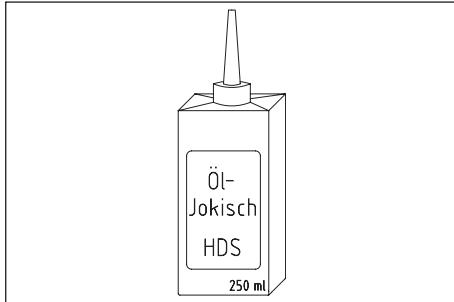
## LUBRICANTS

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

Bestellzeichen  
Order-Code  
Öl-HDS 250 ml



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



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

Bestellzeichen  
Order-Code  
Gleitmo 810

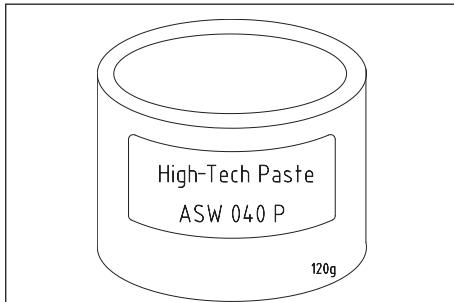


White grease paste - Gleitmo 810 á 50 g  
-25°C to +80°C



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

Bestellzeichen  
Order-Code  
ASW 040P-120 g

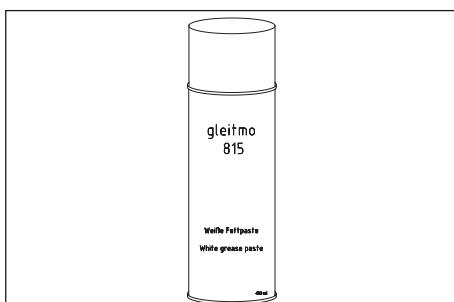


High-Tech grease paste ASW 040 P á 120 g - metal free  
-40°C to +1400°C



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

Bestellzeichen  
Order-Code  
Gleitmo 815



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



# **NOTIZEN / NOTES**

# NOTIZEN / NOTES

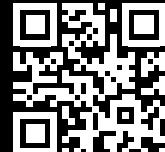
# NOTIZEN / NOTES



- HYDRAULICS
- HOSES
- VALVES
- PNEUMATICS
- FILTRATION
- MEASUREMENT AND CONTROL

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## HYDRAULIC AND PNEUMATIC SOLUTIONS