



**Dk-Lok<sup>®</sup>**  
Tube Fittings

Katalog zawiera kompleksową ofertę dwupierścieniowych złączy procesowych oraz rur, stosowanych powszechnie w stacjach AKPiA w branży chemicznej, petrochemicznej, gazowniczej oraz innych wymagających najwyższej jakości połączeń.

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# Informacje techniczne

## Wprowadzenie

Złącza Dk-Lok do rur zostały zaprojektowane zgodnie z przemysłową specyfikacją dla złączy dwupierścieniowych do zastosowań w aplikacjach o najwyższych wymaganiach np. branży chemicznej, petrochemicznej, energetycznej, produkcji pulpy i papieru oraz wielu innych. Zapewniają one doskonałą szczelność, niezawodność oraz uszczelnienie bez zbędnych naprężeń.

Złącza DK-LOK mogą być z powodzeniem stosowane w aplikacjach gdzie występuje zarówno : wysokie ciśnienie, podciśnienie, ciśnienie skokowe, tzw. „termiczny szok” – (szeroki zakres skoków temperatury pracy), wysokie vibracje oraz w aplikacjach, które stawiają bardzo rygorystyczne wymagania dotyczące szczelności i odporności na różne agresywne media.

Złącza Dk-Lok są powszechnie stosowane w tzw. instrumentation, w układach kontroli procesów i wszędzie tam gdzie wymagana jest wysoka jakość połączeń rur.

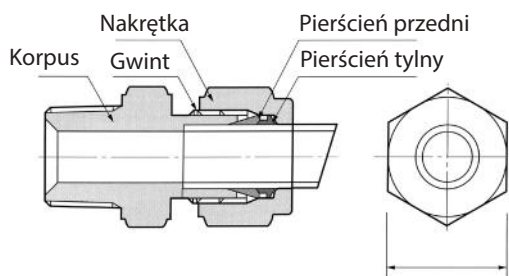
Korpus, nakrętka, przedni i tylny pierścień sytemu Dk-Lok są produkowane pod ścisłą kontrolą tolerancji wymiarów i monitorowane w sposób ciągły poprzez Statystyczny Proces Kontroli produkcji jak również są znakowane kodem.

## Konstrukcja złączy Dk-Lok

Złącza DK-LOK składają się z: korpusu, pierścienia przedniego, pierścienia tylnego i nakrętki.

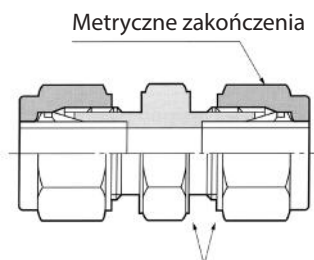
Cechy:

- bardzo szeroki zakres średnic rur do 2 cali oraz 38 mm
- wielokrotna możliwość zaciskania pierścienia przy zachowaniu wysokiej szczelności połączenia
- sprawdzalność poprawności montażu
- bardzo wysoka szczelność połączenia w warunkach wysokich vibracji, podciśnienia oraz skoków ciśnienia
- system identyfikowalności produktu
- instalacja złącza (zaciskania pierścienia) nie powoduje obracania się rury



## Identyfikacja metrycznych złączy DK-LOK

Metryczne złącza DK-LOK mają dodatkowy uskok na sześciokącie korpusu i nakrętki. Nie występuje on w przypadku korpusów złączy odlewanych np. kolanka, trójniki i czwórnik.



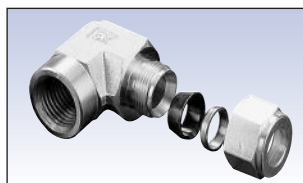
Uskok na sześciokącie korpusu złącza i nakrętki

## Materiały

Złącza DK-LOK są wykonywane z szerokiej gamy materiałów wykorzystywanych w różnych dziedzinach przemysłu takich jak: wydobywanie ropy i gazu ziemnego, rafinerie, przemysł chemiczny, przemysł petrochemiczny, procesy analityczne, przemysł hutniczy, elektrownie jądrowe, instalacje na statkach, przemysł farmaceutyczny, paliwa alternatywne.

Tabela 1

| Materiał              | Z pręta                                                                      | Odlew                                          |
|-----------------------|------------------------------------------------------------------------------|------------------------------------------------|
| Stal kwasoodporna 316 | ASTM A276 Type 316<br>ASTM A479 Type 316<br>ASME SA479 Type 316<br>JIS G4303 | ASTM A182<br>ASME SA182<br>JIS G3214           |
| Mosiądz               | ASTM B16 UNS C36000<br>ASTM B453 UNS C3530<br>JIS H3250 Alloy C3604          | ASTM B283 Alloy 37700<br>JIS H3250 Alloy C3771 |
| Stal węglowa          | ASTM A108<br>JIS G4051 S20C - S48C                                           | ASTM A105<br>JIS G4051 S20C - S48C             |
| Duplex                | ASTM A276 S31803<br>ASTM A479 S31803                                         | ASTM A182 F51                                  |
| Super Duplex          | ASTM A479 S32750                                                             | ASTM A182 F51                                  |
| Aluminum              | ASTM B211 Alloy 024 T6                                                       | ASTM B247                                      |
| Alloy 20              | ASTM B473 UNS N08020                                                         | ASTM B462 UNS N08020                           |
| Hastelloy C276        | ASTM B574 UNS N10276                                                         | ASTM B564 UNS N10276                           |
| Alloy 400             | ASTM B164 UNS N04400                                                         | ASTM B564 UNS N04400                           |
| Alloy 600             | ASTM B166 UNS N06600                                                         | ASTM B564 UNS N06600                           |
| Alloy 625             | ASTM B446 UNS N06625                                                         | ASTM B564 UNS N06625                           |
| Alloy 825             | ASTM B425 UNS N08825                                                         | ASTM B564 UNS N08825                           |
| Tytan Gr.2            | ASTM B348 Gr.2                                                               | ASTM B381 F3                                   |
| PTFE                  | ASTM D1710                                                                   | ASTM D3293                                     |



## Złącza ze stali węglowej

Złącza stalowe są cynkowane na biało tzw. „białe cynkowanie”. Każde złącze stalowe ma tylny pierścień wykonany ze stali nierdzewnej AISI316.

## Proces oczyszczania złączy DK-LOK

Każde złącze DK-LOK jest oczyszczone z powierzchniowych zanieczyszczeń, metalowych cząstek i oleju z chłodziwa pozostałych po procesie obróbki oraz innych wolnych cząstek. Aby uzyskać dodatkowe informacje na temat procesu oczyszczania zapoznaj się z procedurą DC-01. Istnieje możliwość zamówienia produktów specjalnie oczyszczonych (odtłuszczonych) do zastosowań z tlenem. Szczegółowe informacje dotyczące specjalnego oczyszczania opisuje procedura DC-11.

## O-ring

Niektóre złącza DK-LOK wyposażone są w uszczelkę (O-ring). Dla złączy wykonanych z mosiądzu i stali węglowej stosuje się uszczelki wykonane z NBR o twardości 70 Shore, natomiast w złączach wykonanych ze stali nierdzewnej stosuje się uszczelki wykonane z FKM o twardości 90 Shore. Inne uszczelnienia dostępne są na specjalne zamówienie.

## Wymiary złączy

Wymiary złączy DK-LOK prezentowane w katalogu mają wartość przybliżoną i odnoszą się do pozycji nakrętki dokręconej ręcznie.

## Paliwa alternatywne

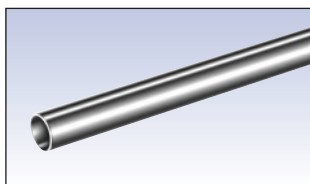
Złącza DK-LOK wykonane ze stali nierdzewnej AISI 316 i spełniają wymagania norm ECE R110, EIHP Draft, ECE R67 co potwierdza stosowny certyfikat wystawiony przez TÜV.

## Rury

Aby zapewnić prawidłową, bezpieczną i bezwyciekową pracę całej instalacji zbudowanej w oparciu o złącza DK-LOK, rury powinny być traktowane tak samo jak każde złącze tej instalacji.

- Złącza Dk-Lok są montowane na rurach przy użyciu zwykłego klucza płaskiego. Dzięki temu mamy niskie koszty montażu i koszty serwisowania.
- Rury instalowane razem ze złączami DK-LOK są wielokrotnego użytku.
- Rury mogą być gięte. Taki sposób kształtowania instalacji zapewnia niskie spadki ciśnienia przy jednoczesnym ograniczaniu ilości połączeń, a to z kolei redukuje koszt robocizny.
- Instalacja oparta na połączeniach gwintowanych i spawanych jest trudna w demontażu i ponownym montażu. Ponadto wymaga wysokich kwalifikacji pracowników wykonujących taką instalację.

Dobór rur  
Transport i składowanie rur



## Dobór rur

### Twardość

- Rury muszą być bardziej miękkie niż materiał z którego wykonane są złącza. Metale, z których wykonane są rury muszą być wyżarzane i powinny być dostosowane do gięcia i kielichowania.
- Twardość rur powinna być dobrana zgodnie z informacjami zawartymi w tabelach 2-13 znajdujących się w dalszej części katalogu.

### Powierzchnia

- Rury powinny mieć powierzchnię oczyszczoną, bez zarysowań, zabrudzeń, powierzchniowych przebarwień i spłaszczeń.

### Jakość

- Rury owalne mogą nie pasować do złączy. Nie używaj siły aby włożyć rurę do złącza. Może to spowodować uszkodzenie nakrętki, korpusu lub pierścieni i w efekcie mieć wpływ na szczelność złącza.

### Grubość ścianki

- Tabele 2 -13 określają ciśnienie robocze rur w zależności od materiału z jakiego są one wykonane jak również grubości ścianki. Zbyt cienka ścianka rury może się załamać podczas montażu złącza natomiast zbyt gruba ścianka może być przyczyną niewłaściwego zaciśnięcia się pierścieni na rurze a co za tym idzie niewłaściwego uszczelnienia złącza.
- Zaleca się używanie tylko tych wymiarów rur, które zostały wymienione w tabelach 2-13.

### Rury spawane

Rury spawane nie powinny mieć widocznych zgrubień na ich zewnętrznej średnicy.

## Transport i składowanie rur

Ostrożny transport i właściwe składowanie rur zabezpieczy je przed niepożądanymi zarysowaniami, wgnieceniami lub innymi uszkodzeniami powierzchni.

- końce rur powinny być zaślepienie aby niepożądane materiały nie wpadły do środka rury podczas transportu i składowania
- nie ciągnij rury po betonie, żwirze, i innych nierównych powierzchniach.
- nie używaj niewłaściwych przyrządów do cięcia rur. Użycie takich przyrządów może spowodować deformację końców rury.
- w przypadku przecinarki ręcznej nie tnij zbyt głęboko na jeden obrót
- piłka do metalu powinna mieć przynajmniej 32 zęby na cal i być wystarczająco ostra
- ograduj końce rury przed jej włożeniem do złącza

## Złącza DK-LOK - ciśnienie robocze

Ciśnienie robocze złączy DK-LOK odpowiada ciśnieniu roboczemu łączonej rury. Dopuszczalne ciśnienia robocze różnego rodzaju rur zostały przedstawione w tabelach 2 do 13.

## Materiał

Złącza i rury powinny być wykonane z tych samych materiałów. Jest to warunek konieczny do uzyskania szczelności instalacji. Każdy materiał ma różne właściwości fizyczne i użycie dwóch różnych materiałów na złącza i rury może mieć wpływ na szczelność połączenia. Jedynym wyjątkiem jest użycie miedzianych rur z mosiężnymi złączami DK-LOK.

## Aplikacje gazowe

Złącza DK-LOK zostały zaprojektowane do szerokiej gamy aplikacji w tym aplikacji gazowych i podciśnienia. Gazy takie jak : hel, wodór, azot, powietrze itd. mogą wydostać się z instalacji przez najmniejszą nieszczelność ze względu na ich małe molekuly. Dlatego szczególnie ważne w aplikacjach gazowych jest użycie właściwie przygotowanych rur : bez zadrapań, wgnieceń i innych zabrudzeń.

Nie używaj rurek o cienkich ściankach do aplikacji gazowych. Grubsza ścianka rurki stawia opór zaciskającym się pierścieniom, natomiast cienka ścianka może się załamać.

Do aplikacji gazowych powinny być użyte rury pokazane w tabelach 2 do 13 w niezaciemnionych polach.

## Aplikacje podciśnieniowe

Złącza DK-LOK zostały przetestowane w wielu aplikacjach gdzie występowało podciśnienie i sprawdziły się znakomicie (np. przemysł analityczny). Złącza DK-LOK spełniają wymagania szczelności opisane w normie TA-LUFT 2002.

## Aplikacje kriogeniczne

Nierdzewne (AISI316) złącza DK-LOK mogą być stosowane w aplikacjach kriogenicznych. Temperaturą kriogeniczną określa się temperaturę poniżej -100°F (-73°C).

## Aplikacje wysokiego ciśnienia

Ciśnienie wyższe niż 500 psig (34,50 Bar) dla gazów określa się mianem wysokiego ciśnienia. W instalacjach wysokiego ciśnienia szczególnie istotna jest powierzchnia rury. Powinna być ona wolna od zarysowań, zabrudzeń, wgnieceń itp., które mogą powodować nieszczelność połączenia.

Zwróć uwagę na zakres grubości ścianek rur, które mogą zostać wykorzystane w aplikacjach gazowych (tabele 2 do 13). Do aplikacji gazowych powinny być użyte rury pokazane w tabelach 2 do 13 w niezaciemnionych polach.

W przypadku rur należy się stosować do zaleceń opisanych powyżej dotyczących doboru rur, transportu, składowania oraz instalacji.

# Informacje techniczne

**Tabela 2. Rury bezszwowe calowe ze stali nierdzewnej**

Do złączy DK-LOK ze stali nierdzewnej powinno się stosować austenityczne wyżarzane rury bezszwowe wykonane ze stali nierdzewnej AISI 304 lub AISI 316 odpowiadające wymogom normy ASTM A269 lub ASTM A213 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur : mniej niż 80 HRB.

| śred. zewn.<br>cale | Grubość ścianki (cale) |       |       |        |       |        |        |        |       |       |       |       |       |       |       |
|---------------------|------------------------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
|                     | 0.012                  | 0.014 | 0.016 | 0.020  | 0.028 | 0.035  | 0.049  | 0.065  | 0.083 | 0.095 | 0.109 | 0.120 | 0.134 | 0.156 | 0.188 |
| 1/16                | 6,800                  | 8,100 | 9,400 | 12,000 |       |        |        |        |       |       |       |       |       |       |       |
| 1/8                 |                        |       |       |        | 8,500 | 10,900 |        |        |       |       |       |       |       |       |       |
| 3/16                |                        |       |       |        | 5,400 | 7,000  | 10,200 |        |       |       |       |       |       |       |       |
| 1/4                 |                        |       |       |        | 4,000 | 5,100  | 7,500  | 10,200 |       |       |       |       |       |       |       |
| 5/16                |                        |       |       |        |       | 4,000  | 5,800  | 8,000  |       |       |       |       |       |       |       |
| 3/8                 |                        |       |       |        |       | 3,300  | 4,800  | 6,500  | 8,600 |       |       |       |       |       |       |
| 1/2                 |                        |       |       |        |       | 2,400  | 3,500  | 4,700  | 6,200 |       |       |       |       |       |       |
| 5/8                 |                        |       |       |        |       |        | 2,900  | 4,000  | 5,200 | 6,000 |       |       |       |       |       |
| 3/4                 |                        |       |       |        |       |        | 2,400  | 3,300  | 4,200 | 4,900 | 5,800 | 6,400 |       |       |       |
| 7/8                 |                        |       |       |        |       |        | 2,000  | 2,800  | 3,600 | 4,200 | 4,800 | 5,400 | 6,100 |       |       |
| 1                   |                        |       |       |        |       |        |        | 2,400  | 3,100 | 3,600 | 4,200 | 4,700 | 5,300 | 6,200 |       |
| 1 1/4               |                        |       |       |        |       |        |        |        | 2,400 | 2,800 | 3,300 | 3,600 | 4,100 | 4,900 |       |
| 1 1/2               |                        |       |       |        |       |        |        |        |       | 2,300 | 2,700 | 3,000 | 3,400 | 4,000 | 4,900 |
| 2                   |                        |       |       |        |       |        |        |        |       |       | 2,000 | 2,200 | 2,500 | 2,900 | 3,600 |

**Tabela 3. Rury bezszwowe metryczne ze stali nierdzewnej**

| śred. zewn.<br>mm | Grubość ścianki (mm) |     |     |     |     |     |     |     |     |     |                            |     |     |
|-------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------|-----|-----|
|                   | 0.8                  | 1.0 | 1.2 | 1.5 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 | 3.5                        | 4.0 | 4.5 |
| 3                 | 710                  |     |     |     |     |     |     |     |     |     |                            |     |     |
| 6                 | 330                  | 420 | 520 | 670 |     |     |     |     |     |     |                            |     |     |
| 8                 |                      | 310 | 380 | 490 |     |     |     |     |     |     | Ciśnienie robocze w barach |     |     |
| 10                |                      | 240 | 300 | 380 |     |     |     |     |     |     |                            |     |     |
| 12                |                      | 200 | 240 | 310 | 380 | 430 |     |     |     |     |                            |     |     |
| 14                |                      | 180 | 220 | 280 | 340 | 390 | 430 |     |     |     |                            |     |     |
| 15                |                      | 170 | 200 | 260 | 320 | 360 | 400 |     |     |     |                            |     |     |
| 16                |                      |     | 190 | 240 | 300 | 330 | 370 |     |     |     |                            |     |     |
| 18                |                      |     | 170 | 210 | 260 | 290 | 320 | 370 |     |     |                            |     |     |
| 20                |                      |     | 150 | 190 | 230 | 260 | 290 | 330 | 380 |     |                            |     |     |
| 22                |                      |     | 130 | 170 | 210 | 230 | 260 | 300 | 340 |     |                            |     |     |
| 25                |                      |     |     | 180 | 200 | 230 | 260 | 300 | 320 |     |                            |     |     |
| 28                |                      |     |     |     | 180 | 200 | 230 | 260 | 280 | 330 |                            |     |     |
| 30                |                      |     |     |     | 170 | 190 | 210 | 240 | 260 | 310 |                            |     |     |
| 32                |                      |     |     |     | 160 | 170 | 200 | 230 | 240 | 290 | 330                        |     |     |
| 38                |                      |     |     |     |     | 140 | 170 | 190 | 200 | 240 | 280                        | 310 |     |

- Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla zakresu temperatur od -20 to 100°F (-28 to 37°C) przy dopuszczalnej wartości naprężeń 20,000 psi zgodnie z normą ASME B31.3 dotyczącą procesu oznaczania rur.

- Pomiar ciśnienia roboczego bazuje na maksymalnej średnicy zewnętrznej rury i minimalnej grubości ścianki bez uwzględniania dodatkowych czynników zewnętrznych takich jak korozja i erozja. Wyniki pomiarów wykonanych wg. wyżej opisanej zasady odpowiadają ściśle wytycznym normy ASTM A269.

(Przykład: mamy rurę o średnicy zewnętrznej 1/2" x 0,035" grubość ścianki, tolerancja średnicy zewnętrznej rury to 0,005", tolerancja grubości ścianki to ±15%.

Pomiar ciśnienia roboczego bazuje na wymiarach rury: średnica zewnętrzna 0,505" x 0,0298" grubość ścianki).

- Uwzględniając wytrzymałość na rozciąganie 75000 psi współczynnik bezpieczeństwa wynosi 3.75 do 1.

- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,94.

## Określenie ciśnień roboczych dla rur spawanych ze stali nierdzewnej

Aby określić ciśnienie robocze dla rur spawanych ze stali nierdzewnej w oparciu o normę ASME B31.3 należy wartości z tabel pomnożyć przez współczynnik 0,8 dla rur z jednym szwem i 0,85 dla rur dwuszwowych. (Przykład: Rura bezszwowa AISI316 0,5" x 0,065" : ciśnienie robocze wynosi 4700 psig. Ciśnienie robocze dla rur z jednym szwem wynosi: 4700 psig x 0,8 = 3760 psig w temp. -20 to 100°F (-28 to 37°C).

**Tabela 4. Rury bezszwowe calowe wykonane z miedzi.**

Do złączy DK-LOK wykonanych z mosiądzu powinno się stosować wyżarzane rury bezszwowe wykonane ze miedzi odpowiadające wymogom normy ASME B75 lub innych ekwiwalentnych norm. Można również stosować miękkie rury miedziane typ K lub typ L odpowiadające wymogom normy ASTM B88. Zalecana twardość rur : mniej niż 60 HRB

| śred. zewn.<br>cale | 0.010 | 0.012 | 0.028 | 0.035 | Grubość ścianki (cale) |       | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 |
|---------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|
| 1/8                 |       |       | 2,700 | 3,600 |                        |       |       |       |       |       |       |       |
| 3/16                |       |       | 1,800 | 2,300 | 3,400                  |       |       |       |       |       |       |       |
| 1/4                 |       |       | 1,300 | 1,600 | 2,500                  | 3,500 |       |       |       |       |       |       |
| 5/16                |       |       |       | 1,300 | 1,900                  | 2,700 |       |       |       |       |       |       |
| 3/8                 |       |       |       | 1,000 | 1,600                  | 2,200 |       |       |       |       |       |       |
| 1/2                 |       |       |       | 800   | 1,100                  | 1,600 | 2,100 |       |       |       |       |       |
| 5/8                 |       |       |       |       | 900                    | 1,200 | 1,600 | 1,900 |       |       |       |       |
| 3/4                 |       |       |       |       | 700                    | 1,000 | 1,300 | 1,500 | 1,800 |       |       |       |
| 7/8                 |       |       |       |       | 600                    | 800   | 1,100 | 1,300 | 1,500 |       |       |       |
| 1                   |       |       |       |       | 500                    | 700   | 900   | 1,100 | 1,300 | 1,500 |       |       |

**Tabela 5. Rury bezszwowe metryczne wykonane z miedzi**

| śred. zewn.<br>mm | 0.7 | 0.8 | 1.0 | 1.2 | Grubość ścianki (mm) |     | 1.5 | 1.6 | 1.8 | 2.0 | 2.2 | 2.5 | 3.0 |
|-------------------|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 3                 | 225 | 260 |     |     |                      |     |     |     |     |     |     |     |     |
| 4                 | 165 | 191 | 244 | 295 |                      |     |     |     |     |     |     |     |     |
| 6                 |     | 122 | 157 | 192 | 245                  | 263 |     |     |     |     |     |     |     |
| 8                 |     | 89  | 114 | 140 | 179                  | 193 |     |     |     |     |     |     |     |
| 10                |     | 70  | 89  | 109 | 140                  | 150 | 172 | 193 |     |     |     |     |     |
| 12                |     | 58  | 73  | 89  | 114                  | 123 | 140 | 158 |     |     |     |     |     |
| 14                |     |     | 62  | 76  | 96                   | 103 | 118 | 133 | 148 | 171 | 209 |     |     |
| 16                |     |     | 54  | 66  | 83                   | 89  | 102 | 114 | 127 | 147 | 180 |     |     |
| 18                |     |     | 48  | 58  | 74                   | 79  | 90  | 101 | 112 | 129 | 159 |     |     |
| 22                |     |     | 39  | 47  | 59                   | 64  | 72  | 81  | 90  | 103 | 126 |     |     |
| 25                |     |     | 34  | 41  | 52                   | 56  | 63  | 71  | 78  | 90  | 110 |     |     |

- Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 6000 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 30000 psi współczynnik bezpieczeństwa wynosi 5 do 1.

**Tabela 6. Rury bezszwowe calowe wykonane ze stali węglowej**

Do złączy DK-LOK ze stali węglowej powinno się stosować miękkie wyżarzane rury bezszwowe wykonane ze stali węglowej odpowiadające wymogom normy ASTM A179 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur : mniej niż 72 HRB.

| śred. zewn.<br>cale | 0.028 | 0.035  | 0.049 | 0.065 | 0.083 | Grubość ścianki (cale) |       | 0.095 | 0.109 | 0.120 | 0.134 | 0.148 | 0.165 | 0.180 | 0.220 |
|---------------------|-------|--------|-------|-------|-------|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/8                 | 8,000 | 10,200 |       |       |       |                        |       |       |       |       |       |       |       |       |       |
| 3/16                | 5,100 | 6,600  | 9,600 |       |       |                        |       |       |       |       |       |       |       |       |       |
| 1/4                 | 3,700 | 3,700  | 7,000 | 9,600 |       |                        |       |       |       |       |       |       |       |       |       |
| 5/16                |       | 3,800  | 5,500 | 7,600 |       |                        |       |       |       |       |       |       |       |       |       |
| 3/8                 |       | 3,100  | 4,500 | 6,200 |       |                        |       |       |       |       |       |       |       |       |       |
| 1/2                 |       | 2,300  | 3,300 | 4,500 | 5,900 |                        |       |       |       |       |       |       |       |       |       |
| 5/8                 |       | 1,800  | 2,600 | 3,500 | 4,600 | 5,300                  |       |       |       |       |       |       |       |       |       |
| 3/4                 |       |        | 2,100 | 2,900 | 3,700 | 4,300                  | 5,100 |       |       |       |       |       |       |       |       |
| 7/8                 |       |        | 1,800 | 2,400 | 3,200 | 3,700                  | 4,300 |       |       |       |       |       |       |       |       |
| 1                   |       |        | 1,500 | 2,100 | 2,700 | 3,200                  | 3,700 | 4,100 |       |       |       |       |       |       |       |
| 1 1/4               |       |        |       | 1,600 | 2,100 | 2,500                  | 2,900 | 3,200 | 3,600 | 4,000 | 4,600 | 5,000 |       |       |       |
| 1 1/2               |       |        |       |       | 1,800 | 1,700                  | 2,400 | 2,600 | 3,000 | 3,300 | 3,700 | 4,100 | 5,100 |       |       |
| 2                   |       |        |       |       |       | 1,500                  | 1,700 | 1,900 | 2,200 | 2,400 | 2,700 | 3,000 | 3,700 |       |       |

# Informacje techniczne

**Tabela 7. Rury bezszwowe metryczne ze stali węglowej**

| śred. zewn.<br>mm | Grubość ścianki (mm) |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   | 0.8                  | 1.0 | 1.2 | 1.5 | 1.8 | 2.0 | 2.2 | 2.5 | 2.8 | 3.0 | 3.5 | 4.0 | 4.5 |
| 3                 | 670                  | 830 |     |     |     |     |     |     |     |     |     |     |     |
| 6                 | 310                  | 400 | 490 | 630 |     |     |     |     |     |     |     |     |     |
| 8                 |                      | 290 | 360 | 460 |     |     |     |     |     |     |     |     |     |
| 10                |                      | 230 | 280 | 360 |     |     |     |     |     |     |     |     |     |
| 12                |                      | 190 | 230 | 290 | 360 | 410 | 450 |     |     |     |     |     |     |
| 14                |                      | 160 | 190 | 250 | 300 | 340 | 380 |     |     |     |     |     |     |
| 15                |                      | 150 | 180 | 230 | 280 | 320 | 350 |     |     |     |     |     |     |
| 16                |                      |     | 170 | 210 | 260 | 290 | 330 | 380 |     |     |     |     |     |
| 18                |                      |     | 150 | 190 | 230 | 260 | 290 | 330 |     |     |     |     |     |
| 20                |                      |     | 130 | 170 | 200 | 230 | 260 | 290 | 330 |     |     |     |     |
| 22                |                      |     | 120 | 150 | 180 | 210 | 230 | 260 | 300 |     |     |     |     |
| 25                |                      |     |     |     | 160 | 180 | 200 | 230 | 260 | 280 |     |     |     |
| 28                |                      |     |     |     |     | 160 | 180 | 200 | 230 | 250 | 290 |     |     |
| 30                |                      |     |     |     |     | 150 | 160 | 190 | 210 | 230 | 270 |     |     |
| 32                |                      |     |     |     |     | 140 | 150 | 170 | 200 | 210 | 250 | 290 |     |
| 38                |                      |     |     |     |     |     | 130 | 140 | 160 | 180 | 210 | 240 | 280 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 15700 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 47000 psi współczynnik bezpieczeństwa wynosi 3 do 1.
- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,75.

**Tabela 8. Rury bezszwowe calowe ze stopu ALLOY 400**

Do złączy DK-LOK wykonanych ze stopu ALLOY 400 powinno się stosować wyżarzane rury bezszwowe wykonane ze stopu ALLOY 400 odpowiadającemu wymogom normy ASTM B165 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur: mniej niż 75 HRB.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |                          |       |       |       |       |       |
|---------------------|------------------------|--------|--------------------------|-------|-------|-------|-------|-------|
|                     | 0.028                  | 0.35   | 0.049                    | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 |
| 1/8                 | 7,900                  | 10,200 | Ciśnienie robocze w PSIG |       |       |       |       |       |
| 1/4                 | 3,700                  | 4,800  | 7,000                    | 9,600 |       |       |       |       |
| 3/8                 |                        | 3,100  | 4,400                    | 6,100 |       |       |       |       |
| 1/2                 |                        | 2,300  | 3,300                    | 4,400 |       |       |       |       |
| 3/4                 |                        |        | 2,200                    | 3,000 | 4,000 | 4,600 |       |       |
| 1                   |                        |        |                          | 2,200 | 2,900 | 3,400 | 3,900 | 4,300 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 18.7000 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 70.000 psi współczynnik bezpieczeństwa wynosi 3,74 do 1.
- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,93.

**Tabela 9. Rury bezszwowe calowe ze stopu ALLOY C276**

Do złączy DK-LOK wykonanych ze stopu ALLOY C276 powinno się stosować wyżarzane rury bezszwowe wykonane ze stopu ALLOY C276 odpowiadającemu wymogom normy ASTM B622 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur: mniej niż 100 HRB.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |        |        |        |       |
|---------------------|------------------------|--------|--------|--------|--------|-------|
|                     | 0.02                   | 0.028  | 0.035  | 0.049  | 0.065  | 0.083 |
| 1/8                 | 8,200                  | 12,000 | 15,300 |        |        |       |
| 3/16                | 5,300                  | 7,700  | 9,900  | 14,400 |        |       |
| 1/4                 |                        | 5,600  | 7,200  | 10,600 | 14,400 |       |
| 5/16                |                        |        | 5,700  | 8,200  | 11,300 |       |
| 3/8                 |                        |        | 4,700  | 6,700  | 9,200  |       |
| 1/2                 |                        |        | 3,400  | 4,900  | 6,700  | 8,800 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 27.300 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 100.000 psi współczynnik bezpieczeństwa wynosi 3.66 do 1.
- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,78.

**Tabela 10. Rury bezszwowe calowe ze stopu ALLOY 825**

Do złączy DK-LOK wykonanych ze stopu ALLOY 825 powinno się stosować wyżarzane rury bezszwowe wykonane ze stopu ALLOY 825 odpowiadającemu wymogom normy ASTM B423 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur: mniej niż 95 HRB.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |        |        |        |       |
|---------------------|------------------------|--------|--------|--------|--------|-------|
|                     | 0.02                   | 0.028  | 0.035  | 0.049  | 0.065  | 0.083 |
| 1/8                 | 7,500                  | 11,000 | 14,000 |        |        |       |
| 3/16                | 4,800                  | 7,000  | 9,000  | 13,000 |        |       |
| 1/4                 |                        | 5,100  | 6,500  | 9,500  | 13,000 |       |
| 5/16                |                        |        | 5,100  | 7,400  | 10,100 |       |
| 3/8                 |                        |        | 4,100  | 6,000  | 8,300  |       |
| 1/2                 |                        |        | 3,000  | 4,400  | 6,000  | 7,900 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 23.300 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 85.000 psi współczynnik bezpieczeństwa wynosi 3,64 do 1.
- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,94.



**Tabela 11. Rury bezszwowe stalowe ze stopu ALLOY 625**

Do złączy DK-LOK wykonanych ze stopu ALLOY 625 powinno się stosować bezołowiowe rury bezszwowe wykonane ze stopu ALLOY 625 odpowiadającemu wymogom normy ASTM B444 Stopień 1 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |        |                          |        |        |
|---------------------|------------------------|--------|--------|--------------------------|--------|--------|
|                     | 0.02                   | 0.028  | 0.035  | 0.049                    | 0.065  | 0.083  |
| 1/8                 | 12,500                 | 18,200 | 23,100 | Working Pressure in PSIG |        |        |
| 3/16                | 8,000                  | 11,600 | 14,900 | 21,500                   |        |        |
| 1/4                 |                        | 8,400  | 10,800 | 15,700                   | 21,400 |        |
| 5/16                |                        |        | 8,400  | 12,200                   | 16,800 |        |
| 3/8                 |                        |        | 6,900  | 10,000                   | 13,700 |        |
| 1/2                 |                        |        | 4,200  | 6,000                    | 8,200  | 10,700 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 40.000 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 120.000 psi współczynnik bezpieczeństwa wynosi 3 do 1.

**Tabela 12. Rury bezszwowe stalowe z materiału SUPER DUPLEX**

Do złączy DK-LOK wykonanych z materiału SUPER DUPLEX powinno się stosować bezołowiowe rury bezszwowe wykonane z materiału SUPER DUPLEX odpowiadającemu wymogom normy ASTM A789 S32750 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur: mniej niż 32 HRC.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |        |
|---------------------|------------------------|--------|--------|
|                     | 0.028                  | 0.035  | 0.049  |
| 1/4                 | 7,200                  | 10,500 | 14,300 |
| 3/8                 | 4,600                  | 6,600  | 9,100  |
| 1/2                 | 2,800                  | 4,400  | 5,400  |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 38.700 psi zgodnie z ASME B31.3.

- Uwzględniając wytrzymałość na rozciąganie 116.000 psi współczynnik bezpieczeństwa wynosi 3 do 1.

**Tabela 13. Rury bezszwowe stalowe ze stopu ALLOY 20**

Do złączy DK-LOK wykonanych ze stopu ALLOY 20 powinno się stosować bezołowiowe rury bezszwowe wykonane ze stopu ALLOY 20 odpowiadającemu wymogom normy ASTM B729 lub innych ekwiwalentnych norm. Rury powinny nadawać się do gięcia i kielichowania. Zalecana twardość rur: mniej niż 95 HRB.

| śred. zewn.<br>cale | Grubość ścianki (cale) |        |        |        |        |       |
|---------------------|------------------------|--------|--------|--------|--------|-------|
|                     | 0.02                   | 0.028  | 0.035  | 0.049  | 0.065  | 0.083 |
| 1/8                 | 8,400                  | 12,200 | 15,400 |        |        |       |
| 3/16                | 5,300                  | 7,700  | 9,900  | 14,400 |        |       |
| 1/4                 |                        | 5,600  | 7,200  | 10,500 | 14,300 |       |
| 5/16                |                        |        | 5,600  | 8,200  | 11,200 |       |
| 3/8                 |                        |        | 4,600  | 6,600  | 9,100  |       |
| 1/2                 |                        |        | 2,800  | 4,400  | 5,400  | 7,200 |

Dopuszczalne ciśnienia robocze określone w tabelach zostały skalkulowane dla temp. roboczej od -20 to 100°F (-28 to 37°C) i dopuszczalnej wartości naprężeń 22.900 psi zgodnie z ASME B31.3.

- Aby określić ciśnienie robocze dla rur, które mają spełniać wymogi normy ASME B31.1 (Power Piping Code) należy wartości z tabeli odpowiadające normie ASME B31.3 pomnożyć przez współczynnik 0,88.

**Tabela 14.**

| Temp. |     | Stal |      | Stal węglowa | Miedź | 825  | C276 | 625  | 20   | 400  | Super Duplex A789 |
|-------|-----|------|------|--------------|-------|------|------|------|------|------|-------------------|
| °F    | °C  | 304  | 316  | A179         | B75   | B423 | B622 | B444 | B729 | B165 |                   |
| 100   | 38  | 1    | 1    | 1            | 1     | 1    | 1    | 1    | 1    | 1    | 1                 |
| 200   | 93  | 1    | 1    | 0.96         | 0.8   | 0.92 | 1    | 1    | 0.9  | 0.88 | 0.9               |
| 300   | 149 | 1    | 1    | 0.9          | 0.78  | 0.87 | 1    | 1    | 0.86 | 0.79 | 0.85              |
| 400   | 204 | 0.94 | 0.97 | 0.86         | 0.5   | 0.83 | 1    | 1    | 0.83 | 0.79 | 0.82              |
| 500   | 260 | 0.88 | 0.9  | 0.82         | 0.13  | 0.79 | 0.98 | 0.97 | 0.79 | 0.79 | 0.81              |
| 600   | 316 | 0.82 | 0.85 | 0.77         |       | 0.77 | 0.93 | 0.95 | 0.77 | 0.79 | 0.8               |
| 700   | 371 | 0.8  | 0.82 | 0.73         |       | 0.76 | 0.87 | 0.93 | 0.76 | 0.79 |                   |
| 800   | 427 | 0.76 | 0.8  | 0.59         |       | 0.73 | 0.84 | 0.93 | 0.73 | 0.76 |                   |
| 900   | 482 | 0.73 | 0.78 |              |       | 0.73 | 0.81 | 0.93 |      |      |                   |
| 1000  | 538 | 0.69 | 0.77 |              |       | 0.71 | 0.79 | 0.93 |      |      |                   |
| 1200  | 649 | 0.3  | 0.37 |              |       |      | 0.35 | 0.93 |      |      |                   |

## Współczynnik zależności ciśnienia od temperatury

Ciśnienie robocze złączy DK-LOK odpowiada ciśnieniu robocznemu łączonej rury.

Aby określić dopuszczalne ciśnienie robocze w wyższej temperaturze, należy pomnożyć wartość ciśnienia określoną dla danego rodzaju rury przez współczynnik określony w tabeli 14.

Przykład: Rura o średnicy zewnętrznej 0,5" x 0,065" grubość ścianki, która pracuje w temp. +371 st C. Ciśnienie robocze rury pracującej w tej aplikacji wynosi: 4700 psig x 0,82 = 3854 psi.

# Informacje techniczne

## Ciśnienie robocze przyłączy gwintowanych DK-LOK

Ciśnienie robocze złącza z portami Dk-Lok odpowiada ciśnieniu robocznemu przyłączanej rury. Dopuszczalne ciśnienie robocze złącza DK-LOK, które z jednej strony posiada port do podłączenia rury (nakrętka i pierścienie) a z drugiej strony gwint, jest determinowane przez stronę o niższej wytrzymałości ciśnieniowej.

**Tabela 15. Oznaczenie gwintów przyłączy DK-LOK**

Opis: DK – oznaczenie gwintów stosowane przez firmę DK-LOK  
E – oznaczenie gwintów stosowane przez innych producentów

|                         | DK | Specyfikacja                                                        | Konfiguracja gwintu | E  |
|-------------------------|----|---------------------------------------------------------------------|---------------------|----|
| Gwint rurowy stożkowy   | N  | ASME B1.20.1(NPT)<br>SAE A57 1051                                   |                     | -  |
|                         | R  | ISO 7-1<br>BS EN 10226-1(BSPT)<br>DIN 2999<br>JIS B0203 (PT)        |                     | RT |
| Gwint rurowy równoległy | G  | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>DIN 3852 FORM A    |                     | RS |
|                         | GB | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>DIN 3852 FORM B    |                     | RP |
|                         | GP | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>SAE J475 SAE J1926 |                     | PR |
| Gwint rurowy równoległy | GG | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>EN 837-1&EN 837-3  |                     | RG |
|                         | GR | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>DIN 3852 FORM Z    |                     | RP |
|                         | GY | ISO 228-1<br>BS 2779 (BSPP)<br>JIS B0202 (PF)<br>DIN 3852 FORM Y    |                     | RJ |
| Gwint prosty SAE        | U  | ASME B1.1<br>ISO R725<br>SAE J475<br>SAE J514                       |                     | ST |
|                         | UO | ASME B1.1<br>ISO R725<br>SAE J475<br>SAE J514                       |                     | OR |
|                         | UP | ASME B1.1<br>ISO R725<br>SAE J475<br>SAE J514                       |                     | ST |
|                         | NO | ASME B1.20.1<br>SAE A571051<br>SAE J514                             |                     | OR |

## Uszczelniacze do gwintów

Stosowanie uszczelniaczy do gwintów rurowych stożkowych jest konieczne do uzyskania szczelnego połączenia. Uszczelniacze zwykle zawierają środek smarujący. Uszczelnienie wypełnia luki pomiędzy gwintami i zapobiega zatarciu się gwintu.

Często do uszczelnienia gwintów rurowych stożkowych stosuje się taśmy teflonowe. Taśma powinna być nawinięta na gwint przeciwnie do ruchu wskazówek zegara. Taśma nie może wystawać poza gwint, ponieważ nadmiar taśmy może się dostać do instalacji.

Przeliczniki jednostek miar ciśnienia:

1 bar = 100 kPa = 14.503 psi    1 kPa = 0.01 bar = 0.145 psi  
1 psi = 0.069 bar = 6.89 kPa    1 kg/cm<sup>2</sup> = 0.98 bar = 14.22 psi

**Tabela 16. Ciśnienia robocze rurowych gwintów stożkowych**

Ciśnienia określone w tabeli odnoszą się do oznaczeń gwintów: ...-N i R

| wielkość gwintu ISO/NPT | AISI 316 i stal węglowa |     |            |     | Mosiądz    |     |            |     |
|-------------------------|-------------------------|-----|------------|-----|------------|-----|------------|-----|
|                         | zewnątrzny              |     | wewnętrzny |     | zewnątrzny |     | wewnętrzny |     |
|                         | pisg                    | bar | pisg       | bar | pisg       | bar | pisg       | bar |
| wytr. Rm                | 20000 psi               |     |            |     | 10000 psi  |     |            |     |
| 1/16                    | 14,000                  | 965 | 6,600      | 455 | 7,400      | 510 | 3,300      | 227 |
| 1/8                     | 10,000                  | 689 | 6,400      | 441 | 5,000      | 345 | 3,200      | 220 |
| 1/4                     | 8,300                   | 572 | 6,500      | 448 | 4,100      | 282 | 3,200      | 220 |
| 3/8                     | 8,000                   | 551 | 5,200      | 358 | 4,000      | 275 | 2,600      | 179 |
| 1/2                     | 7,800                   | 537 | 4,800      | 331 | 3,900      | 269 | 2,400      | 165 |
| 3/4                     | 7,500                   | 517 | 4,600      | 317 | 3,700      | 255 | 2,300      | 158 |
| 1                       | 5,300                   | 365 | 4,400      | 303 | 2,600      | 179 | 2,200      | 152 |
| 1-1/4                   | 6,200                   | 427 | 5,000      | 345 | 3,100      | 214 | 2,500      | 172 |
| 1-1/2                   | 5,100                   | 351 | 4,500      | 310 | 2,500      | 172 | 2,200      | 152 |
| 2                       | 4,000                   | 276 | 3,900      | 269 | 2,000      | 138 | 1,900      | 131 |

## Dopuszczalne ciśnienie robocze innych przyłączy

### DK-LOK gwint rurowy zewnętrzny prosty

- Dotyczy oznaczeń gwintów : G, GB, GP
- Ciśnienie robocze przyłączy G, GB, GP w rozmiarze do 1" dla materiałów AISI316 oraz stali węglowej wynosi 5900 psi (406 Bar)

### DK-LOK gwint SAE

- Dotyczy oznaczeń gwintów : U, UO, UP
- Ciśnienie robocze przyłączy U, UO, UP w rozmiarze do 16U (1 5/16-12) dla materiałów AISI316 oraz stali węglowej wynosi 6000 psi (413 Bar)

### DK-LOK przyłącze do spawania (Socket Weld End)

- Dotyczy oznaczeń przyłączy: DCSW, DLSW
- Ciśnienie robocze przyłączy do spawania DCSW, DLSW w rozmiarze do 1/2" dla materiałów AISI316 oraz stali węglowej wynosi 7000 psi (482 Bar)

### DK-LOK przyłącze do spawania (Pipe Butt Weld End)

- Dotyczy oznaczeń przyłączy: DCW, DLW
- Ciśnienie robocze przyłączy do spawania DCW, DLW w rozmiarze do 3/4" dla materiałów AISI316 oraz stali węglowej wynosi 6000 psi (413 Bar)

Wielkości ciśnienia wymienione powyżej określone zostały na podstawie normy ASME B31.3 (Proces Piping Code) dla temp. roboczej od -20 do 100°F (-28 do 37°C)

W przypadku konieczności zastosowania innego przyłącza niż te określone powyżej prosimy o kontakt z dystrybutorem w celu określenia dopuszczalnego ciśnienia roboczego.

**Tabela 17. Dopuszczalne temp. robocze dla uszczelnień miękkich**

| O-ring          | Temp. robocza               |
|-----------------|-----------------------------|
| NBR             | -40 do 110°C (-40 do 230°F) |
| FKM             | -28 do 204°C (-18 do 400°F) |
| FFKM (Kalrez ®) | -30 do 275°C (-22 do 527°F) |

Proszę zwrócić uwagę, iż złącze z uszczelnieniem miękkim może mieć niższą temp. roboczą niż złącze wykonane w całości z metalu.

## Ciśnienia robocze złączy Dk-Lok

Wartości ciśnień wymienione w tabelach zostały określone na podstawie normy ASME B31.3 (Proces Piping Code) dla temp. roboczej od -20 do 100 °F (-28 do +37 °C). W przypadku pracy złączy w temperaturze wykraczającej poza powyższy zakres **posłuż się tabelą nr 14** aby odczytać współczynnik redukcji ciśnienia roboczego.

Jeżeli określona tabela nie zawiera danych na temat ciśnienia roboczego złącza to prosimy o kontakt z dystrybutorem w celu uzupełnienia informacji.

**UWAGA !!!** Ciśnienia robocze określone w tabelach dotyczą tylko złączy Dk-Lok. Jeżeli wartość ciśnienia roboczego rury jest niższa niż złącza, należy przyjąć dla całej instalacji ciśnienie robocze rury.

Ciśnienie robocze dla złączek redukcyjnych ( np. DUR, DTR, DCRP) odpowiada wartości niższego z ciśnień dla poszczególnych przyłączy. (Przykład: złączka DUR8M-6M-S - ciśnienie robocze dla tej złączki wynosi 490 Bar )

**Tabela nr 18. Ciśnienia robocze dla złączy Dk-Lok z gwintami zewnętrznymi równoległymi**

| Rodzaj złączki:   |          | DMC, DAM, DLM |             |                       |                       |                    |          |               |             |                     |                     |
|-------------------|----------|---------------|-------------|-----------------------|-----------------------|--------------------|----------|---------------|-------------|---------------------|---------------------|
| Część kodu        | Materiał | śr. zew. rury | gwint zewn. | -S (AISI316)          | -C (Stal węglowa)     | Część kodu         | Materiał | śr. zew. rury | gwint zewn. | -S (AISI316)        | -C (Stal węglowa)   |
|                   |          |               |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |                    |          |               |             | Ciśnienie psi (bar) | Ciśnienie psi (bar) |
| ...2-2G(GB)(GP)   |          | 1/8"          | 1/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...3M-2G(GB)(GP)   |          | 3 mm          | 1/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...2-4G(GB)(GP)   |          | 1/8"          | 1/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...3M-4G(GB)(GP)   |          | 3 mm          | 1/4"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...2-6G(GB)(GP)   |          | 1/8"          | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...4M-2G(GB)(GP)   |          | 4 mm          | 1/8"        |                     |                     |
| ...4-2G(GB)(GP)   |          | 1/4"          | 1/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...6M-2G(GB)(GP)   |          | 6 mm          | 1/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...4-4G(GB)(GP)   |          | 1/4"          | 1/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...6M-4G(GB)(GP)   |          | 6 mm          | 1/4"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...4-6G(GB)(GP)   |          | 1/4"          | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...6M-6G(GB)(GP)   |          | 6 mm          | 3/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...4-8G(GB)(GP)   |          | 1/4"          | 1/2"        | 5900 ( 407 )          | 5900 ( 407 )          | ...6M-8G(GB)(GP)   |          | 6 mm          | 1/2"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...6-2G(GB)(GP)   |          | 3/8"          | 1/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...8M-2G(GB)(GP)   |          | 8 mm          | 1/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...6-4G(GB)(GP)   |          | 3/8"          | 1/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...8M-4G(GB)(GP)   |          | 8 mm          | 1/4"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...6-6G(GB)(GP)   |          | 3/8"          | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...8M-6G(GB)(GP)   |          | 8 mm          | 3/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...6-8G(GB)(GP)   |          | 3/8"          | 1/2"        | 5900 ( 407 )          | 5900 ( 407 )          | ...8M-8G(GB)(GP)   |          | 8 mm          | 1/2"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...8-4G(GB)(GP)   |          | 1/2"          | 1/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...10M-4G(GB)(GP)  |          | 10 mm         | 1/4"        | 5511 ( 380 )        | 5511 ( 380 )        |
| ...8-6G(GB)(GP)   |          | 1/2"          | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          | ...10M-6G(GB)(GP)  |          | 10 mm         | 3/8"        | 5511 ( 380 )        | 5511 ( 380 )        |
| ...8-8G(GB)(GP)   |          | 1/2"          | 1/2"        | 5900 ( 407 )          | 5900 ( 407 )          | ...10M-8G(GB)(GP)  |          | 10 mm         | 1/2"        | 5511 ( 380 )        | 5511 ( 380 )        |
| ...12-8G(GB)(GP)  |          | 3/4"          | 1/2"        | 5900 ( 407 )          | 5900 ( 407 )          | ...12M-4G(GB)(GP)  |          | 12 mm         | 1/4"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...12-12G(GB)(GP) |          | 3/4"          | 3/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...12M-6G(GB)(GP)  |          | 12 mm         | 3/8"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...16-8G(GB)(GP)  |          | 1"            | 1/2"        | 5900 ( 407 )          | 5900 ( 407 )          | ...12M-8G(GB)(GP)  |          | 12 mm         | 1/2"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...16-12G(GB)(GP) |          | 1"            | 3/4"        | 5900 ( 407 )          | 5900 ( 407 )          | ...12M-12G(GB)(GP) |          | 12 mm         | 3/4"        | 5900 ( 407 )        | 5900 ( 407 )        |
| ...16-16G(GB)(GP) |          | 1"            | 1"          | 5900 ( 407 )          | 5900 ( 407 )          | ...15M-8G(GB)(GP)  |          | 15 mm         | 1/2"        | 5802 ( 400 )        | 5802 ( 400 )        |
| ...20-20G(GB)(GP) |          | 1 1/4"        | 1 1/4"      |                       |                       | ...16M-6G(GB)(GP)  |          | 16 mm         | 3/8"        | 5366 ( 370 )        | 5366 ( 370 )        |
| ...24-24G(GB)(GP) |          | 1 1/2"        | 1 1/2"      |                       |                       | ...16M-8G(GB)(GP)  |          | 16 mm         | 1/2"        | 5366 ( 370 )        | 5366 ( 370 )        |
|                   |          |               |             |                       |                       | ...18M-8G(GB)(GP)  |          | 18 mm         | 1/2"        | 5366 ( 370 )        | 5366 ( 370 )        |
|                   |          |               |             |                       |                       | ...18M-12G(GB)(GP) |          | 18 mm         | 3/4"        | 5366 ( 370 )        | 5366 ( 370 )        |
|                   |          |               |             |                       |                       | ...20M-8G(GB)(GP)  |          | 20 mm         | 1/2"        | 5511 ( 380 )        | 5511 ( 380 )        |
|                   |          |               |             |                       |                       | ...20M-12G(GB)(GP) |          | 20 mm         | 3/4"        | 5511 ( 380 )        | 5511 ( 380 )        |
|                   |          |               |             |                       |                       | ...22M-12G(GB)(GP) |          | 22 mm         | 3/4"        | 4931 ( 340 )        | 4931 ( 340 )        |
|                   |          |               |             |                       |                       | ...22M-16G(GB)(GP) |          | 22 mm         | 1"          | 4931 ( 340 )        | 4931 ( 340 )        |
|                   |          |               |             |                       |                       | ...25M-12G(GB)(GP) |          | 25 mm         | 1/2"        | 4641 ( 320 )        | 4641 ( 320 )        |
|                   |          |               |             |                       |                       | ...25M-16G(GB)(GP) |          | 25 mm         | 1"          | 4641 ( 320 )        | 4641 ( 320 )        |
|                   |          |               |             |                       |                       | ...28M-16G(GB)(GP) |          | 28 mm         | 1"          | 4786 ( 330 )        | 4786 ( 330 )        |
|                   |          |               |             |                       |                       | ...28M-20G(GB)(GP) |          | 28 mm         | 1 1/4"      |                     |                     |
|                   |          |               |             |                       |                       | ...30M-20G(GB)(GP) |          | 30 mm         | 1 1/4"      |                     |                     |
|                   |          |               |             |                       |                       | ...32M-20G(GB)(GP) |          | 32 mm         | 1 1/4"      |                     |                     |
|                   |          |               |             |                       |                       | ...38M-24G(GB)(GP) |          | 38 mm         | 1 1/2"      |                     |                     |

# Informacje techniczne

**Tabela nr 19. Ciśnienia robocze dla złączy Dk-Lok z gwintami zewnętrznymi stożkowymi typu NPT lub BSPT**

| Rodzaj złączki: |          | DMC, DMCB, DLBM, DLM, DTRM, DTBM, DAM |             |                       |                       |                       |               |          |               |             |                       |                       |                   |
|-----------------|----------|---------------------------------------|-------------|-----------------------|-----------------------|-----------------------|---------------|----------|---------------|-------------|-----------------------|-----------------------|-------------------|
| Część kodu      | Materiał | śr. zew. rury                         | gwint zewn. | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa)     | Część kodu    | Materiał | śr. zew. rury | gwint zewn. | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa) |
|                 |          |                                       |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |               |          |               |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |                   |
| ...1-1N(R)      |          | 1/16"                                 | 1/16"       | 12000 ( 827 )         |                       | 12000 ( 827 )         | ...2M-2N(R)   |          | 2 mm          | 1/8"        |                       |                       |                   |
| ...1-2N(R)      |          | 1/16"                                 | 1/8"        | 10000 ( 689 )         |                       | 10000 ( 689 )         | ...3M-2N(R)   |          | 3 mm          | 1/8"        | 10000 ( 689 )         | 3771 ( 260 )          | 10000 ( 689 )     |
| ...1-4N(R)      |          | 1/16"                                 | 1/4"        | 8300 ( 572 )          |                       | 8300 ( 572 )          | ...3M-4N(R)   |          | 3 mm          | 1/4"        | 8300 ( 572 )          | 3771 ( 260 )          | 8300 ( 572 )      |
| ...2-1N(R)      |          | 1/8"                                  | 1/16"       | 10900 ( 752 )         | 3600 ( 248 )          | 10900 ( 752 )         | ...4M-2N(R)   |          | 4 mm          | 1/8"        |                       | 4279 ( 295 )          |                   |
| ...2-2N(R)      |          | 1/8"                                  | 1/8"        | 10000 ( 689 )         | 3600 ( 248 )          | 10000 ( 689 )         | ...4M-4N(R)   |          | 4 mm          | 1/4"        |                       | 4100 ( 283 )          |                   |
| ...2-4N(R)      |          | 1/8"                                  | 1/4"        | 8300 ( 572 )          | 3600 ( 248 )          | 8300 ( 572 )          | ...6M-2N(R)   |          | 6 mm          | 1/8"        | 9718 ( 670 )          | 3815 ( 263 )          | 9718 ( 670 )      |
| ...2-6N(R)      |          | 1/8"                                  | 3/8"        | 8000 ( 552 )          | 3600 ( 248 )          | 8000 ( 552 )          | ...6M-4N(R)   |          | 6 mm          | 1/4"        | 8300 ( 572 )          | 3815 ( 263 )          | 8300 ( 572 )      |
| ...2-8N(R)      |          | 1/8"                                  | 1/2"        | 7800 ( 538 )          | 3600 ( 248 )          | 7800 ( 538 )          | ...6M-6N(R)   |          | 6 mm          | 3/8"        | 8000 ( 552 )          | 3815 ( 263 )          | 8000 ( 552 )      |
| ...3-2N(R)      |          | 3/16"                                 | 1/8"        | 10000 ( 689 )         | 3400 ( 234 )          | 10000 ( 689 )         | ...6M-8N(R)   |          | 6 mm          | 1/2"        | 7800 ( 538 )          | 3815 ( 263 )          | 7800 ( 538 )      |
| ...3-4N(R)      |          | 3/16"                                 | 1/4"        | 8300 ( 572 )          | 3400 ( 234 )          | 8300 ( 572 )          | ...8M-2N(R)   |          | 8 mm          | 1/8"        | 7107 ( 490 )          | 2799 ( 193 )          | 7107 ( 490 )      |
| ...4-1N(R)      |          | 1/4"                                  | 1/16"       | 10200 ( 703 )         | 3500 ( 241 )          | 10200 ( 703 )         | ...8M-4N(R)   |          | 8 mm          | 1/4"        | 7107 ( 490 )          | 2799 ( 193 )          | 7107 ( 490 )      |
| ...4-2N(R)      |          | 1/4"                                  | 1/8"        | 10000 ( 689 )         | 3500 ( 241 )          | 10000 ( 689 )         | ...8M-6N(R)   |          | 8 mm          | 3/8"        | 7107 ( 490 )          | 2799 ( 193 )          | 7107 ( 490 )      |
| ...4-4N(R)      |          | 1/4"                                  | 1/4"        | 8300 ( 572 )          | 3500 ( 241 )          | 8300 ( 572 )          | ...8M-8N(R)   |          | 8 mm          | 1/2"        | 7107 ( 490 )          | 2799 ( 193 )          | 7107 ( 490 )      |
| ...4-6N(R)      |          | 1/4"                                  | 3/8"        | 8000 ( 552 )          | 3500 ( 241 )          | 8000 ( 552 )          | ...10M-2N(R)  |          | 10 mm         | 1/8"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...4-8N(R)      |          | 1/4"                                  | 1/2"        | 7800 ( 538 )          | 3500 ( 241 )          | 7800 ( 538 )          | ...10M-4N(R)  |          | 10 mm         | 1/4"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...4-12N(R)     |          | 1/4"                                  | 3/4"        | 7500 ( 517 )          | 3500 ( 241 )          | 7500 ( 517 )          | ...10M-6N(R)  |          | 10 mm         | 3/8"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...5-2N(R)      |          | 5/16"                                 | 1/8"        | 8000 ( 552 )          | 2700 ( 186 )          | 8000 ( 552 )          | ...10M-8N(R)  |          | 10 mm         | 1/2"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...5-4N(R)      |          | 5/16"                                 | 1/4"        | 8000 ( 552 )          | 2700 ( 186 )          | 8000 ( 552 )          | ...10M-12N(R) |          | 10 mm         | 3/4"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...5-6N(R)      |          | 5/16"                                 | 3/8"        | 8000 ( 552 )          | 2700 ( 186 )          | 8000 ( 552 )          | ...12M-2N(R)  |          | 12 mm         | 1/8"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...5-8N(R)      |          | 5/16"                                 | 1/2"        | 7800 ( 538 )          | 2700 ( 186 )          | 7800 ( 538 )          | ...12M-4N(R)  |          | 12 mm         | 1/4"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...6-2N(R)      |          | 3/8"                                  | 1/8"        | 8600 ( 593 )          | 2200 ( 152 )          | 8600 ( 593 )          | ...12M-6N(R)  |          | 12 mm         | 3/8"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...6-4N(R)      |          | 3/8"                                  | 1/4"        | 8300 ( 572 )          | 2200 ( 152 )          | 8300 ( 572 )          | ...12M-8N(R)  |          | 12 mm         | 1/2"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...6-6N(R)      |          | 3/8"                                  | 3/8"        | 8000 ( 552 )          | 2200 ( 152 )          | 8000 ( 552 )          | ...12M-12N(R) |          | 12 mm         | 3/4"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...6-8N(R)      |          | 3/8"                                  | 1/2"        | 7800 ( 538 )          | 2200 ( 152 )          | 7800 ( 538 )          | ...14M-4N(R)  |          | 14 mm         | 1/4"        |                       | 3031 ( 209 )          |                   |
| ...6-12N(R)     |          | 3/8"                                  | 3/4"        | 7500 ( 517 )          | 2200 ( 152 )          | 7500 ( 517 )          | ...14M-6N(R)  |          | 14 mm         | 3/8"        |                       | 3031 ( 209 )          |                   |
| ...6-16N(R)     |          | 3/8"                                  | 1"          | 5300 ( 365 )          | 2200 ( 152 )          | 5300 ( 365 )          | ...14M-8N(R)  |          | 14 mm         | 1/2"        |                       | 3031 ( 209 )          |                   |
| ...8-2N(R)      |          | 1/2"                                  | 1/8"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...15M-8N(R)  |          | 15 mm         | 1/2"        | 5802 ( 400 )          |                       | 5802 ( 400 )      |
| ...8-4N(R)      |          | 1/2"                                  | 1/4"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...16M-4N(R)  |          | 16 mm         | 1/4"        | 5366 ( 370 )          | 2611 ( 180 )          | 5366 ( 370 )      |
| ...8-6N(R)      |          | 1/2"                                  | 3/8"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...16M-6N(R)  |          | 16 mm         | 3/8"        | 5366 ( 370 )          | 2611 ( 180 )          | 5366 ( 370 )      |
| ...8-8N(R)      |          | 1/2"                                  | 1/2"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...16M-8N(R)  |          | 16 mm         | 1/2"        | 5366 ( 370 )          | 2611 ( 180 )          | 5366 ( 370 )      |
| ...8-12N(R)     |          | 1/2"                                  | 3/4"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...16M-12N(R) |          | 16 mm         | 3/4"        | 5366 ( 370 )          | 2611 ( 180 )          | 5366 ( 370 )      |
| ...8-16N(R)     |          | 1/2"                                  | 1"          | 5300 ( 365 )          | 2100 ( 145 )          | 5300 ( 365 )          | ...18M-8N(R)  |          | 18 mm         | 1/2"        | 5366 ( 370 )          | 2306 ( 159 )          | 5366 ( 370 )      |
| ...10-4N(R)     |          | 5/8"                                  | 1/4"        | 6000 ( 414 )          | 1900 ( 131 )          | 6000 ( 414 )          | ...18M-12N(R) |          | 18 mm         | 3/4"        | 5366 ( 370 )          | 2306 ( 159 )          | 5366 ( 370 )      |
| ...10-6N(R)     |          | 5/8"                                  | 3/8"        | 6000 ( 414 )          | 1900 ( 131 )          | 6000 ( 414 )          | ...20M-8N(R)  |          | 20 mm         | 1/2"        | 5511 ( 380 )          |                       | 5511 ( 380 )      |
| ...10-8N(R)     |          | 5/8"                                  | 1/2"        | 6000 ( 414 )          | 1900 ( 131 )          | 6000 ( 414 )          | ...20M-12N(R) |          | 20 mm         | 3/4"        | 5511 ( 380 )          |                       | 5511 ( 380 )      |
| ...10-12N(R)    |          | 5/8"                                  | 3/4"        | 6000 ( 414 )          | 1900 ( 131 )          | 6000 ( 414 )          | ...22M-12N(R) |          | 22 mm         | 3/4"        | 4931 ( 340 )          | 1827 ( 126 )          | 4931 ( 340 )      |
| ...12-6N(R)     |          | 3/4"                                  | 3/8"        | 6400 ( 441 )          | 1800 ( 124 )          | 6400 ( 441 )          | ...22M-16N(R) |          | 22 mm         | 1"          | 4931 ( 340 )          | 1827 ( 126 )          | 4931 ( 340 )      |
| ...12-8N(R)     |          | 3/4"                                  | 1/2"        | 6400 ( 441 )          | 1800 ( 124 )          | 6400 ( 441 )          | ...25M-8N(R)  |          | 25 mm         | 1/2"        | 4641 ( 320 )          | 1595 ( 110 )          | 4641 ( 320 )      |
| ...12-12N(R)    |          | 3/4"                                  | 3/4"        | 6400 ( 441 )          | 1800 ( 124 )          | 6400 ( 441 )          | ...25M-12N(R) |          | 25 mm         | 3/4"        | 4641 ( 320 )          | 1595 ( 110 )          | 4641 ( 320 )      |
| ...12-16N(R)    |          | 3/4"                                  | 1"          | 5300 ( 365 )          | 1800 ( 124 )          | 5300 ( 365 )          | ...25M-16N(R) |          | 25 mm         | 1"          | 4641 ( 320 )          | 1595 ( 110 )          | 4641 ( 320 )      |
| ...14-8N(R)     |          | 7/8"                                  | 1/2"        | 6100 ( 421 )          | 1500 ( 103 )          | 6100 ( 421 )          | ...28M-16N(R) |          | 28 mm         | 1"          | 4786 ( 330 )          |                       | 4786 ( 330 )      |
| ...14-12N(R)    |          | 7/8"                                  | 3/4"        | 6100 ( 421 )          | 1500 ( 103 )          | 6100 ( 421 )          | ...28M-20N(R) |          | 28 mm         | 1 1/4"      | 4786 ( 330 )          |                       | 4786 ( 330 )      |
| ...14-16N(R)    |          | 7/8"                                  | 1"          | 5300 ( 365 )          | 1500 ( 103 )          | 5300 ( 365 )          | ...30M-20N(R) |          | 30 mm         | 1 1/4"      |                       |                       |                   |
| ...16-6N(R)     |          | 1"                                    | 3/8"        | 6200 ( 427 )          | 1500 ( 103 )          | 6200 ( 427 )          | ...32M-20N(R) |          | 32 mm         | 1 1/4"      | 4786 ( 330 )          |                       | 4786 ( 330 )      |
| ...16-8N(R)     |          | 1"                                    | 1/2"        | 6200 ( 427 )          | 1500 ( 103 )          | 6200 ( 427 )          | ...38M-24N(R) |          | 38 mm         | 1 1/2"      | 4496 ( 310 )          |                       | 4496 ( 310 )      |
| ...16-12N(R)    |          | 1"                                    | 3/4"        | 6200 ( 427 )          | 1500 ( 103 )          | 6200 ( 427 )          |               |          |               |             |                       |                       |                   |
| ...16-16N(R)    |          | 1"                                    | 1"          | 5300 ( 365 )          | 1500 ( 103 )          | 5300 ( 365 )          |               |          |               |             |                       |                       |                   |
| ...20-16N(R)    |          | 1 1/4"                                | 1"          | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...20-20N(R)    |          | 1 1/4"                                | 1 1/4"      | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...20-24N(R)    |          | 1 1/4"                                | 1 1/2"      | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...24-16N(R)    |          | 1 1/2"                                | 1"          | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...24-20N(R)    |          | 1 1/2"                                | 1 1/4"      | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...24-24N(R)    |          | 1 1/2"                                | 1 1/2"      | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...24-32N(R)    |          | 1 1/2"                                | 2"          | 4000 ( 276 )          |                       | 4000 ( 276 )          |               |          |               |             |                       |                       |                   |
| ...32-8N(R)     |          | 2"                                    | 1/2"        | 3600 ( 248 )          |                       | 3600 ( 248 )          |               |          |               |             |                       |                       |                   |
| ...32-20N(R)    |          | 2"                                    | 1 1/4"      | 3600 ( 248 )          |                       | 3600 ( 248 )          |               |          |               |             |                       |                       |                   |
| ...32-24N(R)    |          | 2"                                    | 1 1/2"      | 3600 ( 248 )          |                       | 3600 ( 248 )          |               |          |               |             |                       |                       |                   |
| ...32-32N(R)    |          | 2"                                    | 2"          | 3600 ( 248 )          |                       | 3600 ( 248 )          |               |          |               |             |                       |                       |                   |



**Tabela nr 20. Ciśnienia robocze dla złączy Dk-Lok z gwintami zewnętrznymi i wpuszczanym o-ringiem**

| Rodzaj złączki:    |  | DAM, DMC, DMCS, DLS, DLBS, DTRS, DTBS |             |                       |                       |                    |  |               |             |                       |                       |
|--------------------|--|---------------------------------------|-------------|-----------------------|-----------------------|--------------------|--|---------------|-------------|-----------------------|-----------------------|
| Materiał           |  | śr. zew. rury                         | gwint zewn. | -S (AISI316)          | -C (Stal węglowa)     | Materiał           |  | śr. zew. rury | gwint zewn. | -S (AISI316)          | -C (Stal węglowa)     |
| Część kodu         |  |                                       |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) | Część kodu         |  |               |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |
| ... 2-2U(UO)(UP)   |  | 1/8"                                  | 1/8"        | 6000 ( 414 )          | 6000 ( 414 )          | ... 6M-6U(UO)(UP)  |  | 6 mm          | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          |
| ... 4-4U(UO)(UP)   |  | 1/4"                                  | 1/4"        | 6000 ( 414 )          | 6000 ( 414 )          | ... 10M-6U(UO)(UP) |  | 10 mm         | 3/8"        | 5511 ( 380 )          | 5511 ( 380 )          |
| ... 4-6U(UO)(UP)   |  | 1/4"                                  | 3/8"        | 6000 ( 414 )          | 6000 ( 414 )          | ... 10M-8U(UO)(UP) |  | 10 mm         | 1/2"        | 5511 ( 380 )          | 5511 ( 380 )          |
| ... 4-8U(UO)(UP)   |  | 1/4"                                  | 1/2"        | 6000 ( 414 )          | 6000 ( 414 )          | ... 12M-4U(UO)(UP) |  | 12 mm         | 1/4"        | 5900 ( 407 )          | 5900 ( 407 )          |
| ... 4-10U(UO)(UP)  |  | 1/4"                                  | 5/8"        | 6000 ( 414 )          | 6000 ( 414 )          | ... 12M-6U(UO)(UP) |  | 12 mm         | 3/8"        | 5900 ( 407 )          | 5900 ( 407 )          |
| ... 5-5U(UO)(UP)   |  | 5/16"                                 | 5/16"       | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 6-4U(UO)(UP)   |  | 3/8"                                  | 1/4"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 6-6U(UO)(UP)   |  | 3/8"                                  | 3/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 6-8U(UO)(UP)   |  | 3/8"                                  | 1/2"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 6-10U(UO)(UP)  |  | 3/8"                                  | 5/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 8-6U(UO)(UP)   |  | 1/2"                                  | 3/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 8-8U(UO)(UP)   |  | 1/2"                                  | 1/2"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 8-10U(UO)(UP)  |  | 1/2"                                  | 5/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 8-12U(UO)(UP)  |  | 1/2"                                  | 3/4"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 10-8U(UO)(UP)  |  | 5/8"                                  | 1/2"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 10-10U(UO)(UP) |  | 5/8"                                  | 5/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 12-8U(UO)(UP)  |  | 3/4"                                  | 1/2"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 12-12U(UO)(UP) |  | 3/4"                                  | 3/4"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 14-14U(UO)(UP) |  | 7/8"                                  | 7/8"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 16-12U(UO)(UP) |  | 1"                                    | 3/4"        | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 16-16U(UO)(UP) |  | 1"                                    | 1"          | 6000 ( 414 )          | 6000 ( 414 )          |                    |  |               |             |                       |                       |
| ... 20-20U(UO)(UP) |  | 1 1/4"                                | 1 1/4"      |                       |                       |                    |  |               |             |                       |                       |
| ... 24-24U(UO)(UP) |  | 1 1/2"                                | 1 1/2"      |                       |                       |                    |  |               |             |                       |                       |
| ... 32-32U(UO)(UP) |  | 2"                                    | 2"          |                       |                       |                    |  |               |             |                       |                       |

**Tabela nr 21. Ciśnienia robocze dla złączy Dk-Lok z gwintami wewnętrznymi stożkowymi typu NPT lub BSPT**

| Rodzaj złączki: |          | DCF, DCBF, DLF, DTRF, DTBF, DAF |             |                       |                       |                       |               |          |               |             |                       |                       |                   |
|-----------------|----------|---------------------------------|-------------|-----------------------|-----------------------|-----------------------|---------------|----------|---------------|-------------|-----------------------|-----------------------|-------------------|
| Część kodu      | Materiał | śr. zew. rury                   | gwint zewn. | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa)     | Część kodu    | Materiał | śr. zew. rury | gwint zewn. | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa) |
|                 |          |                                 |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |               |          |               |             | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |                   |
| ...1-1N(R)      |          | 1/16"                           | 1/16"       | 6600 ( 455 )          |                       | 6600 ( 455 )          | ...3M-2N(R)   |          | 3 mm          | 1/8"        |                       | 3200 ( 221 )          |                   |
| ...1-2N(R)      |          | 1/16"                           | 1/8"        | 6400 ( 441 )          |                       | 6400 ( 441 )          | ...3M-4N(R)   |          | 3 mm          | 3/16"       | 6500 ( 448 )          | 3200 ( 221 )          | 6500 ( 448 )      |
| ...2-2N(R)      |          | 1/8"                            | 1/8"        | 6400 ( 441 )          | 3200 ( 221 )          | 6400 ( 441 )          | ...4M-2N(R)   |          | 4 mm          | 1/8"        |                       | 3200 ( 221 )          |                   |
| ...2-4N(R)      |          | 1/8"                            | 1/4"        | 6500 ( 448 )          | 3200 ( 221 )          | 6500 ( 448 )          | ...6M-2N(R)   |          | 6 mm          | 1/8"        | 6400 ( 441 )          | 3200 ( 221 )          | 6400 ( 441 )      |
| ...3-2N(R)      |          | 3/16"                           | 1/8"        | 6400 ( 441 )          | 3200 ( 221 )          | 6400 ( 441 )          | ...6M-4N(R)   |          | 6 mm          | 1/4"        | 6500 ( 448 )          | 3200 ( 221 )          | 6500 ( 448 )      |
| ...4-2N(R)      |          | 1/4"                            | 1/8"        | 6400 ( 441 )          | 3200 ( 221 )          | 6400 ( 441 )          | ...6M-6N(R)   |          | 6 mm          | 3/8"        | 5200 ( 359 )          | 2600 ( 179 )          | 5200 ( 359 )      |
| ...4-4N(R)      |          | 1/4"                            | 1/4"        | 6500 ( 448 )          | 3200 ( 221 )          | 6500 ( 448 )          | ...6M-8N(R)   |          | 6 mm          | 1/2"        | 4800 ( 331 )          | 2400 ( 165 )          | 4800 ( 331 )      |
| ...4-6N(R)      |          | 1/4"                            | 3/8"        | 5200 ( 359 )          | 2600 ( 179 )          | 5200 ( 359 )          | ...8M-2N(R)   |          | 8 mm          | 1/8"        | 6400 ( 441 )          | 2799 ( 193 )          | 6400 ( 441 )      |
| ...4-8N(R)      |          | 1/4"                            | 1/2"        | 4800 ( 331 )          | 2400 ( 165 )          | 4800 ( 331 )          | ...8M-4N(R)   |          | 8 mm          | 1/4"        | 6500 ( 448 )          | 2799 ( 193 )          | 6500 ( 448 )      |
| ...5-2N(R)      |          | 5/16"                           | 1/8"        | 6400 ( 441 )          | 2700 ( 186 )          | 6400 ( 441 )          | ...8M-6N(R)   |          | 8 mm          | 3/8"        | 5200 ( 359 )          | 2600 ( 179 )          | 5200 ( 359 )      |
| ...5-4N(R)      |          | 5/16"                           | 1/4"        | 6500 ( 448 )          | 2700 ( 186 )          | 6500 ( 448 )          | ...8M-8N(R)   |          | 8 mm          | 1/2"        | 4800 ( 331 )          | 2400 ( 165 )          | 4800 ( 331 )      |
| ...6-2N(R)      |          | 3/8"                            | 1/8"        | 6400 ( 441 )          | 2200 ( 152 )          | 6400 ( 441 )          | ...10M-2N(R)  |          | 10 mm         | 1/8"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...6-4N(R)      |          | 3/8"                            | 1/4"        | 6500 ( 448 )          | 2200 ( 152 )          | 6500 ( 448 )          | ...10M-4N(R)  |          | 10 mm         | 1/4"        | 5511 ( 380 )          | 2799 ( 193 )          | 5511 ( 380 )      |
| ...6-6N(R)      |          | 3/8"                            | 3/8"        | 5200 ( 359 )          | 2200 ( 152 )          | 5200 ( 359 )          | ...10M-6N(R)  |          | 10 mm         | 3/8"        | 5200 ( 359 )          | 2600 ( 179 )          | 5200 ( 359 )      |
| ...6-8N(R)      |          | 3/8"                            | 1/2"        | 4800 ( 331 )          | 2200 ( 152 )          | 4800 ( 331 )          | ...10M-8N(R)  |          | 10 mm         | 1/2"        | 4800 ( 331 )          | 2400 ( 165 )          | 4800 ( 331 )      |
| ...6-12N(R)     |          | 3/8"                            | 3/4"        | 4600 ( 317 )          | 2200 ( 152 )          | 4600 ( 317 )          | ...12M-2N(R)  |          | 12 mm         | 1/8"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...8-4N(R)      |          | 1/2"                            | 1/4"        | 6200 ( 427 )          | 2100 ( 145 )          | 6200 ( 427 )          | ...12M-4N(R)  |          | 12 mm         | 1/4"        | 6237 ( 430 )          | 2292 ( 158 )          | 6237 ( 430 )      |
| ...8-6N(R)      |          | 1/2"                            | 3/8"        | 5200 ( 359 )          | 2100 ( 145 )          | 5200 ( 359 )          | ...12M-6N(R)  |          | 12 mm         | 3/8"        | 5200 ( 359 )          | 2292 ( 158 )          | 5200 ( 359 )      |
| ...8-8N(R)      |          | 1/2"                            | 1/2"        | 4800 ( 331 )          | 2100 ( 145 )          | 4800 ( 331 )          | ...12M-8N(R)  |          | 12 mm         | 1/2"        | 4800 ( 331 )          | 2292 ( 158 )          | 4800 ( 331 )      |
| ...8-12N(R)     |          | 1/2"                            | 3/4"        | 4600 ( 317 )          | 2100 ( 145 )          | 4600 ( 317 )          | ...12M-12N(R) |          | 12 mm         | 3/4"        | 4600 ( 317 )          | 2292 ( 158 )          | 4600 ( 317 )      |
| ...10-6N(R)     |          | 5/8"                            | 3/8"        | 5200 ( 359 )          | 1900 ( 131 )          | 5200 ( 359 )          | ...15M-8N(R)  |          | 15 mm         | 1/2"        | 4800 ( 331 )          |                       | 4800 ( 331 )      |
| ...10-8N(R)     |          | 5/8"                            | 1/2"        | 4800 ( 331 )          | 1900 ( 131 )          | 4800 ( 331 )          | ...16M-8N(R)  |          | 16 mm         | 1/2"        | 4800 ( 331 )          | 2400 ( 165 )          | 4800 ( 331 )      |
| ...10-12N(R)    |          | 5/8"                            | 3/4"        | 4600 ( 317 )          | 1900 ( 131 )          | 4600 ( 317 )          | ...20M-8N(R)  |          | 20 mm         | 1/2"        |                       |                       |                   |
| ...12-8N(R)     |          | 3/4"                            | 1/2"        | 4800 ( 331 )          | 1800 ( 124 )          | 4800 ( 331 )          | ...20M-12N(R) |          | 20 mm         | 3/4"        | 4600 ( 317 )          |                       | 4600 ( 317 )      |
| ...12-12N(R)    |          | 3/4"                            | 3/4"        | 4600 ( 317 )          | 1800 ( 124 )          | 4600 ( 317 )          | ...22M-12N(R) |          | 22 mm         | 3/4"        | 4600 ( 317 )          | 1827 ( 126 )          | 4600 ( 317 )      |
| ...14-12N(R)    |          | 7/8"                            | 3/4"        | 4600 ( 317 )          | 1500 ( 103 )          | 4600 ( 317 )          | ...22M-16N(R) |          | 22 mm         | 1"          | 4400 ( 303 )          | 1827 ( 126 )          | 4400 ( 303 )      |
| ...16-12N(R)    |          | 1"                              | 3/4"        | 4600 ( 317 )          | 1500 ( 103 )          | 4600 ( 317 )          | ...25M-12N(R) |          | 25 mm         | 3/4"        | 4600 ( 317 )          | 1595 ( 110 )          | 4600 ( 317 )      |
| ...16-16N(R)    |          | 1"                              | 1"          | 4400 ( 303 )          | 1500 ( 103 )          | 4400 ( 303 )          | ...25M-16N(R) |          | 25 mm         | 1"          | 4400 ( 303 )          | 1595 ( 110 )          | 4400 ( 303 )      |
| ...20-20N(R)    |          | 1 1/4"                          | 1 1/4"      | 4900 ( 338 )          |                       | 4900 ( 338 )          |               |          |               |             |                       |                       |                   |
| ...24-24N(R)    |          | 1 1/2"                          | 1 1/2"      | 4500 ( 310 )          |                       | 4500 ( 310 )          |               |          |               |             |                       |                       |                   |
| ...32-32N(R)    |          | 2"                              | 2"          | 3600 ( 248 )          |                       | 3600 ( 248 )          |               |          |               |             |                       |                       |                   |

# Informacje techniczne

**Tabela nr 22. Ciśnienia robocze dla złączy z portami Dk-Lok lub adaptorami**

| Rodzaj złączki: |          | DU, DL, DT, DX, DUB, DBL, DUR, DLR, DXR, DTR, DR, DAB, DLA, DTRA, DTBA, DCP, DCRP, DBUW, DP, DC, DN |                       |                       |                       |            |          |               |                       |                       |                       |
|-----------------|----------|-----------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------|----------|---------------|-----------------------|-----------------------|-----------------------|
| Część kodu      | Materiał | śr. zew. rury                                                                                       | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa)     | Część kodu | Materiał | śr. zew. rury | -S (AISI316)          | -B (Mosiądz)          | -C (Stal węglowa)     |
|                 |          |                                                                                                     | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |            |          |               | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |
| ...-1           |          | 1/16"                                                                                               | 12000 ( 827 )         |                       |                       | ...-2M     |          | 2 mm          |                       |                       |                       |
| ...-2           |          | 1/8"                                                                                                | 10900 ( 752 )         | 3600 ( 248 )          | 10200 ( 703 )         | ...-3M     |          | 3 mm          | 10298 ( 710 )         | 3771 ( 260 )          | 12038 ( 830 )         |
| ...-3           |          | 3/16"                                                                                               | 10200 ( 703 )         | 3400 ( 234 )          | 9600 ( 662 )          | ...-4M     |          | 4 mm          |                       | 4279 ( 295 )          |                       |
| ...-4           |          | 1/4"                                                                                                | 10200 ( 703 )         | 3500 ( 241 )          | 9600 ( 662 )          | ...-6M     |          | 6 mm          | 9718 ( 670 )          | 3815 ( 263 )          | 9137 ( 630 )          |
| ...-5           |          | 5/16"                                                                                               | 8000 ( 552 )          | 2700 ( 186 )          | 7600 ( 524 )          | ...-8M     |          | 8 mm          | 7107 ( 490 )          | 2799 ( 193 )          | 6672 ( 460 )          |
| ...-6           |          | 3/8"                                                                                                | 8600 ( 593 )          | 2200 ( 152 )          | 6200 ( 427 )          | ...-10M    |          | 10 mm         | 5511 ( 380 )          | 2799 ( 193 )          | 5221 ( 360 )          |
| ...-8           |          | 1/2"                                                                                                | 6200 ( 427 )          | 2100 ( 145 )          | 5900 ( 407 )          | ...-12M    |          | 12 mm         | 6237 ( 430 )          | 2292 ( 158 )          | 6527 ( 450 )          |
| ...-10          |          | 5/8"                                                                                                | 6000 ( 414 )          | 1900 ( 131 )          | 5300 ( 365 )          | ...-15M    |          | 15 mm         | 5802 ( 400 )          |                       | 5076 ( 350 )          |
| ...-12          |          | 3/4"                                                                                                | 6400 ( 441 )          | 1800 ( 124 )          | 5100 ( 352 )          | ...-16M    |          | 16 mm         | 5366 ( 370 )          | 2611 ( 180 )          | 5511 ( 380 )          |
| ...-14          |          | 7/8"                                                                                                | 6100 ( 421 )          | 1500 ( 103 )          | 4300 ( 296 )          | ...-18M    |          | 18 mm         | 5366 ( 370 )          | 2306 ( 159 )          | 4786 ( 330 )          |
| ...-16          |          | 1"                                                                                                  | 6200 ( 427 )          | 1500 ( 103 )          | 4100 ( 283 )          | ...-20M    |          | 20 mm         | 5511 ( 380 )          |                       | 4786 ( 330 )          |
| ...-20          |          | 1 1/4"                                                                                              | 4900 ( 338 )          |                       | 5000 ( 345 )          | ...-22M    |          | 22 mm         | 4931 ( 340 )          | 1827 ( 126 )          | 4351 ( 300 )          |
| ...-24          |          | 1 1/2"                                                                                              | 4900 ( 338 )          |                       | 5100 ( 352 )          | ...-25M    |          | 25 mm         | 4641 ( 320 )          | 1595 ( 110 )          | 4061 ( 280 )          |
| ...-32          |          | 2"                                                                                                  | 3600 ( 248 )          |                       | 3700 ( 255 )          | ...-28M    |          | 28 mm         | 4786 ( 330 )          |                       | 4206 ( 290 )          |
|                 |          |                                                                                                     |                       |                       |                       | ...-32M    |          | 32 mm         | 4786 ( 330 )          |                       | 4206 ( 290 )          |
|                 |          |                                                                                                     |                       |                       |                       | ...-38M    |          | 38 mm         | 4496 ( 310 )          |                       | 4061 ( 280 )          |

**Tabela nr 23. Ciśnienia robocze dla złączy Dk-Lok z gniazdami do spawania dla rur typu (TUBE)**

| Rodzaj złączki: |          | DCSW, DLSW    |                       |                       |
|-----------------|----------|---------------|-----------------------|-----------------------|
| Część kodu      | Materiał | śr. zew. rury | -S (AISI316)          | -C (Stal węglowa)     |
|                 |          |               | Ciśnienie psi ( bar ) | Ciśnienie psi ( bar ) |
| ... 2-2         |          | 1/8"          | 7000 ( 483 )          | 7000 ( 483 )          |
| ... 4-4         |          | 1/4"          | 7000 ( 483 )          | 7000 ( 483 )          |
| ... 6-6         |          | 3/8"          | 7000 ( 483 )          | 7000 ( 483 )          |
| ... 8-8         |          | 1/2"          | 6200 ( 427 )          | 6200 ( 427 )          |
| ... 12-12       |          | 3/4"          |                       |                       |
| ... 16-16       |          | 1"            |                       |                       |

**Tabela nr 24. Ciśnienia robocze dla złączy Dk-Lok z końcówkami do spawania dla rur typu (PIPE)**

| Rodzaj złączki: |          | DCW, DLW      |                        |               |                   |            |          |               |                        |               |                   |
|-----------------|----------|---------------|------------------------|---------------|-------------------|------------|----------|---------------|------------------------|---------------|-------------------|
| Część kodu      | Materiał | śr. zew. rury | śr. zew. rury spawanej | -S (AISI316)  | -C (Stal węglowa) | Część kodu | Materiał | śr. zew. rury | śr. zew. rury spawanej | -S (AISI316)  | -C (Stal węglowa) |
|                 |          |               |                        | Ciśnienie psi | Ciśnienie psi     |            |          |               |                        | Ciśnienie psi | Ciśnienie psi     |
| ...2-2P         |          | 1/8"          | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...3M-2P   |          | 3 mm          | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...3-2P         |          | 3/16"         | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...4M-2P   |          | 4 mm          | 10.29 mm (1/8")        |               |                   |
| ...4-2P         |          | 1/4"          | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...6M-2P   |          | 6 mm          | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...4-4P         |          | 1/4"          | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      | ...6M-4P   |          | 6 mm          | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...5-2P         |          | 5/16"         | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...8M-2P   |          | 8 mm          | 10.29 mm (1/8")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...5-4P         |          | 5/16"         | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      | ...8M-4P   |          | 8 mm          | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...6-4P         |          | 3/8"          | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      | ...8M-8P   |          | 8 mm          | 21.34 mm (1/2")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...6-6P         |          | 3/8"          | 17.15 mm (3/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...10M-4P  |          | 10 mm         | 13.72 mm (1/4")        | 5511 ( 380 )  | 5511 ( 380 )      |
| ...6-8P         |          | 3/8"          | 21.34 mm (1/2")        | 6000 ( 414 )  | 6000 ( 414 )      | ...10M-6P  |          | 10 mm         | 17.15 mm (3/8")        | 5511 ( 380 )  | 5511 ( 380 )      |
| ...8-6P         |          | 1/2"          | 17.15 mm (3/8")        | 6000 ( 414 )  | 6000 ( 414 )      | ...10M-8P  |          | 10 mm         | 21.34 mm (1/2")        | 5511 ( 380 )  | 5511 ( 380 )      |
| ...8-8P         |          | 1/2"          | 21.34 mm (1/2")        | 6000 ( 414 )  | 6000 ( 414 )      | ...12M-4P  |          | 12 mm         | 13.72 mm (1/4")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...8-12P        |          | 1/2"          | 26.67 mm (3/4")        | 6000 ( 414 )  | 6000 ( 414 )      | ...12M-6P  |          | 12 mm         | 17.15 mm (3/8")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...10-8P        |          | 5/8"          | 21.34 mm (1/2")        | 6000 ( 414 )  | 6000 ( 414 )      | ...12M-8P  |          | 12 mm         | 21.34 mm (1/2")        | 6000 ( 414 )  | 6000 ( 414 )      |
| ...12-12P       |          | 3/4"          | 26.67 mm (3/4")        | 6000 ( 414 )  | 6000 ( 414 )      | ...14M-6P  |          | 14 mm         | 17.15 mm (3/8")        |               |                   |
| ...16-16P       |          | 1"            | 33.40 mm (1")          |               |                   | ...15M-8P  |          | 15 mm         | 21.34 mm (1/2")        | 5802 ( 400 )  | 5802 ( 400 )      |
| ...20-20P       |          | 1 1/4"        | 42.16 mm (1 1/4")      |               |                   | ...16M-8P  |          | 16 mm         | 21.34 mm (1/2")        | 5366 ( 370 )  | 5366 ( 370 )      |
| ...24-24P       |          | 1 1/2"        | 48.26 mm (1 1/2")      |               |                   | ...18M-8P  |          | 18 mm         | 21.34 mm (1/2")        | 5366 ( 370 )  | 5366 ( 370 )      |
| ...32-32P       |          | 2"            | 60.33 mm (2")          |               |                   | ...32M-20P |          | 32 mm         | 42.16 mm (1 1/4")      |               |                   |
|                 |          |               |                        |               |                   | ...38M-24P |          | 38 mm         | 48.26 mm (1 1/2")      |               |                   |

## Kodyfikacja

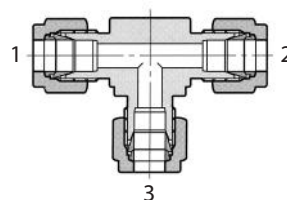
Aby zamówić złącze określonego materiału należy na końcu kodu dopisać odpowiednią literę / ciąg znaków określających dany materiał. Oznaczenia materiałów zostały określone w tabeli 25.

Przykład: DU-8-S

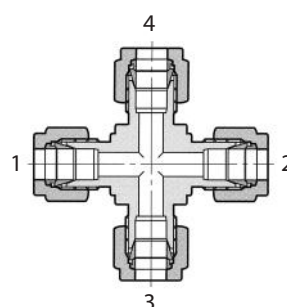
**Tabela 25. Oznaczenia materiałów**

| Materiał                 | Oznaczenie |
|--------------------------|------------|
| Stal nierdzewna 316/316L | S          |
| Mosiądz                  | B          |
| Stal węglowa             | C          |
| Duplex                   | D          |
| Super Duplex             | SD         |
| Aluminium                | AL         |
| Alloy 20                 | L20        |
| Hastelloy C276           | HC         |
| Alloy 400                | M          |
| Alloy 600                | IN         |
| Alloy 625                | L625       |
| Alloy 825                | L825       |
| Tytan Gr. 2              | TI         |
| PTFE                     | PE         |

## Oznaczenie złączy typu T i złączy krzyżowych



Złącza T opisane są cyframi 1-3 natomiast złącza krzyżowe cyframi 1-4.



Sposób opisu poszczególnych przyłączy został pokazany na rysunkach obok.

| Śred. rury (cale) | 1/16 | 1/8 | 1/4 | 3/8 | 1/2 | 3/4 | 1  | 1 1/4 | 1 1/2 | 2  |
|-------------------|------|-----|-----|-----|-----|-----|----|-------|-------|----|
| Oznaczenie        | 1    | 2   | 4   | 6   | 8   | 12  | 16 | 20    | 24    | 32 |

**Tabela 26. Oznaczenia rozmiarów przyłączy rurowych DK-LOK**

| Śred. zewn. (cale) | 1/16 | 1/8  | 3/16 | 1/4  | 5/16 | 3/8   | 1/2   | 5/8   | 3/4   | 7/8   | 1     | 1 1/4 | 1 1/2 | 2     |
|--------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Oznaczenie         | 1    | 2    | 3    | 4    | 5    | 6     | 8     | 10    | 12    | 14    | 16    | 20    | 24    | 32    |
| Śred. zewn. (mm)   | 2 mm | 3 mm | 4 mm | 6 mm | 8 mm | 10 mm | 12 mm | 16 mm | 20 mm | 22 mm | 25 mm | 28 mm | 32 mm | 38 mm |
| Oznaczenie         | 2M   | 3M   | 4M   | 6M   | 8M   | 10M   | 12M   | 16M   | 20M   | 22M   | 25M   | 28M   | 32M   | 38M   |

## Złącza jednopierścieniowe DK-LOK seria Z



### Materiał

Złącza DK-LOK jednopierścieniowe seria Z produkowane są tylko ze stali nierdzewnej AISI316.

### Ciśnienie i temperatura robocza

Wartości ciśnienia roboczego i temperatury roboczej są identyczne jak standardowe złącza.

### Wymiary

Wymiary złączy DK-LOK seria Z są identyczne jak standardowe złącza DK-LOK.

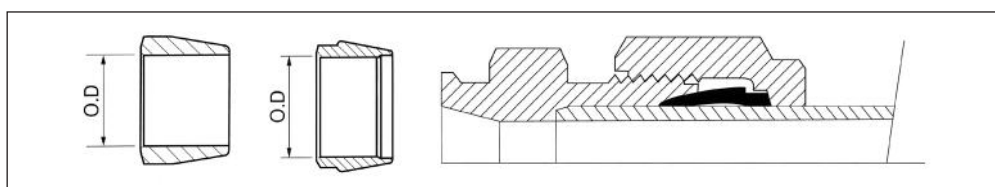
### Kodyfikacja

Aby zamówić złącza DK-LOK seria Z należy dodać literę Z do standardowego kodu.

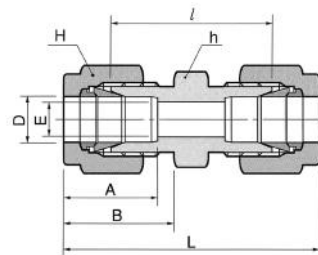
Przykład: DUZ-8-S, DMCZ8-8N-S, DNZ-4-S

## Oznaczenie pierścieni serii Z

| Kod    | Średnica rury |
|--------|---------------|
| DFZ-4  | 1/4           |
| DFZ-6  | 3/8           |
| DFZ-8  | 1/2           |
| DFZ-12 | 3/4           |
| DFZ-16 | 1             |



Wartości ciśnień dla złączki DU  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur stalowych

DU-...

| Kod   | Średnica zewn. rury |       | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L      |
|-------|---------------------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|
|       | D                   |       |       | h                              |       | H     |       |       |       |       |        |
|       | in                  | mm    |       | min                            | in    | mm    | in    |       |       |       |        |
| DU-1  | 1/16                | 1.59  | 1.27  | 5/16                           | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 17.50 | 25.15  |
| DU-2  | 1/8                 | 3.17  | 2.28  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 22.35 | 35.56  |
| DU-3  | 3/16                | 4.76  | 3.04  | 7/16                           | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 24.13 | 37.33  |
| DU-4  | 1/4                 | 6.35  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 26.16 | 40.89  |
| DU-5  | 5/16                | 7.93  | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 28.19 | 42.92  |
| DU-6  | 3/8                 | 9.52  | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 30.22 | 44.95  |
| DU-8  | 1/2                 | 12.70 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 30.98 | 51.30  |
| DU-10 | 5/8                 | 15.87 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 31.75 | 52.07  |
| DU-12 | 3/4                 | 19.05 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 33.27 | 53.59  |
| DU-14 | 7/8                 | 22.22 | 18.28 | 1-3/16                         | 30.16 | 1-1/4 | 31.75 | 25.90 | 21.84 | 35.05 | 55.37  |
| DU-16 | 1                   | 25.40 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 40.38 | 64.77  |
| DU-20 | 1-1/4               | 31.75 | 27.68 | 1-3/4                          | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 48.00 | 92.20  |
| DU-24 | 1-1/2               | 38.10 | 33.90 | 2-1/8                          | 53.97 | 2-1/4 | 57.15 | 50.03 | 45.21 | 53.60 | 107.95 |
| DU-32 | 2                   | 50.80 | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 74.70 | 149.35 |

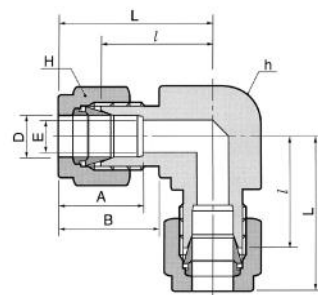
## Połączenie rur metrycznych

DU-...M

| Kod    | Śr. zewn. rury | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | L     |
|--------|----------------|----------|--------------------|----|------|------|------|-------|
|        | D              |          | h                  | H  |      |      |      |       |
| DU-2M  | 2              | 1.7      | 12                 | 12 | 12.9 | 15.3 | 22.4 | 35.6  |
| DU-3M  | 3              | 2.4      | 12                 | 12 | 12.9 | 15.3 | 22.1 | 35.3  |
| DU-4M  | 4              | 2.4      | 12                 | 12 | 13.7 | 16.1 | 24.1 | 37.3  |
| DU-6M  | 6              | 4.8      | 14                 | 14 | 15.3 | 17.7 | 26.2 | 41.0  |
| DU-8M  | 8              | 6.4      | 15                 | 16 | 16.2 | 18.6 | 28.2 | 43.2  |
| DU-10M | 10             | 7.9      | 18                 | 19 | 17.2 | 19.5 | 31.0 | 46.2  |
| DU-12M | 12             | 9.5      | 22                 | 22 | 22.8 | 22.0 | 31.0 | 51.2  |
| DU-15M | 15             | 11.9     | 24                 | 25 | 24.4 | 22.0 | 31.8 | 52.0  |
| DU-16M | 16             | 12.7     | 24                 | 25 | 24.4 | 22.0 | 31.8 | 52.0  |
| DU-18M | 18             | 15.1     | 27                 | 30 | 24.4 | 22.0 | 33.3 | 53.5  |
| DU-20M | 20             | 15.9     | 30                 | 32 | 26.0 | 22.0 | 34.8 | 55.0  |
| DU-22M | 22             | 18.3     | 30                 | 32 | 26.0 | 22.0 | 34.8 | 55.0  |
| DU-25M | 25             | 21.8     | 35                 | 38 | 31.3 | 26.5 | 40.4 | 65.0  |
| DU-28M | 28             | 21.8     | 41                 | 46 | 36.6 | 36.6 | 43.4 | 85.0  |
| DU-32M | 32             | 28.6     | 46                 | 50 | 42.0 | 41.6 | 51.3 | 97.3  |
| DU-38M | 38             | 33.7     | 55                 | 60 | 49.4 | 47.9 | 58.4 | 113.6 |



Wartości ciśnień dla złączki DL  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur stalowych

DL-...

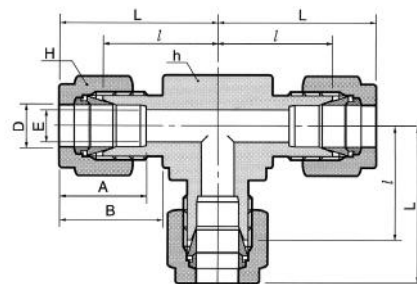
| Kod   | Średnica zewn. rury |       | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L      |
|-------|---------------------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|
|       | D                   |       |       | h                              |       | H     |       |       |       |       |        |
|       | in                  | mm    |       | min                            | in    | mm    | in    |       |       |       |        |
| DL-1  | 1/16                | 1.59  | 1.27  | 3/8                            | 9.52  | 5/16  | 7.93  | 8.63  | 10.92 | 14.00 | 17.88  |
| DL-2  | 1/8                 | 3.17  | 2.28  | 3/8                            | 9.52  | 7/16  | 11.11 | 12.70 | 15.24 | 15.74 | 22.35  |
| DL-3  | 3/16                | 4.76  | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 17.78 | 24.38  |
| DL-4  | 1/4                 | 6.35  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92  |
| DL-5  | 5/16                | 7.93  | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70  |
| DL-6  | 3/8                 | 9.52  | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  |
| DL-8  | 1/2                 | 12.70 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  |
| DL-10 | 5/8                 | 15.87 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.70 | 38.80  |
| DL-12 | 3/4                 | 19.05 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  |
| DL-14 | 7/8                 | 22.22 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  |
| DL-16 | 1                   | 25.40 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  |
| DL-20 | 1-1/4               | 31.75 | 27.68 | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  |
| DL-24 | 1-1/2               | 38.10 | 33.90 | 2                              | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  |
| DL-32 | 2                   | 50.80 | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 69.80 | 107.18 |

## Połączenie rur metrycznych

DL-...M

| Kod    | Śr. zewn. rury | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | L    |
|--------|----------------|----------|--------------------|----|------|------|------|------|
|        | D              |          | h                  | H  |      |      |      |      |
| DL-2M  | 2              | 1.7      | 9.5                | 12 | 12.9 | 15.3 | 15.7 | 22.3 |
| DL-3M  | 3              | 2.4      | 9.5                | 12 | 12.9 | 15.3 | 15.7 | 22.3 |
| DL-4M  | 4              | 2.4      | 12.7               | 12 | 13.7 | 16.4 | 18.8 | 25.4 |
| DL-6M  | 6              | 4.8      | 12.7               | 14 | 15.3 | 17.7 | 19.6 | 27.0 |
| DL-8M  | 8              | 6.4      | 14.3               | 16 | 16.2 | 18.6 | 21.3 | 28.8 |
| DL-10M | 10             | 7.9      | 17.5               | 19 | 17.2 | 19.5 | 23.9 | 31.5 |
| DL-12M | 12             | 9.5      | 20.6               | 22 | 22.8 | 22.0 | 25.9 | 36.0 |
| DL-15M | 15             | 11.9     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DL-16M | 16             | 12.7     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DL-18M | 18             | 15.1     | 27.0               | 30 | 24.4 | 22.0 | 29.7 | 39.8 |
| DL-20M | 20             | 15.9     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DL-22M | 22             | 18.3     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DL-25M | 25             | 21.8     | 34.92              | 38 | 31.3 | 26.5 | 36.8 | 49.1 |
| DL-28M | 28             | 21.8     | 41.0               | 46 | 36.6 | 36.6 | 43.2 | 64.0 |
| DL-32M | 32             | 28.6     | 46.0               | 50 | 42.0 | 41.6 | 49.3 | 72.3 |
| DL-38M | 38             | 33.7     | 50.8               | 60 | 49.4 | 47.9 | 56.4 | 84.0 |

Wartości ciśnień dla złączki DT  
znajdują się w tabeli nr 22 na stronie 14



### Połączenie rur stalowych

**DT-...**

| Kod   | Średnica zewn. rury |       | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L      |
|-------|---------------------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|
|       | D                   |       |       | h                              |       | H     |       |       |       |       |        |
|       | in                  | mm    |       | in                             | mm    | in    | mm    |       |       |       |        |
| DT-1  | 1/16                | 1.59  | 1.27  | 3/8                            | 9.52  | 5/16  | 7.93  | 8.63  | 10.92 | 14.00 | 17.88  |
| DT-2  | 1/8                 | 3.17  | 2.28  | 3/8                            | 9.52  | 7/16  | 11.11 | 12.70 | 15.24 | 15.74 | 22.35  |
| DT-3  | 3/16                | 4.76  | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 17.78 | 24.38  |
| DT-4  | 1/4                 | 6.35  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92  |
| DT-5  | 5/16                | 7.93  | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70  |
| DT-6  | 3/8                 | 9.52  | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  |
| DT-8  | 1/2                 | 12.70 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  |
| DT-10 | 5/8                 | 15.87 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.70 | 38.80  |
| DT-12 | 3/4                 | 19.05 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  |
| DT-14 | 7/8                 | 22.22 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  |
| DT-16 | 1                   | 25.40 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  |
| DT-20 | 1-1/4               | 31.75 | 27.68 | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  |
| DT-24 | 1-1/2               | 38.10 | 33.90 | 2                              | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  |
| DT-32 | 2                   | 50.80 | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 69.80 | 107.18 |

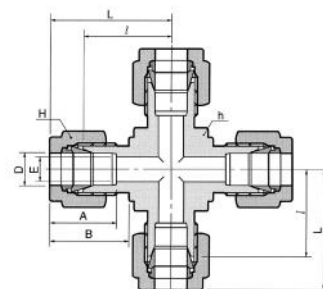
### Połączenie rur metrycznych

**DT-...M**

| Kod    | Śr. zewn. rury | E<br>min | Odl. pow. płaskich |    | A    | B    | I    | L    |
|--------|----------------|----------|--------------------|----|------|------|------|------|
|        | D              |          | h                  | H  |      |      |      |      |
| DT-2M  | 2              | 1.7      | 9.5                | 12 | 12.9 | 15.3 | 15.7 | 22.3 |
| DT-3M  | 3              | 2.4      | 9.5                | 12 | 12.9 | 15.3 | 15.7 | 22.3 |
| DT-4M  | 4              | 2.4      | 12.7               | 12 | 13.7 | 16.1 | 18.8 | 25.4 |
| DT-6M  | 6              | 4.8      | 12.7               | 14 | 15.3 | 17.7 | 19.6 | 27.0 |
| DT-8M  | 8              | 6.4      | 14.3               | 16 | 16.2 | 18.6 | 21.3 | 28.8 |
| DT-10M | 10             | 7.9      | 17.5               | 19 | 17.2 | 19.5 | 23.9 | 31.5 |
| DT-12M | 12             | 9.5      | 20.6               | 22 | 22.8 | 22.0 | 25.9 | 36.0 |
| DT-15M | 15             | 11.9     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DT-16M | 16             | 12.7     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DT-18M | 18             | 15.1     | 27.0               | 30 | 24.4 | 22.0 | 29.7 | 39.8 |
| DT-20M | 20             | 15.9     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DT-22M | 22             | 18.3     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DT-25M | 25             | 21.8     | 34.92              | 38 | 31.3 | 26.5 | 36.8 | 49.1 |
| DT-28M | 28             | 21.8     | 41.0               | 46 | 36.6 | 36.6 | 43.2 | 64.0 |
| DT-32M | 32             | 28.6     | 46.0               | 50 | 42.0 | 41.6 | 49.3 | 72.3 |
| DT-38M | 38             | 33.7     | 50.8               | 60 | 49.4 | 47.9 | 56.4 | 84.0 |

Wartości ciśnień dla złączki DX  
znajdują się w tabeli nr 22 na stronie 14

Uwaga:  
Korpus złącza krzyżowego może  
być wykonany z odlewu lub z pręta.



## Połączenie rur stalowych

DX-...

| Kod   | Średnica zewn. rury |       | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L      |
|-------|---------------------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|
|       | D                   |       |       | h                              |       | H     |       |       |       |       |        |
|       | in                  | mm    |       | min                            | in    | mm    | in    |       |       |       |        |
| DX-1  | 1/16                | 1.59  | 1.27  | 3/8                            | 9.52  | 5/16  | 7.93  | 8.63  | 10.92 | 14.00 | 17.88  |
| DX-2  | 1/8                 | 3.17  | 2.28  | 3/8                            | 9.52  | 7/16  | 11.11 | 12.70 | 15.24 | 15.74 | 22.35  |
| DX-3  | 3/16                | 4.76  | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 17.78 | 24.38  |
| DX-4  | 1/4                 | 6.35  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92  |
| DX-5  | 5/16                | 7.93  | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70  |
| DX-6  | 3/8                 | 9.52  | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  |
| DX-8  | 1/2                 | 12.70 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  |
| DX-10 | 5/8                 | 15.87 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.70 | 38.80  |
| DX-12 | 3/4                 | 19.05 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  |
| DX-14 | 7/8                 | 22.22 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  |
| DX-16 | 1                   | 25.40 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  |
| DX-20 | 1-1/4               | 31.75 | 27.68 | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  |
| DX-24 | 1-1/2               | 38.10 | 33.90 | 2                              | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  |
| DX-32 | 2                   | 50.80 | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 69.80 | 107.18 |

## Połączenie rur metrycznych

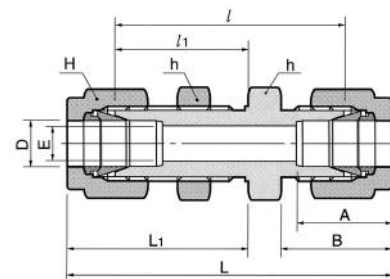
DX-...M

| Kod    | Śr. zewn. rury | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | L    |
|--------|----------------|----------|--------------------|----|------|------|------|------|
|        | D              |          | h                  | H  |      |      |      |      |
| DX-3M  | 3              | 2.4      | 9.5                | 12 | 12.9 | 15.3 | 15.7 | 22.3 |
| DX-4M  | 4              | 2.4      | 12.7               | 12 | 13.7 | 16.1 | 18.8 | 25.4 |
| DX-6M  | 6              | 4.8      | 12.7               | 14 | 15.3 | 17.7 | 19.6 | 27.0 |
| DX-8M  | 8              | 6.4      | 14.3               | 16 | 16.2 | 18.6 | 21.3 | 28.8 |
| DX-10M | 10             | 7.9      | 17.5               | 19 | 17.2 | 19.5 | 23.9 | 31.5 |
| DX-12M | 12             | 9.5      | 20.6               | 22 | 22.8 | 22.0 | 25.9 | 36.0 |
| DX-15M | 15             | 11.9     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DX-16M | 16             | 12.7     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 38.8 |
| DX-18M | 18             | 15.1     | 27.0               | 30 | 24.4 | 22.0 | 29.7 | 39.8 |
| DX-20M | 20             | 15.9     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DX-22M | 22             | 18.3     | 34.92              | 32 | 26.0 | 22.0 | 32.5 | 42.6 |
| DX-25M | 25             | 21.8     | 34.92              | 38 | 31.3 | 26.5 | 36.8 | 49.1 |
| DX-28M | 28             | 21.8     | 41.0               | 46 | 36.6 | 36.6 | 43.2 | 64.0 |
| DX-32M | 32             | 28.6     | 46.0               | 50 | 42.0 | 41.6 | 49.3 | 72.3 |
| DX-38M | 38             | 33.7     | 50.8               | 60 | 49.4 | 47.9 | 56.4 | 84.0 |

# DUB

## Złącze proste przegrodowe

Wartości ciśnień dla złączki DUB  
znajdują się w tabeli nr 22 na stronie 14



### Połączenie rur stalowych

**DUB-...**

| Kod    | Śr. zewn. rury |       | E<br>min | Odległość powierzchni płaskich |       |       |       | A     | B     | l      | l <sub>1</sub> | L      | L <sub>1</sub> | Rozmiar<br>otworu<br>w panelu | Maks.<br>grubość<br>panelu |
|--------|----------------|-------|----------|--------------------------------|-------|-------|-------|-------|-------|--------|----------------|--------|----------------|-------------------------------|----------------------------|
|        | in             | mm    |          | h                              | H     | in    | mm    |       |       |        |                |        |                |                               |                            |
| DUB-1  | 1/16           | 1.59  | 1.27     | 5/16                           | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 23.87  | 13.46          | 31.50  | 17.27          | 5.16                          | 3.05                       |
| DUB-2  | 1/8            | 3.17  | 2.28     | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 38.10  | 24.63          | 51.30  | 31.24          | 8.33                          | 12.70                      |
| DUB-3  | 3/16           | 4.76  | 3.04     | 9/16                           | 14.28 | 1/2   | 12.70 | 13.71 | 16.00 | 40.38  | 25.40          | 53.59  | 32.00          | 9.92                          | 12.70                      |
| DUB-4  | 1/4            | 6.35  | 4.82     | 5/8                            | 15.87 | 9/16  | 14.28 | 15.24 | 17.78 | 42.92  | 26.16          | 57.65  | 33.52          | 11.50                         | 10.16                      |
| DUB-5  | 5/16           | 7.93  | 6.35     | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 45.97  | 28.44          | 60.70  | 35.81          | 13.09                         | 11.17                      |
| DUB-6  | 3/8            | 9.52  | 7.11     | 3/4                            | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 47.49  | 29.46          | 62.23  | 36.83          | 14.68                         | 11.17                      |
| DUB-8  | 1/2            | 12.70 | 10.41    | 15/16                          | 23.81 | 7/8   | 22.22 | 22.86 | 21.84 | 50.80  | 31.75          | 71.12  | 41.91          | 19.44                         | 12.70                      |
| DUB-10 | 5/8            | 15.87 | 12.70    | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 52.32  | 32.51          | 72.64  | 42.67          | 22.62                         | 12.70                      |
| DUB-12 | 3/4            | 19.05 | 15.74    | 1-3/16                         | 30.16 | 1-1/8 | 28.58 | 24.38 | 21.84 | 58.67  | 37.33          | 78.99  | 47.49          | 25.79                         | 16.76                      |
| DUB-14 | 7/8            | 22.22 | 18.28    | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 64.26  | 42.92          | 84.58  | 53.08          | 28.97                         | 19.05                      |
| DUB-16 | 1              | 25.40 | 22.35    | 1-5/8                          | 41.27 | 1-1/2 | 38.10 | 31.24 | 26.41 | 71.37  | 45.21          | 95.75  | 57.40          | 33.73                         | 19.05                      |
| DUB-20 | 1-1/4          | 31.75 | 27.68    | 1-7/8                          | 47.63 | 1-7/8 | 47.63 | 41.14 | 38.86 | 78.99  | 47.75          | 123.19 | 69.85          | 41.67                         | 19.05                      |
| DUB-24 | 1-1/2          | 38.10 | 34.03    | 2-1/4                          | 57.15 | 2-1/4 | 57.15 | 50.03 | 45.21 | 84.83  | 49.27          | 139.19 | 76.45          | 49.61                         | 19.05                      |
| DUB-32 | 2              | 50.80 | 45.97    | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 105.66 | 56.38          | 180.34 | 93.72          | 57.94                         | 19.05                      |

### Połączenie rur metrycznych

**DUB-...M**

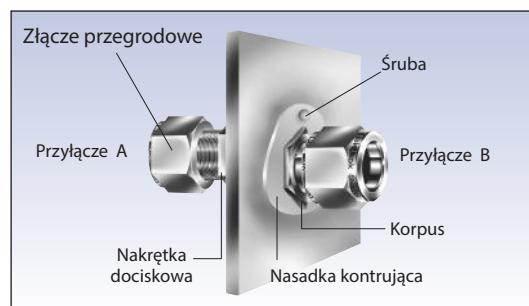
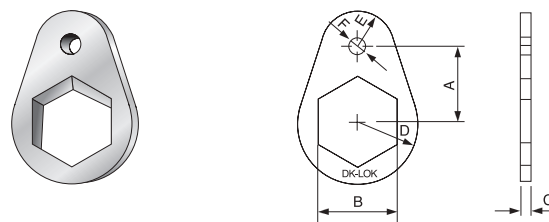
| Kod     | Śr. zewn.<br>rury<br>D | E<br>min | Odl. pow.<br>płaskich |    | A    | B    | l    | l <sub>1</sub> | L     | L <sub>1</sub> | Rozmiar<br>otworu<br>w panelu | Maks.<br>grubość<br>panelu |
|---------|------------------------|----------|-----------------------|----|------|------|------|----------------|-------|----------------|-------------------------------|----------------------------|
|         |                        |          | h                     | H  |      |      |      |                |       |                |                               |                            |
| DUB-3M  | 3                      | 2.4      | 14                    | 12 | 12.9 | 15.3 | 38.1 | 24.6           | 51.3  | 31.2           | 8.3                           | 12.7                       |
| DUB-4M  | 4                      | 2.4      | 14                    | 12 | 13.7 | 16.1 | 40.4 | 25.4           | 53.6  | 32.0           | 9.9                           | 12.7                       |
| DUB-6M  | 6                      | 4.8      | 16                    | 14 | 15.3 | 17.7 | 42.9 | 26.2           | 57.7  | 33.6           | 11.5                          | 10.2                       |
| DUB-8M  | 8                      | 6.4      | 18                    | 16 | 16.2 | 18.6 | 46.0 | 28.6           | 61.0  | 36.1           | 13.1                          | 11.2                       |
| DUB-10M | 10                     | 7.9      | 22                    | 19 | 17.2 | 19.5 | 48.5 | 29.4           | 63.7  | 37.0           | 16.2                          | 11.2                       |
| DUB-12M | 12                     | 9.5      | 24                    | 22 | 22.8 | 22.0 | 50.8 | 31.8           | 71.0  | 41.9           | 19.5                          | 12.7                       |
| DUB-15M | 15                     | 11.9     | 27                    | 25 | 24.4 | 22.0 | 52.3 | 32.5           | 72.5  | 42.6           | 22.8                          | 12.7                       |
| DUB-16M | 16                     | 12.7     | 27                    | 25 | 24.4 | 22.0 | 52.3 | 32.5           | 72.5  | 42.6           | 22.8                          | 12.7                       |
| DUB-18M | 18                     | 15.1     | 30                    | 30 | 24.4 | 22.0 | 58.7 | 37.3           | 78.9  | 47.4           | 26.0                          | 16.8                       |
| DUB-20M | 20                     | 15.9     | 35                    | 32 | 26.0 | 22.0 | 64.3 | 42.9           | 84.5  | 53.0           | 29.0                          | 17.0                       |
| DUB-22M | 22                     | 18.3     | 35                    | 32 | 26.0 | 22.0 | 64.3 | 42.9           | 84.5  | 53.0           | 29.0                          | 19.0                       |
| DUB-25M | 25                     | 21.8     | 41.3                  | 38 | 31.3 | 26.5 | 71.4 | 45.2           | 95.9  | 57.5           | 33.7                          | 19.0                       |
| DUB-32M | 32                     | 28.6     | 50                    | 50 | 42.0 | 41.6 | 82.3 | 49.5           | 128.3 | 72.5           | 42.5                          | 19.0                       |
| DUB-38M | 38                     | 33.7     | 60                    | 60 | 49.4 | 47.9 | 89.4 | 51.5           | 144.6 | 79.1           | 50.5                          | 19.0                       |

**W ofercie dostępne są również złącza DUB do łączenia rur metrycznych z stalowymi.**

Przykładowy kod: **DUB-6M-2** (Połączenie rury metrycznej 6 mm z stalową 1/8")



Nasadka kontrująca spełnia funkcję klucza płaskiego kontrującego podczas montażu panelowego. Pozwala ona jednej osobie dokręcić nakrętkę dociskową jak również wykonać montaż przyłącza A oraz przyłącza B bez użycia klucza kontrującego.



### Połączenie rur stalowych

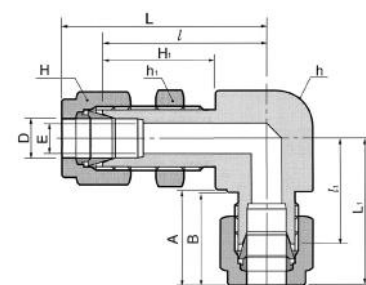
DBR-...

| Kod     | Rozmiar złącza Dk-Lok<br>wymiar zewn. |         | A     | B     | C    | D     | E     | F    | Rozmiar śruby | Oznaczenie wiertła | Średnica wiercenia otworu |
|---------|---------------------------------------|---------|-------|-------|------|-------|-------|------|---------------|--------------------|---------------------------|
|         | in                                    | mm      |       |       |      |       |       |      |               |                    |                           |
| DBR-1   | 1/16                                  | -       | 9.52  | 7.94  | 3.18 | 7.94  | 3.97  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-2   | 1/8                                   | -       | 12.7  | 12.7  | 3.18 | 10.31 | 5.55  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-3   | 3/16                                  | 3M,4M   | 14.28 | 14.28 | 3.18 | 11.90 | 6.35  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-4   | 1/4                                   | 6M      | 15.87 | 15.87 | 3.18 | 12.7  | 7.14  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-5   | 5/16                                  | -       | 17.46 | 17.46 | 3.18 | 14.28 | 7.94  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-8M  |                                       | 8M      | 17.46 | 18.0  | 3.18 | 14.28 | 7.94  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-6   | 3/8                                   | -       | 19.05 | 19.05 | 3.18 | 15.87 | 8.73  | 3.97 | #6-3/8        | 31                 | 3.05                      |
| DBR-10M |                                       | 10M     | 23.81 | 22.0  | 3.18 | 19.05 | 10.31 | 5.55 | #10-1/2       | 27                 | 3.66                      |
| DBR-8   | 1/2                                   | 12M     | 23.81 | 23.81 | 3.18 | 19.05 | 10.31 | 5.55 | #10-1/2       | 27                 | 3.66                      |
| DBR-10  | 5/8                                   | 15M,16M | 25.4  | 26.98 | 3.18 | 20.64 | 10.31 | 5.55 | #10-1/2       | 27                 | 3.66                      |
| DBR-12  | 3/4                                   | 18M     | 26.98 | 30.16 | 3.18 | 23.02 | 11.90 | 5.55 | #10-1/2       | 27                 | 3.66                      |
| DBR-14  | 7/8                                   | -       | 28.57 | 33.33 | 3.18 | 26.19 | 13.49 | 5.55 | #10-1/2       | 27                 | 3.66                      |
| DBR-16  | 1                                     | -       | 32.54 | 41.27 | 3.18 | 29.37 | 14.28 | 5.55 | #10-1/2       | 27                 | 3.66                      |

# DBL

## Złącze kolankowe przegrodowe

Wartości ciśnień dla złączki DBL znajdują się w tabeli nr 22 na stronie 14



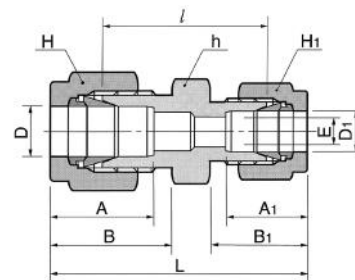
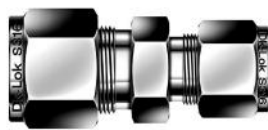
### Połączenie rur metrycznych

DBL-...M

| Kod     | Śr. zewn. rury<br>mm | E<br>min | Odleg. pow. płaskich |                |      | A    | B    | I    | I <sub>1</sub> | L    | L <sub>1</sub> | Rozmiar otworu w panelu | Maks. grubość panelu |
|---------|----------------------|----------|----------------------|----------------|------|------|------|------|----------------|------|----------------|-------------------------|----------------------|
|         |                      |          | h                    | h <sub>1</sub> | H    |      |      |      |                |      |                |                         |                      |
| DBL-6M  | 6                    | 4.8      | 15.8                 | 14.2           | 14.0 | 15.3 | 17.7 | 36.5 | 20.6           | 43.9 | 30.0           | 11.5                    | 10.2                 |
| DBL-8M  | 8                    | 6.4      | 17.4                 | 17.4           | 16.0 | 18.6 | 46.0 | 40.9 | 23.2           | 48.4 | 30.7           | 13.1                    | 11.2                 |
| DBL-10M | 10                   | 7.9      | 22.0                 | 22.0           | 19.0 | 19.5 | 48.5 | 44.5 | 26.9           | 52.1 | 34.5           | 16.2                    | 11.2                 |
| DBL-12M | 12                   | 9.5      | 24.0                 | 23.8           | 22.0 | 22.0 | 50.8 | 46.9 | 26.9           | 57.0 | 37.0           | 19.5                    | 12.7                 |
| DBL-16M | 16                   | 13.5     | 27.0                 | 27.0           | 25.0 | 22.0 | 52.3 | 53.5 | 34.1           | 63.7 | 44.5           | 22.8                    | 12.7                 |
| DBL-20M | 20                   | 15.9     | 34.9                 | 35.0           | 32.0 | 26.0 | 22.0 | 68.4 | 39.0           | 78.2 | 48.7           | 29.0                    | 17.0                 |
| DBL-25M | 25                   | 21.8     | 41.0                 | 41.0           | 38.0 | 31.3 | 26.5 | 74.2 | 46.1           | 86.5 | 58.4           | 33.7                    | 19.1                 |



Wartości ciśnień dla złączki DUR  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur stalowych

DUR-...

| Kod       | Średnica zewnętrzna rury |       |                |       | E     | Odległość powierzchni płaskich |       |       |       |                |       | A     | A <sub>1</sub> | B     | B <sub>1</sub> | /     | L     |
|-----------|--------------------------|-------|----------------|-------|-------|--------------------------------|-------|-------|-------|----------------|-------|-------|----------------|-------|----------------|-------|-------|
|           | D                        |       | D <sub>1</sub> |       |       | h                              |       | H     |       | H <sub>1</sub> |       |       |                |       |                |       |       |
|           | in                       | mm    | in             | mm    |       | in                             | mm    | in    | mm    | in             | mm    |       |                |       |                |       |       |
| DUR-2-1   | 1/8                      | 3.17  | 1/16           | 1.59  | 1.27  | 7/16                           | 11.11 | 7/16  | 11.11 | 5/16           | 7.93  | 12.70 | 8.63           | 15.24 | 10.92          | 20.60 | 30.91 |
| DUR-3-1   | 3/16                     | 4.76  | 1/16           | 1.59  | 1.27  | 7/16                           | 11.11 | 1/2   | 12.70 | 5/16           | 7.93  | 13.71 | 8.63           | 16.00 | 10.92          | 21.84 | 32.25 |
| DUR-3-2   | 3/16                     | 4.76  | 1/8            | 3.17  | 2.28  | 7/16                           | 11.11 | 1/2   | 12.70 | 7/16           | 11.11 | 13.71 | 12.70          | 16.00 | 15.24          | 23.36 | 36.57 |
| DUR-4-1   | 1/4                      | 6.35  | 1/16           | 1.59  | 1.27  | 1/2                            | 12.70 | 9/16  | 14.28 | 5/16           | 7.93  | 15.24 | 8.63           | 17.78 | 10.92          | 23.11 | 34.29 |
| DUR-4-2   | 1/4                      | 6.35  | 1/8            | 3.17  | 2.28  | 1/2                            | 12.70 | 9/16  | 14.28 | 7/16           | 11.11 | 15.24 | 12.70          | 17.78 | 15.24          | 24.63 | 38.60 |
| DUR-4-3   | 1/4                      | 6.35  | 3/16           | 4.76  | 3.04  | 1/2                            | 12.70 | 9/16  | 14.28 | 1/2            | 12.70 | 15.24 | 13.71          | 17.78 | 16.00          | 25.40 | 39.37 |
| DUR-5-2   | 5/16                     | 7.93  | 1/8            | 3.17  | 2.28  | 9/16                           | 14.28 | 5/8   | 15.87 | 7/16           | 11.11 | 16.25 | 12.70          | 18.54 | 15.24          | 25.90 | 39.87 |
| DUR-5-4   | 5/16                     | 7.93  | 1/4            | 6.35  | 4.82  | 9/16                           | 14.28 | 5/8   | 15.87 | 9/16           | 14.28 | 16.25 | 15.24          | 18.54 | 17.78          | 27.43 | 42.16 |
| DUR-6-1   | 3/8                      | 9.52  | 1/16           | 1.59  | 1.27  | 5/8                            | 15.87 | 11/16 | 17.46 | 5/16           | 7.93  | 16.76 | 8.63           | 19.30 | 10.92          | 25.40 | 36.57 |
| DUR-6-2   | 3/8                      | 9.52  | 1/8            | 3.17  | 2.28  | 5/8                            | 15.87 | 11/16 | 17.46 | 7/16           | 11.11 | 16.76 | 12.70          | 19.30 | 15.24          | 26.92 | 40.89 |
| DUR-6-4   | 3/8                      | 9.52  | 1/4            | 6.35  | 4.82  | 5/8                            | 15.87 | 11/16 | 17.46 | 9/16           | 14.28 | 16.76 | 15.24          | 19.30 | 17.78          | 28.44 | 43.18 |
| DUR-6-5   | 3/8                      | 9.52  | 5/16           | 7.93  | 6.35  | 5/8                            | 15.87 | 11/16 | 17.46 | 5/8            | 15.87 | 16.76 | 16.25          | 19.30 | 18.54          | 29.46 | 44.19 |
| DUR-8-2   | 1/2                      | 12.70 | 1/8            | 3.17  | 2.28  | 13/16                          | 20.64 | 7/8   | 22.22 | 7/16           | 11.11 | 22.86 | 12.70          | 21.84 | 15.24          | 28.44 | 45.21 |
| DUR-8-4   | 1/2                      | 12.70 | 1/4            | 6.35  | 4.82  | 13/16                          | 20.64 | 7/8   | 22.22 | 9/16           | 14.28 | 22.86 | 15.24          | 21.84 | 17.78          | 29.46 | 46.99 |
| DUR-8-6   | 1/2                      | 12.70 | 3/8            | 9.52  | 7.11  | 13/16                          | 20.64 | 7/8   | 22.22 | 11/16          | 17.46 | 22.86 | 16.76          | 21.84 | 19.30          | 30.98 | 48.51 |
| DUR-10-6  | 5/8                      | 15.87 | 3/8            | 9.52  | 7.11  | 15/16                          | 23.81 | 1     | 25.40 | 11/16          | 17.46 | 24.38 | 16.76          | 21.84 | 19.30          | 31.75 | 49.27 |
| DUR-10-8  | 5/8                      | 15.87 | 1/2            | 12.70 | 10.41 | 15/16                          | 23.81 | 1     | 25.40 | 7/8            | 22.22 | 24.38 | 22.86          | 21.84 | 21.84          | 31.75 | 52.07 |
| DUR-12-4  | 3/4                      | 19.05 | 1/4            | 6.35  | 4.82  | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 9/16           | 14.48 | 24.38 | 15.24          | 21.84 | 17.78          | 31.75 | 49.27 |
| DUR-12-6  | 3/4                      | 19.05 | 3/8            | 9.52  | 7.11  | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 11/16          | 17.46 | 24.38 | 16.76          | 21.84 | 19.30          | 33.27 | 50.80 |
| DUR-12-8  | 3/4                      | 19.05 | 1/2            | 12.70 | 10.41 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 7/8            | 22.22 | 24.38 | 22.86          | 21.84 | 21.84          | 33.27 | 53.59 |
| DUR-12-10 | 3/4                      | 19.05 | 5/8            | 15.87 | 12.70 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1              | 25.40 | 24.38 | 24.38          | 21.84 | 21.84          | 33.27 | 53.59 |
| DUR-16-8  | 1                        | 25.40 | 1/2            | 12.70 | 10.41 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 7/8            | 22.22 | 31.24 | 22.86          | 26.41 | 21.84          | 40.89 | 63.24 |
| DUR-16-12 | 1                        | 25.40 | 3/4            | 19.05 | 15.74 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/8          | 28.58 | 31.24 | 24.38          | 26.41 | 21.84          | 40.38 | 62.73 |

## Połączenie rur metrycznych

DUR-...M

| Kod         | Śr. zewn. rury |                | E    | Odl. pow. płaskich |    |                | A    | A <sub>1</sub> | B    | B <sub>1</sub> | l    | L     |
|-------------|----------------|----------------|------|--------------------|----|----------------|------|----------------|------|----------------|------|-------|
|             | D              | D <sub>1</sub> |      | h                  | H  | H <sub>1</sub> |      |                |      |                |      |       |
| DUR-3M-2M   | 3              | 2              | 1.7  | 12                 | 12 | 12             | 12.9 | 12.9           | 15.3 | 15.3           | 22.1 | 35.3  |
| DUR-6M-2M   | 6              | 2              | 1.7  | 14                 | 14 | 12             | 15.3 | 12.9           | 17.7 | 15.3           | 24.6 | 38.6  |
| DUR-6M-3M   | 6              | 3              | 2.4  | 14                 | 14 | 12             | 15.3 | 12.9           | 17.7 | 15.3           | 24.6 | 38.6  |
| DUR-6M-4M   | 6              | 4              | 2.4  | 14                 | 14 | 12             | 15.3 | 13.7           | 17.7 | 16.1           | 25.4 | 39.4  |
| DUR-8M-6M   | 8              | 6              | 4.8  | 15                 | 16 | 14             | 16.2 | 15.3           | 18.6 | 17.7           | 27.4 | 42.3  |
| DUR-10M-3M  | 10             | 3              | 2.4  | 18                 | 19 | 12             | 17.2 | 12.9           | 19.5 | 15.3           | 27.7 | 41.9  |
| DUR-10M-4M  | 10             | 4              | 2.4  | 18                 | 19 | 12             | 17.2 | 13.7           | 19.5 | 16.1           | 28.7 | 42.9  |
| DUR-10M-6M  | 10             | 6              | 4.8  | 18                 | 19 | 14             | 17.2 | 15.3           | 19.5 | 17.7           | 29.5 | 44.5  |
| DUR-10M-8M  | 10             | 8              | 6.4  | 18                 | 19 | 16             | 17.2 | 16.2           | 19.5 | 18.6           | 30.0 | 45.1  |
| DUR-12M-6M  | 12             | 6              | 4.8  | 22                 | 22 | 14             | 22.8 | 15.3           | 22.0 | 17.7           | 29.5 | 47.0  |
| DUR-12M-8M  | 12             | 8              | 6.4  | 22                 | 22 | 16             | 22.8 | 16.2           | 22.0 | 18.6           | 30.2 | 47.8  |
| DUR-12M-10M | 12             | 10             | 7.9  | 22                 | 22 | 19             | 22.8 | 17.2           | 22.0 | 19.5           | 31.0 | 48.7  |
| DUR-15M-12M | 15             | 12             | 9.8  | 24                 | 25 | 22             | 24.4 | 17.2           | 22.0 | 19.5           | 31.8 | 52.5  |
| DUR-16M-10M | 16             | 10             | 7.9  | 24                 | 25 | 19             | 24.4 | 17.2           | 22.0 | 19.5           | 31.8 | 49.5  |
| DUR-16M-12M | 16             | 12             | 9.5  | 24                 | 25 | 22             | 24.4 | 22.8           | 22.0 | 22.0           | 31.8 | 52.0  |
| DUR-18M-10M | 18             | 10             | 7.9  | 27                 | 30 | 19             | 24.4 | 17.2           | 22.0 | 19.5           | 33.0 | 51.0  |
| DUR-18M-12M | 18             | 12             | 9.5  | 27                 | 30 | 22             | 24.4 | 22.8           | 22.0 | 22.0           | 33.3 | 53.5  |
| DUR-25M-18M | 25             | 18             | 15.1 | 35                 | 38 | 30             | 31.3 | 24.4           | 26.5 | 22.0           | 38.6 | 61.0  |
| DUR-25M-20M | 25             | 20             | 15.9 | 35                 | 38 | 32             | 31.3 | 26.0           | 26.5 | 22.0           | 39.9 | 62.3  |
| DUR-30M-18M | 30             | 18             | 15.1 | 46                 | 50 | 30             | 39.7 | 24.4           | 39.3 | 22.0           | 43.7 | 75.4  |
| DUR-30M-20M | 30             | 20             | 15.9 | 46                 | 50 | 32             | 39.7 | 26.0           | 39.3 | 22.0           | 43.7 | 75.4  |
| DUR-30M-25M | 30             | 25             | 21.8 | 46                 | 50 | 38             | 39.7 | 31.3           | 39.3 | 26.5           | 46.2 | 80.1  |
| DUR-32M-18M | 32             | 18             | 15.1 | 46                 | 50 | 30             | 42.0 | 24.4           | 41.6 | 22.0           | 44.7 | 77.8  |
| DUR-32M-20M | 32             | 20             | 15.9 | 46                 | 50 | 32             | 42.0 | 26.0           | 41.6 | 22.0           | 44.7 | 77.8  |
| DUR-32M-25M | 32             | 25             | 21.8 | 46                 | 50 | 38             | 42.0 | 31.3           | 41.6 | 26.5           | 47.0 | 82.3  |
| DUR-38M-20M | 38             | 20             | 15.9 | 55                 | 60 | 32             | 49.4 | 26.0           | 47.9 | 22.0           | 49.8 | 87.5  |
| DUR-38M-25M | 38             | 25             | 21.8 | 55                 | 60 | 38             | 49.4 | 31.3           | 47.9 | 26.5           | 52.1 | 92.0  |
| DUR-38M-30M | 30             | 30             | 26.2 | 55                 | 60 | 50             | 49.4 | 39.7           | 47.9 | 39.3           | 55.4 | 104.6 |

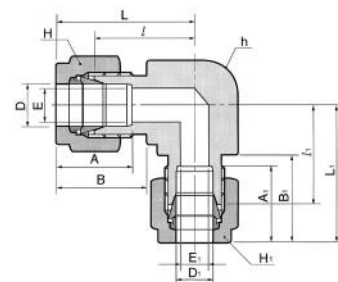
W ofercie dostępne są również złącza DUR do łączenia rur metrycznych z stalowymi.

Przykładowy kod: **DUR-6M-4** (Połączenie rury metrycznej 6 mm z stalową 1/4")

Powyższe wymiary podane w milimetrach mają charakter orientacyjny, a producent zastrzega sobie możliwość wprowadzenia zmian.  
Wymiary dotyczące długości podane są dla nakrętek dokręconych tylko ręcznie.

## Złącze kolankowe redukcyjne

Wartości ciśnień dla złączki DLR  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur stalowych

DLR-...

| Kod     | Śr. zewn. rury |      |                |      | Odległość powierzchni płaskich |       |       |       |                |       | E     | E <sub>1</sub> | A     | A <sub>1</sub> | B     | B <sub>1</sub> | l     | l <sub>1</sub> | L     | L <sub>1</sub> |
|---------|----------------|------|----------------|------|--------------------------------|-------|-------|-------|----------------|-------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|
|         | D              |      | D <sub>1</sub> |      | h                              |       | H     |       | H <sub>1</sub> |       |       |                |       |                |       |                |       |                |       |                |
|         | in             | mm   | in             | mm   | in                             | mm    | in    | mm    | in             | mm    |       |                |       |                |       |                |       |                |       |                |
| DLR-2-1 | 1/8            | 3.17 | 1/16           | 1.59 | 3/8                            | 9.52  | 7/6   | 11.11 | 5/16           | 7.93  | 2.4   | 1.3            | 12.7  | 8.63           | 15.24 | 10.93          | 15.74 | 14.2           | 22.35 | 18.0           |
| DLR-4-2 | 1/4            | 6.35 | 1/8            | 3.17 | 1/2                            | 12.7  | 9/16  | 14.28 | 7/6            | 11.11 | 4.8   | 2.4            | 15.24 | 12.7           | 17.78 | 15.24          | 19.55 | 17.9           | 26.92 | 24.5           |
| DLR-6-4 | 3/8            | 9.52 | 1/4            | 6.35 | 5/8                            | 15.87 | 11/16 | 17.46 | 9/16           | 14.28 | 7.1   | 4.8            | 16.76 | 15.24          | 19.3  | 17.78          | 23.1  | 21.92          | 30.47 | 29.29          |
| DLR-8-4 | 1/2            | 12.7 | 1/4            | 6.35 | 13/16                          | 20.64 | 7/8   | 22.22 | 9/16           | 14.28 | 10.41 | 4.8            | 22.86 | 15.24          | 21.84 | 17.78          | 25.9  | 24.4           | 36.06 | 31.77          |
| DLR-8-6 | 1/2            | 12.7 | 3/8            | 9.52 | 13/16                          | 20.64 | 7/8   | 22.22 | 11/16          | 17.46 | 10.41 | 7.1            | 22.86 | 16.76          | 21.84 | 19.3           | 25.9  | 25.9           | 36.06 | 33.27          |

## Połączenie rury metrycznej z rurą stalową

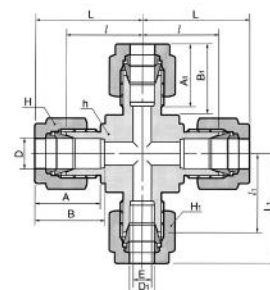
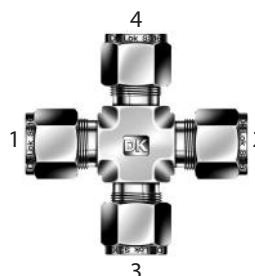
DLR-...M

| Kod      | Śr. zewn. rury |                |      | Odległość pow. płaskich |       |    |                |       |     | E   | E <sub>1</sub> | A     | A <sub>1</sub> | B     | B <sub>1</sub> | l    | l <sub>1</sub> | L  | L <sub>1</sub> |
|----------|----------------|----------------|------|-------------------------|-------|----|----------------|-------|-----|-----|----------------|-------|----------------|-------|----------------|------|----------------|----|----------------|
|          | D              | D <sub>1</sub> |      | h                       |       | H  | H <sub>1</sub> |       |     |     |                |       |                |       |                |      |                |    |                |
|          |                | in             | mm   | in                      | mm    |    | in             | mm    |     |     |                |       |                |       |                |      |                |    |                |
| DLR-8M-4 | 8              | 1/4            | 6.35 | 9/16                    | 14.28 | 16 | 9/16           | 14.28 | 6.4 | 4.8 | 16.2           | 15.24 | 18.6           | 17.78 | 21.3           | 20.6 | 28.7           | 28 |                |

## DXR

## Złącze krzyżowe redukcyjne

Wartości ciśnień dla złączki DXR  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur stalowych

DXR-...

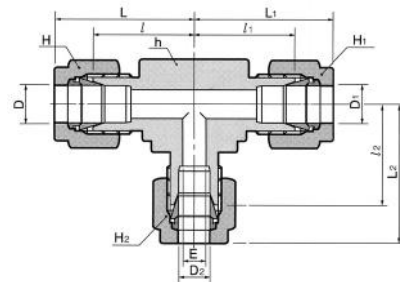
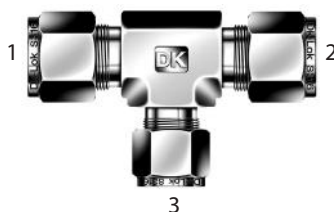
| Kod           | Port 1 | Port 2 | Port 3         | Port 4 | E   | Odległość pow. płaskich |       |       |       |                |       | A     | A <sub>1</sub> | B     | B <sub>1</sub> | l     | l <sub>1</sub> | L     | L <sub>1</sub> |
|---------------|--------|--------|----------------|--------|-----|-------------------------|-------|-------|-------|----------------|-------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|
|               | D      |        | D <sub>1</sub> |        |     | h                       |       | H     |       | H <sub>1</sub> |       |       |                |       |                |       |                |       |                |
|               | in     | mm     | in             | mm     |     | min                     | in    | mm    | in    | mm             | in    |       |                |       |                |       |                |       |                |
| DXR-12-12-6-6 | 3/4    | 19.05  | 3/8            | 9.52   | 7.1 | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 11/16          | 17.46 | 24.38 | 16.76          | 21.84 | 19.3           | 29.71 | 29.71          | 39.87 | 37.07          |

## Połączenie rur metrycznych

DXR-...M

| Kod              | Port 1 | Port 2         | Port 3 | Port 4 | E   | Odległość pow. płaskich |    |                | A    | A <sub>1</sub> | B  | B <sub>1</sub> | l    | l <sub>1</sub> | L    | L <sub>1</sub> |
|------------------|--------|----------------|--------|--------|-----|-------------------------|----|----------------|------|----------------|----|----------------|------|----------------|------|----------------|
|                  | D      | D <sub>1</sub> |        |        | min | h                       | H  | H <sub>1</sub> |      |                |    |                |      |                |      |                |
|                  |        |                |        |        |     |                         |    |                |      |                |    |                |      |                |      |                |
| DXR-16M-6M-6M-6M | 16     | 6              |        |        | 4.8 | 25.4                    | 25 | 14             | 24.4 | 15.3           | 22 | 17.7           | 28.7 | 27.2           | 38.8 | 34.6           |

Wartości ciśnień dla złączki DTR  
znajdują się w tabeli nr 22 na stronie 14

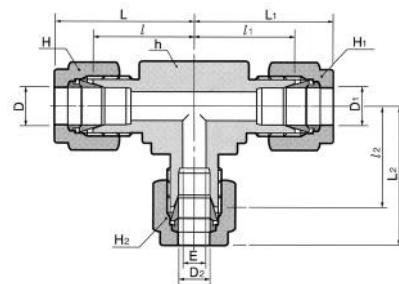
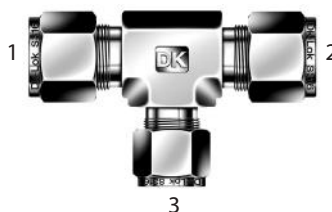


## Połączenie rur stalowych

DTR-...

| Kod          | Port 1 |       | Port 2         |       | Port 3         |       | E     | Odległość powierzchni płaskich |       |       |       |                |       |                |       | l     | l <sub>1</sub> | l <sub>2</sub> | L     | L <sub>1</sub> | L <sub>2</sub> |
|--------------|--------|-------|----------------|-------|----------------|-------|-------|--------------------------------|-------|-------|-------|----------------|-------|----------------|-------|-------|----------------|----------------|-------|----------------|----------------|
|              | D      |       | D <sub>1</sub> |       | D <sub>2</sub> |       |       | h                              |       | H     |       | H <sub>1</sub> |       | H <sub>2</sub> |       |       |                |                |       |                |                |
|              | in     | mm    | in             | mm    | in             | mm    |       | in                             | mm    | in    | mm    | in             | mm    | in             | mm    |       |                |                |       |                |                |
| DTR-4-4-2    | 1/4    | 6.35  | 1/4            | 6.35  | 1/8            | 3.17  | 2.4   | 1/2                            | 12.7  | 9/16  | 14.28 | 9/16           | 14.28 | 7/16           | 11.11 | 19.55 | 19.55          | 17.9           | 26.91 | 26.91          | 24.5           |
| DTR-4-4-6    | 1/4    | 6.35  | 1/4            | 6.35  | 3/8            | 9.52  | 4.8   | 5/8                            | 15.87 | 9/16  | 14.28 | 9/16           | 14.28 | 11/16          | 17.46 | 21.92 | 21.92          | 23.1           | 29.28 | 29.28          | 30.46          |
| DTR-4-8-8    | 1/4    | 6.35  | 1/2            | 12.7  | 1/2            | 12.7  | 4.8   | 13/16                          | 20.64 | 9/16  | 14.28 | 7/8            | 22.22 | 7/8            | 22.22 | 24.4  | 25.9           | 25.9           | 31.76 | 36.06          | 36.06          |
| DTR-6-4-6    | 3/8    | 9.52  | 1/4            | 6.35  | 3/8            | 9.52  | 4.8   | 5/8                            | 15.87 | 11/16 | 17.46 | 9/16           | 14.28 | 11/16          | 17.46 | 23.1  | 21.92          | 23.1           | 30.46 | 29.28          | 30.46          |
| DTR-6-6-4    | 3/8    | 9.52  | 3/8            | 9.52  | 1/4            | 6.35  | 4.8   | 5/8                            | 15.87 | 11/16 | 17.46 | 11/16          | 17.46 | 9/16           | 14.28 | 23.1  | 23.1           | 21.92          | 30.46 | 30.46          | 29.28          |
| DTR-6-6-8    | 3/8    | 9.52  | 3/8            | 9.52  | 1/2            | 12.7  | 7.1   | 13/16                          | 20.64 | 11/16 | 17.46 | 11/16          | 17.46 | 7/8            | 22.22 | 25.9  | 25.9           | 25.9           | 33.26 | 33.26          | 36.06          |
| DTR-8-4-6    | 1/2    | 12.7  | 1/4            | 6.35  | 3/8            | 9.52  | 4.8   | 13/16                          | 20.64 | 7/8   | 22.22 | 9/16           | 14.28 | 11/16          | 17.46 | 25.9  | 25.9           | 25.9           | 36.06 | 33.26          | 33.26          |
| DTR-8-4-8    | 1/2    | 12.7  | 1/4            | 6.35  | 1/2            | 12.7  | 7.1   | 13/16                          | 20.64 | 7/8   | 22.22 | 9/16           | 14.28 | 7/8            | 22.22 | 25.9  | 24.4           | 25.9           | 36.06 | 31.76          | 36.06          |
| DTR-8-6-6    | 1/2    | 12.7  | 3/8            | 9.52  | 3/8            | 9.52  | 7.1   | 13/16                          | 20.64 | 7/8   | 22.22 | 11/16          | 17.46 | 11/16          | 17.46 | 25.9  | 25.9           | 25.9           | 36.06 | 33.26          | 33.26          |
| DTR-8-8-4    | 1/2    | 12.7  | 1/2            | 12.7  | 1/4            | 6.35  | 4.8   | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 9/16           | 14.28 | 25.9  | 25.9           | 24.4           | 36.06 | 36.06          | 31.76          |
| DTR-8-8-6    | 1/2    | 12.7  | 1/2            | 12.7  | 3/8            | 9.52  | 7.1   | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 11/16          | 17.46 | 25.9  | 25.9           | 25.9           | 36.06 | 36.06          | 33.26          |
| DTR-10-10-6  | 5/8    | 15.87 | 5/8            | 15.87 | 3/8            | 9.52  | 7.1   | 15/16                          | 23.81 | 1     | 25.4  | 1              | 25.4  | 11/16          | 17.46 | 28.7  | 28.7           | 28.7           | 38.86 | 38.86          | 36.06          |
| DTR-12-8-12  | 3/4    | 19.05 | 1/2            | 12.7  | 3/4            | 19.05 | 10.41 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 7/8            | 22.22 | 1-1/8          | 28.57 | 29.71 | 29.71          | 29.71          | 39.87 | 39.87          | 39.87          |
| DTR-12-12-4  | 3/4    | 19.05 | 3/4            | 19.05 | 1/4            | 6.35  | 4.8   | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1-1/8          | 28.57 | 9/16           | 14.28 | 29.71 | 29.71          | 28.21          | 39.87 | 39.87          | 35.57          |
| DTR-12-12-6  | 3/4    | 19.05 | 3/4            | 19.05 | 3/8            | 9.52  | 7.1   | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1-1/8          | 28.57 | 11/16          | 17.46 | 29.71 | 29.71          | 29.71          | 39.87 | 39.87          | 35.57          |
| DTR-12-12-8  | 3/4    | 19.05 | 3/4            | 19.05 | 1/2            | 12.7  | 10.41 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1-1/8          | 28.57 | 7/8            | 22.22 | 29.71 | 29.71          | 29.71          | 39.87 | 39.87          | 38.37          |
| DTR-12-12-16 | 3/4    | 19.05 | 3/4            | 19.05 | 1              | 25.4  | 16.0  | 1-3/8                          | 34.92 | 1-1/8 | 28.57 | 1-1/8          | 28.57 | 1-1/2          | 38.10 | 34.43 | 34.43          | 36.83          | 49.02 | 49.02          | 45.7           |
| DTR-12-12-20 | 3/4    | 19.05 | 3/4            | 19.05 | 1-1/4          | 31.75 | 16.0  | 1-11/16                        | 42.86 | 1-1/8 | 28.57 | 1-1/8          | 28.57 | 1-7/8          | 47.63 | 39.41 | 39.41          | 44.45          | 49.57 | 49.57          | 66.55          |
| DTR-14-14-8  | 7/8    | 22.22 | 7/8            | 22.22 | 1/2            | 12.7  | 10.41 | 1-1/4                          | 31.75 | 1-1/4 | 31.75 | 1-1/4          | 31.75 | 7/8            | 22.22 | 34.54 | 34.54          | 34.54          | 44.7  | 44.7           | 44.7           |
| DTR-16-12-12 | 1      | 25.4  | 3/4            | 19.05 | 3/4            | 19.05 | 16.0  | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/8          | 28.57 | 1-1/8          | 28.57 | 36.83 | 35.54          | 35.54          | 49.02 | 45.7           | 45.7           |
| DTR-16-16-4  | 1      | 25.4  | 1              | 25.4  | 1/4            | 6.35  | 4.8   | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 9/16           | 14.28 | 36.83 | 36.83          | 33.04          | 49.02 | 49.02          | 40.4           |
| DTR-16-16-6  | 1      | 25.4  | 1              | 25.4  | 3/8            | 9.52  | 7.1   | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 11/16          | 17.46 | 36.83 | 36.83          | 34.54          | 49.02 | 49.02          | 41.9           |
| DTR-16-16-8  | 1      | 25.4  | 1              | 25.4  | 1/2            | 12.7  | 10.41 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 7/8            | 22.22 | 36.83 | 36.83          | 34.54          | 49.02 | 49.02          | 44.7           |
| DTR-16-16-12 | 1      | 25.4  | 1              | 25.4  | 3/4            | 19.05 | 16.0  | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 1-1/8          | 28.57 | 36.83 | 36.83          | 35.54          | 49.02 | 49.02          | 45.7           |
| DTR-20-12-12 | 1 1/4  | 31.75 | 3/4            | 19.05 | 3/4            | 19.05 | 16.0  | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 1-1/8          | 28.57 | 1-1/8          | 28.57 | 44.45 | 39.41          | 39.41          | 66.55 | 49.57          | 49.57          |
| DTR-20-20-12 | 1 1/4  | 31.75 | 1 1/4          | 31.75 | 3/4            | 19.05 | 16.0  | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 1-7/8          | 47.63 | 1-1/8          | 28.57 | 44.45 | 44.45          | 39.41          | 66.55 | 66.55          | 49.57          |
| DTR-24-20-20 | 1 1/2  | 38.10 | 1 1/4          | 31.75 | 1 1/4          | 31.75 | 27.69 | 2                              | 50.8  | 2-1/4 | 57.15 | 1-7/8          | 47.63 | 1-7/8          | 47.63 | 50.8  | 49.62          | 49.62          | 77.97 | 71.72          | 71.72          |
| DTR-24-24-8  | 1 1/2  | 38.10 | 1 1/2          | 38.10 | 1/2            | 12.7  | 10.41 | 2                              | 50.8  | 2-1/4 | 57.15 | 2-1/4          | 57.15 | 7/8            | 22.22 | 50.8  | 50.8           | 44.58          | 77.97 | 77.97          | 54.74          |
| DTR-24-24-12 | 1 1/2  | 38.10 | 1 1/2          | 38.10 | 3/4            | 19.05 | 16.0  | 2                              | 50.8  | 2-1/4 | 57.15 | 2-1/4          | 57.15 | 1-1/8          | 28.57 | 50.8  | 50.8           | 44.58          | 77.97 | 77.97          | 54.74          |
| DTR-24-24-16 | 1 1/2  | 38.10 | 1 1/2          | 38.10 | 1              | 25.4  | 22.3  | 2                              | 50.8  | 2-1/4 | 57.15 | 2-1/4          | 57.15 | 1-1/2          | 38.10 | 50.8  | 50.8           | 47.75          | 77.97 | 77.97          | 59.94          |

Wartości ciśnień dla złączki DTR  
znajdują się w tabeli nr 22 na stronie 14



### Połączenie rur metrycznych

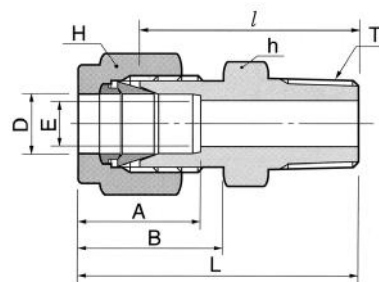
### DTR-...M

| Kod             | Port 1<br>D | Port 2<br>D <sub>1</sub> | Port 3<br>D <sub>2</sub> | E<br>min | Odl. pow. płaskich |    |    |    | A    | A <sub>1</sub> | A <sub>2</sub> | B    | B <sub>1</sub> | B <sub>2</sub> | l    | l <sub>1</sub> | l <sub>2</sub> | L    | L <sub>1</sub> | L <sub>2</sub> |
|-----------------|-------------|--------------------------|--------------------------|----------|--------------------|----|----|----|------|----------------|----------------|------|----------------|----------------|------|----------------|----------------|------|----------------|----------------|
| DTR-3M-3M-6M    | 3           | 3                        | 6                        | 2.4      | 12.7               | 12 | 12 | 14 | 12.9 | 12.9           | 15.3           | 15.3 | 15.3           | 17.7           | 18.0 | 18.0           | 19.6           | 24.6 | 24.6           | 27.0           |
| DTR-8M-8M-6M    | 8           | 8                        | 6                        | 4.8      | 15                 | 16 | 16 | 14 | 16.2 | 16.2           | 15.3           | 18.6 | 18.6           | 17.7           | 21.3 | 21.3           | 20.5           | 28.8 | 28.8           | 28.0           |
| DTR-10M-10M-6M  | 10          | 10                       | 6                        | 4.8      | 17.4               | 19 | 19 | 14 | 17.2 | 17.2           | 15.3           | 19.5 | 19.5           | 17.7           | 23.9 | 23.9           | 22.4           | 31.5 | 31.5           | 29.8           |
| DTR-10M-10M-12M | 10          | 10                       | 12                       | 7.9      | 20.6               | 19 | 19 | 22 | 17.2 | 17.2           | 22.8           | 19.5 | 19.5           | 22.0           | 25.9 | 25.9           | 25.9           | 33.5 | 33.5           | 36.0           |
| DTR-12M-6M-10M  | 12          | 6                        | 10                       | 4.8      | 20.6               | 22 | 14 | 19 | 22.8 | 15.3           | 17.2           | 22.0 | 17.7           | 19.5           | 25.9 | 24.4           | 25.9           | 36.0 | 31.8           | 33.5           |
| DTR-12M-6M-12M  | 12          | 6                        | 12                       | 4.8      | 20.6               | 22 | 14 | 22 | 22.8 | 15.3           | 22.8           | 22.0 | 17.7           | 22.0           | 25.9 | 24.4           | 25.9           | 36.0 | 31.8           | 36.0           |
| DTR-12M-10M-10M | 12          | 10                       | 10                       | 7.9      | 20.6               | 22 | 19 | 19 | 22.8 | 17.2           | 17.2           | 22.0 | 19.5           | 19.5           | 25.9 | 25.9           | 25.9           | 36.0 | 33.5           | 33.5           |
| DTR-12M-12M-10M | 12          | 12                       | 10                       | 7.9      | 20.6               | 22 | 22 | 19 | 22.8 | 22.8           | 17.2           | 22.0 | 22.0           | 19.5           | 25.9 | 25.9           | 25.9           | 36.0 | 36.0           | 33.5           |
| DTR-12M-12M-6M  | 12          | 12                       | 6                        | 4.8      | 20.6               | 22 | 22 | 14 | 22.8 | 22.8           | 15.3           | 22.0 | 22.0           | 17.7           | 25.9 | 25.9           | 24.4           | 36.0 | 36.0           | 31.8           |
| DTR-15M-15M-12M | 15          | 15                       | 12                       | 9.8      | 25.4               | 25 | 25 | 22 | 24.4 | 24.4           | 22.8           | 22.0 | 22.0           | 22.0           | 28.7 | 28.7           | 28.7           | 38.8 | 38.8           | 38.8           |
| DTR-16M-16M-12M | 16          | 16                       | 12                       | 9.8      | 25.4               | 25 | 25 | 22 | 24.4 | 24.4           | 22.8           | 22.0 | 22.0           | 22.0           | 28.7 | 28.7           | 28.7           | 38.8 | 38.8           | 38.8           |
| DTR-18M-18M-12M | 18          | 18                       | 12                       | 9.8      | 27                 | 30 | 30 | 22 | 24.4 | 24.4           | 22.8           | 22.0 | 22.0           | 22.0           | 29.7 | 29.7           | 28.2           | 39.8 | 39.8           | 38.3           |
| DTR-20M-12M-20M | 20          | 12                       | 20                       | 9.8      | 34.9               | 32 | 22 | 32 | 26.0 | 22.8           | 26.0           | 22.0 | 22.0           | 22.0           | 32.5 | 32.5           | 32.5           | 42.6 | 42.6           | 42.6           |
| DTR-20M-20M-6M  | 20          | 20                       | 6                        | 4.8      | 34.9               | 32 | 32 | 14 | 26.0 | 26.0           | 15.3           | 22.0 | 22.0           | 17.7           | 32.5 | 32.5           | 31.0           | 42.6 | 42.6           | 38.4           |
| DTR-20M-20M-10M | 20          | 20                       | 10                       | 7.9      | 34.9               | 32 | 32 | 19 | 26.0 | 26.0           | 17.2           | 22.0 | 22.0           | 19.5           | 32.5 | 32.5           | 32.5           | 42.6 | 42.6           | 40.1           |
| DTR-20M-20M-12M | 20          | 20                       | 12                       | 9.8      | 34.9               | 32 | 32 | 22 | 26.0 | 26.0           | 22.8           | 22.0 | 22.0           | 22.0           | 32.5 | 32.5           | 32.5           | 42.6 | 42.6           | 42.6           |
| DTR-20M-20M-25M | 20          | 20                       | 25                       | 15.9     | 34.9               | 32 | 32 | 38 | 26.0 | 26.0           | 31.3           | 22.0 | 22.0           | 26.5           | 34.3 | 34.3           | 36.8           | 44.4 | 44.4           | 49.1           |
| DTR-20M-20M-32M | 20          | 20                       | 32                       | 15.9     | 46                 | 32 | 32 | 50 | 26.0 | 26.0           | 42.0           | 22.0 | 22.0           | 41.6           | 42.5 | 42.5           | 49.3           | 52.6 | 52.6           | 72.3           |
| DTR-22M-22M-12M | 22          | 22                       | 12                       | 9.8      | 34.9               | 32 | 32 | 22 | 26.0 | 26.0           | 22.8           | 22.0 | 22.0           | 22.0           | 32.5 | 32.5           | 32.5           | 42.6 | 42.6           | 42.6           |
| DTR-25M-20M-20M | 25          | 20                       | 20                       | 15.9     | 34.9               | 38 | 32 | 32 | 31.3 | 26.0           | 26.0           | 26.5 | 22.0           | 22.0           | 36.8 | 34.3           | 34.3           | 49.1 | 44.4           | 44.4           |
| DTR-25M-25M-10M | 25          | 25                       | 10                       | 7.9      | 34.9               | 38 | 38 | 19 | 31.3 | 31.3           | 17.2           | 26.5 | 26.5           | 19.5           | 36.8 | 36.8           | 34.3           | 49.1 | 49.1           | 38.9           |
| DTR-25M-25M-12M | 25          | 25                       | 12                       | 9.8      | 34.9               | 38 | 38 | 22 | 31.3 | 31.3           | 22.8           | 26.5 | 26.5           | 22.0           | 36.8 | 36.8           | 34.3           | 49.1 | 49.1           | 44.4           |
| DTR-25M-25M-20M | 25          | 25                       | 20                       | 15.9     | 34.9               | 38 | 38 | 32 | 31.3 | 31.3           | 26.0           | 26.5 | 26.5           | 22.0           | 36.8 | 36.8           | 34.3           | 49.1 | 49.1           | 44.4           |
| DTR-32M-32M-20M | 32          | 32                       | 20                       | 15.9     | 46                 | 38 | 38 | 32 | 42.0 | 42.0           | 26.0           | 41.6 | 41.6           | 22.0           | 49.3 | 49.3           | 42.5           | 72.3 | 72.3           | 52.6           |
| DTR-38M-32M-32M | 38          | 32                       | 32                       | 28.6     | 50.8               | 60 | 38 | 38 | 49.4 | 42.0           | 42.0           | 47.9 | 41.6           | 41.6           | 56.4 | 54.7           | 54.7           | 84.0 | 77.7           | 77.7           |
| DTR-38M-38M-20M | 38          | 38                       | 20                       | 15.9     | 50.8               | 60 | 60 | 32 | 49.4 | 49.4           | 26.0           | 47.9 | 47.9           | 22.0           | 56.4 | 56.4           | 47.9           | 84.0 | 84.0           | 58.0           |
| DTR-38M-38M-25M | 38          | 38                       | 25                       | 21.8     | 50.8               | 60 | 60 | 38 | 49.4 | 49.4           | 31.3           | 47.9 | 47.9           | 26.5           | 56.4 | 56.4           | 50.4           | 84.0 | 84.0           | 62.7           |

# DMC-N

## Złącze proste z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DMC-N znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury stalowej z wewnętrznym gwintem NPT

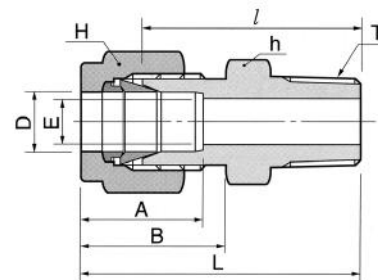
**DMC-...-...N**

| Kod        | Śr. zewn. rury |       | T     | E     | Odległość pow. płaskich |       |       |       | A     | B     | I     | L      |
|------------|----------------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|-------|--------|
|            | D              |       |       |       | h                       |       | H     |       |       |       |       |        |
|            | in             | mm    |       |       | NPT                     | min   | in    | mm    |       |       |       |        |
| DMC-1-1N   | 1/16           | 1.59  | 1/16  | 1.27  | 5/16                    | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 20.00 | 23.83  |
| DMC-1-2N   | 1/16           | 1.59  | 1/8   | 1.27  | 7/16                    | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 22.35 | 26.23  |
| DMC-1-4N   | 1/16           | 1.59  | 1/4   | 1.27  | 9/16                    | 14.28 | 5/16  | 7.93  | 8.63  | 10.92 | 27.17 | 30.98  |
| DMC-2-1N   | 1/8            | 3.17  | 1/16  | 2.28  | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 23.11 | 29.71  |
| DMC-2-2N   | 1/8            | 3.17  | 1/8   | 2.28  | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 23.87 | 30.48  |
| DMC-2-4N   | 1/8            | 3.17  | 1/4   | 2.28  | 9/16                    | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 28.95 | 35.56  |
| DMC-2-6N   | 1/8            | 3.17  | 3/8   | 2.28  | 11/16                   | 17.46 | 7/16  | 11.11 | 12.70 | 15.24 | 29.21 | 35.81  |
| DMC-2-8N   | 1/8            | 3.17  | 1/2   | 2.28  | 7/8                     | 22.22 | 7/16  | 11.11 | 12.70 | 15.24 | 35.56 | 42.16  |
| DMC-3-2N   | 3/16           | 4.76  | 1/8   | 3.04  | 7/16                    | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 24.63 | 31.24  |
| DMC-3-4N   | 3/16           | 4.76  | 1/4   | 3.04  | 9/16                    | 14.28 | 1/2   | 12.70 | 13.71 | 16.00 | 29.71 | 36.32  |
| DMC-4-1N   | 1/4            | 6.35  | 1/16  | 4.82  | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 25.40 | 32.76  |
| DMC-4-2N   | 1/4            | 6.35  | 1/8   | 4.82  | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 25.40 | 32.76  |
| DMC-4-4N   | 1/4            | 6.35  | 1/4   | 4.82  | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 30.48 | 37.84  |
| DMC-4-6N   | 1/4            | 6.35  | 3/8   | 4.82  | 11/16                   | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 30.98 | 38.35  |
| DMC-4-8N   | 1/4            | 6.35  | 1/2   | 4.82  | 7/8                     | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 37.33 | 44.70  |
| DMC-4-12N  | 1/4            | 6.35  | 3/4   | 4.82  | 1-1/16                  | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 38.86 | 46.22  |
| DMC-5-2N   | 5/16           | 7.93  | 1/8   | 4.82  | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 26.67 | 34.03  |
| DMC-5-4N   | 5/16           | 7.93  | 1/4   | 6.35  | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 31.24 | 38.60  |
| DMC-5-6N   | 5/16           | 7.93  | 3/8   | 6.35  | 11/16                   | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 31.75 | 39.11  |
| DMC-5-8N   | 5/16           | 7.93  | 1/2   | 6.35  | 7/8                     | 22.22 | 5/8   | 15.87 | 16.25 | 18.54 | 38.11 | 45.60  |
| DMC-6-2N   | 3/8            | 9.52  | 1/8   | 4.82  | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 27.94 | 35.30  |
| DMC-6-4N   | 3/8            | 9.52  | 1/4   | 7.11  | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 39.87  |
| DMC-6-6N   | 3/8            | 9.52  | 3/8   | 7.11  | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 39.87  |
| DMC-6-8N   | 3/8            | 9.52  | 1/2   | 7.11  | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 38.86 | 46.22  |
| DMC-6-12N  | 3/8            | 9.52  | 3/4   | 7.11  | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 40.38 | 47.75  |
| DMC-6-16N  | 3/8            | 9.52  | 1     | 7.11  | 1-3/8                   | 34.92 | 11/16 | 17.46 | 16.76 | 19.30 | 47.0  | 54.37  |
| DMC-8-2N   | 1/2            | 12.70 | 1/8   | 4.82  | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 28.70 | 38.86  |
| DMC-8-4N   | 1/2            | 12.70 | 1/4   | 7.11  | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 33.27 | 43.43  |
| DMC-8-6N   | 1/2            | 12.70 | 3/8   | 9.65  | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 33.27 | 43.43  |
| DMC-8-8N   | 1/2            | 12.70 | 1/2   | 10.41 | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 49.02  |
| DMC-8-12N  | 1/2            | 12.70 | 3/4   | 10.41 | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 40.38 | 50.54  |
| DMC-8-16N  | 1/2            | 12.70 | 1     | 10.41 | 1-3/8                   | 34.92 | 7/8   | 22.22 | 22.86 | 21.84 | 46.99 | 57.15  |
| DMC-10-4N  | 5/8            | 15.87 | 1/4   | 6.35  | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 33.80 | 43.96  |
| DMC-10-6N  | 5/8            | 15.87 | 3/8   | 9.65  | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 34.03 | 44.19  |
| DMC-10-8N  | 5/8            | 15.87 | 1/2   | 11.93 | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 38.86 | 49.02  |
| DMC-10-12N | 5/8            | 15.87 | 3/4   | 12.70 | 1-1/16                  | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-6N  | 3/4            | 19.05 | 3/8   | 9.65  | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 34.03 | 44.19  |
| DMC-12-8N  | 3/4            | 19.05 | 1/2   | 11.93 | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-12N | 3/4            | 19.05 | 3/4   | 15.74 | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-16N | 3/4            | 19.05 | 1     | 15.74 | 1-3/8                   | 34.92 | 1-1/8 | 28.58 | 24.38 | 21.84 | 46.99 | 57.15  |
| DMC-14-8N  | 7/8            | 22.22 | 1/2   | 11.9  | 1-3/16                  | 30.16 | 1-1/4 | 31.75 | 25.90 | 21.84 | 40.38 | 50.54  |
| DMC-14-12N | 7/8            | 22.22 | 3/4   | 15.74 | 1-3/16                  | 30.16 | 1-1/4 | 31.75 | 25.90 | 21.84 | 40.38 | 50.54  |
| DMC-14-16N | 7/8            | 22.22 | 1     | 18.28 | 1-3/8                   | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 46.99 | 57.15  |
| DMC-16-6N  | 1              | 25.40 | 3/8   | 9.65  | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 40.30 | 52.49  |
| DMC-16-8N  | 1              | 25.40 | 1/2   | 11.93 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 45.21 | 57.40  |
| DMC-16-12N | 1              | 25.40 | 3/4   | 15.74 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 45.21 | 57.40  |
| DMC-16-16N | 1              | 25.40 | 1     | 22.35 | 1-3/8                   | 34.62 | 1-1/2 | 38.10 | 31.24 | 26.41 | 50.03 | 62.23  |
| DMC-20-16N | 1-1/4          | 31.75 | 1     | 22.35 | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 55.11 | 77.21  |
| DMC-20-20N | 1-1/4          | 31.75 | 1-1/4 | 27.68 | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 55.11 | 77.21  |
| DMC-20-24N | 1-1/4          | 31.75 | 1-1/2 | 27.68 | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 60.54 | 82.64  |
| DMC-24-16N | 1-1/2          | 38.10 | 1     | 22.30 | 2-1/8                   | 53.98 | 2-1/4 | 57.15 | 50.03 | 45.21 | 59.42 | 86.60  |
| DMC-24-20N | 1-1/2          | 38.10 | 1-1/4 | 27.68 | 2-1/8                   | 53.98 | 2-1/4 | 57.15 | 50.03 | 45.21 | 59.42 | 86.60  |
| DMC-24-24N | 1-1/2          | 38.10 | 1-1/2 | 33.90 | 2-1/8                   | 53.98 | 2-1/4 | 57.15 | 50.03 | 45.21 | 61.72 | 88.90  |
| DMC-24-32N | 1-1/2          | 38.10 | 2     | 33.90 | 2-3/4                   | 69.85 | 2-1/4 | 57.15 | 50.03 | 45.21 | 62.42 | 99.75  |
| DMC-32-8N  | 2              | 50.80 | 1/2   | 11.93 | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 68.40 | 105.73 |
| DMC-32-20N | 2              | 50.80 | 1-1/4 | 45.97 | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 71.40 | 108.73 |
| DMC-32-24N | 2              | 50.80 | 1-1/2 | 45.97 | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 75.50 | 112.83 |
| DMC-32-32N | 2              | 50.80 | 2     | 45.97 | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 76.20 | 113.53 |



## Złącze proste z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DMC-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury metrycznej z wewnętrznym gwintem NPT

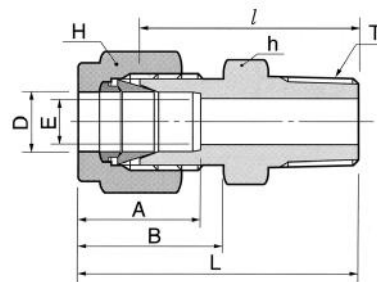
DMC-...M-...N

| Kod         | Śr. zewn. rury<br>D | T<br>NPT | E<br>min | Odległość pow. płaskich |    | A    | B    | l    | L    |
|-------------|---------------------|----------|----------|-------------------------|----|------|------|------|------|
|             |                     |          |          | h                       | H  |      |      |      |      |
| DMC-2M-2N   | 2                   | 1/8      | 1.7      | 12                      | 12 | 12.9 | 15.3 | 23.9 | 30.5 |
| DMC-3M-2N   | 3                   | 1/8      | 2.4      | 12                      | 12 | 12.9 | 15.3 | 23.1 | 29.7 |
| DMC-3M-4N   | 3                   | 1/4      | 2.4      | 14                      | 12 | 12.9 | 15.3 | 29.0 | 35.6 |
| DMC-4M-2N   | 4                   | 1/8      | 2.4      | 12                      | 12 | 13.7 | 16.1 | 24.6 | 31.2 |
| DMC-4M-4N   | 4                   | 1/4      | 2.4      | 14                      | 12 | 13.7 | 16.1 | 29.7 | 36.3 |
| DMC-6M-2N   | 6                   | 1/8      | 4.8      | 14                      | 14 | 15.3 | 17.7 | 25.4 | 32.8 |
| DMC-6M-4N   | 6                   | 1/4      | 4.8      | 14                      | 14 | 15.3 | 17.7 | 30.2 | 37.6 |
| DMC-6M-6N   | 6                   | 3/8      | 4.8      | 18                      | 14 | 15.3 | 17.7 | 31.0 | 38.4 |
| DMC-6M-8N   | 6                   | 1/2      | 4.8      | 22                      | 14 | 15.3 | 17.7 | 37.3 | 44.0 |
| DMC-8M-2N   | 8                   | 1/8      | 4.8      | 15                      | 16 | 16.2 | 18.6 | 26.7 | 34.2 |
| DMC-8M-4N   | 8                   | 1/4      | 6.4      | 15                      | 16 | 16.2 | 18.6 | 31.2 | 38.7 |
| DMC-8M-6N   | 8                   | 3/8      | 6.4      | 18                      | 16 | 16.2 | 18.6 | 31.8 | 39.2 |
| DMC-8M-8N   | 8                   | 1/2      | 6.4      | 22                      | 16 | 16.2 | 18.6 | 37.3 | 44.8 |
| DMC-10M-2N  | 10                  | 1/8      | 4.8      | 18                      | 19 | 17.2 | 19.5 | 28.7 | 36.3 |
| DMC-10M-4N  | 10                  | 1/4      | 7.1      | 18                      | 19 | 17.2 | 19.5 | 33.3 | 40.9 |
| DMC-10M-6N  | 10                  | 3/8      | 7.9      | 18                      | 19 | 17.2 | 19.5 | 33.3 | 40.9 |
| DMC-10M-8N  | 10                  | 1/2      | 7.9      | 22                      | 19 | 17.2 | 19.5 | 38.1 | 45.7 |
| DMC-10M-12N | 10                  | 3/4      | 7.9      | 27                      | 19 | 17.2 | 19.5 | 38.9 | 46.5 |
| DMC-12M-2N  | 12                  | 1/8      | 4.8      | 22                      | 22 | 22.8 | 22.0 | 28.7 | 38.8 |
| DMC-12M-4N  | 12                  | 1/4      | 7.1      | 22                      | 22 | 22.8 | 22.0 | 33.3 | 43.4 |
| DMC-12M-6N  | 12                  | 3/8      | 9.5      | 22                      | 22 | 22.8 | 22.0 | 33.3 | 43.4 |
| DMC-12M-8N  | 12                  | 1/2      | 9.5      | 22                      | 22 | 22.8 | 22.0 | 38.1 | 48.2 |
| DMC-12M-12N | 12                  | 3/4      | 9.5      | 27                      | 22 | 22.8 | 22.0 | 38.9 | 49.0 |
| DMC-14M-4N  | 14                  | 1/4      | 6.4      | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-14M-6N  | 14                  | 3/8      | 9.5      | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-14M-8N  | 14                  | 1/2      | 11.1     | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-15M-8N  | 15                  | 1/2      | 11.9     | 24                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-16M-4N  | 16                  | 1/4      | 7.1      | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-16M-6N  | 16                  | 3/8      | 9.5      | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-16M-8N  | 16                  | 1/2      | 11.9     | 24                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-16M-12N | 16                  | 3/4      | 12.7     | 27                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-18M-8N  | 18                  | 1/2      | 11.9     | 27                      | 30 | 24.4 | 22.0 | 40.4 | 50.5 |
| DMC-18M-12N | 18                  | 3/4      | 15.1     | 27                      | 30 | 24.4 | 22.0 | 40.4 | 50.5 |
| DMC-20M-8N  | 20                  | 1/2      | 11.9     | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-20M-12N | 20                  | 3/4      | 15.9     | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-22M-12N | 22                  | 3/4      | 15.9     | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-22M-16N | 22                  | 1        | 18.3     | 35                      | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DMC-25M-8N  | 25                  | 1/2      | 11.9     | 35                      | 38 | 31.3 | 26.5 | 45.2 | 57.5 |
| DMC-25M-12N | 25                  | 3/4      | 15.9     | 35                      | 38 | 31.3 | 26.5 | 45.2 | 57.5 |
| DMC-25M-16N | 25                  | 1        | 21.8     | 35                      | 38 | 31.3 | 26.5 | 50.0 | 62.3 |
| DMC-28M-16N | 28                  | 1        | 21.8     | 41                      | 46 | 36.6 | 36.6 | 51.6 | 72.4 |
| DMC-28M-20N | 28                  | 1-1/4    | 21.8     | 46                      | 46 | 36.6 | 36.6 | 52.3 | 73.1 |
| DMC-30M-20N | 30                  | 1-1/4    | 26.2     | 46                      | 50 | 39.6 | 39.2 | 55.6 | 77.2 |
| DMC-32M-20N | 32                  | 1-1/4    | 28.6     | 46                      | 50 | 42.0 | 41.6 | 56.6 | 79.6 |
| DMC-38M-24N | 38                  | 1-1/2    | 33.7     | 55                      | 60 | 49.4 | 47.9 | 64.0 | 91.6 |

# DMC-R

## Złącze proste z gwintem zewnętrznym R (BSPT)

Wartości ciśnień dla złączki DMC-R znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury stalowej z wewnętrznym gwintem stożkowym ISO

**DMC-...-...R**

| Kod        | Śr. zewn. rury |       | T<br>R (BSPT) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | L      |
|------------|----------------|-------|---------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|--------|
|            | D              |       |               |          | h                       |       | H     |       |       |       |       |        |
|            | in             | mm    |               |          | in                      | mm    | in    | mm    |       |       |       |        |
| DMC-2-2R   | 1/8            | 3.17  | 1/8           | 2.28     | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 23.87 | 30.48  |
| DMC-2-4R   | 1/8            | 3.17  | 1/4           | 2.28     | 9/16                    | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 28.95 | 35.56  |
| DMC-4-2R   | 1/4            | 6.35  | 1/8           | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 25.40 | 32.76  |
| DMC-4-4R   | 1/4            | 6.35  | 1/4           | 4.82     | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 30.48 | 37.84  |
| DMC-4-6R   | 1/4            | 6.35  | 3/8           | 4.82     | 11/16                   | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 30.98 | 38.35  |
| DMC-4-8R   | 1/4            | 6.35  | 1/2           | 4.82     | 7/8                     | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 37.33 | 44.70  |
| DMC-5-2R   | 5/16           | 7.93  | 1/8           | 4.82     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 26.67 | 34.03  |
| DMC-5-4R   | 5/16           | 7.93  | 1/4           | 6.35     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 31.24 | 38.60  |
| DMC-5-16R  | 5/16           | 7.93  | 1             | 6.35     | 1-3/8                   | 34.92 | 5/8   | 15.87 | 16.25 | 18.54 | 46.2  | 50.0   |
| DMC-6-2R   | 3/8            | 9.52  | 1/8           | 4.82     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 27.94 | 35.30  |
| DMC-6-4R   | 3/8            | 9.52  | 1/4           | 7.11     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 39.87  |
| DMC-6-6R   | 3/8            | 9.52  | 3/8           | 7.11     | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 39.87  |
| DMC-6-8R   | 3/8            | 9.52  | 1/2           | 7.11     | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 38.86 | 46.22  |
| DMC-6-12R  | 3/8            | 9.52  | 3/4           | 7.11     | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 40.38 | 47.75  |
| DMC-8-2R   | 1/2            | 12.70 | 1/8           | 4.82     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 28.70 | 38.86  |
| DMC-8-4R   | 1/2            | 12.70 | 1/4           | 7.11     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 33.27 | 43.43  |
| DMC-8-6R   | 1/2            | 12.70 | 3/8           | 9.65     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 33.27 | 43.43  |
| DMC-8-8R   | 1/2            | 12.70 | 1/2           | 10.41    | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 49.02  |
| DMC-8-12R  | 1/2            | 12.70 | 3/4           | 10.41    | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 40.38 | 50.54  |
| DMC-8-16R  | 1/2            | 12.70 | 1             | 10.41    | 1-3/8                   | 34.92 | 7/8   | 22.22 | 22.86 | 21.84 | 46.99 | 57.15  |
| DMC-10-6R  | 5/8            | 15.87 | 3/8           | 9.65     | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 34.03 | 44.19  |
| DMC-10-8R  | 5/8            | 15.87 | 1/2           | 11.93    | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 38.86 | 49.02  |
| DMC-10-12R | 5/8            | 15.87 | 3/4           | 12.70    | 1-1/16                  | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-8R  | 3/4            | 19.05 | 1/2           | 11.93    | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-12R | 3/4            | 19.05 | 3/4           | 15.74    | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 40.38 | 50.54  |
| DMC-12-16R | 3/4            | 19.05 | 1             | 15.74    | 1-3/8                   | 34.92 | 1-1/8 | 28.58 | 24.38 | 21.84 | 46.99 | 57.15  |
| DMC-16-12R | 1              | 25.40 | 3/4           | 15.74    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 45.21 | 57.40  |
| DMC-16-16R | 1              | 25.40 | 1             | 22.35    | 1-3/8                   | 34.62 | 1-1/2 | 38.10 | 31.24 | 26.41 | 50.03 | 62.23  |
| DMC-20-12R | 1-1/4          | 31.75 | 3/4           | 15.74    | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 50.0  | 72.10  |
| DMC-20-16R | 1-1/4          | 31.75 | 1             | 22.35    | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 55.11 | 77.21  |
| DMC-20-20R | 1-1/4          | 31.75 | 1-1/4         | 27.68    | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 55.11 | 77.21  |
| DMC-32-32R | 2              | 50.80 | 2             | 45.97    | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 76.20 | 113.53 |

## DMCT

### Złącze do mocowania termopary



Większość przyłączy Dk-Lok może być wykonana jako przelotowa dla podłączenia termopar, z wyjątkiem złączy o bardzo małych gwintach jak np. 1/8". Aby zamówić, należy dodać literę T do kodu złącza DMC. Przykład: DMCT8-8N-S

Złącze przelotowe Dk-Lok nie ma wewnętrznych krawędzi ani stożków prowadzących wewnątrz korpusu. Pozwala to na przejście termopary lub rurki poprzez korpus złącza gwintowanego.

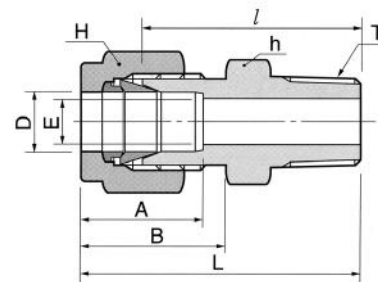
#### Instrukcja montażu:

1. umieścić na odpowiednią głębokość termoparę w złączu, przytrzymując aby nie przesuwiała się w czasie montażu
2. po dokręceniu nakrętki w palcach dokręć kluczem wykonując 1 i ¼ obrotu kontrolując drugim kluczem korpus złącza.

\* Dla rurek 1/8", 3/16" oraz 3 i 4 mm wykonuje się tylko ¾ obrotu nakrętki.

## Złącze proste z gwintem zewnętrznym R (BSPT)

Wartości ciśnień dla złączki DMC-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury metrycznej z wewnętrznym gwintem stożkowym ISO

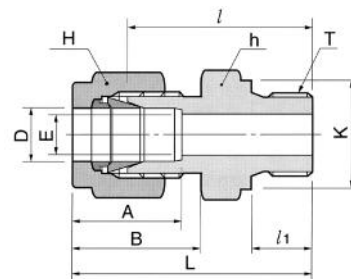
DMC-...M-...R

| Kod         | Śr. zewn. rury | T        | E    | Odległość pow. płaskich |    | A    | B    | l    | L    |
|-------------|----------------|----------|------|-------------------------|----|------|------|------|------|
|             | D              | R (BSPT) | min  | h                       | H  |      |      |      |      |
| DMC-2M-2R   | 2              | 1/8      | 1.7  | 12                      | 12 | 12.9 | 15.3 | 23.9 | 30.5 |
| DMC-3M-2R   | 3              | 1/8      | 2.4  | 12                      | 12 | 12.9 | 15.3 | 23.1 | 29.7 |
| DMC-3M-4R   | 3              | 1/4      | 2.4  | 14                      | 12 | 12.9 | 15.3 | 29.0 | 35.6 |
| DMC-4M-2R   | 4              | 1/8      | 2.4  | 12                      | 12 | 13.7 | 16.1 | 24.6 | 31.2 |
| DMC-4M-4R   | 4              | 1/4      | 2.4  | 14                      | 12 | 13.7 | 16.1 | 29.7 | 36.3 |
| DMC-6M-2R   | 6              | 1/8      | 4.8  | 14                      | 14 | 15.3 | 17.7 | 25.4 | 32.8 |
| DMC-6M-4R   | 6              | 1/4      | 4.8  | 14                      | 14 | 15.3 | 17.7 | 30.2 | 37.6 |
| DMC-6M-6R   | 6              | 3/8      | 4.8  | 18                      | 14 | 15.3 | 17.7 | 31.0 | 38.4 |
| DMC-6M-8R   | 6              | 1/2      | 4.8  | 22                      | 14 | 15.3 | 17.7 | 37.3 | 44.0 |
| DMC-8M-2R   | 8              | 1/8      | 4.8  | 15                      | 16 | 16.2 | 18.6 | 26.7 | 34.2 |
| DMC-8M-4R   | 8              | 1/4      | 6.4  | 15                      | 16 | 16.2 | 18.6 | 31.2 | 38.7 |
| DMC-8M-6R   | 8              | 3/8      | 6.4  | 18                      | 16 | 16.2 | 18.6 | 31.8 | 39.2 |
| DMC-8M-8R   | 8              | 1/2      | 6.4  | 22                      | 16 | 16.2 | 18.6 | 37.3 | 44.8 |
| DMC-10M-2R  | 10             | 1/8      | 4.8  | 18                      | 19 | 17.2 | 19.5 | 28.7 | 36.3 |
| DMC-10M-4R  | 10             | 1/4      | 7.1  | 18                      | 19 | 17.2 | 19.5 | 33.3 | 40.9 |
| DMC-10M-6R  | 10             | 3/8      | 7.9  | 18                      | 19 | 17.2 | 19.5 | 33.3 | 40.9 |
| DMC-10M-8R  | 10             | 1/2      | 7.9  | 22                      | 19 | 17.2 | 19.5 | 38.1 | 45.7 |
| DMC-10M-12R | 10             | 3/4      | 7.9  | 27                      | 19 | 17.2 | 19.5 | 38.9 | 46.5 |
| DMC-12M-4R  | 12             | 1/4      | 7.1  | 22                      | 22 | 22.8 | 22.0 | 33.3 | 43.4 |
| DMC-12M-6R  | 12             | 3/8      | 9.5  | 22                      | 22 | 22.8 | 22.0 | 33.3 | 43.4 |
| DMC-12M-8R  | 12             | 1/2      | 9.5  | 22                      | 22 | 22.8 | 22.0 | 38.1 | 48.2 |
| DMC-12M-12R | 12             | 3/4      | 9.5  | 27                      | 22 | 22.8 | 22.0 | 38.9 | 49.0 |
| DMC-14M-6R  | 14             | 3/8      | 9.5  | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-14M-8R  | 14             | 1/2      | 11.1 | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-15M-6R  | 15             | 3/8      | 9.5  | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-15M-8R  | 15             | 1/2      | 11.9 | 24                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-16M-4R  | 16             | 1/4      | 7.1  | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-16M-6R  | 16             | 3/8      | 9.5  | 24                      | 25 | 24.4 | 22.0 | 34.0 | 44.1 |
| DMC-16M-8R  | 16             | 1/2      | 11.9 | 24                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-16M-12R | 16             | 3/4      | 12.7 | 27                      | 25 | 24.4 | 22.0 | 38.9 | 49.0 |
| DMC-18M-8R  | 18             | 1/2      | 11.9 | 27                      | 30 | 24.4 | 22.0 | 40.4 | 50.5 |
| DMC-18M-12R | 18             | 3/4      | 15.1 | 27                      | 30 | 24.4 | 22.0 | 40.4 | 50.5 |
| DMC-20M-8R  | 20             | 1/2      | 11.9 | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-20M-12R | 20             | 3/4      | 15.9 | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-22M-8R  | 22             | 1/2      | 11.9 | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-22M-12R | 22             | 3/4      | 15.9 | 30                      | 32 | 26.0 | 22.0 | 42.2 | 52.3 |
| DMC-22M-16R | 22             | 1        | 18.3 | 35                      | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DMC-25M-8R  | 25             | 1/2      | 11.9 | 35                      | 38 | 31.3 | 26.5 | 45.2 | 57.5 |
| DMC-25M-12R | 25             | 3/4      | 15.9 | 35                      | 38 | 31.3 | 26.5 | 45.2 | 57.5 |
| DMC-25M-16R | 25             | 1        | 21.8 | 35                      | 38 | 31.3 | 26.5 | 50.0 | 62.3 |
| DMC-28M-16R | 28             | 1        | 21.8 | 41                      | 46 | 36.6 | 36.6 | 51.6 | 72.4 |
| DMC-28M-20R | 28             | 1-1/4    | 21.8 | 46                      | 46 | 36.6 | 36.6 | 52.3 | 73.1 |
| DMC-30M-20R | 30             | 1-1/4    | 26.2 | 46                      | 50 | 39.6 | 39.2 | 55.6 | 77.2 |
| DMC-32M-20R | 32             | 1-1/4    | 28.6 | 46                      | 50 | 42.0 | 41.6 | 56.6 | 79.6 |
| DMC-38M-24R | 38             | 1-1/2    | 33.7 | 55                      | 60 | 49.4 | 47.9 | 64.0 | 91.6 |

# DMC-G

## Złącze proste z gwintem zewnętrznym G (BSPP) pod uszczelkę metalowo-gumową

Wartości ciśnień dla złączki DMC-G znajdują się w tabeli nr 18 na stronie 11



### Połączenie rury stalowej z wewnętrznym gwintem równoległym ISO

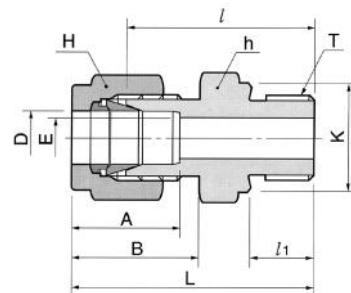
**DMC-...-...G**

| Kod        | Śr. zewn. rury |       | T        | E     | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | K     |
|------------|----------------|-------|----------|-------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|
|            | in             | mm    | G (BSPP) | min   | in                      | mm    | in    | mm    |       |       |       |                |       |       |
| DMC-2-2G   | 1/8            | 3.17  | 1/8      | 2.28  | 9/16                    | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 23.37 | 7.11           | 29.97 | 13.80 |
| DMC-2-4G   | 1/8            | 3.17  | 1/4      | 2.28  | 3/4                     | 19.05 | 7/16  | 11.11 | 12.70 | 15.24 | 28.70 | 11.18          | 35.31 | 18.00 |
| DMC-2-6G   | 1/8            | 3.17  | 3/8      | 2.28  | 7/8                     | 22.22 | 7/16  | 11.11 | 12.70 | 15.24 | 29.72 | 11.18          | 36.21 | 21.80 |
| DMC-4-2G   | 1/4            | 6.35  | 1/8      | 2.28  | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 24.89 | 7.11           | 32.26 | 13.80 |
| DMC-4-4G   | 1/4            | 6.35  | 1/4      | 4.8   | 3/4                     | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 30.23 | 11.18          | 37.59 | 18.00 |
| DMC-4-6G   | 1/4            | 6.35  | 3/8      | 4.8   | 7/8                     | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 31.50 | 11.18          | 38.86 | 21.80 |
| DMC-4-8G   | 1/4            | 6.35  | 1/2      | 4.8   | 1-1/16                  | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 37.34 | 14.22          | 44.70 | 26.00 |
| DMC-6-2G   | 3/8            | 9.52  | 1/8      | 4.8   | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 26.40 | 7.11           | 33.77 | 13.80 |
| DMC-6-4G   | 3/8            | 9.53  | 1/4      | 4.82  | 3/4                     | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 11.18          | 39.12 | 18.00 |
| DMC-6-6G   | 3/8            | 9.53  | 3/8      | 7.11  | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 33.02 | 11.18          | 40.39 | 21.80 |
| DMC-6-8G   | 3/8            | 9.53  | 1/2      | 7.11  | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 38.86 | 14.22          | 46.23 | 26.00 |
| DMC-8-4G   | 1/2            | 12.70 | 1/4      | 7.11  | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 32.51 | 11.18          | 42.67 | 18.00 |
| DMC-8-6G   | 1/2            | 12.70 | 3/8      | 7.90  | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 33.02 | 11.18          | 43.18 | 21.80 |
| DMC-8-8G   | 1/2            | 12.70 | 1/2      | 10.41 | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 14.22          | 49.02 | 26.00 |
| DMC-12-8G  | 3/4            | 19.05 | 1/2      | 11.93 | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 38.86 | 14.22          | 49.02 | 26.00 |
| DMC-12-12G | 3/4            | 19.05 | 3/4      | 15.74 | 1-5/16                  | 33.33 | 1-1/8 | 28.58 | 24.38 | 21.84 | 42.67 | 15.75          | 52.83 | 32.00 |
| DMC-16-8G  | 1              | 25.40 | 1/2      | 11.93 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 43.69 | 14.22          | 55.88 | 26.00 |
| DMC-16-12G | 1              | 25.40 | 3/4      | 15.74 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 43.69 | 15.75          | 55.88 | 32.00 |
| DMC-16-16G | 1              | 25.40 | 1        | 22.35 | 1-5/8                   | 41.27 | 1-1/2 | 38.10 | 31.24 | 26.41 | 47.75 | 18.29          | 59.94 | 39.00 |
| DMC-20-20G | 1-1/4          | 31.75 | 1-1/4    | 27.68 | 2                       | 50.80 | 1-7/8 | 47.63 | 41.14 | 38.86 | 51.16 | 20.00          | 73.26 | 49.00 |
| DMC-24-24G | 1-1/2          | 38.10 | 1-1/2    | 34.03 | 2-1/4                   | 57.15 | 2-1/4 | 57.15 | 50.03 | 45.21 | 57.57 | 22.00          | 84.75 | 54.70 |

# DMC-GB

## Złącze proste z gwintem zewnętrznym G pod uszczelkę metalową (wcześniej DOM)

Wartości ciśnień dla złączki DMC-GB znajdują się w tabeli nr 18 na stronie 11



### Połączenie rury stalowej z wewnętrznym gwintem równoległym ISO

**DMC-...-...GB**

| Kod         | Śr. zewn. rury |       | T        | E     | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | K     |
|-------------|----------------|-------|----------|-------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|
|             | in             | mm    | G (BSPP) | min   | in                      | mm    | in    | mm    |       |       |       |                |       |       |
| DMC-2-2GB   | 1/8            | 3.17  | 1/8      | 2.28  | 9/16                    | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 23.37 | 7.11           | 29.97 | 13.72 |
| DMC-2-4GB   | 1/8            | 3.17  | 1/4      | 2.28  | 3/4                     | 19.05 | 7/16  | 11.11 | 12.70 | 15.24 | 28.70 | 11.18          | 35.31 | 18.03 |
| DMC-2-6GB   | 1/8            | 3.17  | 3/8      | 2.28  | 7/8                     | 22.22 | 7/16  | 11.11 | 12.70 | 15.24 | 29.72 | 11.18          | 36.21 | 21.84 |
| DMC-4-2GB   | 1/4            | 6.35  | 1/8      | 2.28  | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 24.89 | 7.11           | 32.26 | 13.72 |
| DMC-4-4GB   | 1/4            | 6.35  | 1/4      | 4.82  | 3/4                     | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 30.23 | 11.18          | 37.59 | 18.03 |
| DMC-4-6GB   | 1/4            | 6.35  | 3/8      | 4.82  | 7/8                     | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 31.50 | 11.18          | 38.86 | 21.84 |
| DMC-4-8GB   | 1/4            | 6.35  | 1/2      | 4.82  | 1-1/16                  | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 37.34 | 14.22          | 44.70 | 25.91 |
| DMC-6-4GB   | 3/8            | 9.53  | 1/4      | 4.82  | 3/4                     | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 11.18          | 39.12 | 18.03 |
| DMC-6-6GB   | 3/8            | 9.53  | 3/8      | 7.11  | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 33.02 | 11.18          | 40.39 | 21.84 |
| DMC-6-8GB   | 3/8            | 9.53  | 1/2      | 7.11  | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 38.86 | 14.22          | 46.23 | 25.91 |
| DMC-8-4GB   | 1/2            | 12.70 | 1/4      | 7.11  | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 32.51 | 11.18          | 42.67 | 18.03 |
| DMC-8-6GB   | 1/2            | 12.70 | 3/8      | 9.65  | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 33.02 | 11.18          | 43.18 | 21.84 |
| DMC-8-8GB   | 1/2            | 12.70 | 1/2      | 10.41 | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 14.22          | 49.02 | 25.91 |
| DMC-12-8GB  | 3/4            | 19.05 | 1/2      | 11.93 | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 38.86 | 14.22          | 49.02 | 25.91 |
| DMC-12-12GB | 3/4            | 19.05 | 3/4      | 15.74 | 1-5/16                  | 33.33 | 1-1/8 | 28.58 | 24.38 | 21.84 | 42.67 | 15.75          | 52.83 | 32.00 |
| DMC-16-8GB  | 1              | 25.40 | 1/2      | 11.93 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 43.69 | 14.22          | 55.88 | 25.91 |
| DMC-16-16GB | 1              | 25.40 | 1        | 22.35 | 1-5/8                   | 41.27 | 1-1/2 | 38.10 | 31.24 | 26.41 | 47.75 | 18.29          | 59.94 | 39.12 |
| DMC-20-20GB | 1-1/4          | 31.75 | 1-1/4    | 27.68 | 2                       | 50.80 | 1-7/8 | 47.63 | 41.14 | 38.86 | 51.16 | 20.00          | 73.26 | 49.00 |
| DMC-24-24GB | 1-1/2          | 38.10 | 1-1/2    | 34.03 | 2-1/4                   | 57.15 | 2-1/4 | 57.15 | 50.03 | 45.21 | 57.57 | 22.00          | 84.75 | 54.70 |

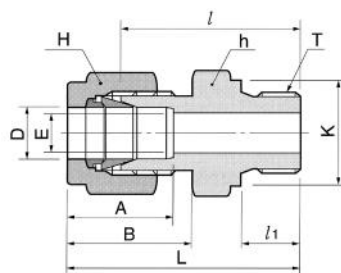
# DMC-G, -GB

## Złącze proste z gwintem zewnętrznym G (BSPP) pod uszczelkę

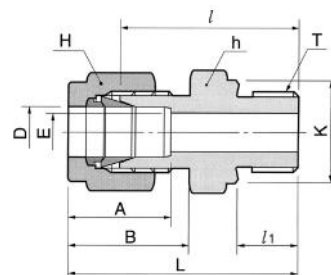
Wartości ciśnień dla złączki DMC-G, DMC-GB  
znajdują się w tabeli nr 18 na stronie 11



**DMC-G**  
pod uszczelkę metalowo-gumową  
(np. DMC-6M-4G)



**DMC-GB**  
pod uszczelkę metalową  
(np. DMC-6M-4GB)



### Połączenie rury metrycznej z wewnętrznym gwintem równoległym ISO

### DMC-...M-...G, GB

| Kod                | Śr. zewn. rury | T        | E    | Odległość pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    | K    |
|--------------------|----------------|----------|------|-------------------------|----|------|------|------|----------------|------|------|
|                    | D              | G (BSPP) |      | h                       | H  |      |      |      |                |      |      |
| DMC-3M-2G(-2GB)    | 3              | 1/8      | 2.4  | 14                      | 12 | 12.9 | 15.3 | 23.4 | 7.1            | 30.0 | 13.8 |
| DMC-3M-4G(-4GB)    | 3              | 1/4      | 2.4  | 19                      | 12 | 12.9 | 15.3 | 28.7 | 11.2           | 35.3 | 18.0 |
| DMC-4M-2G(-2GB)    | 4              | 1/8      | 2.4  | 14                      | 12 | 13.7 | 16.1 | 24.1 | 7.1            | 30.7 | 13.8 |
| DMC-6M-2G(-2GB)    | 6              | 1/8      | 4.0  | 14                      | 14 | 15.3 | 17.7 | 24.9 | 7.1            | 32.3 | 13.8 |
| DMC-6M-4G(-4GB)    | 6              | 1/4      | 4.8  | 19                      | 14 | 15.3 | 17.7 | 30.2 | 11.2           | 37.6 | 18.0 |
| DMC-6M-6G(-6GB)    | 6              | 3/8      | 4.8  | 22                      | 14 | 15.3 | 17.7 | 31.5 | 11.2           | 38.9 | 21.8 |
| DMC-6M-8G(-8GB)    | 6              | 1/2      | 4.8  | 27                      | 14 | 15.3 | 17.7 | 37.3 | 14.2           | 44.7 | 26.0 |
| DMC-8M-2G(-2GB)    | 8              | 1/8      | 4.0  | 15                      | 16 | 16.2 | 18.6 | 25.7 | 7.1            | 33.2 | 13.8 |
| DMC-8M-4G(-4GB)    | 8              | 1/4      | 6.4  | 19                      | 16 | 16.2 | 18.6 | 31.0 | 11.2           | 38.5 | 13.8 |
| DMC-8M-6G(-6GB)    | 8              | 3/8      | 6.4  | 22                      | 16 | 16.2 | 18.6 | 32.3 | 11.2           | 39.8 | 21.8 |
| DMC-8M-8G(-8GB)    | 8              | 1/2      | 6.4  | 27                      | 16 | 16.2 | 18.6 | 38.1 | 14.2           | 45.6 | 26.0 |
| DMC-10M-4G(-4GB)   | 10             | 1/4      | 5.9  | 19                      | 19 | 17.2 | 19.5 | 31.8 | 11.2           | 39.4 | 18.0 |
| DMC-10M-6G(-6GB)   | 10             | 3/8      | 7.9  | 22                      | 19 | 17.2 | 19.5 | 33.0 | 11.2           | 40.6 | 21.8 |
| DMC-10M-8G(-8GB)   | 10             | 1/2      | 7.9  | 27                      | 19 | 17.2 | 19.5 | 38.9 | 14.2           | 46.5 | 26.0 |
| DMC-12M-4G(-4GB)   | 12             | 1/4      | 5.9  | 22                      | 22 | 22.8 | 22.0 | 32.5 | 11.2           | 42.6 | 18.0 |
| DMC-12M-6G(-6GB)   | 12             | 3/8      | 7.9  | 22                      | 22 | 22.8 | 22.0 | 33.0 | 11.2           | 43.1 | 21.8 |
| DMC-12M-8G(-8GB)   | 12             | 1/2      | 9.5  | 27                      | 22 | 22.8 | 22.0 | 38.9 | 14.2           | 49.0 | 26.0 |
| DMC-12M-12G(-12GB) | 12             | 3/4      | 9.5  | 35                      | 22 | 22.8 | 22.0 | 42.7 | 15.7           | 52.8 | 32.0 |
| DMC-15M-8G(-8GB)   | 15             | 1/2      | 11.9 | 27                      | 25 | 24.4 | 22.0 | 33.9 | 14.2           | 49.0 | 26.0 |
| DMC-16M-6G(-6GB)   | 16             | 3/8      | 7.9  | 24                      | 25 | 24.4 | 22.0 | 33.8 | 11.2           | 43.9 | 21.8 |
| DMC-16M-8G(-8GB)   | 16             | 1/2      | 11.9 | 27                      | 25 | 24.4 | 22.0 | 38.9 | 14.2           | 49.0 | 26.0 |
| DMC-18M-8G(-8GB)   | 18             | 1/2      | 11.9 | 27                      | 30 | 24.4 | 22.0 | 38.9 | 14.2           | 49.0 | 26.0 |
| DMC-18M-12G(-12GB) | 18             | 3/4      | 15.1 | 35                      | 30 | 24.4 | 22.0 | 42.7 | 15.7           | 52.8 | 32.0 |
| DMC-20M-8G(-8GB)   | 20             | 1/2      | 11.9 | 30                      | 32 | 26.0 | 22.0 | 40.4 | 14.2           | 50.5 | 26.0 |
| DMC-20M-12G(-12GB) | 20             | 3/4      | 15.9 | 35                      | 32 | 26.0 | 22.0 | 42.7 | 15.7           | 52.8 | 32.0 |
| DMC-22M-12G(-12GB) | 22             | 3/4      | 15.9 | 35                      | 32 | 26.0 | 22.0 | 42.7 | 15.7           | 52.8 | 32.0 |
| DMC-22M-16G(-16GB) | 22             | 1        | 18.3 | 41                      | 32 | 26.0 | 22.0 | 45.2 | 18.3           | 55.3 | 39.0 |
| DMC-25M-12G(-12GB) | 25             | 3/4      | 15.9 | 35                      | 38 | 31.3 | 26.5 | 45.2 | 15.7           | 57.5 | 32.0 |
| DMC-25M-16G(-16GB) | 25             | 1        | 19.8 | 41                      | 38 | 31.3 | 26.5 | 47.8 | 18.3           | 60.1 | 39.0 |
| DMC-28M-16G(-16GB) | 28             | 1        | 19.8 | 41                      | 46 | 36.6 | 36.6 | 49.3 | 18.3           | 70.1 | 39.0 |
| DMC-28M-20G(-20GB) | 28             | 1-1/4    | 21.8 | 50                      | 46 | 36.6 | 36.6 | 53.1 | 19.8           | 73.9 | 49.0 |
| DMC-30M-20G(-20GB) | 30             | 1-1/4    | 21.8 | 50                      | 46 | 36.6 | 36.6 | 53.1 | 19.8           | 73.9 | 49.0 |
| DMC-32M-20G(-20GB) | 32             | 1-1/4    | 28.6 | 50                      | 50 | 42.0 | 41.6 | 55.9 | 19.8           | 78.9 | 49.0 |
| DMC-38M-24G(-24GB) | 38             | 1-1/2    | 31.8 | 55                      | 60 | 49.4 | 47.9 | 61.7 | 20.6           | 89.3 | 54.7 |



# Gwinty rurowe

## ISO 228-1

Międzynarodowa organizacja ds. standardów (International Standards Organization) przygotowała normy ISO 228-1 oraz ISO 7-1 aby ujednolicić nomenklaturę dotyczącą kilku podstawowych typów gwintów rurowych.

### ISO 228-1

ISO 228-1 prezentuje wewnętrzne i zewnętrzne równoległe gwinty rurowe, w przypadku których szczelność połączenia ciśnieniowego nie jest uzyskiwana na gwincie a poprzez docięśnięcie dwóch płaskich zewnętrznych powierzchni lub też dodatkowej uszczelki.

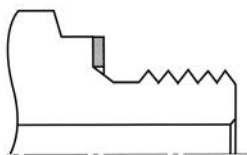
ISO 228-1 standaryzuje poniższe typy gwintów rurowych:

1. BS 2779 ( BSPP ), 2. DIN-ISO 228/1, 3. JIS B0202 (PF)

Na końcu gwintu znajduje się stożek samocentrujący. Stożek ten służy do centrycznego ustawienia uszczelki, która uszczelni doczołowo element z gwintem wewnętrznym.

DGB: stalowy pierścień z wprasowanym od środka ringiem z gumy NBR

DGV: pierścień ze stali nierdzewnej z prasowanym do środka ringiem z gumy FKM ( viton )

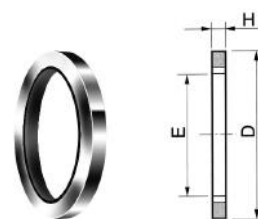


Uszczelnienie poprzez docięśnięcie doczołowo elementu z gwintem wewnętrznym.

Odpowiednik DIN 3852 Forma A

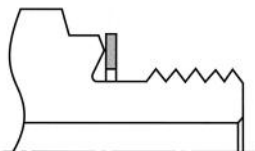
Zobacz na stronie 10 złącza z gwintem G

| Kod      |          | E    |      | H   |      | D     |      |
|----------|----------|------|------|-----|------|-------|------|
|          |          | mm   | in   | mm  | in   | mm    | in   |
| DGB-2-C  | DGV-2-S  | 10.4 | 0.41 | 2.0 | 0.08 | 16.0  | 0.63 |
| DGB-4-C  | DGV-4-S  | 13.7 | 0.54 | 2.0 | 0.08 | 20.6  | 0.81 |
| DGB-6-C  | DGV-6-S  | 17.3 | 0.68 | 2.0 | 0.08 | 23.9  | 0.94 |
| DGB-8-C  | DGV-8-S  | 21.6 | 0.85 | 2.5 | 0.10 | 28.7  | 1.13 |
| DGB-12-C | DGV-12-S | 26.9 | 1.06 | 2.5 | 0.10 | 35.1  | 1.38 |
| DGB-16-C | DGV-16-S | 33.8 | 1.33 | 2.5 | 0.10 | 42.9  | 1.69 |
| DGB-20-C | DGV-20-S | 42.4 | 1.67 | 2.5 | 0.10 | 51.05 | 2.01 |
| DGB-24-C | DGV-24-S | 48.8 | 1.92 | 2.5 | 0.10 | 59.18 | 2.33 |



Podkładka metalowa występuje pomiędzy odwróconym stożkiem na złączce a powierzchnią płaską na elemencie z gwintem wewnętrznym.

DGC podkładka miedziana

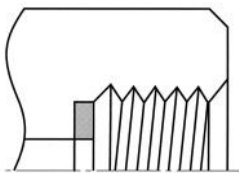
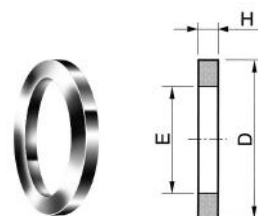


Uszczelnienie poprzez podkładkę.

Odpowiednik DIN 3852 Forma B

Zobacz na stronie 10 złącza z gwintem GB

| Kod    |  | E    |      | H   |      | D    |      |
|--------|--|------|------|-----|------|------|------|
|        |  | mm   | in   | mm  | in   | mm   | in   |
| DGC-2  |  | 9.9  | 0.39 | 1.0 | 0.04 | 15.0 | 0.59 |
| DGC-4  |  | 13.2 | 0.52 | 1.5 | 0.06 | 19.1 | 0.75 |
| DGC-6  |  | 16.8 | 0.66 | 1.5 | 0.06 | 23.1 | 0.91 |
| DGC-8  |  | 21.1 | 0.83 | 1.5 | 0.06 | 26.9 | 1.06 |
| DGC-12 |  | 26.7 | 1.05 | 2.0 | 0.08 | 33.0 | 1.30 |
| DGC-16 |  | 33.3 | 1.31 | 2.0 | 0.08 | 40.1 | 1.58 |
| DGC-20 |  | 42.2 | 1.66 | 2.0 | 0.08 | 49.8 | 1.96 |
| DGC-24 |  | 48.0 | 1.89 | 2.0 | 0.08 | 58.4 | 2.30 |



Uszczelnienie poprzez podkładkę.

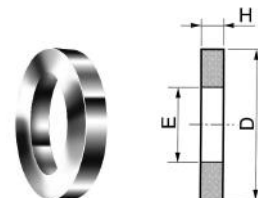
Odpowiednik DIN 3852 typ Y

Zobacz na stronie 10 złącza z gwintem GY

Podkładka jest umieszczana na płaskim dnie gwintu wewnętrznego. Powierzchnia płaska gwintu zewnętrznego uszczelnia poprzez wywieranie nacisku na podkładkę.

DGG podkładka miedziana.

| Kod    |  | E   |      | H   |      | D    |      |
|--------|--|-----|------|-----|------|------|------|
|        |  | mm  | in   | mm  | in   | mm   | in   |
| DGG-4- |  | 7.6 | 0.30 | 1.8 | 0.07 | 10.7 | 0.42 |
| DGG-6- |  | 8.6 | 0.34 | 2.3 | 0.09 | 14.2 | 0.56 |
| DGG-8- |  | 9.1 | 0.36 | 2.5 | 0.10 | 17.8 | 0.70 |

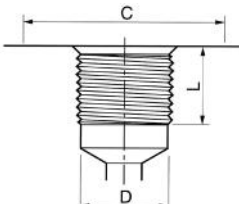


|                                  |           |          |                               |
|----------------------------------|-----------|----------|-------------------------------|
| Zakres temperatur dla uszczelkek | Uszczelka | Materiał | Zakres                        |
|                                  | DGB       | NBR      | -40 do 110°C (-40 do 230°F)   |
|                                  | DGV       | FKM      | -28 do 204°C (-20 do 400°F)   |
|                                  | DGC, DGG  | 58.4     | -198 do 204°C (-325 do 400°F) |

# Gwinty rurowe

ISO 7-1

ISO gwint rurowy wewnętrzny równoległy

|  | Oznaczenie przez DK-LOK gwintu rurowego | ISO rozmiar gwintu rurowego | Minimalna głębokość gwintu L (in) | Średnica wewnętrzna gwintu D (in) | Minimalna średnica powierzchni płaskiej pod DGB i DGC C (in) |
|-----------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------|
|                                                                                   | 2                                       | 1/8                         | 0.31                              | 0.337 / 0.348                     | 0.59                                                         |
|                                                                                   | 4                                       | 1/4                         | 0.47                              | 0.450 / 0.468                     | 0.75                                                         |
|                                                                                   | 6                                       | 3/8                         | 0.47                              | 0.588 / 0.606                     | 0.91                                                         |
|                                                                                   | 8                                       | 1/2                         | 0.55                              | 0.733 / 0.755                     | 1.06                                                         |
|                                                                                   | 12                                      | 3/4                         | 0.63                              | 0.949 / 0.971                     | 1.30                                                         |
|                                                                                   | 16                                      | 1                           | 0.71                              | 1.193 / 1.218                     | 1.58                                                         |

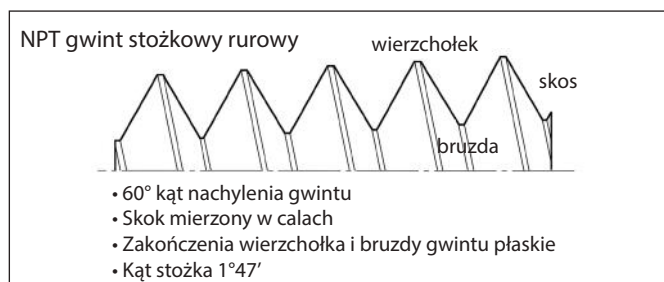
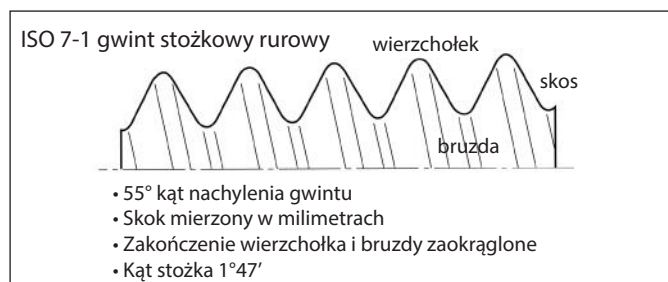
## ISO 7-1

ISO 7-1 prezentuje wewnętrzne i zewnętrzne gwinty rurowe w których szczelność połączenia uzyskuje się poprzez wzajemne dopasowanie. Ten typ gwintu wymaga uszczelnacza, który wypełni pustą przestrzeń pomiędzy gwintem zewnętrznym i wewnętrznym oraz chroni gwint przed zatarciem.

Uszczelniacz zazwyczaj zawiera środek smarujący.

ISO 7-1 standaryzuje poniższe typy gwintów.

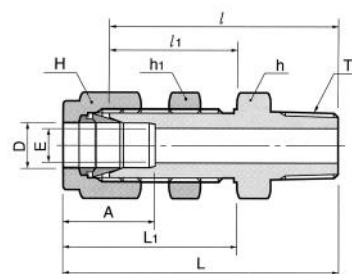
1. BS 21(BSPT), 2. JIS B0203(PT), 3. DIN 2999(tylko gwint zewnętrzny)



## DMCB-N

### Złącze proste przegrodowe z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DMCB-N znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury calowej z wewnętrznym gwintem NPT

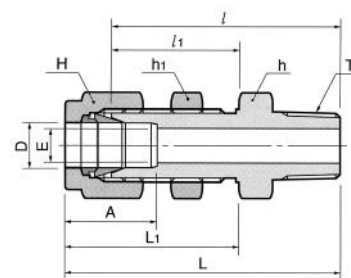
### DMCB-....-...N

| Kod         | Śr. zewn. rury |       | T     | E     | Odległość pow. płaskich |                |        |       |       |       | A     | l      | l <sub>1</sub> | L      | L <sub>1</sub> | Rozmiar otworu w panelu | Maks. grubość panelu |
|-------------|----------------|-------|-------|-------|-------------------------|----------------|--------|-------|-------|-------|-------|--------|----------------|--------|----------------|-------------------------|----------------------|
|             | D              |       |       |       | h                       | h <sub>1</sub> |        | H     |       |       |       |        |                |        |                |                         |                      |
|             | in             | mm    |       |       |                         | in             | mm     | in    | mm    |       |       |        |                |        |                |                         |                      |
| DMCB-2-2N   | 1/8            | 3.17  | 1/8   | 2.28  | 1/2                     | 12.70          | 1/2    | 12.70 | 7/16  | 11.11 | 12.70 | 39.87  | 24.63          | 46.48  | 31.24          | 8.33                    | 12.70                |
| DMCB-4-2N   | 1/4            | 6.35  | 1/8   | 4.82  | 5/8                     | 15.87          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 42.16  | 26.16          | 49.53  | 33.52          | 11.50                   | 10.16                |
| DMCB-4-4N   | 1/4            | 6.35  | 1/4   | 4.82  | 5/8                     | 15.87          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 45.97  | 26.16          | 53.34  | 33.52          | 11.50                   | 10.16                |
| DMCB-4-6N   | 1/4            | 6.35  | 3/8   | 4.8   | 3/4                     | 19.05          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 45.97  | 26.16          | 53.34  | 33.52          | 11.50                   | 10.16                |
| DMCB-4-8N   | 1/4            | 6.35  | 1/2   | 4.8   | 7/8                     | 22.22          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 53.08  | 26.16          | 60.45  | 33.52          | 11.50                   | 10.16                |
| DMCB-6-4N   | 3/8            | 9.52  | 1/4   | 7.11  | 3/4                     | 19.05          | 3/4    | 19.05 | 11/16 | 17.46 | 16.76 | 50.03  | 29.46          | 57.40  | 36.83          | 14.68                   | 11.17                |
| DMCB-6-6N   | 3/8            | 9.52  | 3/8   | 7.11  | 3/4                     | 19.05          | 3/4    | 19.05 | 11/16 | 17.46 | 16.76 | 50.03  | 29.46          | 57.40  | 36.83          | 14.68                   | 11.17                |
| DMCB-6-8N   | 3/8            | 9.52  | 1/2   | 7.11  | 7/8                     | 22.22          | 3/4    | 19.05 | 11/16 | 17.46 | 16.76 | 56.38  | 29.46          | 63.75  | 36.83          | 14.68                   | 11.17                |
| DMCB-8-6N   | 1/2            | 12.70 | 3/8   | 9.39  | 15/16                   | 23.81          | 15/16  | 23.81 | 7/8   | 22.22 | 22.86 | 53.08  | 31.75          | 63.24  | 41.91          | 19.44                   | 12.70                |
| DMCB-8-8N   | 1/2            | 12.70 | 1/2   | 10.41 | 15/16                   | 23.81          | 15/16  | 23.81 | 7/8   | 22.22 | 22.86 | 58.67  | 31.75          | 68.83  | 41.91          | 19.44                   | 12.70                |
| DMCB-10-6N  | 5/8            | 15.87 | 3/8   | 7.93  | 1-1/16                  | 26.98          | 1-1/16 | 26.98 | 1     | 25.4  | 24.38 | 54.52  | 32.51          | 64.68  | 42.67          | 22.62                   | 12.70                |
| DMCB-12-12N | 3/4            | 19.05 | 3/4   | 15.74 | 1-3/16                  | 30.16          | 1-3/16 | 30.16 | 1-1/8 | 28.58 | 24.38 | 66.04  | 37.33          | 76.20  | 47.49          | 25.76                   | 16.76                |
| DMCB-16-16N | 1              | 25.40 | 1     | 22.35 | 1-5/8                   | 41.28          | 1-5/8  | 41.28 | 1-1/2 | 38.10 | 31.24 | 81.02  | 45.21          | 93.21  | 57.40          | 33.73                   | 19.05                |
| DMCB-20-20N | 1-1/4          | 31.75 | 1-1/4 | 27.68 | 1-7/8                   | 47.63          | 1-7/8  | 47.63 | 1-7/8 | 47.63 | 41.14 | 85.97  | 47.75          | 108.07 | 69.85          | 41.67                   | 19.05                |
| DMCB-24-24N | 1-1/2          | 38.10 | 1-1/2 | 33.90 | 2-1/4                   | 57.15          | 2-1/4  | 57.15 | 2-1/4 | 57.15 | 50.03 | 93.03  | 49.27          | 120.21 | 76.45          | 49.61                   | 19.05                |
| DMCB-32-32N | 2              | 50.80 | 2     | 45.97 | 2-3/4                   | 69.85          | 2-3/4  | 69.85 | 3     | 76.20 | 67.5  | 107.29 | 56.38          | 144.6  | 93.71          | 16.27                   | 19.05                |

# DMCB-N

## Złącze proste przegrodowe z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DMCB-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury metrycznej z wewnętrznym gwintem NPT

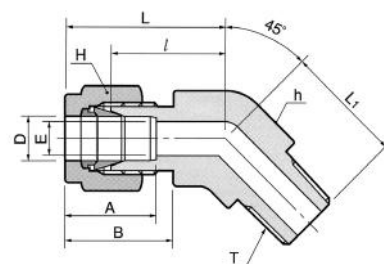
### DMCB-...M-...N

| Kod         | Śr. zewn. rury |  | T<br>NPT | E<br>min | Odległość pow. płaskich |                |    |      | A    | l    | l <sub>1</sub> | L    | L <sub>1</sub> | Rozmiar<br>otworu<br>w panel | Maks.<br>grubość<br>panelu |
|-------------|----------------|--|----------|----------|-------------------------|----------------|----|------|------|------|----------------|------|----------------|------------------------------|----------------------------|
|             | D              |  |          |          | h                       | h <sub>1</sub> | H  |      |      |      |                |      |                |                              |                            |
| DMCB-6M-2N  | 6              |  | 1/8      | 4.8      | 16                      | 16             | 14 | 15.3 | 42.2 | 26.2 | 49.6           | 33.6 | 33.6           | 11.5                         | 10.2                       |
| DMCB-6M-4N  | 6              |  | 1/4      | 4.8      | 16                      | 16             | 14 | 15.3 | 46.2 | 26.2 | 53.6           | 33.6 | 33.6           | 11.5                         | 10.2                       |
| DMCB-6M-6N  | 6              |  | 3/8      | 4.8      | 16                      | 16             | 14 | 15.3 | 46.2 | 26.2 | 53.6           | 33.6 | 33.6           | 11.5                         | 10.2                       |
| DMCB-6M-8N  | 6              |  | 1/2      | 4.8      | 16                      | 16             | 14 | 15.3 | 52.6 | 26.2 | 60.0           | 33.6 | 33.6           | 11.5                         | 10.2                       |
| DMCB-8M-6N  | 8              |  | 3/8      | 6.4      | 18                      | 18             | 16 | 16.2 | 50.0 | 28.6 | 57.5           | 36.1 | 36.1           | 13.1                         | 11.2                       |
| DMCB-10M-4N | 10             |  | 1/4      | 7.1      | 22                      | 22             | 19 | 17.2 | 50.0 | 29.4 | 57.5           | 37.0 | 37.0           | 16.2                         | 11.2                       |
| DMCB-10M-6N | 10             |  | 3/8      | 7.9      | 22                      | 22             | 19 | 17.2 | 50.0 | 29.4 | 57.5           | 37.0 | 37.0           | 16.2                         | 11.2                       |
| DMCB-10M-8N | 10             |  | 1/2      | 7.9      | 22                      | 22             | 19 | 17.2 | 55.9 | 29.4 | 63.5           | 37.0 | 37.0           | 16.2                         | 11.2                       |
| DMCB-12M-6N | 12             |  | 3/8      | 9.8      | 24                      | 24             | 22 | 22.8 | 53.3 | 31.8 | 63.4           | 41.9 | 41.9           | 19.5                         | 12.7                       |
| DMCB-12M-8N | 12             |  | 1/2      | 9.8      | 24                      | 24             | 22 | 22.8 | 58.7 | 31.8 | 68.8           | 41.9 | 41.9           | 19.5                         | 12.7                       |

# DLBM-N

## Złącze kątowe 45° z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DLBM-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury calowej z wewnętrznym gwintem NPT

### DLBM-...-...N

| Kod         | Śr. zewn. rury |       | T<br>NPT | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | L     | L <sub>1</sub> |
|-------------|----------------|-------|----------|----------|-------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | in             | mm    |          |          | h                       | H     |       |       |       |       |       |       |                |
| DLBM-2-2N   | 1/8            | 3.17  | 1/8      | 2.4      | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 15.77 | 22.38 | 16.51          |
| DLBM-4-2N   | 1/4            | 6.35  | 1/8      | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 17.27 | 24.63 | 16.51          |
| DLBM-4-4N   | 1/4            | 6.35  | 1/4      | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 17.27 | 24.63 | 21.08          |
| DLBM-6-2N   | 3/8            | 9.52  | 1/8      | 4.82     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 20.57 | 27.94 | 18.28          |
| DLBM-6-4N   | 3/8            | 9.52  | 1/4      | 7.11     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 20.57 | 27.94 | 22.86          |
| DLBM-6-6N   | 3/8            | 9.52  | 3/8      | 7.11     | 13/16                   | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 21.84 | 29.21 | 24.13          |
| DLBM-8-6N   | 1/2            | 12.70 | 3/8      | 9.65     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 21.84 | 32.00 | 24.13          |
| DLBM-8-8N   | 1/2            | 12.70 | 1/2      | 10.41    | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 21.84 | 32.00 | 28.95          |
| DLBM-12-12N | 3/4            | 19.05 | 3/4      | 15.74    | 1-1/8                   | 28.58 | 1-1/8 | 28.58 | 24.38 | 21.84 | 23.87 | 34.03 | 30.98          |
| DLBM-16-16N | 1              | 25.40 | 1        | 22.35    | 1-3/8                   | 34.93 | 1-1/2 | 38.10 | 31.24 | 26.41 | 28.19 | 40.38 | 37.84          |

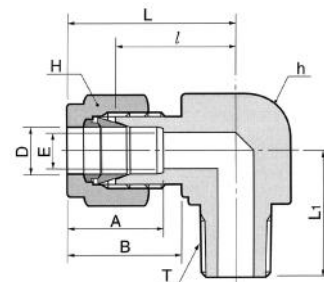
### Połączenie rury metrycznej z wewnętrznym gwintem NPT

### DLBM-...M-...N

| Kod         | Śr. zewn. rury |  | T<br>NPT | E<br>min | Odległość pow. płaskich |      | A    | B    | l    | L    | L <sub>1</sub> |
|-------------|----------------|--|----------|----------|-------------------------|------|------|------|------|------|----------------|
|             | D              |  |          |          | h                       | H    |      |      |      |      |                |
| DLBM-6M-4N  | 6              |  | 1/4      | 4.8      | 12.7                    | 14.0 | 15.3 | 17.7 | 21.8 | 29.4 | 22.9           |
| DLBM-12M-8N | 12             |  | 1/2      | 9.5      | 20.64                   | 22.0 | 22.8 | 22.0 | 21.8 | 31.9 | 29.0           |

## Złącze kolankowe z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DLM-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury stalowej z wewnętrznym gwintem NPT

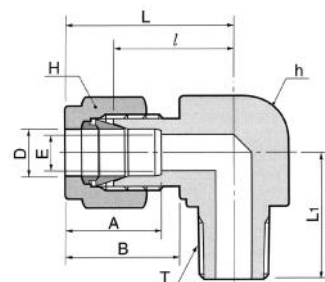
DLM-....-...N

| Kod        | Śr. zewn. rury |       | T<br>NPT | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | I     | L      | L <sub>1</sub> |
|------------|----------------|-------|----------|----------|-------------------------|-------|-------|-------|-------|-------|-------|--------|----------------|
|            | in             | mm    |          |          | h                       | mm    | H     | mm    |       |       |       |        |                |
| DLM-1-1N   | 1/16           | 1.59  | 1/16     | 1.27     | 7/16                    | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DLM-1-2N   | 1/16           | 1.59  | 1/8      | 1.27     | 7/16                    | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DLM-2-1N   | 1/8            | 3.17  | 1/16     | 2.28     | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 17.02 | 23.63  | 17.78          |
| DLM-2-2N   | 1/8            | 3.17  | 1/8      | 2.28     | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 18.90          |
| DLM-2-4N   | 1/8            | 3.17  | 1/4      | 2.28     | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 23.26          |
| DLM-3-2N   | 3/16           | 4.76  | 1/8      | 3.04     | 1/2                     | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40  | 18.79          |
| DLM-3-4N   | 3/16           | 4.76  | 1/4      | 3.04     | 1/2                     | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40  | 23.36          |
| DLM-4-1N   | 1/4            | 6.35  | 1/16     | 3.04     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.90  | 18.79          |
| DLM-4-2N   | 1/4            | 6.35  | 1/8      | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.47  | 18.79          |
| DLM-4-4N   | 1/4            | 6.35  | 1/4      | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.81 | 27.18  | 23.87          |
| DLM-4-6N   | 1/4            | 6.35  | 3/8      | 4.82     | 11/16                   | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71  | 26.20          |
| DLM-4-8N   | 1/4            | 6.35  | 1/2      | 4.82     | 13/16                   | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.60 | 31.97  | 33.02          |
| DLM-5-2N   | 5/16           | 7.93  | 1/8      | 4.82     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70  | 19.81          |
| DLM-5-4N   | 5/16           | 7.93  | 1/4      | 6.35     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 29.77  | 24.50          |
| DLM-5-6N   | 5/16           | 7.93  | 3/8      | 6.35     | 11/16                   | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48  | 26.20          |
| DLM-6-2N   | 3/8            | 9.52  | 1/8      | 4.82     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  | 20.60          |
| DLM-6-4N   | 3/8            | 9.52  | 1/4      | 7.11     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  | 25.40          |
| DLM-6-6N   | 3/8            | 9.52  | 3/8      | 7.11     | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24  | 26.20          |
| DLM-6-8N   | 3/8            | 9.52  | 1/2      | 7.11     | 13/16                   | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 31.42  | 33.02          |
| DLM-6-12N  | 3/8            | 9.52  | 3/4      | 7.11     | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 29.71 | 37.08  | 36.83          |
| DLM-8-4N   | 1/2            | 12.70 | 1/4      | 7.11     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DLM-8-6N   | 1/2            | 12.70 | 3/8      | 9.65     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DLM-8-8N   | 1/2            | 12.70 | 1/2      | 10.41    | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 33.02          |
| DLM-8-12N  | 1/2            | 12.70 | 3/4      | 10.41    | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.87  | 36.83          |
| DLM-10-6N  | 5/8            | 15.87 | 3/8      | 9.65     | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.00 | 37.06  | 30.22          |
| DLM-10-8N  | 5/8            | 15.87 | 1/2      | 11.93    | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.00 | 37.06  | 35.10          |
| DLM-10-12N | 5/8            | 15.87 | 3/4      | 12.70    | 1-1/16                  | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 29.71 | 39.87  | 36.83          |
| DLM-12-8N  | 3/4            | 19.05 | 1/2      | 11.93    | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 29.71 | 39.87  | 37.00          |
| DLM-12-12N | 3/4            | 19.05 | 3/4      | 15.74    | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 29.71 | 39.87  | 36.83          |
| DLM-14-12N | 7/8            | 22.22 | 3/4      | 15.74    | 1-3/8                   | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  | 41.65          |
| DLM-16-12N | 1              | 25.40 | 3/4      | 15.74    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 42.20          |
| DLM-16-16N | 1              | 25.40 | 1        | 22.35    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 46.70          |
| DLM-20-20N | 1-1/4          | 31.75 | 1-1/4    | 27.68    | 1-11/16                 | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  | 47.75          |
| DLM-24-24N | 1-1/2          | 38.10 | 1-1/2    | 33.90    | 2                       | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  | 60.45          |
| DLM-32-32N | 2              | 50.80 | 2        | 45.97    | 2-3/4                   | 69.85 | 3     | 76.20 | 62.73 | 63.73 | 69.80 | 107.18 | 70.61          |

# DLM-N

## Złącze kolankowe z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DLM-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury metrycznej z wewnętrznym gwintem NPT

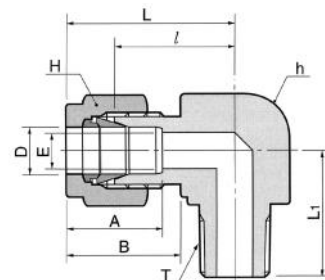
### DLM-...M-...N

| Kod         | Śr. zewn. rury |  | T<br>NPT | E<br>min | Odległość pow. płaskich |    | A    | B    | l    | L    | L <sub>1</sub> |
|-------------|----------------|--|----------|----------|-------------------------|----|------|------|------|------|----------------|
|             | D              |  |          |          | h                       | H  |      |      |      |      |                |
| DLM-3M-1N   | 3              |  | 1/16     | 2.4      | 11.1                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DLM-3M-2N   | 3              |  | 1/8      | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DLM-3M-4N   | 3              |  | 1/4      | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 18.0 | 24.6 | 23.4           |
| DLM-4M-2N   | 4              |  | 1/8      | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 18.8           |
| DLM-4M-4N   | 4              |  | 1/4      | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 23.4           |
| DLM-6M-2N   | 6              |  | 1/8      | 4.8      | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 18.8           |
| DLM-6M-4N   | 6              |  | 1/4      | 4.8      | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 23.4           |
| DLM-6M-6N   | 6              |  | 3/8      | 4.8      | 17.5                    | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 26.2           |
| DLM-6M-8N   | 6              |  | 1/2      | 4.8      | 20.6                    | 14 | 15.3 | 17.7 | 24.4 | 31.8 | 33.0           |
| DLM-8M-2N   | 8              |  | 1/8      | 4.8      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 19.8           |
| DLM-8M-4N   | 8              |  | 1/4      | 6.4      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 24.4           |
| DLM-8M-6N   | 8              |  | 3/8      | 6.4      | 17.5                    | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 26.2           |
| DLM-8M-8N   | 8              |  | 1/2      | 6.4      | 20.6                    | 16 | 16.2 | 18.6 | 25.1 | 32.6 | 33.0           |
| DLM-10M-2N  | 10             |  | 1/8      | 4.8      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 23.6           |
| DLM-10M-4N  | 10             |  | 1/4      | 7.1      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DLM-10M-6N  | 10             |  | 3/8      | 7.9      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DLM-10M-8N  | 10             |  | 1/2      | 7.9      | 20.6                    | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 33.0           |
| DLM-12M-4N  | 12             |  | 1/4      | 7.1      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DLM-12M-6N  | 12             |  | 3/8      | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DLM-12M-8N  | 12             |  | 1/2      | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 33.0           |
| DLM-12M-12N | 12             |  | 3/4      | 9.5      | 27.0                    | 22 | 22.8 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-15M-6N  | 15             |  | 3/8      | 9.5      | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DLM-15M-8N  | 15             |  | 1/2      | 11.9     | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DLM-16M-6N  | 16             |  | 3/8      | 9.5      | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DLM-16M-8N  | 16             |  | 1/2      | 11.9     | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DLM-16M-12N | 16             |  | 3/4      | 12.7     | 23.81                   | 25 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-18M-8N  | 18             |  | 1/2      | 11.9     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-18M-12N | 18             |  | 3/4      | 15.1     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-20M-8N  | 20             |  | 1/2      | 11.9     | 34.9                    | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-20M-12N | 20             |  | 3/4      | 15.9     | 34.9                    | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-22M-8N  | 22             |  | 1/2      | 11.9     | 34.9                    | 32 | 26.0 | 22.0 | 32.5 | 42.6 | 39.6           |
| DLM-22M-12N | 22             |  | 3/4      | 15.9     | 34.9                    | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-22M-16N | 22             |  | 1        | 18.3     | 34.9                    | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 46.5           |
| DLM-25M-12N | 25             |  | 3/4      | 15.9     | 34.9                    | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DLM-25M-16N | 25             |  | 1        | 21.8     | 34.9                    | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 46.5           |
| DLM-28M-16N | 28             |  | 1        | 21.8     | 41.0                    | 46 | 36.6 | 36.6 | 43.2 | 64.0 | 53.7           |
| DLM-30M-20N | 30             |  | 1-1/4    | 26.2     | 46.0                    | 50 | 39.6 | 39.2 | 48.3 | 69.9 | 53.1           |
| DLM-32M-20N | 32             |  | 1-1/4    | 27.8     | 46.0                    | 50 | 42.0 | 41.6 | 49.3 | 72.3 | 53.1           |
| DLM-38M-24N | 38             |  | 1-1/4    | 33.7     | 50.8                    | 60 | 49.4 | 47.9 | 56.4 | 84.0 | 60.4           |



## Złącze kolankowe z gwintem zewnętrznym R (BSPT)

Wartości ciśnień dla złączki DLM-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rury stalowej z wewnętrznym gwintem stożkowym ISO

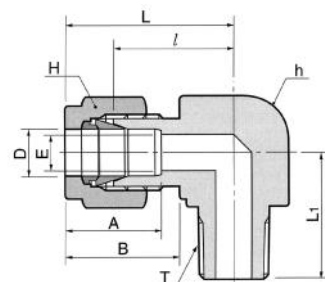
DLM-....-...R

| Kod        | Śr. zewn. rury |       | T<br>R (BSPT) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | L     | L <sub>1</sub> |
|------------|----------------|-------|---------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|            | D              |       |               |          | h                       |       | H     |       |       |       |       |       |                |
|            | in             | mm    |               |          | in                      | mm    | in    | mm    |       |       |       |       |                |
| DLM-2-2R   | 1/8            | 3.17  | 1/8           | 2.28     | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91 | 18.90          |
| DLM-2-4R   | 1/8            | 3.17  | 1/4           | 2.28     | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91 | 23.26          |
| DLM-3-4R   | 3/16           | 4.76  | 1/4           | 3.04     | 1/2                     | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40 | 23.36          |
| DLM-4-2R   | 1/4            | 6.35  | 1/8           | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.47 | 18.79          |
| DLM-4-4R   | 1/4            | 6.35  | 1/4           | 4.82     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.81 | 27.18 | 23.87          |
| DLM-4-6R   | 1/4            | 6.35  | 3/8           | 4.82     | 11/16                   | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71 | 26.20          |
| DLM-4-8R   | 1/4            | 6.35  | 1/2           | 4.82     | 13/16                   | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.60 | 31.97 | 33.02          |
| DLM-5-4R   | 5/16           | 7.93  | 1/4           | 6.35     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 29.77 | 24.50          |
| DLM-5-6R   | 5/16           | 7.93  | 3/8           | 6.35     | 11/16                   | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48 | 26.20          |
| DLM-6-2R   | 3/8            | 9.52  | 1/8           | 4.82     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 20.60          |
| DLM-6-4R   | 3/8            | 9.52  | 1/4           | 7.11     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 25.40          |
| DLM-6-6R   | 3/8            | 9.52  | 3/8           | 7.11     | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24 | 26.20          |
| DLM-6-8R   | 3/8            | 9.52  | 1/2           | 7.11     | 13/16                   | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 31.42 | 33.02          |
| DLM-6-12R  | 3/8            | 9.52  | 3/4           | 7.11     | 1-1/16                  | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 29.71 | 37.08 | 36.83          |
| DLM-8-4R   | 1/2            | 12.70 | 1/4           | 7.11     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30          |
| DLM-8-6R   | 1/2            | 12.70 | 3/8           | 9.65     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30          |
| DLM-8-8R   | 1/2            | 12.70 | 1/2           | 10.41    | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 33.02          |
| DLM-8-12R  | 1/2            | 12.70 | 3/4           | 10.41    | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.87 | 36.83          |
| DLM-10-6R  | 5/8            | 15.87 | 3/8           | 9.65     | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.00 | 37.06 | 30.22          |
| DLM-10-8R  | 5/8            | 15.87 | 1/2           | 11.93    | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 28.00 | 37.06 | 35.10          |
| DLM-10-12R | 5/8            | 15.87 | 3/4           | 12.70    | 1-1/16                  | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 29.71 | 39.87 | 36.83          |
| DLM-12-8R  | 3/4            | 19.05 | 1/2           | 11.93    | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 29.71 | 39.87 | 37.00          |
| DLM-12-12R | 3/4            | 19.05 | 3/4           | 15.74    | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 29.71 | 39.87 | 36.83          |
| DLM-12-16R | 3/4            | 19.05 | 1             | 16.0     | 1-3/8                   | 34.92 | 1-1/8 | 28.57 | 24.38 | 21.84 | 34.54 | 44.59 | 46.48          |
| DLM-16-12R | 1              | 25.40 | 3/4           | 15.74    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02 | 42.20          |
| DLM-16-16R | 1              | 25.40 | 1             | 22.35    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02 | 46.70          |
| DLM-20-12R | 1-1/4          | 31.75 | 3/4           | 15.74    | 1-11/16                 | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54 | 42.95          |
| DLM-20-20R | 1-1/4          | 31.75 | 1-1/4         | 27.68    | 1-11/16                 | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54 | 47.75          |

# DLM-R

## Złącze kolankowe z gwintem zewnętrznym R (BSPT)

Wartości ciśnień dla złączki DLM-R  
znajdują się w tabeli nr 19 na stronie 12



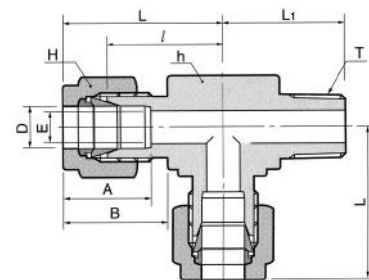
### Połączenie rury metrycznej z wewnętrznym gwintem stożkowym ISO

### DLM-...M-...R

| Kod         | Śr. zewn. rury |               | E<br>min | Odległość pow. płaskich |    | A    | B    | l    | L    | L <sub>1</sub> |
|-------------|----------------|---------------|----------|-------------------------|----|------|------|------|------|----------------|
|             | D              | T<br>R (BSPT) |          | h                       | H  |      |      |      |      |                |
| DLM-3M-1R   | 3              | 1/16          | 2.4      | 11.1                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DLM-3M-2R   | 3              | 1/8           | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DLM-3M-4R   | 3              | 1/4           | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 18.0 | 24.6 | 23.4           |
| DLM-4M-2R   | 4              | 1/8           | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 18.8           |
| DLM-4M-4R   | 4              | 1/4           | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 23.4           |
| DLM-6M-2R   | 6              | 1/8           | 4.8      | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 18.8           |
| DLM-6M-4R   | 6              | 1/4           | 4.8      | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 23.4           |
| DLM-6M-6R   | 6              | 3/8           | 4.8      | 17.5                    | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 26.2           |
| DLM-6M-8R   | 6              | 1/2           | 4.8      | 20.6                    | 14 | 15.3 | 17.7 | 24.4 | 31.8 | 33.0           |
| DLM-8M-2R   | 8              | 1/8           | 4.8      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 19.8           |
| DLM-8M-4R   | 8              | 1/4           | 6.4      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 24.4           |
| DLM-8M-6R   | 8              | 3/8           | 6.4      | 17.5                    | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 26.2           |
| DLM-8M-8R   | 8              | 1/2           | 6.4      | 20.6                    | 16 | 16.2 | 18.6 | 25.1 | 32.6 | 33.0           |
| DLM-10M-2R  | 10             | 1/8           | 4.8      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 23.6           |
| DLM-10M-4R  | 10             | 1/4           | 7.1      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DLM-10M-6R  | 10             | 3/8           | 7.9      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DLM-10M-8R  | 10             | 1/2           | 7.9      | 20.6                    | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 33.0           |
| DLM-12M-2R  | 12             | 1/8           | 4.8      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 23.6           |
| DLM-12M-4R  | 12             | 1/4           | 7.1      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DLM-12M-6R  | 12             | 3/8           | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DLM-12M-8R  | 12             | 1/2           | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 33.0           |
| DLM-12M-12R | 12             | 3/4           | 9.5      | 27.0                    | 22 | 22.8 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-14M-8R  | 14             | 1/2           | 11.1     | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DLM-15M-6R  | 15             | 3/8           | 9.5      | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DLM-15M-8R  | 15             | 1/2           | 11.9     | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DLM-16M-6R  | 16             | 3/8           | 9.5      | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DLM-16M-8R  | 16             | 1/2           | 11.9     | 23.81                   | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DLM-18M-8R  | 18             | 1/2           | 11.9     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-18M-12R | 18             | 3/4           | 15.1     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DLM-20M-8R  | 20             | 1/2           | 11.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-20M-12R | 20             | 3/4           | 15.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-22M-8R  | 22             | 1/2           | 11.9     | 34.92                   | 32 | 26.0 | 22.0 | 32.5 | 42.6 | 39.6           |
| DLM-22M-12R | 22             | 3/4           | 15.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DLM-22M-16R | 22             | 1             | 18.3     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 46.5           |
| DLM-25M-8R  | 25             | 1/2           | 11.9     | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DLM-25M-12R | 25             | 3/4           | 15.9     | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DLM-25M-16R | 25             | 1             | 21.8     | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 46.5           |
| DLM-28M-16R | 28             | 1             | 21.8     | 41.0                    | 46 | 36.6 | 36.6 | 43.2 | 64.0 | 53.7           |

## Złącze typu TL z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DTRM-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rur stalowych z wewnętrznym gwintem NPT

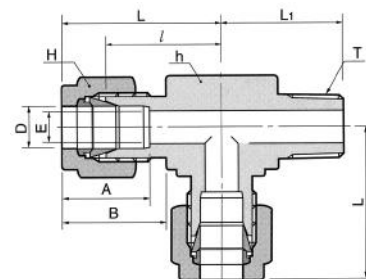
### DTRM-....-...N

| Kod         | Śr. zewn. rury |       | T<br>NPT | E<br>min | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L      | L <sub>1</sub> |
|-------------|----------------|-------|----------|----------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|----------------|
|             | in             | mm    |          |          | h                              | mm    | H     | mm    |       |       |       |        |                |
| DTRM-1-1N   | 1/16           | 1.59  | 1/16     | 1.27     | 7/16                           | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DTRM-1-2N   | 1/16           | 1.59  | 1/8      | 1.27     | 7/16                           | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DTRM-2-2N   | 1/8            | 3.17  | 1/8      | 2.28     | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 18.90          |
| DTRM-2-4N   | 1/8            | 3.17  | 1/4      | 2.28     | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 23.36          |
| DTRM-3-2N   | 3/16           | 4.76  | 1/8      | 3.04     | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 24.38  | 18.79          |
| DTRM-3-4N   | 3/16           | 4.76  | 1/4      | 3.04     | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40  | 23.36          |
| DTRM-4-1N   | 1/4            | 6.35  | 1/16     | 3.04     | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.90  | 18.79          |
| DTRM-4-2N   | 1/4            | 6.35  | 1/8      | 4.82     | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92  | 18.79          |
| DTRM-4-4N   | 1/4            | 6.35  | 1/4      | 4.82     | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 27.08  | 23.87          |
| DTRM-4-6N   | 1/4            | 6.35  | 3/8      | 4.82     | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71  | 28.40          |
| DTRM-4-8N   | 1/4            | 6.35  | 1/2      | 4.82     | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.60 | 31.97  | 35.10          |
| DTRM-5-2N   | 5/16           | 7.93  | 1/8      | 4.82     | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 22.35 | 29.71  | 19.81          |
| DTRM-5-4N   | 5/16           | 7.94  | 1/4      | 6.35     | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 22.35 | 29.77  | 24.50          |
| DTRM-5-6N   | 5/16           | 7.94  | 3/8      | 6.35     | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48  | 28.40          |
| DTRM-6-4N   | 3/8            | 9.52  | 1/4      | 7.11     | 5/8                            | 15.87 | 1/16  | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  | 25.40          |
| DTRM-6-6N   | 3/8            | 9.52  | 3/8      | 7.11     | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24  | 28.44          |
| DTRM-6-8N   | 3/8            | 9.52  | 1/2      | 7.11     | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 33.27  | 33.02          |
| DTRM-6-12N  | 3/8            | 9.52  | 3/4      | 7.11     | 1-1/16                         | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 29.71 | 37.08  | 36.83          |
| DTRM-8-4N   | 1/2            | 12.70 | 1/4      | 7.11     | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DTRM-8-6N   | 1/2            | 12.70 | 3/8      | 9.65     | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DTRM-8-8N   | 1/2            | 12.70 | 1/2      | 10.41    | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 33.02          |
| DTRM-8-12N  | 1/2            | 12.70 | 3/4      | 10.41    | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.84  | 36.83          |
| DTRM-10-6N  | 5/8            | 15.87 | 3/8      | 9.65     | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.90 | 38.10  | 29.40          |
| DTRM-10-8N  | 5/8            | 15.87 | 1/2      | 11.93    | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.90 | 38.10  | 34.00          |
| DTRM-10-12N | 5/8            | 15.87 | 3/4      | 12.70    | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 29.71 | 39.87  | 36.83          |
| DTRM-12-8N  | 3/4            | 19.05 | 1/2      | 11.93    | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  | 37.00          |
| DTRM-12-12N | 3/4            | 19.05 | 3/4      | 15.74    | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.81  | 36.83          |
| DTRM-14-12N | 7/8            | 22.23 | 3/4      | 15.74    | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  | 41.65          |
| DTRM-16-12N | 1              | 25.40 | 3/4      | 15.74    | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 42.20          |
| DTRM-16-16N | 1              | 25.40 | 1        | 22.35    | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 46.70          |
| DTRM-20-20N | 1-1/4          | 31.75 | 1-1/4    | 27.68    | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  | 47.75          |
| DTRM-24-24N | 1-1/2          | 38.10 | 1-1/2    | 33.90    | 2                              | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  | 60.45          |
| DTRM-32-32N | 2              | 50.80 | 2        | 45.97    | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 69.80 | 107.18 | 70.61          |

# DTRM-R

## Złącze typu TL z gwintem zewnętrznym R (BSPT)

Wartości ciśnień dla złączki DTRM-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rur stalowych z wewnętrznym gwintem stożkowym ISO

**DTRM-...-...R**

| Kod        | Śr. zewn. rury |       | T<br>R (BSPT) | E<br>min | Odległość powierzchni płaskich |       |      |       | A     | B     | I     | L     | L <sub>1</sub> |
|------------|----------------|-------|---------------|----------|--------------------------------|-------|------|-------|-------|-------|-------|-------|----------------|
|            | D              |       |               |          | h                              |       | H    |       |       |       |       |       |                |
|            | in             | mm    |               |          | in                             | mm    | in   | mm    |       |       |       |       |                |
| DTRM-6-4R  | 3/8            | 9.52  | 1/4           | 7.11     | 5/8                            | 15.87 | 1/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 25.40          |
| DTRM-8-6R  | 1/2            | 12.70 | 3/8           | 9.65     | 13/16                          | 20.64 | 7/8  | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30          |
| DTRM-8-8R  | 1/2            | 12.70 | 1/2           | 10.41    | 13/16                          | 20.64 | 7/8  | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 33.02          |
| DTRM-10-8R | 5/8            | 15.87 | 1/2           | 11.93    | 15/16                          | 23.81 | 1    | 25.40 | 24.38 | 21.84 | 27.90 | 38.10 | 34.00          |

### Połączenie rur metrycznych z wewnętrznym gwintem stożkowym ISO

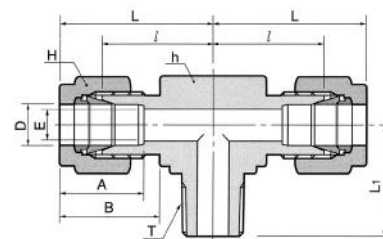
**DTRM-...M-...R**

| Kod          | Śr. zew. rury |          |      | Odległość pow. płaskich |    |      |      |      |      |                |
|--------------|---------------|----------|------|-------------------------|----|------|------|------|------|----------------|
|              | D             | T        | E    | h                       | H  | A    | B    | /    | L    | L <sub>1</sub> |
|              |               | R (BSPT) | min  |                         |    |      |      |      |      |                |
| DTRM-3M-2R   | 3             | 1/8      | 2.4  | 12.7                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DTRM-3M-4R   | 3             | 1/4      | 2.4  | 12.7                    | 12 | 12.9 | 15.3 | 18.0 | 24.6 | 23.4           |
| DTRM-4M-2R   | 4             | 1/8      | 2.4  | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 18.8           |
| DTRM-4M-4R   | 4             | 1/4      | 2.4  | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 23.4           |
| DTRM-6M-2R   | 6             | 1/8      | 4.8  | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 18.8           |
| DTRM-6M-4R   | 6             | 1/4      | 4.8  | 14.2                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 23.4           |
| DTRM-6M-6R   | 6             | 3/8      | 4.8  | 17.5                    | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 26.2           |
| DTRM-6M-8R   | 6             | 1/2      | 4.8  | 20.6                    | 14 | 15.3 | 17.7 | 24.4 | 31.8 | 33.0           |
| DTRM-8M-2R   | 8             | 1/8      | 4.8  | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 19.8           |
| DTRM-8M-4R   | 8             | 1/4      | 6.4  | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 24.4           |
| DTRM-8M-6R   | 8             | 3/8      | 6.4  | 17.5                    | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 26.2           |
| DTRM-8M-8R   | 8             | 1/2      | 6.4  | 20.6                    | 16 | 16.2 | 18.6 | 25.1 | 32.6 | 33.0           |
| DTRM-10M-2R  | 10            | 1/8      | 4.8  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 23.6           |
| DTRM-10M-4R  | 10            | 1/4      | 7.1  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTRM-10M-6R  | 10            | 3/8      | 7.9  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTRM-10M-8R  | 10            | 1/2      | 7.9  | 20.6                    | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 33.0           |
| DTRM-12M-2R  | 12            | 1/8      | 4.8  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 23.6           |
| DTRM-12M-4R  | 12            | 1/4      | 7.1  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTRM-12M-6R  | 12            | 3/8      | 9.5  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTRM-12M-8R  | 12            | 1/2      | 9.5  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 33.0           |
| DTRM-12M-12R | 12            | 3/4      | 9.5  | 27.0                    | 22 | 22.8 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTRM-16M-6R  | 16            | 3/8      | 9.5  | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DTRM-16M-8R  | 16            | 1/2      | 11.9 | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DTRM-16M-12R | 16            | 3/4      | 12.7 | 27.0                    | 25 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTRM-18M-8R  | 18            | 1/2      | 11.9 | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTRM-18M-12R | 18            | 3/4      | 15.1 | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTRM-20M-8R  | 20            | 1/2      | 11.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTRM-20M-12R | 20            | 3/4      | 15.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTRM-22M-12R | 22            | 3/4      | 15.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTRM-22M-16R | 22            | 1        | 18.3 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 46.5           |
| DTRM-25M-12R | 25            | 3/4      | 15.9 | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DTRM-25M-16R | 25            | 1        | 21.8 | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 46.5           |

# DTBM-N,-R

## Złącze typu T z gwintem zewnętrznym

Wartości ciśnień dla złączki DTBM-N,-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rur stalowych z wewnętrznym gwintem NPT

DTBM-....-...N

| Kod         | Śr. zewn. rury |       | T     | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L      | L <sub>1</sub> |
|-------------|----------------|-------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|----------------|
|             | D              |       |       |       | h                              |       | H     |       |       |       |       |        |                |
|             | in             | mm    |       |       | NPT                            | min   | in    | mm    |       |       |       |        |                |
| DTBM-1-1N   | 1/16           | 1.59  | 1/16  | 1.27  | 7/16                           | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DTBM-1-2N   | 1/16           | 1.59  | 1/8   | 1.27  | 7/16                           | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 15.24 | 19.05  | 17.78          |
| DTBM-2-2N   | 1/8            | 3.17  | 1/8   | 2.28  | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 18.90          |
| DTBM-2-4N   | 1/8            | 3.17  | 1/4   | 2.28  | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.30 | 24.91  | 23.36          |
| DTBM-3-2N   | 3/16           | 4.76  | 1/8   | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 24.38  | 18.79          |
| DTBM-3-4N   | 3/16           | 4.76  | 1/4   | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40  | 23.36          |
| DTBM-4-1N   | 1/4            | 6.35  | 1/16  | 3.04  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.90  | 18.79          |
| DTBM-4-2N   | 1/4            | 6.35  | 1/8   | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92  | 19.10          |
| DTBM-4-4N   | 1/4            | 6.35  | 1/4   | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 27.08  | 23.87          |
| DTBM-4-6N   | 1/4            | 6.35  | 3/8   | 4.82  | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71  | 28.40          |
| DTBM-4-8N   | 1/4            | 6.35  | 1/2   | 4.82  | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.60 | 31.97  | 35.10          |
| DTBM-5-2N   | 5/16           | 7.93  | 1/8   | 4.82  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 22.35 | 29.71  | 19.81          |
| DTBM-5-4N   | 5/16           | 7.93  | 1/4   | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 22.35 | 29.77  | 24.50          |
| DTBM-5-6N   | 5/16           | 7.93  | 3/8   | 6.35  | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48  | 28.40          |
| DTBM-6-4N   | 3/8            | 9.52  | 1/4   | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48  | 25.40          |
| DTBM-6-6N   | 3/8            | 9.52  | 3/8   | 7.11  | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24  | 28.44          |
| DTBM-6-8N   | 3/8            | 9.52  | 1/2   | 7.11  | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 33.27  | 33.02          |
| DTBM-6-12N  | 3/8            | 9.52  | 3/4   | 7.11  | 1-1/16                         | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 29.71 | 37.08  | 36.83          |
| DTBM-8-4N   | 1/2            | 12.70 | 1/4   | 7.11  | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DTBM-8-6N   | 1/2            | 12.70 | 3/8   | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 28.30          |
| DTBM-8-8N   | 1/2            | 12.70 | 1/2   | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06  | 33.02          |
| DTBM-8-12N  | 1/2            | 12.70 | 3/4   | 10.41 | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.87  | 36.83          |
| DTBM-10-6N  | 5/8            | 15.87 | 3/8   | 9.65  | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.90 | 38.10  | 29.40          |
| DTBM-10-8N  | 5/8            | 15.87 | 1/2   | 11.93 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.90 | 38.10  | 34.00          |
| DTBM-10-12N | 5/8            | 15.87 | 3/4   | 12.70 | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 29.71 | 39.87  | 36.83          |
| DTBM-12-8N  | 3/4            | 19.05 | 1/2   | 11.93 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  | 37.00          |
| DTBM-12-12N | 3/4            | 19.05 | 3/4   | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87  | 36.83          |
| DTBM-14-12N | 7/8            | 22.22 | 3/4   | 15.74 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70  | 41.65          |
| DTBM-16-12N | 1              | 25.40 | 3/4   | 15.74 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 42.20          |
| DTBM-16-16N | 1              | 25.40 | 1     | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02  | 46.70          |
| DTBM-20-20N | 1-1/4          | 31.75 | 1-1/4 | 27.68 | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 41.14 | 38.86 | 44.50 | 66.54  | 47.75          |
| DTBM-24-24N | 1-1/2          | 38.10 | 1-1/2 | 33.90 | 2                              | 50.80 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.80 | 77.97  | 60.45          |
| DTBM-32-32N | 2              | 50.80 | 2     | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 69.80 | 107.18 | 70.61          |

### Połączenie rur stalowych z wewnętrznym gwintem stożkowym ISO

DTBM-....-...R

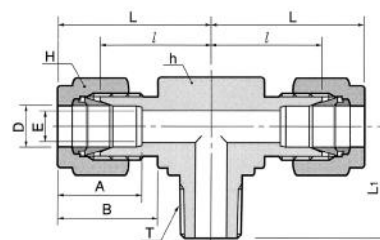
| Kod        | Śr. zewn. rury |       | T   | E     | Odległość powierzchni płaskich |       |      |       | A     | B     | l     | L     | L <sub>1</sub> |
|------------|----------------|-------|-----|-------|--------------------------------|-------|------|-------|-------|-------|-------|-------|----------------|
|            | D              |       |     |       | h                              |       | H    |       |       |       |       |       |                |
|            | in             | mm    |     |       | in                             | mm    | in   | mm    |       |       |       |       |                |
| DTBM-6-4R  | 3/8            | 9.52  | 1/4 | 7.11  | 5/8                            | 15.87 | 1/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 25.40          |
| DTBM-8-6R  | 1/2            | 12.70 | 3/8 | 9.65  | 13/16                          | 20.64 | 7/8  | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30          |
| DTBM-8-8R  | 1/2            | 12.70 | 1/2 | 10.41 | 13/16                          | 20.64 | 7/8  | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 33.02          |
| DTBM-10-8R | 5/8            | 15.87 | 1/2 | 11.93 | 15/16                          | 23.81 | 1    | 25.40 | 24.38 | 21.84 | 27.90 | 38.10 | 34.00          |



# DTBM-N

## Złącze typu T z gwintem zewnętrznym

Wartości ciśnień dla złączki DTBM-N  
znajdują się w tabeli nr 19 na stronie 12



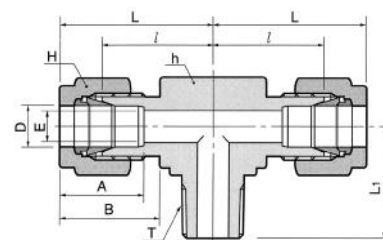
### Połączenie rur metrycznych z wewnętrznym gwintem NPT

### DTBM-...M-...N

| Kod          | Śr. zewn. rury |  | T   | E    | Odległość pow. płaskich |    | A    | B    | l    | L    | L <sub>1</sub> |
|--------------|----------------|--|-----|------|-------------------------|----|------|------|------|------|----------------|
|              | D              |  |     |      | h                       | H  |      |      |      |      |                |
| DTBM-3M-2N   | 3              |  | 1/8 | 2.4  | 12.7                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DTBM-3M-4N   | 3              |  | 1/4 | 2.4  | 12.7                    | 12 | 12.9 | 15.3 | 18.0 | 24.6 | 23.4           |
| DTBM-4M-2N   | 4              |  | 1/8 | 2.4  | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 18.8           |
| DTBM-4M-4N   | 4              |  | 1/4 | 2.4  | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 23.4           |
| DTBM-6M-2N   | 6              |  | 1/8 | 4.8  | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 18.8           |
| DTBM-6M-4N   | 6              |  | 1/4 | 4.8  | 14.2                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 23.4           |
| DTBM-6M-6N   | 6              |  | 3/8 | 4.8  | 17.5                    | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 26.2           |
| DTBM-6M-8N   | 6              |  | 1/2 | 4.8  | 20.6                    | 14 | 15.3 | 17.7 | 24.4 | 31.8 | 33.0           |
| DTBM-8M-2N   | 8              |  | 1/8 | 4.8  | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 19.8           |
| DTBM-8M-4N   | 8              |  | 1/4 | 6.4  | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 24.4           |
| DTBM-8M-6N   | 8              |  | 3/8 | 6.4  | 17.5                    | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 26.2           |
| DTBM-8M-8N   | 8              |  | 1/2 | 6.4  | 20.6                    | 16 | 16.2 | 18.6 | 25.1 | 32.6 | 33.0           |
| DTBM-10M-2N  | 10             |  | 1/8 | 4.8  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 23.6           |
| DTBM-10M-4N  | 10             |  | 1/4 | 7.1  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTBM-10M-6N  | 10             |  | 3/8 | 7.9  | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTBM-10M-8N  | 10             |  | 1/2 | 7.9  | 20.6                    | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 33.0           |
| DTBM-12M-2N  | 12             |  | 1/8 | 4.8  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 23.6           |
| DTBM-12M-4N  | 12             |  | 1/4 | 7.1  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTBM-12M-6N  | 12             |  | 3/8 | 9.5  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTBM-12M-8N  | 12             |  | 1/2 | 9.5  | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 33.0           |
| DTBM-12M-12N | 12             |  | 3/4 | 9.5  | 27.0                    | 22 | 22.8 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-16M-6N  | 16             |  | 3/8 | 9.5  | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DTBM-16M-8N  | 16             |  | 1/2 | 11.9 | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DTBM-16M-12N | 16             |  | 3/4 | 12.7 | 27.0                    | 25 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-18M-8N  | 18             |  | 1/2 | 11.9 | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-18M-12N | 18             |  | 3/4 | 15.1 | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-20M-8N  | 20             |  | 1/2 | 11.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-20M-12N | 20             |  | 3/4 | 15.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-22M-12N | 22             |  | 3/4 | 15.9 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-22M-16N | 22             |  | 1   | 18.3 | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 46.5           |
| DTBM-25M-12N | 25             |  | 3/4 | 15.9 | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DTBM-25M-16N | 25             |  | 1   | 21.8 | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 46.5           |

## Złącze typu T z gwintem zewnętrznym

Wartości ciśnień dla złączki DTBM-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie rur metrycznych z wewnętrznym gwintem stożkowym ISO

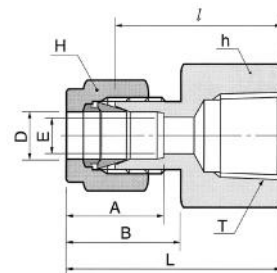
DTBM-...M-...R

| Kod          | Śr. zewn. rury |               |          | Odległość pow. płaskich |    | A    | B    | l    | L    | L <sub>1</sub> |
|--------------|----------------|---------------|----------|-------------------------|----|------|------|------|------|----------------|
|              | D              | T<br>R (BSPT) | E<br>min | h                       | H  |      |      |      |      |                |
| DTBM-3M-2R   | 3              | 1/8           | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 17.0 | 23.6 | 17.8           |
| DTBM-3M-4R   | 3              | 1/4           | 2.4      | 12.7                    | 12 | 12.9 | 15.3 | 18.0 | 24.6 | 23.4           |
| DTBM-4M-2R   | 4              | 1/8           | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 18.8           |
| DTBM-4M-4R   | 4              | 1/4           | 2.4      | 12.7                    | 12 | 13.7 | 16.1 | 18.8 | 25.4 | 23.4           |
| DTBM-6M-2R   | 6              | 1/8           | 4.8      | 12.7                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 18.8           |
| DTBM-6M-4R   | 6              | 1/4           | 4.8      | 14.2                    | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 23.4           |
| DTBM-6M-6R   | 6              | 3/8           | 4.8      | 17.5                    | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 26.2           |
| DTBM-6M-8R   | 6              | 1/2           | 4.8      | 20.6                    | 14 | 15.3 | 17.7 | 24.4 | 31.8 | 33.0           |
| DTBM-8M-2R   | 8              | 1/8           | 4.8      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 19.8           |
| DTBM-8M-4R   | 8              | 1/4           | 6.4      | 14.3                    | 16 | 16.2 | 18.6 | 21.3 | 28.8 | 24.4           |
| DTBM-8M-6R   | 8              | 3/8           | 6.4      | 17.5                    | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 26.2           |
| DTBM-8M-8R   | 8              | 1/2           | 6.4      | 20.6                    | 16 | 16.2 | 18.6 | 25.1 | 32.6 | 33.0           |
| DTBM-10M-2R  | 10             | 1/8           | 4.8      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 23.6           |
| DTBM-10M-4R  | 10             | 1/4           | 7.1      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTBM-10M-6R  | 10             | 3/8           | 7.9      | 17.5                    | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 26.2           |
| DTBM-10M-8R  | 10             | 1/2           | 7.9      | 20.6                    | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 33.0           |
| DTBM-12M-2R  | 12             | 1/8           | 4.8      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 23.6           |
| DTBM-12M-4R  | 12             | 1/4           | 7.1      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTBM-12M-6R  | 12             | 3/8           | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 28.2           |
| DTBM-12M-8R  | 12             | 1/2           | 9.5      | 20.6                    | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 33.0           |
| DTBM-12M-12R | 12             | 3/4           | 9.5      | 27.0                    | 22 | 22.8 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-16M-6R  | 16             | 3/8           | 9.5      | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 30.2           |
| DTBM-16M-8R  | 16             | 1/2           | 11.9     | 25.4                    | 25 | 24.4 | 22.0 | 27.9 | 38.0 | 35.1           |
| DTBM-16M-12R | 16             | 3/4           | 12.7     | 27.0                    | 25 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-18M-8R  | 18             | 1/2           | 11.9     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-18M-12R | 18             | 3/4           | 15.1     | 27.0                    | 30 | 24.4 | 22.0 | 29.7 | 39.8 | 36.8           |
| DTBM-20M-8R  | 20             | 1/2           | 11.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-20M-12R | 20             | 3/4           | 15.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-22M-12R | 22             | 3/4           | 15.9     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 41.7           |
| DTBM-22M-16R | 22             | 1             | 18.3     | 34.92                   | 32 | 26.0 | 22.0 | 34.5 | 44.6 | 46.5           |
| DTBM-25M-12R | 25             | 3/4           | 15.9     | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 41.7           |
| DTBM-25M-16R | 25             | 1             | 21.8     | 34.92                   | 38 | 31.3 | 26.5 | 36.8 | 49.1 | 46.5           |

## DCF-N

## Złącze proste z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DCF-N  
znajdują się w tabeli nr 21 na stronie 13



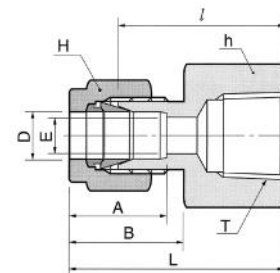
## Połączenie rury stalowej z zewnętrznym gwintem NPT

DCF-...-...N

| Kod        | Śr. zewn. rury |       | T     | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L      |
|------------|----------------|-------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------|
|            | D              |       |       |       | h                              |       | H     |       |       |       |       |        |
|            | in             | mm    |       |       | NPT                            | min   | in    | mm    |       |       |       |        |
| DCF-1-1N   | 1/16           | 1.59  | 1/16  | 1.27  | 7/16                           | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 19.81 | 23.62  |
| DCF-1-2N   | 1/16           | 1.59  | 1/8   | 1.27  | 9/16                           | 14.28 | 5/16  | 7.93  | 8.63  | 10.92 | 20.57 | 24.38  |
| DCF-2-2N   | 1/8            | 3.17  | 1/8   | 2.28  | 9/16                           | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 22.09 | 28.70  |
| DCF-2-4N   | 1/8            | 3.17  | 1/4   | 2.28  | 3/4                            | 19.05 | 7/16  | 11.11 | 12.70 | 15.24 | 26.92 | 33.52  |
| DCF-3-2N   | 3/16           | 4.76  | 1/8   | 3.04  | 9/16                           | 14.28 | 1/2   | 12.70 | 13.71 | 16.00 | 23.11 | 29.71  |
| DCF-4-2N   | 1/4            | 6.35  | 1/8   | 4.82  | 9/16                           | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 23.87 | 31.24  |
| DCF-4-4N   | 1/4            | 6.35  | 1/4   | 4.82  | 3/4                            | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 28.44 | 35.81  |
| DCF-4-6N   | 1/4            | 6.35  | 3/8   | 4.82  | 7/8                            | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 37.59  |
| DCF-4-8N   | 1/4            | 6.35  | 1/2   | 4.82  | 1-1/16                         | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 35.05 | 42.41  |
| DCF-5-2N   | 5/16           | 7.93  | 1/8   | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 24.63 | 32.00  |
| DCF-5-4N   | 5/16           | 7.93  | 1/4   | 6.35  | 3/4                            | 19.05 | 5/8   | 15.87 | 16.25 | 18.54 | 29.46 | 36.83  |
| DCF-6-2N   | 3/8            | 9.52  | 1/8   | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 25.40 | 32.76  |
| DCF-6-4N   | 3/8            | 9.52  | 1/4   | 7.11  | 3/4                            | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 30.22 | 37.59  |
| DCF-6-6N   | 3/8            | 9.52  | 3/8   | 7.11  | 7/8                            | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 39.11  |
| DCF-6-8N   | 3/8            | 9.52  | 1/2   | 7.11  | 1-1/16                         | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 36.57 | 43.94  |
| DCF-6-12N  | 3/8            | 9.52  | 3/4   | 7.11  | 1-5/16                         | 33.33 | 11/16 | 17.46 | 16.76 | 19.30 | 40.38 | 47.75  |
| DCF-8-4N   | 1/2            | 12.70 | 1/4   | 10.41 | 1-3/16                         | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 30.22 | 40.38  |
| DCF-8-6N   | 1/2            | 12.70 | 3/8   | 10.41 | 7/8                            | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 31.75 | 41.91  |
| DCF-8-8N   | 1/2            | 12.70 | 1/2   | 10.41 | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 36.57 | 46.73  |
| DCF-8-12N  | 1/2            | 12.70 | 3/4   | 10.41 | 1-5/16                         | 33.33 | 7/8   | 22.22 | 22.86 | 21.84 | 38.10 | 48.26  |
| DCF-10-6N  | 5/8            | 15.87 | 3/8   | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 31.75 | 41.91  |
| DCF-10-8N  | 5/8            | 15.87 | 1/2   | 12.70 | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 36.57 | 46.73  |
| DCF-10-12N | 5/8            | 15.87 | 3/4   | 12.70 | 1-5/16                         | 33.33 | 1     | 25.40 | 24.38 | 21.84 | 38.10 | 48.26  |
| DCF-12-8N  | 3/4            | 19.05 | 1/2   | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 36.57 | 46.73  |
| DCF-12-12N | 3/4            | 19.05 | 3/4   | 15.74 | 1-5/16                         | 33.33 | 1-1/8 | 28.58 | 24.38 | 21.84 | 38.10 | 48.26  |
| DCF-14-12N | 7/8            | 22.22 | 3/4   | 18.28 | 1-5/16                         | 33.33 | 1-1/4 | 31.75 | 25.90 | 21.84 | 39.62 | 49.78  |
| DCF-16-12N | 1              | 25.40 | 3/4   | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 41.14 | 53.34  |
| DCF-16-16N | 1              | 25.40 | 1     | 22.35 | 1-5/8                          | 41.27 | 1-1/2 | 38.10 | 31.24 | 26.41 | 50.03 | 62.23  |
| DCF-20-20N | 1-1/4          | 31.75 | 1-1/4 | 27.68 | 2-1/8                          | 53.98 | 1-7/8 | 47.63 | 41.14 | 38.86 | 52.57 | 74.67  |
| DCF-24-24N | 1-1/2          | 38.10 | 1-1/2 | 33.90 | 2-3/8                          | 60.33 | 2-1/4 | 57.15 | 50.03 | 45.21 | 56.13 | 83.31  |
| DCF-32-32N | 2              | 50.80 | 2     | 45.97 | 2-1/8                          | 73.03 | 3     | 76.20 | 67.56 | 62.73 | 64.26 | 101.60 |

## Złącze proste z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DCF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie rury metrycznej z zewnętrznym gwintem NPT

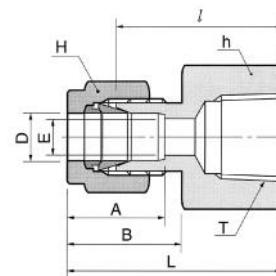
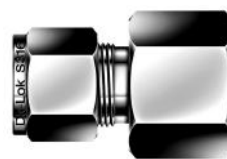
### DCF-...M-...N

| Kod         | Śr. zewn. rury | T<br>NPT | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | L    |
|-------------|----------------|----------|----------|--------------------|----|------|------|------|------|
|             | D              |          |          | h                  | H  |      |      |      |      |
| DCF-3M-2N   | 3              | 1/8      | 2.4      | 14                 | 12 | 12.9 | 15.3 | 22.1 | 28.7 |
| DCF-3M-4N   | 3              | 1/4      | 2.4      | 19                 | 12 | 12.9 | 15.3 | 26.9 | 33.5 |
| DCF-4M-2N   | 4              | 1/8      | 2.4      | 14                 | 12 | 13.7 | 16.1 | 23.1 | 29.7 |
| DCF-6M-2N   | 6              | 1/8      | 4.8      | 14                 | 14 | 15.3 | 17.7 | 23.9 | 31.3 |
| DCF-6M-4N   | 6              | 1/4      | 4.8      | 19                 | 14 | 15.3 | 17.7 | 28.4 | 35.8 |
| DCF-6M-6N   | 6              | 3/8      | 4.8      | 22                 | 14 | 15.3 | 17.7 | 29.5 | 36.9 |
| DCF-6M-8N   | 6              | 1/2      | 4.8      | 27                 | 14 | 15.3 | 17.7 | 35.1 | 42.5 |
| DCF-8M-2N   | 8              | 1/8      | 6.4      | 15                 | 16 | 16.2 | 18.6 | 24.6 | 32.1 |
| DCF-8M-4N   | 8              | 1/4      | 6.4      | 19                 | 16 | 16.2 | 18.6 | 29.5 | 37.0 |
| DCF-8M-6N   | 8              | 3/8      | 6.4      | 22                 | 16 | 16.2 | 18.6 | 30.2 | 37.7 |
| DCF-8M-8N   | 8              | 1/2      | 6.4      | 27                 | 16 | 16.2 | 18.6 | 35.8 | 43.3 |
| DCF-10M-2N  | 10             | 1/8      | 7.9      | 18                 | 19 | 17.2 | 19.5 | 25.4 | 33.0 |
| DCF-10M-4N  | 10             | 1/4      | 7.9      | 19                 | 19 | 17.2 | 19.5 | 30.2 | 37.8 |
| DCF-10M-6N  | 10             | 3/8      | 7.9      | 22                 | 19 | 17.2 | 19.5 | 31.0 | 38.6 |
| DCF-10M-8N  | 10             | 1/2      | 7.9      | 27                 | 19 | 17.2 | 19.5 | 36.6 | 44.2 |
| DCF-12M-2N  | 12             | 1/8      | 8.3      | 22                 | 22 | 22.8 | 22.0 | 28.4 | 38.5 |
| DCF-12M-4N  | 12             | 1/4      | 9.5      | 22                 | 22 | 22.8 | 22.0 | 30.2 | 40.3 |
| DCF-12M-6N  | 12             | 3/8      | 9.5      | 22                 | 22 | 22.8 | 22.0 | 31.0 | 41.1 |
| DCF-12M-8N  | 12             | 1/2      | 9.5      | 27                 | 22 | 22.8 | 22.0 | 36.6 | 46.7 |
| DCF-12M-12N | 12             | 3/4      | 9.5      | 35                 | 22 | 22.8 | 22.0 | 38.9 | 49.0 |
| DCF-15M-8N  | 15             | 1/2      | 11.9     | 27                 | 25 | 24.4 | 22.0 | 36.6 | 46.7 |
| DCF-16M-8N  | 16             | 1/2      | 12.7     | 27                 | 25 | 24.4 | 22.0 | 36.8 | 46.9 |
| DCF-20M-8N  | 20             | 1/2      | 15.9     | 30                 | 32 | 26.0 | 22.0 | 37.8 | 47.9 |
| DCF-20M-12N | 20             | 3/4      | 15.9     | 35                 | 32 | 26.0 | 22.0 | 39.6 | 49.7 |
| DCF-22M-12N | 22             | 3/4      | 18.3     | 35                 | 32 | 26.0 | 22.0 | 39.6 | 49.7 |
| DCF-22M-16N | 22             | 1        | 18.3     | 41                 | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DCF-25M-12N | 25             | 3/4      | 21.8     | 35                 | 38 | 31.3 | 26.5 | 41.1 | 53.4 |
| DCF-25M-16N | 25             | 1        | 21.8     | 41                 | 38 | 31.3 | 26.5 | 50.0 | 62.3 |

## DCF-R

## Złącze proste z gwintem wewnętrznym R

Wartości ciśnień dla złączki DCF-R  
znajdują się w tabeli nr 21 na stronie 13



## Połączenie rury stalowej z zewnętrznym gwintem stożkowym ISO

DCF-...-R

| Kod        | Średnica zewn. rury |       | T<br>R (BSPT) | E<br>min | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L     |
|------------|---------------------|-------|---------------|----------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
|            | D                   |       |               |          | h                              |       | H     |       |       |       |       |       |
|            | in                  | mm    |               |          | in                             | mm    | in    | mm    |       |       |       |       |
| DCF-2-2R   | 1/8                 | 3.17  | 1/8           | 2.28     | 9/16                           | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 22.09 | 28.70 |
| DCF-4-2R   | 1/4                 | 6.35  | 1/8           | 4.82     | 9/16                           | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 23.87 | 31.24 |
| DCF-4-4R   | 1/4                 | 6.35  | 1/4           | 4.82     | 3/4                            | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 28.44 | 35.81 |
| DCF-4-6R   | 1/4                 | 6.35  | 3/8           | 4.82     | 7/8                            | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 37.59 |
| DCF-4-8R   | 1/4                 | 6.35  | 1/2           | 4.82     | 1-1/16                         | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 35.05 | 42.41 |
| DCF-6-4R   | 3/8                 | 9.52  | 1/4           | 7.11     | 3/4                            | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 30.22 | 37.59 |
| DCF-6-6R   | 3/8                 | 9.52  | 3/8           | 7.11     | 7/8                            | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 39.11 |
| DCF-6-8R   | 3/8                 | 9.52  | 1/2           | 7.11     | 1-1/16                         | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 36.57 | 43.94 |
| DCF-8-2R   | 1/2                 | 12.70 | 1/8           | 10.41    | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.40 | 35.56 |
| DCF-8-4R   | 1/2                 | 12.70 | 1/4           | 10.41    | 1-3/16                         | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 30.22 | 40.38 |
| DCF-8-6R   | 1/2                 | 12.70 | 3/8           | 10.41    | 7/8                            | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 31.75 | 41.91 |
| DCF-8-8R   | 1/2                 | 12.70 | 1/2           | 10.41    | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 36.57 | 46.73 |
| DCF-8-12R  | 1/2                 | 12.70 | 3/4           | 10.41    | 1-5/16                         | 33.33 | 7/8   | 22.22 | 22.86 | 21.84 | 38.10 | 48.26 |
| DCF-10-6R  | 5/8                 | 15.87 | 3/8           | 12.70    | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 31.75 | 41.91 |
| DCF-10-8R  | 5/8                 | 15.87 | 1/2           | 12.70    | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 36.57 | 46.73 |
| DCF-10-12R | 5/8                 | 15.87 | 3/4           | 12.70    | 1-5/16                         | 33.33 | 1     | 25.40 | 24.38 | 21.84 | 38.10 | 48.26 |
| DCF-12-8R  | 3/4                 | 19.05 | 1/2           | 15.74    | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 36.57 | 46.73 |
| DCF-12-12R | 3/4                 | 19.05 | 3/4           | 15.74    | 1-5/16                         | 33.33 | 1-1/8 | 28.58 | 24.38 | 21.84 | 38.10 | 48.26 |
| DCF-16-12R | 1                   | 25.40 | 3/4           | 22.35    | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 41.14 | 53.34 |
| DCF-16-16R | 1                   | 25.40 | 1             | 22.35    | 1-5/8                          | 41.27 | 1-1/2 | 38.10 | 31.24 | 26.41 | 50.03 | 62.23 |
| DCF-20-16R | 1-1/4               | 31.75 | 1             | 27.68    | 1-3/4                          | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 52.57 | 74.67 |
| DCF-20-20R | 1-1/4               | 31.75 | 1-1/4         | 27.68    | 2-1/8                          | 53.98 | 1-7/8 | 47.63 | 41.14 | 38.86 | 52.57 | 74.67 |
| DCF-24-24R | 1-1/2               | 38.10 | 1-1/2         | 34.03    | 2-3/8                          | 60.33 | 2-1/4 | 57.15 | 50.03 | 45.21 | 56.13 | 83.81 |

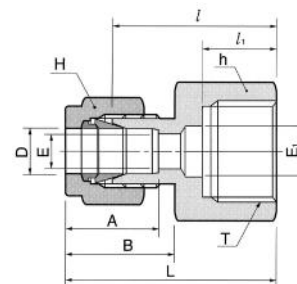
## Połączenie rury metrycznej z zewnętrznym gwintem stożkowym ISO

DCF-...M-...R

| Kod         | Śr. zewn. rury | T<br>R (BSPT) | E<br>min | Odl. pow. płaskich |    | A    | B    | I    | L    |
|-------------|----------------|---------------|----------|--------------------|----|------|------|------|------|
|             | D              |               |          | h                  | H  |      |      |      |      |
| DCF-3M-2R   | 3              | 1/8           | 2.4      | 14                 | 12 | 12.9 | 15.3 | 22.1 | 28.7 |
| DCF-3M-4R   | 3              | 1/4           | 2.4      | 19                 | 12 | 12.9 | 15.3 | 26.9 | 33.5 |
| DCF-4M-2R   | 4              | 1/8           | 2.4      | 14                 | 12 | 13.7 | 16.1 | 23.1 | 29.7 |
| DCF-6M-2R   | 6              | 1/8           | 4.8      | 14                 | 14 | 15.3 | 17.7 | 23.9 | 31.3 |
| DCF-6M-4R   | 6              | 1/4           | 4.8      | 19                 | 14 | 15.3 | 17.7 | 28.4 | 35.8 |
| DCF-6M-6R   | 6              | 3/8           | 4.8      | 22                 | 14 | 15.3 | 17.7 | 29.5 | 36.9 |
| DCF-6M-8R   | 6              | 1/2           | 4.8      | 27                 | 14 | 15.3 | 17.7 | 35.1 | 42.5 |
| DCF-8M-2R   | 8              | 1/8           | 6.4      | 15                 | 16 | 16.2 | 18.6 | 24.6 | 32.1 |
| DCF-8M-4R   | 8              | 1/4           | 6.4      | 19                 | 16 | 16.2 | 18.6 | 29.5 | 37.0 |
| DCF-8M-6R   | 8              | 3/8           | 6.4      | 22                 | 16 | 16.2 | 18.6 | 30.2 | 37.7 |
| DCF-8M-8R   | 8              | 1/2           | 6.4      | 27                 | 16 | 16.2 | 18.6 | 35.8 | 43.3 |
| DCF-10M-2R  | 10             | 1/8           | 7.9      | 18                 | 19 | 17.2 | 19.5 | 25.4 | 33.0 |
| DCF-10M-4R  | 10             | 1/4           | 7.9      | 19                 | 19 | 17.2 | 19.5 | 30.2 | 37.8 |
| DCF-10M-6R  | 10             | 3/8           | 7.9      | 22                 | 19 | 17.2 | 19.5 | 31.0 | 38.6 |
| DCF-10M-8R  | 10             | 1/2           | 7.9      | 27                 | 19 | 17.2 | 19.5 | 36.6 | 44.2 |
| DCF-12M-2R  | 12             | 1/8           | 8.3      | 22                 | 22 | 22.8 | 22.0 | 28.4 | 38.5 |
| DCF-12M-4R  | 12             | 1/4           | 9.5      | 22                 | 22 | 22.8 | 22.0 | 30.2 | 40.3 |
| DCF-12M-6R  | 12             | 3/8           | 9.5      | 22                 | 22 | 22.8 | 22.0 | 31.0 | 41.1 |
| DCF-12M-8R  | 12             | 1/2           | 9.5      | 27                 | 22 | 22.8 | 22.0 | 36.6 | 46.7 |
| DCF-12M-12R | 12             | 3/4           | 9.5      | 35                 | 22 | 22.8 | 22.0 | 38.9 | 49.0 |
| DCF-15M-8R  | 15             | 1/2           | 11.9     | 27                 | 25 | 24.4 | 22.0 | 36.6 | 46.7 |
| DCF-16M-8R  | 16             | 1/2           | 12.7     | 27                 | 25 | 24.4 | 22.0 | 36.8 | 46.9 |
| DCF-20M-8R  | 20             | 1/2           | 15.9     | 30                 | 32 | 26.0 | 22.0 | 37.8 | 47.9 |
| DCF-20M-12R | 20             | 3/4           | 15.9     | 35                 | 32 | 26.0 | 22.0 | 39.6 | 49.7 |
| DCF-22M-8R  | 22             | 1/2           | 18.3     | 30                 | 32 | 26.0 | 22.0 | 38.0 | 48.1 |
| DCF-22M-12R | 22             | 3/4           | 18.3     | 35                 | 32 | 26.0 | 22.0 | 39.6 | 49.7 |
| DCF-22M-16R | 22             | 1             | 18.3     | 41                 | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DCF-25M-8R  | 25             | 1/2           | 21.8     | 35                 | 38 | 31.3 | 26.5 | 41.1 | 53.4 |
| DCF-25M-12R | 25             | 3/4           | 21.8     | 35                 | 38 | 31.3 | 26.5 | 41.1 | 53.4 |
| DCF-25M-16R | 25             | 1             | 21.8     | 41                 | 38 | 31.3 | 26.5 | 50.0 | 62.3 |



## Złącze proste manometryczne z gwintem wewnętrznym G (BSPP)



### Połączenie rury stalowej z manometrem (o gwincie zewnętrznym równoległym ISO)

DCF-...-...GG

| Kod       | Śr. zewn. rury |       | T<br>G (BSPP) | E<br>min | E <sub>1</sub> | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     |
|-----------|----------------|-------|---------------|----------|----------------|--------------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|
|           | D              |       |               |          |                | h                              |       | H     |       |       |       |       |                |       |
|           | in             | mm    |               |          |                | in                             | mm    | in    | mm    |       |       |       |                |       |
| DCF-2-4GG | 1/8            | 3.17  | 1/4           | 2.4      | 5.5            | 3/4                            | 19.05 | 7/16  | 11.11 | 12.70 | 15.24 | 28.70 | 13.00          | 35.31 |
| DCF-4-2GG | 1/4            | 6.35  | 1/8           | 4.82     | -              | 9/16                           | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 26.30 | 12.00          | 33.55 |
| DCF-4-4GG | 1/4            | 6.35  | 1/4           | 4.82     | 5.5            | 3/4                            | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 13.00          | 37.59 |
| DCF-4-6GG | 1/4            | 6.35  | 3/8           | 4.82     | 6.5            | 15/16                          | 23.81 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 14.22          | 37.59 |
| DCF-4-8GG | 1/4            | 6.35  | 1/2           | 4.82     | 7.0            | 1-1/16                         | 26.98 | 9/16  | 14.28 | 15.24 | 17.78 | 30.07 | 18.80          | 43.43 |
| DCF-5-4GG | 5/16           | 7.93  | 1/4           | 5.58     | 5.5            | 3/4                            | 19.05 | 5/8   | 15.87 | 16.25 | 18.54 | 30.98 | 13.00          | 38.35 |
| DCF-5-8GG | 5/16           | 7.93  | 1/2           | 7.11     | 7.0            | 1-1/16                         | 26.98 | 5/8   | 15.87 | 16.25 | 18.54 | 33.02 | 18.80          | 40.38 |
| DCF-6-4GG | 3/8            | 9.52  | 1/4           | 5.58     | 5.5            | 3/4                            | 19.05 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 12.95          | 39.12 |
| DCF-6-6GG | 3/8            | 9.52  | 3/8           | 6.60     | 6.5            | 15/16                          | 23.81 | 11/16 | 17.46 | 16.76 | 19.30 | 31.24 | 14.22          | 38.61 |
| DCF-6-8GG | 3/8            | 9.52  | 1/2           | 7.11     | 7.0            | 1-1/16                         | 26.98 | 11/16 | 17.46 | 16.76 | 19.30 | 34.54 | 18.80          | 41.91 |
| DCF-8-4GG | 1/2            | 12.70 | 1/4           | 5.50     | 5.5            | 7/8                            | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 31.80 | 13.00          | 41.95 |
| DCF-8-6GG | 1/2            | 12.70 | 3/8           | 6.60     | 6.5            | 15/16                          | 23.81 | 7/8   | 22.22 | 22.86 | 21.84 | 34.29 | 14.24          | 44.45 |
| DCF-8-8GG | 1/2            | 12.70 | 1/2           | 7.11     | 7.0            | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 38.10 | 18.80          | 48.26 |

### Połączenie rury metrycznej z manometrem (o gwincie zewnętrznym równoległym ISO)

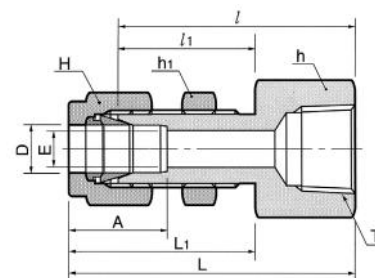
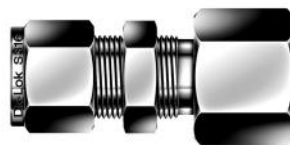
DCF-...M-...GG

| Kod         | Śr. zewn. rury<br>D | T<br>G (BSPP) | E<br>min | E <sub>1</sub> | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    |
|-------------|---------------------|---------------|----------|----------------|--------------------|----|------|------|------|----------------|------|
|             |                     |               |          |                | h                  | H  |      |      |      |                |      |
| DCF-3M-4GG  | 3                   | 1/4           | 2.4      | 5.5            | 19                 | 12 | 12.9 | 15.3 | 28.7 | 13             | 35.3 |
| DCF-6M-4GG  | 6                   | 1/4           | 4.8      | 5.5            | 19                 | 14 | 15.3 | 17.7 | 30.2 | 13             | 37.6 |
| DCF-6M-6GG  | 6                   | 3/8           | 4.8      | 6.5            | 24                 | 14 | 15.3 | 17.7 | 30.2 | 14             | 37.6 |
| DCF-6M-8GG  | 6                   | 1/2           | 4.8      | 7.0            | 27                 | 14 | 15.3 | 17.7 | 36.3 | 19             | 43.0 |
| DCF-8M-4GG  | 8                   | 1/4           | 5.5      | 5.5            | 19                 | 16 | 16.2 | 18.6 | 31.0 | 13             | 38.5 |
| DCF-8M-6GG  | 8                   | 3/8           | 6.5      | 6.5            | 24                 | 16 | 16.2 | 18.6 | 28.7 | 14             | 36.2 |
| DCF-8M-8GG  | 8                   | 1/2           | 7.0      | 7.0            | 27                 | 16 | 16.2 | 18.6 | 33.0 | 19             | 40.5 |
| DCF-10M-4GG | 10                  | 1/4           | 5.5      | 5.5            | 19                 | 19 | 17.2 | 19.5 | 31.8 | 13             | 39.4 |
| DCF-10M-6GG | 10                  | 3/8           | 6.5      | 6.5            | 24                 | 19 | 17.2 | 19.5 | 31.2 | 14             | 38.8 |
| DCF-10M-8GG | 10                  | 1/2           | 7.0      | 7.0            | 27                 | 19 | 17.2 | 19.5 | 33.8 | 19             | 41.4 |
| DCF-12M-4GG | 12                  | 1/4           | 5.5      | 5.5            | 22                 | 22 | 22.8 | 22.0 | 31.8 | 13             | 41.9 |
| DCF-12M-6GG | 12                  | 3/8           | 6.5      | 6.5            | 24                 | 22 | 22.8 | 22.0 | 34.3 | 14             | 44.4 |
| DCF-12M-8GG | 12                  | 1/2           | 7.0      | 7.0            | 27                 | 22 | 22.8 | 22.0 | 38.1 | 19             | 48.2 |
| DCF-20M-8GG | 20                  | 1/2           | 7.0      | 7.0            | 30                 | 32 | 26.0 | 22.0 | 44.2 | 19             | 54.3 |
| DCF-22M-8GG | 22                  | 1/2           | 7.0      | 7.0            | 30                 | 32 | 26.0 | 22.0 | 44.2 | 19             | 54.3 |

# DCBF-N

## Złącze proste przegrodowe z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DCBF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie rury stalowej z zewnętrznym gwintem NPT

### DCBF-...-...N

| Kod         | Śr. zewn. rury |       | T     | E     | Odległość powierzchni płaskich |                |        |       |       |       | A     | I     | I <sub>1</sub> | L      | L <sub>1</sub> | Rozmiar<br>otworu<br>w panelu | Maks.<br>grubość<br>panelu |
|-------------|----------------|-------|-------|-------|--------------------------------|----------------|--------|-------|-------|-------|-------|-------|----------------|--------|----------------|-------------------------------|----------------------------|
|             | D              |       |       |       | h                              | h <sub>1</sub> |        | H     |       |       |       |       |                |        |                |                               |                            |
|             | in             | mm    |       |       |                                | in             | mm     | in    | mm    |       |       |       |                |        |                |                               |                            |
| DCBF-2-2N   | 1/8            | 3.17  | 1/8   | 2.28  | 9/16                           | 14.28          | 1/2    | 12.70 | 7/16  | 11.11 | 12.70 | 38.10 | 24.63          | 44.70  | 31.24          | 8.33                          | 12.70                      |
| DCBF-4-2N   | 1/4            | 6.35  | 1/8   | 4.82  | 5/8                            | 15.87          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 39.62 | 26.16          | 46.99  | 33.52          | 11.50                         | 10.16                      |
| DCBF-4-4N   | 1/4            | 6.35  | 1/4   | 4.82  | 3/4                            | 19.05          | 5/8    | 15.87 | 9/16  | 14.28 | 15.24 | 44.45 | 26.16          | 51.81  | 33.52          | 11.50                         | 10.16                      |
| DCBF-6-4N   | 3/8            | 9.52  | 1/4   | 7.11  | 3/4                            | 19.05          | 3/4    | 19.05 | 11/16 | 17.46 | 16.76 | 47.75 | 29.46          | 55.11  | 36.83          | 14.68                         | 11.17                      |
| DCBF-6-6N   | 3/8            | 9.52  | 3/8   | 7.11  | 7/8                            | 22.22          | 3/4    | 19.05 | 11/16 | 17.46 | 16.76 | 49.41 | 29.46          | 56.77  | 36.83          | 14.68                         | 11.17                      |
| DCBF-8-6N   | 1/2            | 12.70 | 3/8   | 10.41 | 15/16                          | 23.81          | 15/16  | 23.81 | 7/8   | 22.22 | 22.86 | 51.56 | 31.75          | 61.72  | 41.91          | 19.44                         | 12.70                      |
| DCBF-8-8N   | 1/2            | 12.70 | 1/2   | 10.41 | 1-1/16                         | 26.98          | 15/16  | 23.81 | 7/8   | 22.22 | 22.86 | 56.38 | 31.75          | 66.54  | 41.91          | 19.44                         | 12.70                      |
| DCBF-12-12N | 3/4            | 19.05 | 3/4   | 15.74 | 1-1/4                          | 31.75          | 1-3/16 | 30.16 | 1-1/8 | 28.57 | 24.38 | 63.60 | 38.30          | 73.51  | 47.21          | 25.79                         | 16.76                      |
| DCBF-16-16N | 1              | 25.40 | 1     | 22.35 | 1-5/8                          | 41.27          | 1-5/8  | 41.27 | 1-1/2 | 38.10 | 31.24 | 81.04 | 45.21          | 93.23  | 57.40          | 33.73                         | 19.05                      |
| DCBF-20-20N | 1-1/4          | 31.75 | 1-1/4 | 27.68 | 1-7/8                          | 47.63          | 1-7/8  | 47.63 | 1-7/8 | 47.63 | 41.14 | 83.49 | 47.75          | 105.59 | 69.85          | 41.67                         | 19.05                      |
| DCBF-24-24N | 1-1/2          | 38.10 | 1-1/2 | 33.90 | 1-1/4                          | 57.15          | 2-1/4  | 57.15 | 2-1/4 | 57.15 | 50.03 | 87.39 | 49.27          | 114.57 | 76.45          | 49.61                         | 19.05                      |
| DCBF-32-32N | 2              | 50.80 | 2     | 45.97 | 1-3/4                          | 69.85          | 2-3/4  | 69.85 | 3     | 76.20 | 67.56 | 95.30 | 56.38          | 132.63 | 93.71          | 57.94                         | 19.05                      |

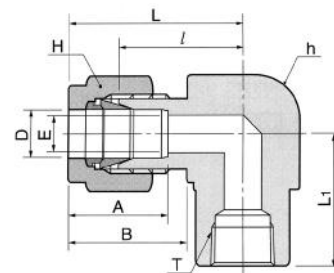
### Połączenie rury metrycznej z zewnętrznym gwintem NPT

### DCBF-...M-...N

| Kod         | Śr. zewn. rury | T   | E   | Odl. pow. płaskich |                |    | A    | I    | I <sub>1</sub> | L     | L <sub>1</sub> | Rozmiar otworu w panelu | Maks. grubość panelu |
|-------------|----------------|-----|-----|--------------------|----------------|----|------|------|----------------|-------|----------------|-------------------------|----------------------|
|             | D              | NPT | min | h                  | h <sub>1</sub> | H  |      |      |                |       |                |                         |                      |
| DCBF-6M-2N  | 6              | 1/8 | 4.8 | 15.8               | 15.8           | 14 | 15.3 | 39.6 | 26.2           | 46.90 | 35.00          | 11.5                    | 10.2                 |
| DCBF-6M-4N  | 6              | 1/4 | 4.8 | 19.0               | 16.0           | 14 | 15.3 | 44.4 | 26.2           | 51.80 | 33.60          | 11.5                    | 10.2                 |
| DCBF-8M-4N  | 8              | 1/4 | 6.3 | 19.0               | 17.4           | 16 | 16.2 | 46.7 | 28.6           | 53.85 | 35.55          | 13.1                    | 11.2                 |
| DCBF-12M-8N | 12             | 1/2 | 9.5 | 27.0               | 24.0           | 22 | 22.8 | 56.4 | 31.8           | 66.50 | 41.90          | 19.5                    | 12.7                 |

## Złącze kolankowe z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DLF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie rury stalowej z zewnętrznym gwintem NPT

DLF-....N

| Kod        | Śr. zewn. rury |       | T   | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L     | L <sub>1</sub> |
|------------|----------------|-------|-----|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|            | D              |       |     |       | h                              |       | H     |       |       |       |       |       |                |
|            | in             | mm    |     |       | NPT                            | min   | in    | mm    |       |       |       |       |                |
| DLF-2-2N   | 1/8            | 3.17  | 1/8 | 2.28  | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.03 | 24.63 | 19.05          |
| DLF-2-4N   | 1/8            | 3.17  | 1/4 | 2.28  | 11/16                          | 17.46 | 7/16  | 11.11 | 12.70 | 15.24 | 20.82 | 27.43 | 22.35          |
| DLF-3-2N   | 3/16           | 4.76  | 1/8 | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40 | 19.05          |
| DLF-4-2N   | 1/4            | 6.35  | 1/8 | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92 | 19.05          |
| DLF-4-4N   | 1/4            | 6.35  | 1/4 | 4.82  | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71 | 22.35          |
| DLF-4-6N   | 1/4            | 6.35  | 3/8 | 4.82  | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.38 | 31.75 | 22.35          |
| DLF-4-8N   | 1/4            | 6.35  | 1/2 | 4.82  | 1                              | 25.40 | 9/16  | 14.28 | 15.24 | 17.78 | 27.17 | 34.54 | 28.44          |
| DLF-5-2N   | 5/16           | 7.93  | 1/8 | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70 | 19.05          |
| DLF-5-4N   | 5/16           | 7.93  | 1/4 | 6.35  | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48 | 22.35          |
| DLF-6-2N   | 3/8            | 9.52  | 1/8 | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 19.05          |
| DLF-6-4N   | 3/8            | 9.52  | 1/4 | 7.11  | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24 | 22.35          |
| DLF-6-6N   | 3/8            | 9.52  | 3/8 | 7.11  | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 33.27 | 22.35          |
| DLF-6-8N   | 3/8            | 9.52  | 1/2 | 7.11  | 1                              | 25.40 | 11/16 | 17.46 | 16.76 | 19.30 | 28.70 | 36.06 | 28.44          |
| DLF-8-4N   | 1/2            | 12.70 | 1/4 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DLF-8-6N   | 1/2            | 12.70 | 3/8 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DLF-8-8N   | 1/2            | 12.70 | 1/2 | 10.41 | 1                              | 25.40 | 7/8   | 22.22 | 22.86 | 21.84 | 28.70 | 38.86 | 28.44          |
| DLF-10-6N  | 5/8            | 15.87 | 3/8 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.94 | 38.10 | 22.35          |
| DLF-10-8N  | 5/8            | 15.87 | 1/2 | 12.70 | 1                              | 25.40 | 1     | 25.40 | 24.38 | 21.84 | 29.71 | 39.87 | 28.44          |
| DLF-12-8N  | 3/4            | 19.05 | 1/2 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87 | 28.44          |
| DLF-12-12N | 3/4            | 19.05 | 3/4 | 15.74 | 1-3/8                          | 34.92 | 1-1/8 | 28.58 | 24.38 | 21.84 | 34.54 | 44.70 | 31.75          |
| DLF-14-12N | 7/8            | 22.22 | 3/4 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70 | 31.75          |
| DLF-16-12N | 1              | 25.40 | 3/4 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02 | 31.75          |
| DLF-16-16N | 1              | 25.40 | 1   | 22.35 | 1-11/16                        | 42.86 | 1-1/2 | 38.10 | 31.24 | 26.41 | 41.40 | 50.29 | 38.10          |

### Połączenie rury metrycznej z zewnętrznym gwintem NPT

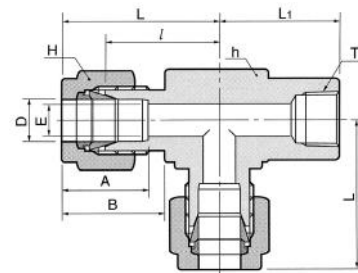
DLF-...M-...N

| Kod        | Śr. zewn. rury | T   | E    | Odl. pow. płaskich |    | A    | B    | I    | L    | L <sub>1</sub> |
|------------|----------------|-----|------|--------------------|----|------|------|------|------|----------------|
|            | D              | NPT | min  | h                  | H  |      |      |      |      |                |
| DLF-6M-2N  | 6              | 1/8 | 4.8  | 12.70              | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 19.00          |
| DLF-6M-4N  | 6              | 1/4 | 4.8  | 17.46              | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 22.40          |
| DLF-6M-6N  | 6              | 3/8 | 4.8  | 20.64              | 14 | 15.3 | 17.7 | 24.4 | 31.7 | 22.40          |
| DLF-6M-8N  | 6              | 1/2 | 4.8  | 25.40              | 14 | 15.3 | 17.7 | 27.2 | 34.6 | 28.40          |
| DLF-8M-2N  | 8              | 1/8 | 6.4  | 15.87              | 16 | 16.2 | 18.6 | 23.1 | 29.9 | 19.00          |
| DLF-8M-4N  | 8              | 1/4 | 6.4  | 17.46              | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 22.40          |
| DLF-8M-8N  | 8              | 1/2 | 6.4  | 25.40              | 16 | 16.2 | 18.6 | 28.0 | 35.2 | 28.40          |
| DLF-10M-2N | 10             | 1/8 | 7.9  | 17.46              | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 19.00          |
| DLF-10M-4N | 10             | 1/4 | 7.9  | 17.46              | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 22.35          |
| DLF-10M-6N | 10             | 3/8 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 22.40          |
| DLF-10M-8N | 10             | 1/2 | 7.9  | 25.40              | 19 | 17.2 | 19.5 | 28.7 | 36.1 | 28.40          |
| DLF-12M-4N | 12             | 1/4 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 22.40          |
| DLF-12M-6N | 12             | 3/8 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.2 | 22.35          |
| DLF-12M-8N | 12             | 1/2 | 9.5  | 25.40              | 22 | 22.8 | 22.0 | 28.7 | 38.8 | 28.40          |
| DLF-16M-8N | 16             | 1/2 | 12.7 | 26.98              | 25 | 24.4 | 22.0 | 29.7 | 39.5 | 28.40          |

# DTRF-N

## Złącze typu TL z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DTRF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie rur stalowych z zewnętrznym gwintem NPT

### DTRF-...-...N

| Kod         | Śr. zewn. rury |       | T   | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | I     | L     | L <sub>1</sub> |
|-------------|----------------|-------|-----|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | in             | mm    |     |       | h                              |       | H     |       |       |       |       |       |                |
| DTRF-2-2N   | 1/8            | 3.17  | 1/8 | 2.28  | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.03 | 24.63 | 19.05          |
| DTRF-2-4N   | 1/8            | 3.17  | 1/4 | 2.28  | 11/16                          | 17.46 | 7/16  | 11.11 | 12.70 | 15.24 | 20.82 | 27.43 | 22.35          |
| DTRF-3-2N   | 3/16           | 4.76  | 1/8 | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40 | 19.05          |
| DTRF-4-2N   | 1/4            | 6.35  | 1/8 | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92 | 19.05          |
| DTRF-4-4N   | 1/4            | 6.35  | 1/4 | 4.82  | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.86 | 29.71 | 22.35          |
| DTRF-4-6N   | 1/4            | 6.35  | 3/8 | 4.82  | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.38 | 31.75 | 22.35          |
| DTRF-4-8N   | 1/4            | 6.35  | 1/2 | 4.82  | 1                              | 25.40 | 9/16  | 14.28 | 15.24 | 17.78 | 27.17 | 34.54 | 28.44          |
| DTRF-5-2N   | 5/16           | 7.94  | 1/8 | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70 | 19.05          |
| DTRF-5-4N   | 5/16           | 7.94  | 1/4 | 6.35  | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48 | 22.35          |
| DTRF-6-2N   | 3/8            | 9.52  | 1/8 | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 19.05          |
| DTRF-6-4N   | 3/8            | 9.52  | 1/4 | 7.11  | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24 | 22.35          |
| DTRF-6-6N   | 3/8            | 9.52  | 3/8 | 6.35  | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 33.27 | 22.35          |
| DTRF-6-8N   | 3/8            | 9.52  | 1/2 | 7.11  | 1                              | 25.40 | 11/16 | 17.46 | 16.76 | 19.30 | 28.70 | 36.06 | 28.44          |
| DTRF-8-4N   | 1/2            | 12.70 | 1/4 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DTRF-8-6N   | 1/2            | 12.70 | 3/8 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DTRF-8-8N   | 1/2            | 12.70 | 1/2 | 10.41 | 1                              | 25.40 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.87 | 28.44          |
| DTRF-10-6N  | 5/8            | 15.87 | 3/8 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.94 | 38.10 | 22.35          |
| DTRF-10-8N  | 5/8            | 15.87 | 1/2 | 12.70 | 1                              | 25.40 | 1     | 25.40 | 24.38 | 21.84 | 28.70 | 38.86 | 28.44          |
| DTRF-12-8N  | 3/4            | 19.05 | 1/2 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87 | 28.44          |
| DTRF-12-12N | 3/4            | 19.05 | 3/4 | 15.74 | 1-3/8                          | 34.92 | 1-1/8 | 28.58 | 24.38 | 21.84 | 34.54 | 44.70 | 31.75          |
| DTRF-14-12N | 7/8            | 22.22 | 3/4 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 31.75 | 21.84 | 34.54 | 44.70 | 31.75          |
| DTRF-16-12N | 1              | 25.40 | 3/4 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 38.10 | 26.41 | 36.83 | 49.02 | 31.75          |
| DTRF-16-16N | 1              | 25.40 | 1   | 22.35 | 1-1/16                         | 42.86 | 1-1/2 | 38.10 | 38.10 | 26.41 | 41.40 | 50.29 | 38.10          |

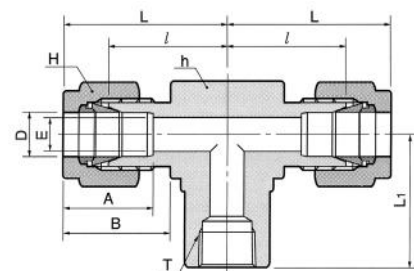
### Połączenie rur metrycznych z zewnętrznym gwintem NPT

### DTRF-...M-...N

| Kod         | Śr. zewn. rury |  | T   | E    | Odl. pow. płaskich |    | A    | B    | I    | L    | L <sub>1</sub> |
|-------------|----------------|--|-----|------|--------------------|----|------|------|------|------|----------------|
|             | D              |  |     |      | h                  | H  |      |      |      |      |                |
| DTRF-6M-2N  | 6              |  | 1/8 | 4.8  | 12.70              | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 19.00          |
| DTRF-6M-4N  | 6              |  | 1/4 | 4.8  | 17.46              | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 22.40          |
| DTRF-6M-6N  | 6              |  | 3/8 | 4.8  | 20.64              | 14 | 15.3 | 17.7 | 24.4 | 31.7 | 22.40          |
| DTRF-6M-8N  | 6              |  | 1/2 | 4.8  | 25.40              | 14 | 15.3 | 17.7 | 27.2 | 34.5 | 28.40          |
| DTRF-8M-2N  | 8              |  | 1/8 | 6.4  | 15.87              | 16 | 16.2 | 18.6 | 23.1 | 29.9 | 19.00          |
| DTRF-8M-4N  | 8              |  | 1/4 | 6.4  | 17.46              | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 22.40          |
| DTRF-8M-6N  | 8              |  | 3/8 | 6.4  | 20.64              | 16 | 16.2 | 18.6 | 25.2 | 32.4 | 22.40          |
| DTRF-8M-8N  | 8              |  | 1/2 | 6.4  | 25.40              | 16 | 16.2 | 18.6 | 28.0 | 35.2 | 28.40          |
| DTRF-10M-2N | 10             |  | 1/8 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 19.00          |
| DTRF-10M-4N | 10             |  | 1/4 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 25.9 | 33.6 | 22.40          |
| DTRF-10M-6N | 10             |  | 3/8 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 25.9 | 33.6 | 22.40          |
| DTRF-10M-8N | 10             |  | 1/2 | 7.9  | 25.40              | 19 | 17.2 | 19.5 | 26.2 | 33.6 | 28.40          |
| DTRF-12M-4N | 12             |  | 1/4 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 22.40          |
| DTRF-12M-6N | 12             |  | 3/8 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 22.40          |
| DTRF-12M-8N | 12             |  | 1/2 | 9.5  | 25.40              | 22 | 22.8 | 22.0 | 29.7 | 40.0 | 28.40          |
| DTRF-16M-8N | 16             |  | 1/2 | 12.7 | 25.40              | 25 | 24.4 | 22.0 | 29.7 | 40.0 | 28.40          |

## Złącze typu T z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DTBF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie rur stalowych z zewnętrznym gwintem NPT

DTBF-....-...N

| Kod         | Śr. zewn. rury |       | T   | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L     | L <sub>1</sub> |
|-------------|----------------|-------|-----|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|----------------|
|             | D              |       |     |       | h                              |       | H     |       |       |       |       |       |                |
|             | in             | mm    |     |       | NPT                            | min   | in    | mm    |       |       |       |       |                |
| DTBF-2-2N   | 1/8            | 3.17  | 1/8 | 2.28  | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 18.03 | 24.38 | 19.05          |
| DTBF-2-4N   | 1/8            | 3.17  | 1/4 | 2.28  | 11/16                          | 17.46 | 7/16  | 11.11 | 12.70 | 15.24 | 20.82 | 27.43 | 22.35          |
| DTBF-3-2N   | 3/16           | 4.76  | 1/8 | 3.04  | 1/2                            | 12.70 | 1/2   | 12.70 | 13.71 | 16.00 | 18.79 | 25.40 | 19.05          |
| DTBF-4-2N   | 1/4            | 6.35  | 1/8 | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 26.92 | 19.05          |
| DTBF-4-4N   | 1/4            | 6.35  | 1/4 | 4.82  | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 22.35 | 29.71 | 22.35          |
| DTBF-4-6N   | 1/4            | 6.35  | 3/8 | 4.82  | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 24.38 | 31.75 | 22.35          |
| DTBF-4-8N   | 1/4            | 6.35  | 1/2 | 4.82  | 1                              | 25.40 | 9/16  | 14.28 | 15.24 | 17.78 | 27.17 | 34.54 | 28.44          |
| DTBF-5-2N   | 5/16           | 7.94  | 1/8 | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 21.33 | 28.70 | 19.05          |
| DTBF-5-4N   | 5/16           | 7.94  | 1/4 | 6.35  | 11/16                          | 17.46 | 5/8   | 15.87 | 16.25 | 18.54 | 23.11 | 30.48 | 22.35          |
| DTBF-6-2N   | 3/8            | 9.52  | 1/8 | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 30.48 | 19.05          |
| DTBF-6-4N   | 3/8            | 9.52  | 1/4 | 7.11  | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 23.87 | 31.24 | 22.35          |
| DTBF-6-6N   | 3/8            | 9.52  | 3/8 | 6.35  | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 25.90 | 33.27 | 22.35          |
| DTBF-6-8N   | 3/8            | 9.52  | 1/2 | 7.11  | 1                              | 25.40 | 11/16 | 17.46 | 16.76 | 19.30 | 28.70 | 36.06 | 28.44          |
| DTBF-8-4N   | 1/2            | 12.70 | 1/4 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DTBF-8-6N   | 1/2            | 12.70 | 3/8 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 36.06 | 22.35          |
| DTBF-8-8N   | 1/2            | 12.70 | 1/2 | 10.41 | 1                              | 25.40 | 7/8   | 22.22 | 22.86 | 21.84 | 29.71 | 39.87 | 28.44          |
| DTBF-10-6N  | 5/8            | 15.87 | 3/8 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 27.94 | 38.10 | 22.35          |
| DTBF-10-8N  | 5/8            | 15.87 | 1/2 | 12.70 | 1                              | 25.40 | 1     | 25.40 | 24.38 | 21.84 | 28.70 | 38.86 | 28.44          |
| DTBF-12-8N  | 3/4            | 19.05 | 1/2 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 39.87 | 28.44          |
| DTBF-12-12N | 3/4            | 19.05 | 3/4 | 15.74 | 1-3/8                          | 34.92 | 1-1/8 | 28.58 | 24.38 | 21.84 | 34.54 | 44.70 | 31.75          |
| DTBF-14-12N | 7/8            | 22.22 | 3/4 | 18.28 | 1-3/8                          | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 34.54 | 44.70 | 31.75          |
| DTBF-16-12N | 1              | 25.40 | 3/4 | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 49.02 | 31.75          |
| DTBF-16-16N | 1              | 25.40 | 1   | 22.35 | 1-11/16                        | 42.86 | 1-1/2 | 38.10 | 31.24 | 26.41 | 41.40 | 53.59 | 38.10          |

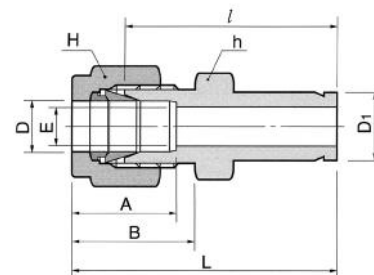
### Połączenie rur metrycznych z zewnętrznym gwintem NPT

DTBF-...M-...N

| Kod         | Śr. zewn. rury | T   | E    | Odl. pow. płaskich |    | A    | B    | l    | L    | L <sub>1</sub> |
|-------------|----------------|-----|------|--------------------|----|------|------|------|------|----------------|
|             | D              | NPT | min  | h                  | H  |      |      |      |      |                |
| DTBF-6M-2N  | 6              | 1/8 | 4.8  | 12.70              | 14 | 15.3 | 17.7 | 19.6 | 27.0 | 19.00          |
| DTBF-6M-4N  | 6              | 1/4 | 4.8  | 17.46              | 14 | 15.3 | 17.7 | 22.4 | 29.8 | 22.40          |
| DTBF-6M-6N  | 6              | 3/8 | 4.8  | 20.64              | 14 | 15.3 | 17.7 | 24.4 | 31.7 | 22.40          |
| DTBF-6M-8N  | 6              | 1/2 | 4.8  | 25.40              | 14 | 15.3 | 17.7 | 27.2 | 34.5 | 28.40          |
| DTBF-8M-2N  | 8              | 1/8 | 6.4  | 15.87              | 16 | 16.2 | 18.6 | 23.1 | 29.9 | 19.00          |
| DTBF-8M-4N  | 8              | 1/4 | 6.4  | 17.46              | 16 | 16.2 | 18.6 | 23.1 | 30.6 | 22.40          |
| DTBF-8M-6N  | 8              | 3/8 | 6.4  | 20.64              | 16 | 16.2 | 18.6 | 25.2 | 32.4 | 22.40          |
| DTBF-8M-8N  | 8              | 1/2 | 6.4  | 25.40              | 16 | 16.2 | 18.6 | 28.0 | 35.2 | 28.40          |
| DTBF-10M-2N | 10             | 1/8 | 7.9  | 17.50              | 19 | 17.2 | 19.5 | 23.9 | 31.5 | 19.00          |
| DTBF-10M-4N | 10             | 1/4 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 22.40          |
| DTBF-10M-6N | 10             | 3/8 | 7.9  | 20.64              | 19 | 17.2 | 19.5 | 25.9 | 33.5 | 22.40          |
| DTBF-10M-8N | 10             | 1/2 | 9.5  | 25.40              | 19 | 17.2 | 19.5 | 26.2 | 33.6 | 22.40          |
| DTBF-12M-4N | 12             | 1/4 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 22.40          |
| DTBF-12M-6N | 12             | 3/8 | 9.5  | 20.64              | 22 | 22.8 | 22.0 | 25.9 | 36.0 | 22.40          |
| DTBF-12M-8N | 12             | 1/2 | 9.5  | 25.40              | 22 | 22.8 | 22.0 | 29.7 | 40.0 | 28.40          |
| DTBF-16M-8N | 16             | 1/2 | 12.7 | 25.40              | 25 | 24.4 | 22.0 | 29.7 | 40.0 | 28.70          |

## Złącze proste redukcyjne z adaptorem

Wartości ciśnień dla złączki DR  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rury stalowej z stalowym portem Dk-Lok

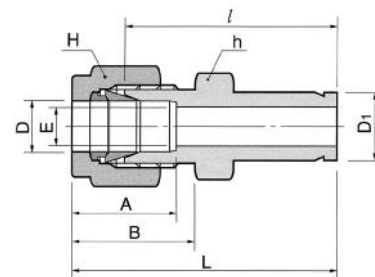
DR-....

| Kod      | Średnica zewnętrzna rury |       |                |       | E     | Odległość powierzchni płaskich |       |       |       | A     | B     | /      | L <sub>1</sub> |
|----------|--------------------------|-------|----------------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|--------|----------------|
|          | D                        |       | D <sub>1</sub> |       |       | h                              |       | H     |       |       |       |        |                |
|          | in                       | mm    | in             | mm    |       | in                             | mm    | in    | mm    |       |       |        |                |
| DR-1-2   | 1/16                     | 1.59  | 1/8            | 3.17  | 1.27  | 5/16                           | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 25.40  | 29.21          |
| DR-1-4   | 1/16                     | 1.59  | 1/4            | 6.35  | 1.27  | 5/16                           | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 27.68  | 31.49          |
| DR-2-1   | 1/8                      | 3.17  | 1/16           | 1.59  | 1.76  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 22.35  | 28.95          |
| DR-2-2   | 1/8                      | 3.17  | 1/8            | 3.17  | 2.03  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 26.92  | 33.52          |
| DR-2-3   | 1/8                      | 3.17  | 3/16           | 4.76  | 2.28  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 27.68  | 34.29          |
| DR-2-4   | 1/8                      | 3.17  | 1/4            | 6.35  | 2.28  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 29.46  | 36.06          |
| DR-2-6   | 1/8                      | 3.17  | 3/8            | 9.52  | 2.28  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 30.98  | 37.59          |
| DR-2-8   | 1/8                      | 3.17  | 1/2            | 12.70 | 2.28  | 9/16                           | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 37.59  | 44.19          |
| DR-3-2   | 3/16                     | 4.76  | 1/8            | 3.17  | 2.03  | 7/16                           | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 28.19  | 34.79          |
| DR-3-4   | 3/16                     | 4.76  | 1/4            | 6.35  | 3.04  | 7/16                           | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 30.48  | 37.08          |
| DR-4-2   | 1/4                      | 6.35  | 1/8            | 3.17  | 2.03  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 29.46  | 36.83          |
| DR-4-3   | 1/4                      | 6.35  | 3/16           | 4.76  | 3.04  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22  | 37.59          |
| DR-4-4   | 1/4                      | 6.35  | 1/4            | 6.35  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 31.75  | 39.11          |
| DR-4-5   | 1/4                      | 6.35  | 5/16           | 7.93  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 32.51  | 39.87          |
| DR-4-6   | 1/4                      | 6.35  | 3/8            | 9.52  | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 33.27  | 40.64          |
| DR-4-8   | 1/4                      | 6.35  | 1/2            | 12.70 | 4.82  | 9/16                           | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 38.86  | 46.22          |
| DR-4-10  | 1/4                      | 6.35  | 5/8            | 15.87 | 4.82  | 11/16                          | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 40.64  | 48.00          |
| DR-4-12  | 1/4                      | 6.35  | 3/4            | 19.05 | 4.82  | 13/16                          | 20.64 | 9/16  | 14.28 | 15.24 | 17.78 | 40.38  | 47.75          |
| DR-5-6   | 5/16                     | 7.93  | 3/8            | 9.52  | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 34.54  | 41.91          |
| DR-5-8   | 5/16                     | 7.93  | 1/2            | 12.70 | 6.35  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 40.13  | 47.49          |
| DR-6-4   | 3/8                      | 9.52  | 1/4            | 6.35  | 4.82  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 34.03  | 41.40          |
| DR-6-6   | 3/8                      | 9.52  | 3/8            | 9.52  | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 35.81  | 43.18          |
| DR-6-8   | 3/8                      | 9.52  | 1/2            | 12.70 | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 41.14  | 48.51          |
| DR-6-10  | 3/8                      | 9.52  | 5/8            | 15.87 | 7.11  | 11/16                          | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 42.92  | 50.29          |
| DR-6-12  | 3/8                      | 9.52  | 3/4            | 19.05 | 7.11  | 13/16                          | 20.64 | 11/16 | 17.46 | 16.76 | 19.30 | 42.92  | 50.29          |
| DR-8-4   | 1/2                      | 12.70 | 1/4            | 6.35  | 4.82  | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 34.79  | 44.95          |
| DR-8-6   | 1/2                      | 12.70 | 3/8            | 9.52  | 7.11  | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 36.57  | 46.73          |
| DR-8-8   | 1/2                      | 12.70 | 1/2            | 12.70 | 9.90  | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 42.16  | 52.32          |
| DR-8-10  | 1/2                      | 12.70 | 5/8            | 15.87 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 43.68  | 53.84          |
| DR-8-12  | 1/2                      | 12.70 | 3/4            | 19.05 | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 43.68  | 53.84          |
| DR-8-16  | 1/2                      | 12.70 | 1              | 25.40 | 10.41 | 1-1/16                         | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 50.03  | 60.19          |
| DR-10-12 | 5/8                      | 15.87 | 3/4            | 19.05 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 44.45  | 54.61          |
| DR-10-14 | 5/8                      | 15.87 | 7/8            | 22.22 | 12.70 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 45.97  | 56.13          |
| DR-10-16 | 5/8                      | 15.87 | 1              | 25.40 | 12.70 | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 21.84 | 50.80  | 60.96          |
| DR-12-8  | 3/4                      | 19.05 | 1/2            | 12.70 | 9.90  | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 44.45  | 54.61          |
| DR-12-16 | 3/4                      | 19.05 | 1              | 25.40 | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 52.32  | 62.48          |
| DR-16-20 | 1                        | 25.40 | 1-1/4          | 31.75 | 22.35 | 1-3/8                          | 34.93 | 1-1/2 | 38.10 | 31.24 | 26.41 | 68.32  | 80.51          |
| DR-16-24 | 1                        | 25.40 | 1-1/2          | 38.10 | 22.35 | 1-5/8                          | 41.28 | 1-1/2 | 38.10 | 31.24 | 26.41 | 76.96  | 89.15          |
| DR-16-32 | 1                        | 25.40 | 2              | 50.80 | 22.35 | 2-1/8                          | 53.98 | 1-1/2 | 38.10 | 31.24 | 26.41 | 100.33 | 112.52         |
| DR-20-24 | 1-1/4                    | 31.75 | 1-1/2          | 38.10 | 27.68 | 1-7/8                          | 47.63 | 1-7/8 | 57.15 | 41.14 | 38.86 | 82.04  | 104.14         |
| DR-20-32 | 1-1/4                    | 31.75 | 2              | 50.80 | 27.68 | 1-7/8                          | 47.63 | 1-7/8 | 57.20 | 41.14 | 38.86 | 103.12 | 125.22         |
| DR-24-32 | 1-1/2                    | 38.10 | 2              | 50.80 | 33.90 | 2-1/4                          | 57.15 | 2-1/4 | 76.20 | 50.03 | 45.21 | 104.14 | 131.31         |



## Złącze proste redukcyjne z adaptorem

Wartości ciśnień dla złączki DR  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rury metrycznej z calowym portem Dk-Lok

DR-...M-...

| Kod       | D  | Średnica zewn. rury |       | E<br>min | Odl. powierzchni płaskich |    | A    | B    | l    | L    |
|-----------|----|---------------------|-------|----------|---------------------------|----|------|------|------|------|
|           |    | in                  | mm    |          | h                         | H  |      |      |      |      |
| DR-2M-2   | 2  | 1/8                 | 3.17  | 1.7      | 12                        | 12 | 12.9 | 15.3 | 26.9 | 33.5 |
| DR-3M-2   | 3  | 1/8                 | 3.17  | 2.0      | 12                        | 12 | 12.9 | 15.3 | 26.9 | 33.5 |
| DR-3M-4   | 3  | 1/4                 | 6.35  | 2.4      | 12                        | 12 | 12.9 | 15.3 | 29.5 | 36.1 |
| DR-4M-4   | 4  | 1/4                 | 6.35  | 2.4      | 12                        | 12 | 13.7 | 16.1 | 30.5 | 37.1 |
| DR-6M-2   | 6  | 1/8                 | 3.18  | 2.0      | 14                        | 14 | 15.3 | 17.7 | 29.5 | 36.9 |
| DR-6M-4   | 6  | 1/4                 | 6.35  | 4.8      | 14                        | 14 | 15.3 | 17.7 | 31.8 | 39.2 |
| DR-6M-5   | 6  | 5/16                | 7.93  | 4.8      | 14                        | 14 | 15.3 | 17.7 | 32.5 | 39.9 |
| DR-6M-6   | 6  | 3/8                 | 9.52  | 4.8      | 14                        | 14 | 15.3 | 17.7 | 33.3 | 40.7 |
| DR-6M-8   | 6  | 1/2                 | 12.70 | 4.8      | 14                        | 14 | 15.3 | 17.7 | 38.9 | 46.3 |
| DR-8M-6   | 8  | 3/8                 | 9.52  | 6.4      | 15                        | 16 | 16.2 | 18.6 | 34.5 | 42.0 |
| DR-8M-8   | 8  | 1/2                 | 12.70 | 6.4      | 15                        | 16 | 16.2 | 18.6 | 40.1 | 47.6 |
| DR-10M-6  | 10 | 3/8                 | 9.52  | 7.1      | 18                        | 19 | 17.2 | 19.5 | 36.6 | 44.2 |
| DR-10M-8  | 10 | 1/2                 | 12.70 | 7.9      | 18                        | 19 | 17.2 | 19.5 | 42.2 | 49.8 |
| DR-12M-8  | 12 | 1/2                 | 12.70 | 9.5      | 22                        | 22 | 22.8 | 22.0 | 42.2 | 52.3 |
| DR-12M-12 | 12 | 3/4                 | 19.05 | 9.5      | 22                        | 22 | 22.8 | 22.0 | 43.7 | 53.8 |
| DR-18M-12 | 18 | 3/4                 | 19.05 | 15.1     | 27                        | 30 | 24.4 | 22.0 | 46.0 | 56.1 |
| DR-18M-16 | 18 | 1                   | 25.40 | 15.1     | 27                        | 30 | 24.4 | 22.0 | 52.3 | 62.4 |
| DR-25M-16 | 25 | 1                   | 25.40 | 20.2     | 35                        | 38 | 31.3 | 26.5 | 57.2 | 69.5 |

## Połączenie rury metrycznej z metrycznym portem Dk-Lok

DR-...M-...M

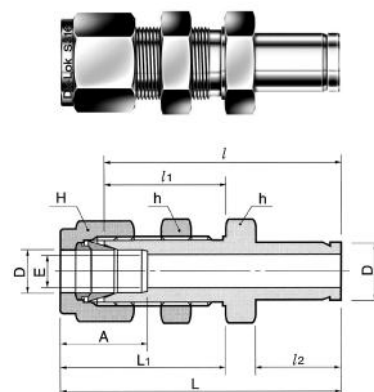
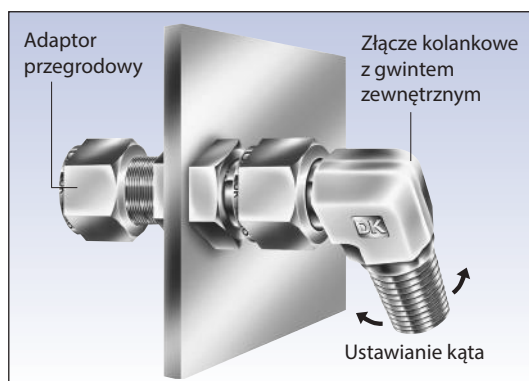
| Kod        | Średnica zewn. rury |    | E<br>min | Odl. powierzchni płaskich |    | A    | B    | l    | L    |
|------------|---------------------|----|----------|---------------------------|----|------|------|------|------|
|            | D                   | D1 |          | h                         | H  |      |      |      |      |
| DR-2M-3M   | 2                   | 3  | 1.7      | 12                        | 12 | 12.9 | 15.3 | 26.9 | 35.3 |
| DR-3M-4M   | 3                   | 4  | 2.4      | 12                        | 12 | 12.9 | 15.3 | 28.4 | 35.0 |
| DR-3M-6M   | 3                   | 6  | 2.4      | 12                        | 12 | 12.9 | 15.3 | 29.5 | 36.1 |
| DR-3M-10M  | 3                   | 10 | 2.4      | 12                        | 12 | 12.9 | 15.3 | 31.8 | 38.4 |
| DR-4M-6M   | 4                   | 6  | 2.4      | 12                        | 12 | 13.7 | 16.1 | 30.5 | 37.1 |
| DR-6M-3M   | 6                   | 3  | 1.8      | 14                        | 14 | 15.3 | 17.7 | 29.5 | 36.9 |
| DR-6M-8M   | 6                   | 8  | 4.8      | 14                        | 14 | 15.3 | 17.7 | 32.5 | 39.9 |
| DR-6M-10M  | 6                   | 10 | 4.8      | 14                        | 14 | 15.3 | 17.7 | 33.3 | 40.7 |
| DR-6M-12M  | 6                   | 12 | 4.8      | 14                        | 14 | 15.3 | 17.7 | 38.9 | 46.3 |
| DR-8M-6M   | 8                   | 6  | 4.6      | 15                        | 16 | 16.2 | 18.6 | 32.8 | 40.3 |
| DR-8M-10M  | 8                   | 10 | 6.4      | 15                        | 16 | 16.2 | 18.6 | 34.5 | 42.0 |
| DR-8M-12M  | 8                   | 12 | 6.4      | 15                        | 16 | 16.2 | 18.6 | 40.1 | 47.6 |
| DR-10M-6M  | 10                  | 6  | 4.6      | 18                        | 19 | 17.2 | 19.5 | 34.8 | 42.4 |
| DR-10M-12M | 10                  | 12 | 7.9      | 18                        | 19 | 17.2 | 19.5 | 42.2 | 49.8 |
| DR-10M-15M | 10                  | 15 | 7.9      | 18                        | 19 | 17.2 | 19.5 | 43.7 | 51.3 |
| DR-10M-18M | 10                  | 18 | 7.9      | 19                        | 19 | 17.2 | 19.5 | 43.7 | 51.3 |
| DR-12M-6M  | 12                  | 6  | 4.6      | 22                        | 22 | 22.8 | 22.0 | 34.8 | 44.9 |
| DR-12M-10M | 12                  | 10 | 7.7      | 22                        | 22 | 22.8 | 22.0 | 36.6 | 46.7 |
| DR-12M-16M | 12                  | 16 | 9.5      | 22                        | 22 | 22.8 | 22.0 | 43.7 | 53.8 |
| DR-12M-18M | 12                  | 18 | 9.5      | 22                        | 22 | 22.8 | 22.0 | 43.7 | 53.8 |
| DR-12M-20M | 12                  | 20 | 9.5      | 22                        | 22 | 22.8 | 22.0 | 46.0 | 56.1 |
| DR-12M-22M | 12                  | 22 | 9.5      | 24                        | 22 | 22.8 | 22.0 | 46.0 | 56.1 |
| DR-12M-25M | 12                  | 25 | 9.5      | 27                        | 22 | 22.8 | 22.0 | 52.3 | 62.4 |
| DR-16M-12M | 16                  | 12 | 9.1      | 24                        | 25 | 24.4 | 22.0 | 42.9 | 53.0 |
| DR-18M-12M | 18                  | 12 | 9.1      | 27                        | 30 | 24.4 | 22.0 | 44.5 | 54.6 |
| DR-18M-16M | 18                  | 16 | 12.7     | 27                        | 30 | 24.4 | 22.0 | 46.0 | 56.1 |
| DR-18M-20M | 18                  | 20 | 15.1     | 27                        | 30 | 24.4 | 22.0 | 47.5 | 57.6 |
| DR-18M-22M | 18                  | 22 | 15.1     | 27                        | 30 | 24.4 | 22.0 | 47.5 | 57.6 |
| DR-18M-25M | 18                  | 25 | 15.1     | 27                        | 30 | 24.4 | 22.0 | 52.3 | 62.4 |
| DR-20M-16M | 20                  | 16 | 12.7     | 30                        | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DR-20M-18M | 20                  | 18 | 13.9     | 30                        | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DR-20M-22M | 20                  | 22 | 15.8     | 30                        | 32 | 26.0 | 22.0 | 49.3 | 59.4 |
| DR-20M-25M | 20                  | 25 | 15.8     | 30                        | 32 | 26.0 | 22.0 | 54.1 | 64.2 |
| DR-22M-18M | 22                  | 18 | 13.9     | 30                        | 32 | 26.0 | 22.0 | 47.8 | 57.9 |
| DR-22M-20M | 22                  | 20 | 15.1     | 30                        | 32 | 26.0 | 22.0 | 49.3 | 59.4 |
| DR-22M-25M | 22                  | 25 | 18.3     | 30                        | 32 | 26.0 | 22.0 | 54.1 | 64.2 |
| DR-25M-18M | 25                  | 18 | 13.9     | 35                        | 38 | 31.3 | 26.5 | 50.8 | 63.1 |
| DR-25M-20M | 25                  | 20 | 15.1     | 35                        | 38 | 31.3 | 26.5 | 52.3 | 64.6 |

# DAB

## Złącze proste przegrodowe z adaptorem

Wartości ciśnień dla złączki DAB znajdują się w tabeli nr 22 na stronie 14

Adaptor przegrodowy jest użyteczny przy ustawieniu kąta po przejściu przez panel konstrukcyjny



### Połączenie rury stalowej z stalowym portem Dk-Lok

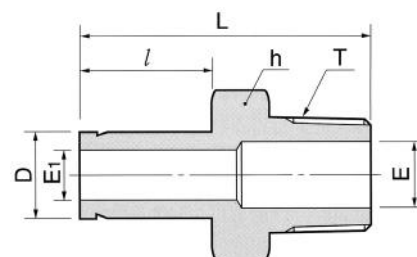
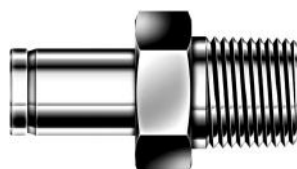
**DAB-....**

| Kod       | Śr. zewn. rury |       | E<br>min | Odległość powierzchni płaskich |       |       |       | A     | l      | l <sub>1</sub> | l <sub>1</sub> | L      | L <sub>1</sub> | Rozmiar otworu w panelu | Maks. grubość panelu |
|-----------|----------------|-------|----------|--------------------------------|-------|-------|-------|-------|--------|----------------|----------------|--------|----------------|-------------------------|----------------------|
|           | in             | mm    |          | h                              | H     | in    | mm    |       |        |                |                |        |                |                         |                      |
| DAB-2-2   | 1/8            | 3.17  | 2.03     | 1/2                            | 12.70 | 7/16  | 11.11 | 12.70 | 42.92  | 24.63          | 13.45          | 49.53  | 31.24          | 8.33                    | 12.70                |
| DAB-4-4   | 1/4            | 6.35  | 4.82     | 5/8                            | 15.87 | 9/16  | 14.28 | 15.24 | 48.51  | 26.16          | 15.74          | 55.88  | 33.52          | 11.50                   | 10.16                |
| DAB-6-6   | 3/8            | 9.52  | 7.11     | 3/4                            | 19.05 | 11/16 | 17.46 | 16.76 | 53.84  | 29.46          | 17.50          | 61.21  | 36.83          | 14.68                   | 11.17                |
| DAB-8-8   | 1/2            | 12.70 | 10.41    | 15/16                          | 23.81 | 7/8   | 22.22 | 22.86 | 62.73  | 31.75          | 23.11          | 72.89  | 41.91          | 19.44                   | 12.70                |
| DAB-10-10 | 5/8            | 15.87 | 12.70    | 1-1/16                         | 26.98 | 1     | 25.40 | 24.38 | 65.02  | 32.51          | 24.70          | 75.18  | 42.67          | 22.62                   | 12.70                |
| DAB-16-16 | 1              | 25.40 | 20.32    | 1-5/8                          | 41.28 | 1-1/2 | 38.10 | 31.24 | 88.13  | 45.21          | 31.70          | 100.33 | 57.40          | 33.73                   | 19.05                |
| DAB-20-20 | 1-1/4          | 31.75 | 27.68    | 1-7/8                          | 47.63 | 1-7/8 | 47.63 | 41.14 | 102.07 | 47.75          | 40.00          | 124.17 | 69.85          | 41.67                   | 19.05                |
| DAB-24-24 | 1-1/2          | 38.10 | 33.90    | 2-1/4                          | 57.15 | 2-1/4 | 57.15 | 50.03 | 118.33 | 49.27          | 51.50          | 145.51 | 76.45          | 49.61                   | 19.05                |
| DAB-32-32 | 2              | 50.80 | 45.97    | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 148.79 | 56.38          | 68.40          | 185.82 | 93.71          | 57.94                   | 19.05                |

## DAM-N

### Adaptor z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DAM-N znajdują się w tabeli nr 19 na stronie 12



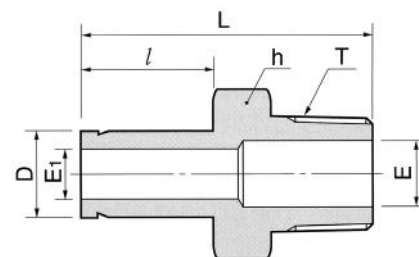
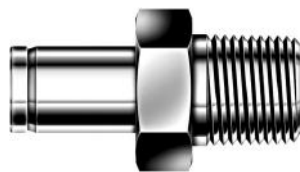
### Połączenie metrycznego portu Dk-Lok z wewnętrznym gwintem NPT

**DAM-...M-...N**

| Kod         | Śr. zewn. rury |  | T<br>NPT | E<br>min | E <sub>1</sub><br>min | Odl. pow. płaskich<br>h | l     | L    |
|-------------|----------------|--|----------|----------|-----------------------|-------------------------|-------|------|
|             | D              |  |          |          |                       |                         |       |      |
| DAM-3M-2N   | 3              |  | 1/8      | 4.0      | 1.8                   | 12                      | 13.15 | 29.4 |
| DAM-6M-2N   | 6              |  | 1/8      | 4.6      | 4.6                   | 12                      | 15.70 | 32.8 |
| DAM-6M-4N   | 6              |  | 1/4      | 4.6      | 4.6                   | 14                      | 15.70 | 38.1 |
| DAM-8M-4N   | 8              |  | 1/4      | 6.3      | 6.3                   | 14                      | 16.80 | 39.1 |
| DAM-10M-4N  | 10             |  | 1/4      | 7.7      | 7.7                   | 14                      | 17.50 | 39.9 |
| DAM-10M-6N  | 10             |  | 3/8      | 7.7      | 7.7                   | 17                      | 17.50 | 40.6 |
| DAM-10M-8N  | 10             |  | 1/2      | 11.9     | 7.7                   | 22                      | 17.50 | 45.2 |
| DAM-12M-4N  | 12             |  | 1/4      | 7.1      | 9.1                   | 14                      | 23.10 | 46.5 |
| DAM-12M-6N  | 12             |  | 3/8      | 9.1      | 9.1                   | 17                      | 23.10 | 46.5 |
| DAM-12M-8N  | 12             |  | 1/2      | 11.9     | 9.1                   | 22                      | 23.10 | 51.8 |
| DAM-18M-8N  | 18             |  | 1/2      | 11.9     | 13.9                  | 22                      | 24.60 | 53.2 |
| DAM-18M-12N | 18             |  | 3/4      | 15.9     | 13.9                  | 27                      | 24.60 | 53.2 |
| DAM-28M-16N | 28             |  | 1        | 22.2     | -                     | 35                      | 31.70 | 74.7 |
| DAM-28M-20N | 28             |  | 1-1/4    | 23.8     | -                     | 46                      | 31.70 | 76.2 |
| DAM-32M-20N | 32             |  | 1-1/4    | 27.4     | -                     | 46                      | 40.00 | 81.0 |
| DAM-38M-24N | 38             |  | 1-1/2    | 33.3     | -                     | 55                      | 51.50 | 92.2 |

## Adaptor z gwintem zewnętrznym NPT

Wartości ciśnień dla złączki DAM-N  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie stalowego portu Dk-Lok z wewnętrznym gwintem NPT

DAM-....-...N

| Kod        | Średnica zewn. rury |       | T     | E     | E <sub>1</sub> | Odl. powierzchni płaskich |       | l     | L      |
|------------|---------------------|-------|-------|-------|----------------|---------------------------|-------|-------|--------|
|            | in                  | mm    |       |       |                | in                        | mm    |       |        |
| DAM-2-2N   | 1/8                 | 3.17  | 1/8   | 4.57  | 1.77           | 7/16                      | 11.11 | 13.45 | 29.50  |
| DAM-2-4N   | 1/8                 | 3.17  | 1/4   | 7.11  | 1.77           | 9/16                      | 14.28 | 13.45 | 34.80  |
| DAM-3-2N   | 3/16                | 4.76  | 1/8   | 4.57  | 3.04           | 7/16                      | 11.11 | 14.20 | 30.22  |
| DAM-3-4N   | 3/16                | 4.76  | 1/4   | 7.11  | 3.04           | 9/16                      | 14.28 | 14.20 | 35.56  |
| DAM-4-2N   | 1/4                 | 6.35  | 1/8   | 4.57  | 4.57           | 7/16                      | 11.11 | 15.75 | 31.80  |
| DAM-4-4N   | 1/4                 | 6.35  | 1/4   | 7.11  | 4.57           | 9/16                      | 14.28 | 15.75 | 37.08  |
| DAM-4-6N   | 1/4                 | 6.35  | 3/8   | 10.41 | 4.57           | 11/16                     | 17.46 | 15.75 | 37.84  |
| DAM-4-8N   | 1/4                 | 6.35  | 1/2   | 12.70 | 4.57           | 7/8                       | 22.22 | 15.75 | 43.43  |
| DAM-5-2N   | 5/16                | 7.93  | 1/8   | 4.57  | 6.35           | 7/16                      | 11.11 | 16.80 | 32.76  |
| DAM-5-4N   | 5/16                | 7.93  | 1/4   | 7.11  | 6.35           | 9/16                      | 14.28 | 16.80 | 38.10  |
| DAM-6-2N   | 3/8                 | 9.52  | 1/8   | 4.57  | 7.11           | 7/16                      | 11.11 | 17.50 | 33.50  |
| DAM-6-4N   | 3/8                 | 9.52  | 1/4   | 7.11  | 7.11           | 9/16                      | 14.28 | 17.50 | 38.90  |
| DAM-6-6N   | 3/8                 | 9.52  | 3/8   | 10.41 | 7.11           | 11/16                     | 17.46 | 17.50 | 39.60  |
| DAM-6-8N   | 3/8                 | 9.52  | 1/2   | 12.70 | 7.11           | 7/8                       | 22.22 | 17.50 | 45.20  |
| DAM-8-4N   | 1/2                 | 12.70 | 1/4   | 7.11  | 9.90           | 9/16                      | 14.28 | 23.20 | 44.50  |
| DAM-8-6N   | 1/2                 | 12.70 | 3/8   | 10.41 | 9.90           | 11/16                     | 17.46 | 23.20 | 45.20  |
| DAM-8-8N   | 1/2                 | 12.70 | 1/2   | 12.70 | 9.90           | 7/8                       | 22.22 | 23.20 | 50.50  |
| DAM-10-6N  | 5/8                 | 15.87 | 3/8   | 10.41 | 12.70          | 11/16                     | 17.46 | 24.70 | 47.40  |
| DAM-10-8N  | 5/8                 | 15.87 | 1/2   | 12.70 | 12.70          | 7/8                       | 22.22 | 24.70 | 52.30  |
| DAM-10-12N | 5/8                 | 15.87 | 3/4   | 18.28 | 12.70          | 1-1/16                    | 26.98 | 24.70 | 52.30  |
| DAM-12-8N  | 3/4                 | 19.05 | 1/2   | 12.70 | 14.98          | 7/8                       | 22.22 | 24.70 | 52.30  |
| DAM-12-12N | 3/4                 | 19.05 | 3/4   | 18.28 | 14.98          | 1-1/16                    | 26.98 | 24.70 | 52.30  |
| DAM-12-16N | 3/4                 | 19.05 | 1     | 22.35 | 14.98          | 1-3/8                     | 34.92 | 24.70 | 57.91  |
| DAM-14-12N | 7/8                 | 22.22 | 3/4   | 18.28 | 17.27          | 1-1/16                    | 26.98 | 26.70 | 54.30  |
| DAM-16-12N | 1                   | 25.40 | 3/4   | 18.28 | 20.06          | 1-1/16                    | 26.98 | 31.70 | 58.70  |
| DAM-16-16N | 1                   | 25.40 | 1     | 22.35 | 20.06          | 1-3/8                     | 34.92 | 31.70 | 66.00  |
| DAM-20-20N | 1-1/4               | 31.75 | 1-1/4 | 27.68 | -              | 1-3/4                     | 44.45 | 40.00 | 80.26  |
| DAM-24-24N | 1-1/2               | 38.10 | 1-1/2 | 33.27 | -              | 2-1/8                     | 53.98 | 51.50 | 94.48  |
| DAM-32-32N | 2                   | 50.80 | 2     | 44.45 | -              | 2-3/4                     | 69.85 | 68.40 | 119.38 |

Adaptor Dk-Lok eliminuje problemy z ustawieniem kąta.

Jeżeli wymagane jest połączenie rury z gwint wewnętrznym skierowanym jak na rysunku 1, ustawienie kolanka po dokręceniu może być niewłaściwe (patrz rysunek 2). Aby uniknąć problemu użyj adaptora z gwintem zewnętrznym (rysunek 3 i 4).

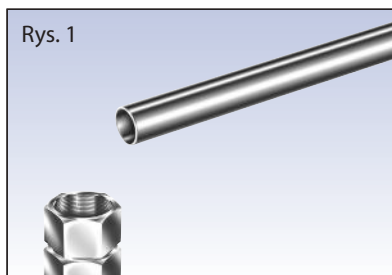
Instrukcja montażu.

1. Nałóż na końcówkę adaptora złącze z gniazdem Dk-Lok. Upewnij się, że końcówka adaptora doszła do końca gniazda wewnątrz korpusu.
2. Po wstępnym dokręceniu nakrętki w palcach wykonaj jeszcze 1 ¼ obrotu kluczem.  
Dla rurek 1/16" i 1/8" oraz 3 i 4 mm wykonaj tylko 3/4 obrotu.

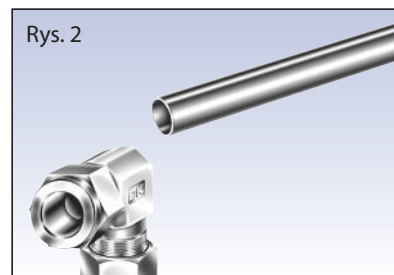
Uwaga:

W celu ponownego dokręcenia zapoznaj się z instrukcją powtórnego montażu.

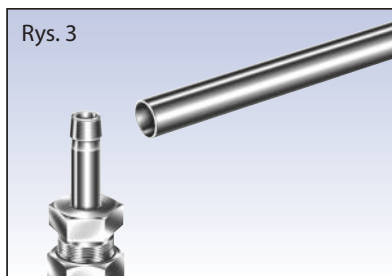
Rys. 1



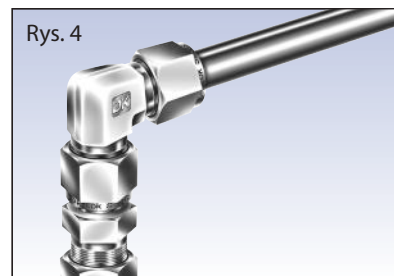
Rys. 2



Rys. 3



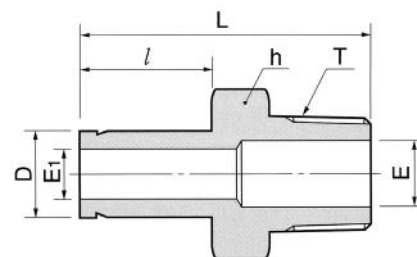
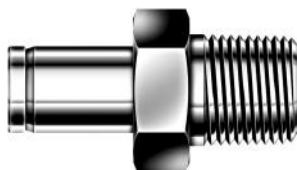
Rys. 4



# DAM-R

## Adaptor z gwintem zewnętrznym R

Wartości ciśnień dla złączki DAM-R  
znajdują się w tabeli nr 19 na stronie 12



### Połączenie stalowego portu Dk-Lok z wewnętrznym gwintem stożkowym ISO

**DAM-...-...R**

| Kod        | Średnica zewn. rury |       | T   | E     | E <sub>i</sub> | Odległość powierzchni płaskich |          | l     | L     |
|------------|---------------------|-------|-----|-------|----------------|--------------------------------|----------|-------|-------|
|            | D                   |       |     |       |                | h                              |          |       |       |
|            | in                  | mm    |     |       |                |                                | R (BSPT) |       |       |
| DAM-2-2R   | 1/8                 | 3.17  | 1/8 | 4.57  | 1.77           | 7/16                           | 11.11    | 13.45 | 29.50 |
| DAM-2-4R   | 1/8                 | 3.17  | 1/4 | 7.11  | 1.77           | 9/16                           | 14.28    | 13.45 | 34.80 |
| DAM-4-2R   | 1/4                 | 6.35  | 1/8 | 4.57  | 4.57           | 7/16                           | 11.11    | 15.75 | 31.80 |
| DAM-4-4R   | 1/4                 | 6.35  | 1/4 | 7.11  | 4.57           | 9/16                           | 14.28    | 15.75 | 37.08 |
| DAM-4-6R   | 1/4                 | 6.35  | 3/8 | 10.41 | 4.57           | 11/16                          | 17.46    | 15.75 | 37.84 |
| DAM-6-4R   | 3/8                 | 9.52  | 1/4 | 7.11  | 7.11           | 9/16                           | 14.28    | 17.50 | 38.90 |
| DAM-6-6R   | 3/8                 | 9.52  | 3/8 | 10.41 | 7.11           | 11/16                          | 17.46    | 17.50 | 39.60 |
| DAM-6-8R   | 3/8                 | 9.52  | 1/2 | 12.70 | 7.11           | 7/8                            | 22.22    | 17.50 | 45.20 |
| DAM-8-4R   | 1/2                 | 12.70 | 1/4 | 7.11  | 9.90           | 9/16                           | 14.28    | 23.10 | 44.50 |
| DAM-8-6R   | 1/2                 | 12.70 | 3/8 | 10.41 | 9.90           | 11/16                          | 17.46    | 23.10 | 45.20 |
| DAM-8-8R   | 1/2                 | 12.70 | 1/2 | 12.70 | 9.90           | 7/8                            | 22.22    | 23.10 | 50.50 |
| DAM-8-12R  | 1/2                 | 12.70 | 3/4 | 15.74 | 9.90           | 1-1/16                         | 26.98    | 23.10 | 50.70 |
| DAM-12-8R  | 3/4                 | 19.05 | 1/2 | 12.70 | 14.98          | 7/8                            | 22.22    | 24.70 | 52.30 |
| DAM-12-12R | 3/4                 | 19.05 | 3/4 | 14.98 | 14.98          | 1-1/16                         | 26.98    | 24.70 | 52.30 |

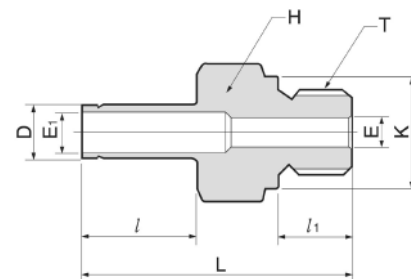
### Połączenie metrycznego portu Dk-Lok z wewnętrznym gwintem stożkowym ISO

**DAM-...M-...R**

| Kod         | Śr. zewn. rury | T<br>R (BSPT) | E<br>min | E <sub>1</sub> | Odl. pow. płaskich<br>h | l     | L    |
|-------------|----------------|---------------|----------|----------------|-------------------------|-------|------|
|             | D              |               |          |                |                         |       |      |
| DAM-3M-2R   | 3              | 1/8           | 4.0      | 1.8            | 12                      | 13.15 | 29.4 |
| DAM-6M-2R   | 6              | 1/8           | 4.6      | 4.6            | 12                      | 15.70 | 32.8 |
| DAM-6M-4R   | 6              | 1/4           | 4.6      | 4.6            | 14                      | 15.70 | 38.1 |
| DAM-8M-4R   | 8              | 1/4           | 6.3      | 6.3            | 14                      | 16.80 | 39.1 |
| DAM-10M-4R  | 10             | 1/4           | 7.7      | 7.7            | 14                      | 17.50 | 39.9 |
| DAM-10M-6R  | 10             | 3/8           | 7.7      | 7.7            | 17                      | 17.50 | 40.6 |
| DAM-10M-8R  | 10             | 1/2           | 11.9     | 7.7            | 22                      | 17.50 | 45.2 |
| DAM-12M-4R  | 12             | 1/4           | 7.1      | 9.1            | 14                      | 23.10 | 46.5 |
| DAM-12M-6R  | 12             | 3/8           | 9.1      | 9.1            | 17                      | 23.10 | 46.5 |
| DAM-12M-8R  | 12             | 1/2           | 11.9     | 9.1            | 22                      | 23.10 | 51.8 |
| DAM-18M-8R  | 18             | 1/2           | 11.9     | 13.9           | 22                      | 24.60 | 53.2 |
| DAM-18M-12R | 18             | 3/4           | 15.9     | 13.9           | 27                      | 24.60 | 53.2 |
| DAM-25M-16R | 25             | 1             | 19.8     | 19.8           | 35                      | 31.70 | 66.0 |
| DAM-28M-16R | 28             | 1             | 22.2     | -              | 35                      | 31.70 | 74.7 |
| DAM-28M-20R | 28             | 1-1/4         | 23.8     | -              | 46                      | 31.70 | 76.2 |
| DAM-30M-20R | 30             | 1-1/4         | 24.6     | -              | 46                      | 40.60 | 80.0 |
| DAM-32M-20R | 32             | 1-1/4         | 27.4     | -              | 46                      | 40.00 | 81.0 |
| DAM-38M-24R | 38             | 1-1/2         | 33.3     | -              | 55                      | 51.50 | 92.2 |

## Adaptor z gwintem zewnętrznym G (BSPP) pod uszczelką metalowo-gumową

Wartości ciśnień dla złączki DAM-G  
znajdują się w tabeli nr 18 na stronie 11



### Połączenie stalowego portu Dk-Lok z wewnętrznym gwintem równoległym ISO

DAM-...-...G

| Kod        | Średnica zewn. rury |       | T   | E     | E <sub>1</sub> | Odległość powierzchni płaskich |       | l     | l <sub>1</sub> | L     | K    |
|------------|---------------------|-------|-----|-------|----------------|--------------------------------|-------|-------|----------------|-------|------|
|            | D                   |       |     |       |                | h                              |       |       |                |       |      |
|            | in                  | mm    |     |       |                | G (BSPP)                       | min   |       |                |       |      |
| DAM-2-2G   | 1/8                 | 3.17  | 1/8 | 1.77  | 1.77           | 9/16                           | 14.28 | 13.45 | 7.10           | 40.0  | 13.8 |
| DAM-2-4G   | 1/8                 | 3.17  | 1/4 | 6.4   | 1.77           | 3/4                            | 19.05 | 13.45 | 11.2           | 35.8  | 18.0 |
| DAM-4-2G   | 1/4                 | 6.35  | 1/8 | 4.57  | 4.57           | 9/16                           | 14.28 | 15.75 | 7.10           | 33.27 | 13.8 |
| DAM-4-4G   | 1/4                 | 6.35  | 1/4 | 4.57  | 4.57           | 3/4                            | 19.05 | 15.75 | 11.2           | 38.1  | 18.0 |
| DAM-6-4G   | 3/8                 | 9.52  | 1/4 | 5.9   | 7.1            | 3/4                            | 19.05 | 17.50 | 11.2           | 39.8  | 18.0 |
| DAM-6-6G   | 3/8                 | 9.52  | 3/8 | 7.11  | 7.11           | 7/8                            | 22.22 | 17.5  | 11.2           | 40.64 | 21.8 |
| DAM-8-4G   | 1/2                 | 12.70 | 1/4 | 5.9   | 9.9            | 3/4                            | 19.05 | 23.1  | 11.2           | 45.5  | 18.0 |
| DAM-8-6G   | 1/2                 | 12.70 | 3/8 | 7.9   | 9.9            | 7/8                            | 22.22 | 23.1  | 11.2           | 46.2  | 21.8 |
| DAM-8-8G   | 1/2                 | 12.70 | 1/2 | 11.9  | 9.9            | 1-1/16                         | 26.98 | 23.1  | 14.2           | 49.3  | 26.0 |
| DAM-12-12G | 3/4                 | 19.05 | 3/4 | 14.98 | 14.98          | 1-5/16                         | 33.33 | 24.7  | 15.7           | 54.86 | 32.0 |
| DAM-16-16G | 1                   | 25.40 | 1   | 20.06 | 20.06          | 1-5/8                          | 41.28 | 31.7  | 18.3           | 64.5  | 39.0 |

### Połączenie metrycznego portu Dk-Lok z wewnętrznym gwintem równoległym ISO

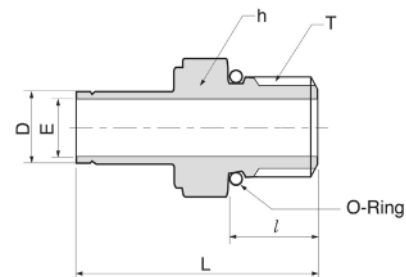
DAM-...M-...G

| Kod         | Śr. zewn. rury | T        | E    | E <sub>1</sub> | Odległość powierzchni płaskich | l     | l <sub>1</sub> | L    | K    |
|-------------|----------------|----------|------|----------------|--------------------------------|-------|----------------|------|------|
|             | D              | G (BSPP) | min  |                |                                |       |                |      |      |
| DAM-6M-2G   | 6              | 1/8      | 4.6  | 4.6            | 14                             | 15.7  | 7.1            | 34.3 | 13.8 |
| DAM-6M-4G   | 6              | 1/4      | 4.6  | 4.6            | 19                             | 15.7  | 11.2           | 39.1 | 18.0 |
| DAM-8M-4G   | 8              | 1/4      | 5.9  | 5.9            | 19                             | 16.8  | 11.2           | 40.1 | 18.0 |
| DAM-10M-4G  | 10             | 1/4      | 5.9  | 7.7            | 19                             | 17.5  | 11.2           | 40.9 | 18.0 |
| DAM-10M-6G  | 10             | 3/8      | 7.7  | 7.7            | 22                             | 17.5  | 11.2           | 41.7 | 21.8 |
| DAM-10M-8G  | 10             | 1/2      | 7.7  | 7.7            | 27                             | 17.5  | 14.2           | 44.7 | 26.0 |
| DAM-12M-4G  | 12             | 1/4      | 5.9  | 9.1            | 19                             | 23.1  | 11.2           | 46.7 | 18.0 |
| DAM-12M-6G  | 12             | 3/8      | 7.9  | 9.1            | 22                             | 23.1  | 11.2           | 47.2 | 21.8 |
| DAM-12M-8G  | 12             | 1/2      | 9.1  | 9.1            | 27                             | 23.1  | 14.2           | 50.5 | 26.0 |
| DAM-18M-8G  | 18             | 1/2      | 11.9 | 13.9           | 27                             | 24.6  | 14.2           | 52.1 | 26.0 |
| DAM-18M-12G | 18             | 3/4      | 15.9 | 13.9           | 35                             | 24.6  | 15.7           | 56.1 | 32.0 |
| DAM-22M-12G | 22             | 3/4      | 15.9 | 18.3           | 35                             | 26.6  | 15.7           | 57.4 | 32.0 |
| DAM-25M-16G | 25             | 1        | 19.8 | 19.8           | 41                             | 31.7  | 18.3           | 67.1 | 39.0 |
| DAM-28M-16G | 28             | 1        | 19.8 | 22.2           | 41                             | 37.5  | 18.3           | 72.9 | 39.0 |
| DAM-28M-20G | 28             | 1-1/4    | 23.8 | 23.8           | 50                             | 37.5  | 19.8           | 77.0 | 49.0 |
| DAM-30M-20G | 30             | 1-1/4    | 24.6 | 24.6           | 50                             | 40.66 | 19.8           | 80.8 | 49.0 |
| DAM-32M-20G | 32             | 1-1/4    | 25.0 | 25.0           | 50                             | 40.0  | 19.8           | 81.8 | 49.0 |
| DAM-38M-24G | 38             | 1-1/2    | 31.8 | 31.8           | 55                             | 50.4  | 22.1           | 94.5 | 54.7 |

# DAM-U

## Adaptor z gwintem zewnętrznym SAE i o-ringiem

Wartości ciśnień dla złączki DAM-U znajdują się w tabeli nr 20 na stronie 13



### Połączenie stalowego portu Dk-Lok z wewnętrznym gwintem SAE typu boss

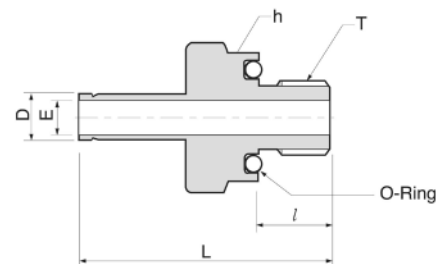
**DAM-...-...U**

| Kod        | Średnica zewn. rury |       | T<br>U    | E<br>min | Odległość pow. płaskich |       | l     | L     | Oznaczenie wielkości o-ringu |
|------------|---------------------|-------|-----------|----------|-------------------------|-------|-------|-------|------------------------------|
|            | in                  | mm    |           |          | in                      | mm    |       |       |                              |
| DAM-2-2U   | 1/8                 | 3.17  | 5/16-24   | 2.03     | 7/16                    | 11.11 | 7.62  | 30.48 | -902                         |
| DAM-4-4U   | 1/4                 | 6.35  | 7/16-20   | 4.31     | 9/16                    | 14.28 | 9.14  | 35.30 | -904                         |
| DAM-6-4U   | 3/8                 | 9.52  | 7/16-20   | 5.08     | 9/16                    | 14.28 | 9.14  | 37.08 | -904                         |
| DAM-6-6U   | 3/8                 | 9.52  | 9/16-18   | 6.85     | 11/16                   | 17.46 | 9.90  | 38.60 | -906                         |
| DAM-6-8U   | 3/8                 | 9.52  | 3/4-16    | 6.85     | 7/8                     | 22.22 | 11.17 | 40.64 | -908                         |
| DAM-8-6U   | 1/2                 | 12.70 | 9/16-18   | 7.11     | 11/16                   | 17.46 | 9.90  | 44.20 | -906                         |
| DAM-8-8U   | 1/2                 | 12.70 | 3/4-16    | 9.9      | 7/8                     | 22.22 | 11.17 | 46.22 | -908                         |
| DAM-12-12U | 3/4                 | 19.05 | 1-1/16-12 | 14.98    | 1-1/4                   | 31.75 | 14.98 | 53.34 | -912                         |
| DAM-16-16U | 1                   | 25.4  | 1-5/16-12 | 20.31    | 1-1/2                   | 38.1  | 14.98 | 61.21 | -916                         |

# DAM-UO

## Adaptor z gwintem zewnętrznym SAE i o-ringiem wpuszczanym

Wartości ciśnień dla złączki DAM-UO znajdują się w tabeli nr 20 na stronie 13



### Połączenie stalowego portu Dk-Lok z wewnętrznym gwintem SAE typu boss

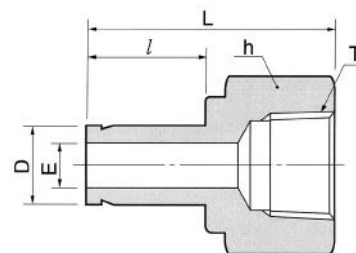
**DAM-...-...UO**

| Kod       | Średnica zewn. rury |      | T<br>U  | E<br>min | Odległość pow. płaskich |       | l     | L     | Oznaczenie wielkości o-ringu |
|-----------|---------------------|------|---------|----------|-------------------------|-------|-------|-------|------------------------------|
|           | in                  | mm   |         |          | in                      | mm    |       |       |                              |
| DAM-2-2UO | 1/8                 | 3.17 | 5/16-24 | 2.03     | 9/16                    | 14.28 | 8.63  | 32.51 | -011                         |
| DAM-3-3UO | 3/16                | 4.76 | 3/8-24  | 3.05     | 5/8                     | 15.87 | 9.65  | 35.05 | -012                         |
| DAM-4-4UO | 1/4                 | 6.35 | 7/16-20 | 4.32     | 3/4                     | 19.05 | 10.41 | 39.11 | -013                         |
| DAM-5-5UO | 5/16                | 7.93 | 1/2-20  | 5.59     | 7/8                     | 22.22 | 11.17 | 41.65 | -112                         |
| DAM-6-6UO | 3/8                 | 9.52 | 9/16-18 | 6.85     | 15/16                   | 23.81 | 11.93 | 43.18 | -113                         |
| DAM-8-8UO | 1/2                 | 12.7 | 3/4-16  | 9.40     | 1-1/8                   | 28.57 | 11.93 | 49.53 | -116                         |



## Adaptor z gwintem wewnętrznym NPT

Wartości ciśnień dla złączki DAF-N  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie stalowego portu Dk-Lok z zewnętrznym gwintem NPT

DAF-....-...N

| Kod        | Średnica zewn. rury |       | T     | E     | Odległość pow. płaskich |       | l     | L      |
|------------|---------------------|-------|-------|-------|-------------------------|-------|-------|--------|
|            | D                   |       |       |       | h                       |       |       |        |
|            | in                  | mm    | NPT   | min   | in                      | mm    |       |        |
| DAF-2-2N   | 1/8                 | 3.17  | 1/8   | 1.77  | 9/16                    | 14.28 | 13.45 | 31.50  |
| DAF-2-4N   | 1/8                 | 3.17  | 1/4   | 1.77  | 3/4                     | 19.05 | 13.45 | 35.30  |
| DAF-3-2N   | 3/16                | 4.76  | 1/8   | 3.04  | 9/16                    | 14.28 | 14.20 | 32.00  |
| DAF-3-4N   | 3/16                | 4.76  | 1/4   | 3.04  | 3/4                     | 19.05 | 14.20 | 35.81  |
| DAF-4-2N   | 1/4                 | 6.35  | 1/8   | 4.57  | 9/16                    | 14.28 | 15.75 | 33.02  |
| DAF-4-4N   | 1/4                 | 6.35  | 1/4   | 4.57  | 3/4                     | 19.05 | 15.75 | 37.10  |
| DAF-4-6N   | 1/4                 | 6.35  | 3/8   | 4.57  | 7/8                     | 22.22 | 15.75 | 39.37  |
| DAF-4-8N   | 1/4                 | 6.35  | 1/2   | 4.57  | 1-1/16                  | 26.98 | 15.75 | 45.50  |
| DAF-5-2N   | 5/16                | 7.93  | 1/8   | 6.35  | 9/16                    | 14.28 | 16.80 | 34.29  |
| DAF-5-4N   | 5/16                | 7.93  | 1/4   | 6.35  | 3/4                     | 19.05 | 16.80 | 37.59  |
| DAF-6-2N   | 3/8                 | 9.52  | 1/8   | 7.11  | 9/16                    | 14.28 | 17.50 | 34.29  |
| DAF-6-4N   | 3/8                 | 9.52  | 1/4   | 7.11  | 3/4                     | 19.05 | 17.50 | 38.10  |
| DAF-6-6N   | 3/8                 | 9.52  | 3/8   | 7.11  | 7/8                     | 22.22 | 17.50 | 40.38  |
| DAF-6-8N   | 3/8                 | 9.52  | 1/2   | 7.11  | 1-1/16                  | 26.98 | 17.50 | 46.73  |
| DAF-8-4N   | 1/2                 | 12.70 | 1/4   | 9.90  | 3/4                     | 19.05 | 23.20 | 43.43  |
| DAF-8-6N   | 1/2                 | 12.70 | 3/8   | 9.90  | 7/8                     | 22.22 | 23.20 | 45.46  |
| DAF-8-8N   | 1/2                 | 12.70 | 1/2   | 9.90  | 1-1/16                  | 26.98 | 23.20 | 51.80  |
| DAF-10-6N  | 5/8                 | 15.87 | 3/8   | 12.70 | 7/8                     | 22.22 | 24.70 | 48.26  |
| DAF-10-8N  | 5/8                 | 15.87 | 1/2   | 12.70 | 1-1/16                  | 26.98 | 24.70 | 53.84  |
| DAF-10-12N | 5/8                 | 15.87 | 3/4   | 12.70 | 1-5/16                  | 33.33 | 24.70 | 55.37  |
| DAF-12-8N  | 3/4                 | 19.05 | 1/2   | 14.98 | 1-1/16                  | 26.98 | 24.70 | 52.83  |
| DAF-12-12N | 3/4                 | 19.05 | 3/4   | 14.98 | 1-5/16                  | 33.33 | 24.70 | 54.86  |
| DAF-12-16N | 3/4                 | 19.05 | 1     | 14.98 | 1-5/8                   | 41.27 | 24.70 | 58.42  |
| DAF-14-12N | 7/8                 | 22.22 | 3/4   | 17.27 | 1-5/16                  | 33.33 | 26.70 | 57.15  |
| DAF-16-12N | 1                   | 25.40 | 3/4   | 20.06 | 1-5/16                  | 33.33 | 31.70 | 60.70  |
| DAF-16-16N | 1                   | 25.40 | 1     | 20.06 | 1-5/8                   | 41.27 | 31.70 | 64.26  |
| DAF-20-20N | 1-1/4               | 31.75 | 1-1/4 | 27.68 | 2-1/8                   | 53.98 | 40.00 | 77.72  |
| DAF-24-24N | 1-1/2               | 38.10 | 1-1/2 | 33.27 | 2-3/8                   | 60.33 | 51.50 | 88.90  |
| DAF-32-32N | 2                   | 50.80 | 2     | 44.45 | 2-7/8                   | 73.03 | 68.40 | 107.44 |

### Połączenie metrycznego portu Dk-Lok z zewnętrznym gwintem NPT

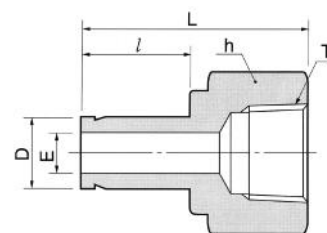
DAF-...M-...N

| Kod        | Śr. zewn. rury |  | T   | E   | Odl. pow. płaskich |  | l     | L     |
|------------|----------------|--|-----|-----|--------------------|--|-------|-------|
|            | D              |  |     |     | h                  |  |       |       |
|            |                |  | NPT | min |                    |  |       |       |
| DAF-6M-2N  | 6              |  | 1/8 | 4.6 | 14                 |  | 15.70 | 32.50 |
| DAF-6M-4N  | 6              |  | 1/4 | 4.6 | 19                 |  | 15.70 | 37.10 |
| DAF-8M-4N  | 8              |  | 1/4 | 6.3 | 19                 |  | 16.80 | 37.60 |
| DAF-10M-4N | 10             |  | 1/4 | 7.7 | 19                 |  | 17.50 | 38.10 |
| DAF-10M-6N | 10             |  | 3/8 | 7.7 | 22                 |  | 17.50 | 40.10 |
| DAF-10M-8N | 10             |  | 1/2 | 7.7 | 27                 |  | 17.50 | 46.50 |
| DAF-12M-4N | 12             |  | 1/4 | 9.1 | 19                 |  | 23.10 | 43.70 |
| DAF-12M-6N | 12             |  | 3/8 | 9.1 | 22                 |  | 23.10 | 46.00 |
| DAF-12M-8N | 12             |  | 1/2 | 9.1 | 27                 |  | 23.10 | 52.30 |

# DAF-R

## Adaptor z gwintem wewnętrznym R (BSPT)

Wartości ciśnień dla złączki DAF-R  
znajdują się w tabeli nr 21 na stronie 13



### Połączenie stalowego portu Dk-Lok z zewnętrznym gwintem stożkowym ISO

**DAF-....R**

| Kod        | Średnica zewn. rury |       | T   | E     | Odległość pow. płaskich |       | l     | L     |
|------------|---------------------|-------|-----|-------|-------------------------|-------|-------|-------|
|            | in                  | mm    |     |       | h                       | mm    |       |       |
| DAF-4-2R   | 1/4                 | 6.35  | 1/8 | 4.57  | 9/16                    | 14.28 | 15.75 | 33.02 |
| DAF-4-4R   | 1/4                 | 6.35  | 1/4 | 4.57  | 3/4                     | 19.05 | 15.75 | 37.10 |
| DAF-6-4R   | 3/8                 | 9.52  | 1/4 | 7.11  | 3/4                     | 19.05 | 17.50 | 38.10 |
| DAF-6-6R   | 3/8                 | 9.52  | 3/8 | 7.11  | 7/8                     | 22.22 | 17.50 | 40.38 |
| DAF-8-4R   | 1/2                 | 12.70 | 1/4 | 9.90  | 3/4                     | 19.05 | 23.20 | 43.43 |
| DAF-8-6R   | 1/2                 | 12.70 | 3/8 | 9.90  | 7/8                     | 22.22 | 23.20 | 45.46 |
| DAF-8-8R   | 1/2                 | 12.70 | 1/2 | 9.90  | 1-1/16                  | 26.98 | 23.20 | 51.80 |
| DAF-10-8R  | 5/8                 | 15.87 | 1/2 | 12.70 | 1-1/16                  | 26.98 | 24.70 | 53.84 |
| DAF-12-8R  | 3/4                 | 19.05 | 1/2 | 14.98 | 1-1/16                  | 26.98 | 24.70 | 52.83 |
| DAF-12-12R | 3/4                 | 19.05 | 3/4 | 14.98 | 1-5/16                  | 33.33 | 24.70 | 54.86 |
| DAF-16-16R | 1                   | 25.40 | 1   | 20.06 | 1-5/8                   | 41.27 | 31.70 | 64.26 |

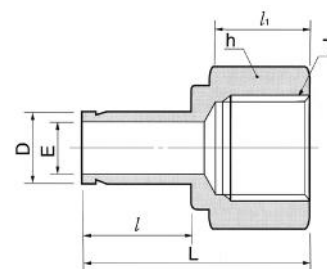
### Połączenie metrycznego portu Dk-Lok z zewnętrznym gwintem stożkowym ISO

**DAF-...M-...R**

| Kod        | Śr. zewn. rury |    | T   | E   | Odl. pow. płaskich |    | l     | L     |
|------------|----------------|----|-----|-----|--------------------|----|-------|-------|
|            | D              | mm |     |     | h                  | mm |       |       |
| DAF-6M-2R  | 6              |    | 1/8 | 4.6 | 14                 |    | 15.70 | 32.50 |
| DAF-6M-4R  | 6              |    | 1/4 | 4.6 | 19                 |    | 15.70 | 37.10 |
| DAF-8M-4R  | 8              |    | 1/4 | 6.3 | 19                 |    | 16.80 | 37.60 |
| DAF-10M-4R | 10             |    | 1/4 | 7.7 | 19                 |    | 17.50 | 38.10 |
| DAF-10M-6R | 10             |    | 3/8 | 7.7 | 22                 |    | 17.50 | 40.10 |
| DAF-12M-4R | 12             |    | 1/4 | 9.1 | 19                 |    | 23.10 | 43.70 |
| DAF-12M-6R | 12             |    | 3/8 | 9.1 | 22                 |    | 23.10 | 46.00 |
| DAF-12M-8R | 12             |    | 1/2 | 9.1 | 27                 |    | 23.10 | 52.30 |

# DAF-GR

## Adaptor z gwintem wewnętrznym G (BSPP)



### Połączenie stalowego portu Dk-Lok z zewnętrznym gwintem równoległym ISO

**DAF-....GR**

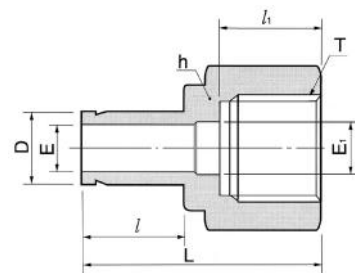
| Kod       | Średnica zewn. rury |       | T   | E    | Odległość pow. płaskich |       | l     | l <sub>1</sub> | L     |
|-----------|---------------------|-------|-----|------|-------------------------|-------|-------|----------------|-------|
|           | in                  | mm    |     |      | h                       | mm    |       |                |       |
| DAF-4-2GR | 1/4                 | 6.35  | 1/8 | 4.57 | 9/16                    | 14.28 | 15.75 | 13.0           | 31.75 |
| DAF-4-4GR | 1/4                 | 6.35  | 1/4 | 4.57 | 3/4                     | 19.05 | 15.75 | 18.5           | 38.10 |
| DAF-6-4GR | 3/8                 | 9.52  | 1/4 | 7.11 | 3/4                     | 19.05 | 17.50 | 18.5           | 39.40 |
| DAF-6-6GR | 3/8                 | 9.52  | 3/8 | 7.11 | 7/8                     | 22.22 | 17.50 | 18.5           | 39.90 |
| DAF-8-8GR | 1/2                 | 12.70 | 1/2 | 9.90 | 1-1/16                  | 26.98 | 23.20 | 22.1           | 49.50 |

### Połączenie metrycznego portu Dk-Lok z zewnętrznym gwintem równoległym ISO

**DAF-...M-...GR**

| Kod         | Śr. zewn. rury |    | T   | E   | Odl. pow. płaskich |    | l     | l <sub>1</sub> | L     |
|-------------|----------------|----|-----|-----|--------------------|----|-------|----------------|-------|
|             | D              | mm |     |     | h                  | mm |       |                |       |
| DAF-6M-2GR  | 6              |    | 1/8 | 4.6 | 14                 |    | 15.70 | 13.0           | 32.50 |
| DAF-6M-4GR  | 6              |    | 1/4 | 4.6 | 19                 |    | 15.70 | 18.5           | 37.10 |
| DAF-12M-8GR | 12             |    | 1/2 | 9.1 | 27                 |    | 23.10 | 22.1           | 49.50 |

## Adaptor z gwintem wewnętrznym manometrycznym G (BSPP)



### Połączenie stalowego portu Dk-Lok z manometrem (o zewnętrznym gwincie równoległym ISO)

DAF-...-...GG

| Kod       | Średnica zewn. rury |      | T<br>G (BSPP) | E<br>min | E <sub>1</sub> | Odległość pow. płaskich |       | l     | l <sub>1</sub> | L     |
|-----------|---------------------|------|---------------|----------|----------------|-------------------------|-------|-------|----------------|-------|
|           | in                  | mm   |               |          |                | in                      | mm    |       |                |       |
| DAF-4-2GG | 1/4                 | 6.35 | 1/8           | 4.57     | 4.57           | 9/16                    | 14.28 | 15.75 | 12.0           | 32.00 |
| DAF-4-4GG | 1/4                 | 6.35 | 1/4           | 4.57     | 5.5            | 3/4                     | 19.05 | 15.75 | 12.9           | 35.30 |
| DAF-6-6GG | 3/8                 | 9.52 | 3/8           | 6.60     | 6.5            | 15/16                   | 23.81 | 17.50 | 14.1           | 39.37 |
| DAF-8-8GG | 1/2                 | 12.7 | 1/2           | 7.11     | 7.0            | 1-1/16                  | 26.98 | 23.20 | 18.9           | 45.72 |

### Połączenie metrycznego portu Dk-Lok z manometrem (o zewnętrznym gwincie równoległym ISO)

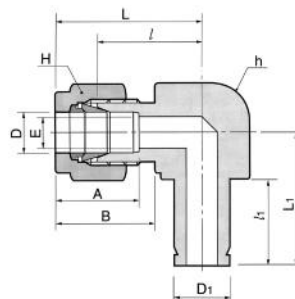
DAF-...M-...GG

| Kod         | Śr. zewn. rury | T        | E    | E <sub>1</sub> | Odl. pow. płaskich | <i>l</i> | <i>l</i> <sub>1</sub> | L    |
|-------------|----------------|----------|------|----------------|--------------------|----------|-----------------------|------|
|             | D              | G (BSPP) | min  |                | h                  |          |                       |      |
| DAF-6M-2GG  | 6M             | 1/8      | 4.0  | 4.0            | 14                 | 15.7     | 12.0                  | 32.0 |
| DAF-6M-4GG  | 6M             | 1/4      | 4.0  | 5.5            | 19                 | 15.7     | 13.0                  | 35.3 |
| DAF-6M-6GG  | 6M             | 3/8      | 4.0  | 6.5            | 24                 | 15.7     | 14.22                 | 38.4 |
| DAF-6M-8GG  | 6M             | 1/2      | 4.0  | 7.0            | 27                 | 15.7     | 18.9                  | 42.9 |
| DAF-8M-4GG  | 8M             | 1/4      | 5.6  | 5.5            | 19                 | 16.8     | 13.0                  | 33.0 |
| DAF-8M-6GG  | 8M             | 3/8      | 5.6  | 6.5            | 24                 | 16.8     | 14.22                 | 39.3 |
| DAF-8M-8GG  | 8M             | 1/2      | 5.6  | 7.0            | 27                 | 16.8     | 18.9                  | 43.7 |
| DAF-10M-4GG | 10M            | 1/4      | 7.7  | 5.5            | 19                 | 17.5     | 13.0                  | 34.5 |
| DAF-10M-6GG | 10M            | 3/8      | 7.7  | 6.5            | 24                 | 17.5     | 14.22                 | 39.3 |
| DAF-10M-8GG | 10M            | 1/2      | 7.7  | 7.0            | 27                 | 17.5     | 18.9                  | 40.1 |
| DAF-12M-4GG | 12M            | 1/4      | 9.1  | 5.5            | 19                 | 23.1     | 13.0                  | 40.1 |
| DAF-12M-6GG | 12M            | 3/8      | 9.1  | 6.5            | 24                 | 23.1     | 14.22                 | 44.9 |
| DAF-12M-8GG | 12M            | 1/2      | 9.1  | 7.0            | 27                 | 23.1     | 18.9                  | 48.8 |
| DAF-15M-8GG | 15M            | 1/2      | 12.0 | 7.0            | 27                 | 24.65    | 18.9                  | 49.0 |
| DAF-16M-8GG | 16M            | 1/2      | 12.0 | 7.0            | 27                 | 24.6     | 18.9                  | 49.0 |
| DAF-18M-8GG | 18M            | 1/2      | 13.9 | 7.0            | 27                 | 24.9     | 18.9                  | 49.3 |
| DAF-22M-8GG | 22M            | 1/2      | 18.3 | 7.0            | 27                 | 26.6     | 18.9                  | 52.0 |
| DAF-25M-8GG | 25M            | 1/2      | 19.8 | 7.0            | 30                 | 31.7     | 18.9                  | 56.1 |

## DLA

## Złącze kolankowe z adaptorem

Wartości ciśnień dla złączki DLA  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rury metrycznej z metrycznym portem Dk-Lok

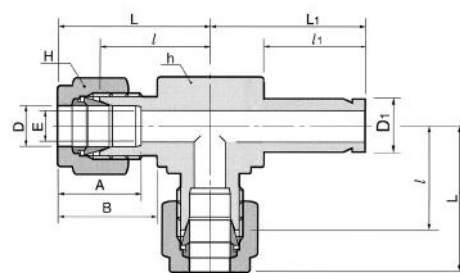
DLA-...M

| Kod     | Śr. zewn. rury | D <sub>1</sub> | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    | L <sub>1</sub> |
|---------|----------------|----------------|----------|--------------------|----|------|------|------|----------------|------|----------------|
|         | D              |                |          | h                  | H  |      |      |      |                |      |                |
| DLA-6M  | 6              | 6              | 4.6      | 12.7               | 14 | 15.3 | 17.7 | 19.6 | 15.7           | 27.0 | 25.0           |
| DLA-8M  | 8              | 8              | 6.4      | 15.8               | 16 | 16.2 | 18.6 | 21.3 | 16.8           | 28.8 | 27.05          |
| DLA-10M | 10             | 10             | 7.7      | 17.4               | 19 | 17.2 | 19.5 | 23.9 | 17.5           | 31.5 | 30.0           |
| DLA-12M | 12             | 12             | 9.1      | 20.6               | 22 | 22.8 | 22.0 | 25.9 | 23.1           | 36.0 | 37.3           |
| DLA-14M | 14             | 14             | 11.1     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 24.6           | 38.8 | 41.5           |
| DLA-15M | 15             | 15             | 11.9     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 24.65          | 38.8 | 41.55          |
| DLA-16M | 16             | 16             | 12.7     | 25.4               | 25 | 24.4 | 22.0 | 28.7 | 24.6           | 38.8 | 41.5           |
| DLA-18M | 18             | 18             | 13.9     | 26.9               | 30 | 24.4 | 22.0 | 29.7 | 24.6           | 39.8 | 42.5           |
| DLA-20M | 20             | 20             | 15.1     | 31.8               | 32 | 26.0 | 22.0 | 32.5 | 26.2           | 42.6 | 47.0           |
| DLA-22M | 22             | 22             | 18.3     | 31.8               | 32 | 26.0 | 22.0 | 32.5 | 26.6           | 42.6 | 47.15          |
| DLA-25M | 25             | 25             | 19.8     | 34.9               | 38 | 31.3 | 26.5 | 36.8 | 31.7           | 49.1 | 55.2           |
| DLA-28M | 28             | 28             | 21.8     | 41.0               | 46 | 36.6 | 36.6 | 43.2 | 37.5           | 64.0 | 64.9           |

## DTRA

## Złącze typu TL z adaptorem

Wartości ciśnień dla złączki DTRA  
znajdują się w tabeli nr 22 na stronie 14



## Połączenie rur metrycznych z metrycznym portem Dk-Lok

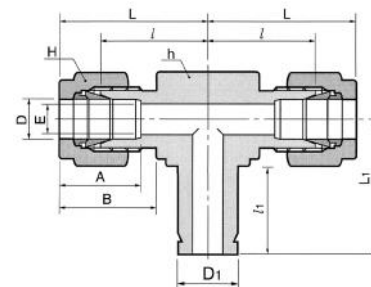
DTRA-...M

| Kod      | Śr. zewn. rury | D <sub>1</sub> | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    | L <sub>1</sub> |
|----------|----------------|----------------|----------|--------------------|----|------|------|------|----------------|------|----------------|
|          | D              |                |          | h                  | H  |      |      |      |                |      |                |
| DTRA-8M  | 8              | 8              | 6.4      | 15.8               | 16 | 16.2 | 18.6 | 21.3 | 16.8           | 28.8 | 27.5           |
| DTRA-10M | 10             | 10             | 7.9      | 17.4               | 19 | 17.2 | 19.5 | 23.9 | 17.5           | 31.5 | 30.0           |

## DTBA

## Złącze typu T z adaptorem

Wartości ciśnień dla złączki DTBA  
znajdują się w tabeli nr 22 na stronie 14

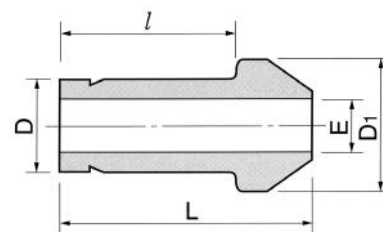


## Połączenie rur metrycznych z metrycznym portem Dk-Lok

DTBA-...M

| Kod     | Śr. zewn. rury | D <sub>1</sub> | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    | L <sub>1</sub> |
|---------|----------------|----------------|----------|--------------------|----|------|------|------|----------------|------|----------------|
|         | D              |                |          | h                  | H  |      |      |      |                |      |                |
| DTBA-8M | 8              | 8              | 6.4      | 15.8               | 16 | 16.2 | 18.6 | 21.3 | 16.8           | 28.8 | 27.5           |

Wartości ciśnień dla złączki DCP  
znajdują się w tabeli nr 22 na stronie 14



### Połączenie dwóch stalowych portów Dk-Lok DCP-...

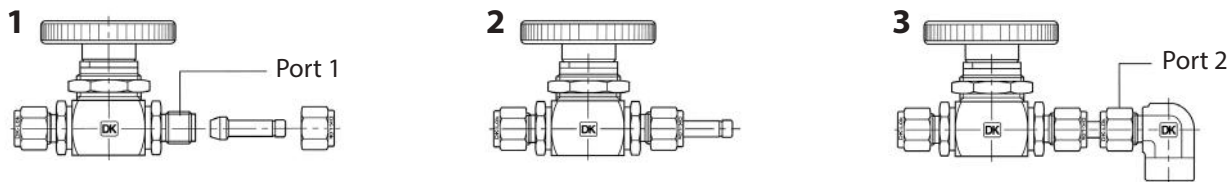
| Kod    | Śr. zew. rury<br>D |       | E<br>min | D <sub>1</sub> | l     | L     |
|--------|--------------------|-------|----------|----------------|-------|-------|
|        | in                 | mm    |          |                |       |       |
| DCP-1  | 1/16               | 1.59  | 1.00     | 3.30           | 10.66 | 13.72 |
| DCP-2  | 1/8                | 3.17  | 1.77     | 6.09           | 15.75 | 22.35 |
| DCP-4  | 1/4                | 6.35  | 4.57     | 9.39           | 18.79 | 24.64 |
| DCP-5  | 5/16               | 7.93  | 6.35     | 10.92          | 20.06 | 25.90 |
| DCP-6  | 3/8                | 9.52  | 7.11     | 12.70          | 20.32 | 26.16 |
| DCP-8  | 1/2                | 12.70 | 9.90     | 15.74          | 25.90 | 35.81 |
| DCP-12 | 3/4                | 19.05 | 14.98    | 22.09          | 27.68 | 37.33 |
| DCP-16 | 1                  | 25.40 | 20.06    | 28.44          | 34.54 | 48.00 |

### Połączenie dwóch metrycznych portów Dk-Lok DCP-...M

| Kod     | Śr. zew. rury<br>D | E<br>min | D <sub>1</sub> | l     | L     |
|---------|--------------------|----------|----------------|-------|-------|
| DCP-3M  | 3                  | 2.1      | 6.0            | 15.70 | 22.20 |
| DCP-4M  | 4                  | 2.2      | 7.0            | 16.67 | 25.81 |
| DCP-6M  | 6                  | 4.4      | 9.0            | 18.70 | 24.60 |
| DCP-8M  | 8                  | 6.2      | 11.0           | 20.00 | 25.90 |
| DCP-10M | 10                 | 8.2      | 13.1           | 20.20 | 26.10 |
| DCP-12M | 12                 | 9.1      | 15.0           | 26.00 | 35.80 |
| DCP-15M | 15                 | 12.7     | 19.0           | 27.78 | 37.40 |
| DCP-16M | 16                 | 12.7     | 19.0           | 27.60 | 37.40 |
| DCP-18M | 18                 | 13.9     | 21.0           | 27.91 | 37.40 |
| DCP-20M | 20                 | 15.1     | 23.0           | 29.20 | 38.90 |
| DCP-22M | 22                 | 17.9     | 24.97          | 29.30 | 39.20 |
| DCP-25M | 25                 | 19.8     | 28.0           | 35.60 | 49.50 |
| DCP-28M | 28                 | 23.8     | 34.3           | 48.30 | 63.50 |
| DCP-32M | 32                 | 27.4     | 39.5           | 52.40 | 69.70 |
| DCP-38M | 38                 | 33.3     | 47.1           | 61.40 | 81.90 |

## Instrukcja instalacji

Łącznik jest użyteczny do bezpośredniego połączenia dwóch portów Dk-Lok



Łącznik posiada z jednej strony wytoczony pierścień a z drugiej trzpień rurkowy.  
Każde z zakończeń wymaga innej instalacji.

### Końcówka z wytoczonym pierścieniem

Patrz rys. 1 i 2

1. Zdejmij nakrętkę i pierścień z portu 1 złącza Dk-Lok
2. Załóż nakrętkę na wytoczony pierścień poprzez łącznik
3. Przykręć palcami nakrętkę do portu 1
4. Wykonaj kluczem ¼ obrotu nakrętki kontrolując korpus
  - Nie wykonuj 1 i ¼ obrotu gdyż nie jest to standardowy pierścień
  - Dla rurek 1/16" i 1/8" oraz 3 i 4mm wykonaj tylko 1/8 obrotu

### Końcówka z trzpieniem rurkowym

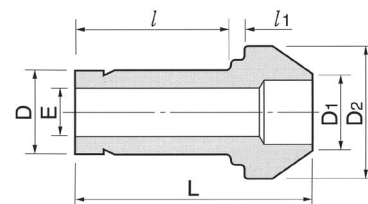
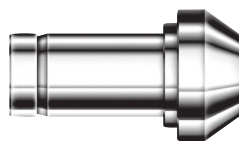
Patrz rys. 3

1. Włóż końcówkę z trzpieniem do środka portu 2 tak głęboko aż oprze się o krawędź wewnętrzną
2. Przykręć palcami nakrętkę do portu 2
3. Wykonaj kluczem 1 i 1/4 obrotu kontrolując korpus złącza z portem 2
  - Dla rurek 1/16" i 1/8" oraz 3 i 4mm wykonaj tylko 3/4 obrotu
  - W celu ponownego dokręcenia zapoznaj się z instrukcją powtórnego montażu

# DCRP

## Adaptor dwustronny redukcyjny

Wartości ciśnień dla złączki DCRP  
znajdują się w tabeli nr 22 na stronie 14



### Połączenie dwóch stalowych portów Dk-Lok

DCRP-...

| Kod        | Średnica zewnętrzna rury |       |                |       | E<br>min | D <sub>2</sub> | l     | l <sub>1</sub> | L     |
|------------|--------------------------|-------|----------------|-------|----------|----------------|-------|----------------|-------|
|            | D <sub>1</sub>           | D     | D <sub>1</sub> | D     |          |                |       |                |       |
|            | in                       | mm    | in             | mm    |          |                |       |                |       |
| DCRP-2-1   | 1/8                      | 3.17  | 1/16           | 1.59  | 1.00     | 6.10           | 8.64  | 2.03           | 17.27 |
| DCRP-4-2   | 1/4                      | 6.35  | 1/8            | 3.17  | 2.28     | 9.39           | 13.45 | 3.30           | 22.60 |
| DCRP-6-2   | 3/8                      | 9.52  | 1/8            | 3.17  | 2.28     | 12.70          | 13.45 | 3.81           | 23.11 |
| DCRP-6-4   | 3/8                      | 9.52  | 1/4            | 6.35  | 4.82     | 12.70          | 15.75 | 3.30           | 24.89 |
| DCRP-8-4   | 1/2                      | 12.70 | 1/4            | 6.35  | 4.82     | 15.74          | 15.75 | 3.81           | 29.21 |
| DCRP-8-6   | 1/2                      | 12.70 | 3/8            | 9.52  | 7.11     | 15.74          | 17.67 | 3.30           | 30.48 |
| DCRP-12-8  | 3/4                      | 19.05 | 1/2            | 12.70 | 9.90     | 22.09          | 23.20 | 3.81           | 37.85 |
| DCRP-16-8  | 1                        | 25.40 | 1/2            | 12.70 | 9.90     | 28.40          | 24.47 | 4.82           | 42.67 |
| DCRP-16-12 | 1                        | 25.40 | 3/4            | 19.05 | 14.98    | 28.40          | 25.90 | 4.06           | 43.43 |

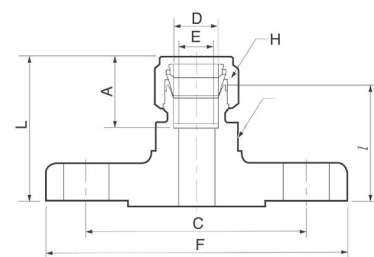
### Połączenie dwóch metrycznych portów Dk-Lok

DCRP-...M

| Kod          | Średnica zewnętrzna rury |    | E<br>min | D <sub>2</sub> | l     | l <sub>1</sub> | L     |
|--------------|--------------------------|----|----------|----------------|-------|----------------|-------|
|              | D <sub>1</sub>           | D  |          |                |       |                |       |
| DCRP-6M-3M   | 6                        | 3  | 2.2      | 9.0            | 13.50 | 3.2            | 22.60 |
| DCRP-8M-6M   | 8                        | 6  | 4.6      | 11.0           | 15.70 | 3.1            | 24.70 |
| DCRP-10M-6M  | 10                       | 6  | 4.6      | 13.1           | 15.70 | 3.4            | 25.00 |
| DCRP-10M-8M  | 10                       | 8  | 6.4      | 13.1           | 16.80 | 3.1            | 26.00 |
| DCRP-12M-6M  | 12                       | 6  | 4.6      | 15.0           | 15.70 | 3.6            | 29.10 |
| DCRP-12M-8M  | 12                       | 8  | 6.4      | 15.0           | 16.80 | 3.4            | 29.80 |
| DCRP-12M-10M | 12                       | 10 | 7.7      | 15.0           | 17.50 | 3.1            | 30.40 |
| DCRP-16M-6M  | 16                       | 6  | 4.6      | 19.0           | 15.75 | 3.6            | 30.40 |
| DCRP-16M-12M | 16                       | 12 | 9.1      | 19.0           | 23.10 | 3.4            | 36.20 |
| DCRP-28M-25M | 28                       | 25 | 19.8     | 34.3           | 33.00 | 8.2            | 56.50 |
| DCRP-32M-25M | 32                       | 25 | 19.8     | 39.5           | 33.00 | 9.9            | 60.30 |
| DCRP-38M-25M | 38                       | 25 | 19.8     | 47.1           | 33.00 | 12.3           | 65.80 |

# DF

## Złącze proste z przyłączem flanszowym



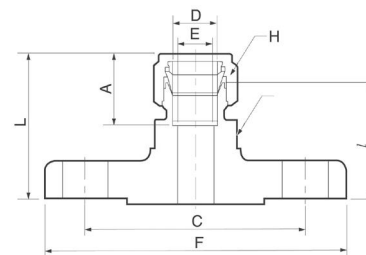
Zakres klas ciśnieniowych według ANSI 150 do 2500, Nominalne rozmiary flansz NPS 1/2" do 2"

### Połączenie flanszy ANSI z rurą stalową

DF-...

| Kod           | Średnica zew. rury |       | Flansza<br>ANSI<br>NPS | Klasa<br>ANSI | E     | Klucz<br>płaski<br>h | A     | l     | L      | C      | F      |
|---------------|--------------------|-------|------------------------|---------------|-------|----------------------|-------|-------|--------|--------|--------|
|               | D                  | D     |                        |               |       |                      |       |       |        |        |        |
|               | in                 | mm    |                        |               |       |                      |       |       |        |        |        |
| DF-4TF8-150   | 1/4                | 6.35  | 1/2                    | 150           | 4.82  | 20.64                | 15.24 | 33.52 | 40.89  | 60.45  | 88.9   |
| DF-4TF16-150  | 1/4                | 6.35  | 1                      | 150           | 4.82  | 20.64                | 15.24 | 36.35 | 43.71  | 79.2   | 108    |
| DF-6TF8-150   | 3/8                | 9.52  | 1/2                    | 150           | 4.82  | 20.64                | 16.76 | 34.85 | 42.21  | 60.45  | 88.9   |
| DF-6TF8-300   | 3/8                | 9.52  | 1/2                    | 300           | 7.11  | 20.64                | 16.76 | 38.1  | 45.46  | 66.54  | 95.25  |
| DF-6TF16-150  | 3/8                | 9.52  | 1                      | 150           | 7.11  | 20.64                | 16.76 | 37.85 | 45.21  | 79.2   | 108    |
| DF-8TF8-150   | 1/2                | 12.7  | 1/2                    | 150           | 10.41 | 20.64                | 22.86 | 30.05 | 45.21  | 60.45  | 88.9   |
| DF-8TF8-300   | 1/2                | 12.7  | 1/2                    | 300           | 10.41 | 20.64                | 22.86 | 37.85 | 48.01  | 66.54  | 95.25  |
| DF-8TF8-1500  | 1/2                | 12.7  | 1/2                    | 1500          | 10.41 | 20.64                | 22.86 | 46.05 | 56.21  | 82.6   | 121    |
| DF-8TF16-150  | 1/2                | 12.7  | 1                      | 150           | 10.41 | 20.64                | 22.86 | 38.1  | 48.26  | 79.24  | 108.26 |
| DF-8TF32-150  | 1/2                | 12.7  | 2                      | 150           | 10.41 | 20.64                | 22.86 | 42.92 | 53.08  | 42.92  | 53.08  |
| DF-12TF16-150 | 3/4                | 19.05 | 1                      | 150           | 15.74 | 31.75                | 24.38 | 40.13 | 50.29  | 79.24  | 107.95 |
| DF-12TF16-900 | 3/4                | 19.05 | 1                      | 900           | 15.74 | 31.75                | 24.38 | 46.05 | 56.21  | 101.6  | 149    |
| DF-16TF16-150 | 1                  | 25.4  | 1                      | 150           | 22.35 | 34.92                | 31.24 | 48.26 | 60.45  | 79.24  | 107.95 |
| DF-24TF32-150 | 1-1/2              | 38.1  | 2                      | 150           | 34.03 | 53.97                | 50.03 | 59.18 | 86.36  | 120.65 | 152.4  |
| DF-32TF32-150 | 2                  | 50.8  | 2                      | 150           | 45.97 | 69.85                | 67.56 | 67.05 | 104.39 | 120.65 | 152.4  |





**Zakres klas ciśnieniowych PN 40 do 320, Nominalne rozmiary flansz DN 15 do 50**

### Połączenie flanszy DIN z rurą metryczną

DF-...

| Kod           | Śr. zewn. rury<br>D | Flansza<br>DIN<br>rozmiar DN | Klasa<br>DIN | E    | Klucz<br>płaski<br>h | A    | I    | L     | C     | F     |
|---------------|---------------------|------------------------------|--------------|------|----------------------|------|------|-------|-------|-------|
| DF-6MF25M-40  | 6 mm                | 25                           | 40           | 4.8  | 20                   | 15.3 | 40.1 | 47.5  | 85.0  | 115.0 |
| DF-12MF15M-40 | 12 mm               | 15                           | 40           | 9.5  | 20                   | 22.8 | 38.4 | 48.5  | 65.0  | 95.0  |
| DF-12MF25M-40 | 12 mm               | 25                           | 40           | 9.5  | 20                   | 22.8 | 40.4 | 50.5  | 85.0  | 115.0 |
| DF-12MF50M-40 | 12 mm               | 50                           | 40           | 9.5  | 20                   | 22.8 | 45.2 | 55.3  | 125.0 | 165.0 |
| DF-18MF15M-40 | 18 mm               | 15                           | 40           | 15.1 | 32                   | 24.4 | 41.7 | 51.8  | 65.0  | 95.0  |
| DF-18MF25M-40 | 18 mm               | 25                           | 40           | 15.1 | 32                   | 24.4 | 43.7 | 53.8  | 85.0  | 115.0 |
| DF-25MF25M-40 | 25 mm               | 25                           | 40           | 21.8 | 35                   | 31.3 | 51.8 | 64.0  | 85.0  | 115.0 |
| DF-38MF50M-40 | 38 mm               | 50                           | 40           | 33.7 | 55                   | 49.4 | 62.7 | 90.4  | 125.0 | 165.0 |
| DF-50MF50M-40 | 50 mm               | 50                           | 40           | 45.2 | 70                   | 65.0 | 66.3 | 103.0 | 125.0 | 165.0 |

**JIS B 2220: Zakres klas ciśnieniowych 10 do 63K, Nominalne rozmiary flansz DN 15 do 50**

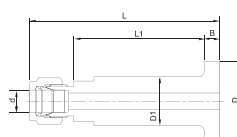
### Połączenie flanszy JIS z rurą calową lub metryczną

DF-...

| Kod           | Śr. zewn. rury<br>D |       | Flansza<br>JIS<br>rozmiar DN | Klasa<br>JIS | E     | Klucz<br>płaski<br>h | A     | I     | L      | C      | F      |
|---------------|---------------------|-------|------------------------------|--------------|-------|----------------------|-------|-------|--------|--------|--------|
|               | in                  | mm    |                              |              |       |                      |       |       |        |        |        |
| DF-4T15A10RF  | 1/4                 | 6.35  | 15                           | 10K          | 4.82  | 23.81                | 15.24 | 34.79 | 42.16  | 70.10  | 94.99  |
| DF-6T15A10RF  | 3/8                 | 9.52  | 15                           | 10K          | 7.11  | 23.81                | 16.76 | 36.32 | 43.68  | 70.10  | 94.99  |
| DF-8T15A10RF  | 1/2                 | 12.7  | 15                           | 10K          | 10.41 | 23.81                | 22.86 | 36.32 | 46.48  | 70.10  | 94.99  |
| DF-12T15A10RF | 3/4                 | 19.05 | 15                           | 10K          | 15.74 | 31.75                | 24.38 | 38.35 | 48.51  | 70.10  | 94.99  |
| DF-16T25A10RF | 1                   | 25.4  | 25                           | 10K          | 22.35 | 34.91                | 31.24 | 48.76 | 60.96  | 89.91  | 124.96 |
| DF-32T50A10RF | 2                   | 50.8  | 50                           | 10K          | 45.97 | 69.85                | 67.56 | 64.51 | 101.85 | 119.88 | 154.94 |
| DF-12M15A10FF |                     | 12 mm | 15                           | 10K          | 9.5   | 20                   | 22.8  | 36.3  | 46.5   | 70.0   | 95.0   |
| DF-18M15A10RF |                     | 18 mm | 15                           | 10K          | 15.1  | 32                   | 24.4  | 38.4  | 48.5   | 70.0   | 95.0   |
| DF-25M25A10RF |                     | 25 mm | 25                           | 10K          | 21.8  | 35                   | 31.3  | 48.8  | 61.0   | 90.0   | 125.0  |

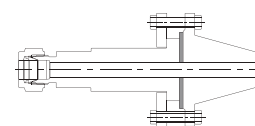
# DLJ

## Złącze laboratoryjne



### Instalacja

Złącze laboratoryjne z flanszą



Instalacja złącza laboratoryjnego z flanszą do kołnierza spawanego z użyciem uszczelki na powierzchniach płaskich.

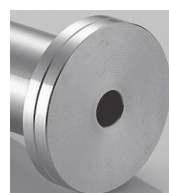
Złącze laboratoryjne z flanszą zostało zaprojektowane aby łączyć flanszę procesową z instrumentem. Port Dk-Lok jest zintegrowany z flanszą zgodną z ANSI B16.5 klasy 2500. Dostępne są flansze z „gładką”, centralnie rowkowaną” płaszczyną uszczelniającą. Zewnętrzny rowek oznacza flanszę z płaszczyną centralnie rowkowaną.

### Połączenie flanszy z rurą calową

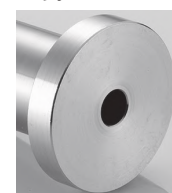
DLJ-...

| Kod                                           | Śr. zewn. rury<br>D |       | Wymiary |                |     |    |                |       |
|-----------------------------------------------|---------------------|-------|---------|----------------|-----|----|----------------|-------|
|                                               | in                  | mm    | L       | L <sub>1</sub> | I   | D  | D <sub>1</sub> | d min |
| Rowkowana powierzchnia uszczelniająca flanszy |                     |       |         |                |     |    |                |       |
| DLJ-4T8F-SR-S                                 | 1/4                 | 6.35  | 80.8    | 56.5           | 6.5 | 35 | 22.2           | 4.8   |
| DLJ-6T8F-SR-S                                 | 3/8                 | 9.52  | 82.3    | 56.5           | 6.5 | 35 | 22.2           | 7.1   |
| DLJ-8T8F-SR-S                                 | 1/2                 | 12.70 | 84.8    | 56.5           | 6.5 | 35 | 22.2           | 10.4  |
| Gładka powierzchnia uszczelniająca flanszy    |                     |       |         |                |     |    |                |       |
| DLJ-4T8F-SM-S                                 | 1/4                 | 6.35  | 80.8    | 56.5           | 6.5 | 35 | 22.2           | 4.8   |
| DLJ-6T8F-SM-S                                 | 3/8                 | 9.52  | 82.3    | 56.5           | 6.5 | 35 | 22.2           | 7.1   |
| DLJ-8T8F-SM-S                                 | 1/2                 | 12.70 | 84.8    | 56.5           | 6.5 | 35 | 22.2           | 10.4  |

### Płaszczyny uszczelniające



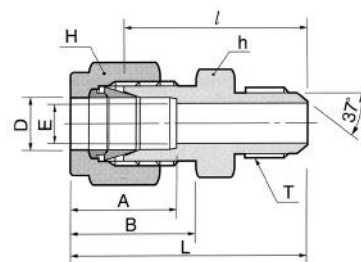
Zewnętrzny rowek  
Centralnie rowkowana: SR  
Chropowatość płaszczyny  
Ra 6.3 do 12.5 mikrometra



Gładka: SM  
Chropowatość płaszczyny  
Ra 3.2 do 6.3 mikrometra

# DUA

## Złącze proste z gwintem zewnętrznym JIC

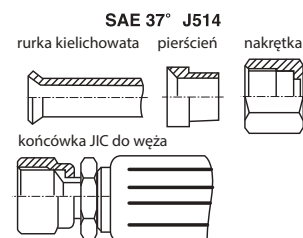


### Połączenie rury stalowej z rurą kielichową AN

DUA-...

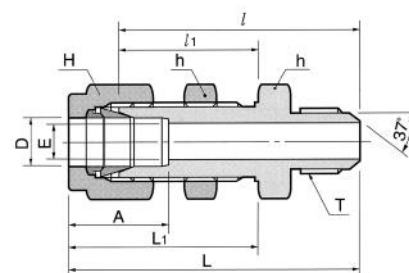
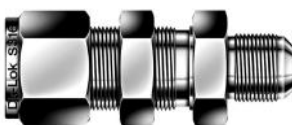
| Kod       | Śr. zewn. rury<br>D |       | Rozmiar rury<br>kielichowanej |       | Gwint<br>prosty<br>T(U) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | L      |
|-----------|---------------------|-------|-------------------------------|-------|-------------------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|--------|
|           | in                  | mm    | in                            | mm    |                         |          | h                       |       | H     |       |       |       |       |        |
| DUA-1-2   | 1/16                | 1.59  | 1/8                           | 3.17  | 5/16-24                 | 1.27     | 7/16                    | 11.11 | 5/16  | 7.93  | 8.63  | 10.92 | 23.36 | 27.17  |
| DUA-2-2   | 1/8                 | 3.17  | 1/8                           | 3.17  | 5/16-24                 | 1.52     | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 24.89 | 31.49  |
| DUA-2-4   | 1/8                 | 3.17  | 1/4                           | 6.35  | 7/16-20                 | 2.28     | 1/2                     | 12.70 | 7/16  | 11.11 | 12.70 | 15.24 | 28.44 | 35.05  |
| DUA-4-4   | 1/4                 | 6.35  | 1/4                           | 6.35  | 7/16-20                 | 4.31     | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 37.59  |
| DUA-5-5   | 5/16                | 7.93  | 5/16                          | 7.93  | 1/2-20                  | 5.84     | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 30.98 | 38.35  |
| DUA-6-4   | 3/8                 | 9.52  | 1/4                           | 6.35  | 7/16-20                 | 4.31     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 32.25 | 39.62  |
| DUA-6-6   | 3/8                 | 9.52  | 3/8                           | 9.52  | 9/16-18                 | 7.11     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 32.25 | 39.62  |
| DUA-8-8   | 1/2                 | 12.70 | 1/2                           | 12.70 | 3/4-16                  | 9.90     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 35.81 | 45.97  |
| DUA-12-12 | 3/4                 | 19.05 | 3/4                           | 19.05 | 1-1/16-12               | 15.49    | 1-1/8                   | 28.58 | 1-1/8 | 28.58 | 24.38 | 21.84 | 43.18 | 53.34  |
| DUA-16-16 | 1                   | 25.40 | 1                             | 25.40 | 1-5/16-12               | 21.33    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 49.27 | 61.46  |
| DUA-20-20 | 1-1/4               | 31.75 | 1-1/4                         | 31.75 | 1-5/8-12                | 27.68    | 1-3/4                   | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 55.46 | 77.56  |
| DUA-24-24 | 1-1/2               | 38.10 | 1-1/2                         | 38.10 | 1-7/8-12                | 33.90    | 2-1/8                   | 53.97 | 2-1/4 | 57.15 | 50.03 | 45.21 | 63.07 | 90.25  |
| DUA-32-32 | 2                   | 50.80 | 2                             | 50.80 | 2-1/2-12                | 45.97    | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 83.24 | 120.57 |

Dk-Lok AN złącze ze stożkiem 37° jest zaprojektowane zgodnie ze standardem SAE J514. Przyłącza AN są zazwyczaj stosowane z urządzeniami procesowymi dla wojska i marynarki wojennej.



# DUBA

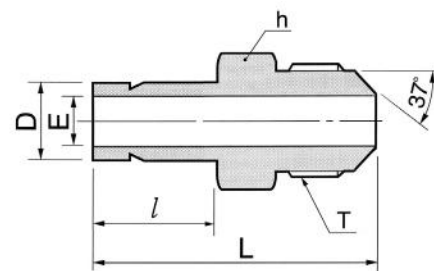
## Złącze proste przegrodowe z gwintem zewnętrznym JIC



### Połączenie rury stalowej z rurą kielichową AN

DUBA-...

| Kod        | Śr. zewn. rury<br>D |       | Rozmiar rury<br>kielichowanej |       | Gwint<br>prosty<br>T(U) | E<br>min | Odległość pow. płaskich |       |       |       | A     | l      | l <sub>1</sub> | L      | L <sub>1</sub> | Rozmiar<br>otworu<br>w panelu | Maks.<br>grubość<br>panelu |
|------------|---------------------|-------|-------------------------------|-------|-------------------------|----------|-------------------------|-------|-------|-------|-------|--------|----------------|--------|----------------|-------------------------------|----------------------------|
|            | in                  | mm    | in                            | mm    |                         |          | h                       |       | H     |       |       |        |                |        |                |                               |                            |
| DUBA-2-2   | 1/8                 | 3.17  | 1/8                           | 3.17  | 5/16-24                 | 1.77     | 1/2                     | 12.70 | 7/16  | 11.11 | 13.71 | 40.85  | 24.63          | 47.45  | 31.23          | 8.33                          | 12.70                      |
| DUBA-4-4   | 1/4                 | 6.35  | 1/4                           | 6.35  | 7/16-20                 | 4.31     | 5/8                     | 15.87 | 9/16  | 14.28 | 15.24 | 46.48  | 26.16          | 53.84  | 33.52          | 11.50                         | 10.16                      |
| DUBA-6-6   | 3/8                 | 9.52  | 3/8                           | 9.52  | 9/16-18                 | 7.11     | 3/4                     | 19.05 | 11/16 | 17.46 | 16.76 | 49.78  | 29.46          | 57.15  | 36.83          | 14.68                         | 11.17                      |
| DUBA-8-8   | 1/2                 | 12.70 | 1/2                           | 12.70 | 3/4-16                  | 9.90     | 5/16                    | 23.81 | 7/8   | 22.22 | 22.86 | 55.62  | 31.75          | 65.78  | 41.91          | 19.44                         | 12.70                      |
| DUBA-12-12 | 3/4                 | 19.05 | 3/4                           | 19.05 | 1-1/16-12               | 15.49    | 1-3/16                  | 30.16 | 1-1/8 | 28.58 | 24.38 | 68.83  | 37.33          | 78.99  | 47.49          | 25.79                         | 16.76                      |
| DUBA-16-16 | 1                   | 25.40 | 1                             | 25.40 | 1-5/16-12               | 21.33    | 1-5/8                   | 41.27 | 1-1/2 | 38.10 | 31.24 | 80.26  | 45.21          | 92.45  | 57.40          | 33.73                         | 19.05                      |
| DUBA-20-20 | 1-1/4               | 31.75 | 1-1/4                         | 31.75 | 1-5/8-12                | 27.68    | 1-7/8                   | 47.63 | 1-7/8 | 47.63 | 41.14 | 86.37  | 47.75          | 108.47 | 69.85          | 41.67                         | 19.05                      |
| DUBA-24-24 | 1-1/2               | 38.10 | 1-1/2                         | 38.10 | 1-7/8-12                | 33.90    | 2-1/4                   | 57.15 | 2-1/4 | 57.15 | 50.03 | 94.33  | 49.27          | 121.51 | 76.45          | 49.61                         | 19.05                      |
| DUBA-32-32 | 2                   | 50.80 | 2                             | 50.80 | 2-1/2-12                | 45.97    | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 114.29 | 56.38          | 151.62 | 93.71          | 16.27                         | 19.05                      |



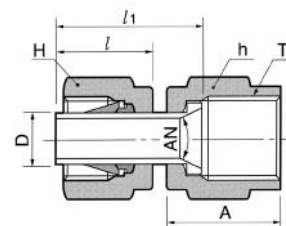
### Połączenie stalowego portu Dk-Lok z rurą kielichowaną AN

DMAA-...

| Kod        | Średnica zewn. rury<br>D |       | Rozmiar rury<br>kielichowanej |       | Gwint<br>prosty<br>T(U) | E<br>min | Odl. pow. płaskich<br>h |       | l     | L     |
|------------|--------------------------|-------|-------------------------------|-------|-------------------------|----------|-------------------------|-------|-------|-------|
|            | in                       | mm    | in                            | mm    |                         |          | in                      | mm    |       |       |
| DMAA-4-4   | 1/4                      | 6.35  | 1/4                           | 6.35  | 7/16-20                 | 4.57     | 1/2                     | 12.7  | 15.75 | 37.1  |
| DMAA-6-6   | 3/8                      | 9.52  | 3/8                           | 9.52  | 9/16-18                 | 7.11     | 5/8                     | 15.87 | 17.5  | 39.63 |
| DMAA-8-6   | 1/2                      | 12.70 | 3/8                           | 9.52  | 9/16-18                 | 7.11     | 5/8                     | 15.87 | 23.1  | 45.7  |
| DMAA-8-8   | 1/2                      | 12.70 | 1/2                           | 12.70 | 3/4-16                  | 9.9      | 13/16                   | 20.64 | 23.1  | 48.52 |
| DMAA-8-10  | 1/2                      | 12.70 | 5/8                           | 15.87 | 7/8-14                  | 9.9      | 15/16                   | 23.81 | 23.1  | 52.0  |
| DMAA-10-10 | 5/8                      | 15.87 | 5/8                           | 15.87 | 7/8-14                  | 12.3     | 15/16                   | 23.81 | 27.68 | 56.13 |
| DMAA-12-12 | 3/4                      | 19.05 | 3/4                           | 19.05 | 1-1/16-12               | 14.98    | 1-1/8                   | 28.57 | 24.7  | 56.13 |
| DMAA-16-16 | 1                        | 25.4  | 1                             | 25.4  | 1-5/16-12               | 20.06    | 1-3/8                   | 34.92 | 31.7  | 65.33 |

# DAA

## Prześciówka DK na gwint zewnętrzny JIC



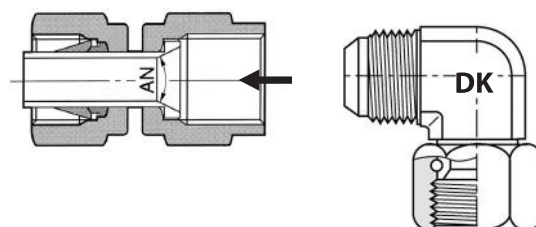
### Połączenie stalowego portu Dk-Lok z gwintem zewnętrznym AN

DAA-...

| Kod     | Śr. zewn. rury |       | Rozmiar rury kielichowanej |       | Gwint prosty T(U) | Odległość pow. płaskich |       |       |       | A     | l     | l <sub>1</sub> |
|---------|----------------|-------|----------------------------|-------|-------------------|-------------------------|-------|-------|-------|-------|-------|----------------|
|         | D              |       |                            |       |                   | h                       |       | H     |       |       |       |                |
|         | in             | mm    | in                         | mm    |                   | in                      | mm    | in    | mm    |       |       |                |
| DAA-2-2 | 1/8            | 3.17  | 1/8                        | 3.17  | 5/16-24           | 3/8                     | 9.52  | 7/16  | 11.11 | 13.71 | 13.46 | 18.54          |
| DAA-2-4 | 1/8            | 3.17  | 1/4                        | 6.35  | 7/16-20           | 9/16                    | 14.28 | 7/16  | 11.11 | 15.74 | 13.46 | 19.05          |
| DAA-4-4 | 1/4            | 6.35  | 1/4                        | 6.35  | 7/16-20           | 9/16                    | 14.28 | 9/16  | 14.28 | 15.74 | 15.74 | 21.33          |
| DAA-6-6 | 3/8            | 9.52  | 3/8                        | 9.52  | 9/16-18           | 11/16                   | 17.46 | 11/16 | 17.46 | 18.28 | 17.52 | 24.89          |
| DAA-8-8 | 1/2            | 12.70 | 1/2                        | 12.70 | 3/4-16            | 7/8                     | 22.22 | 7/8   | 22.22 | 21.59 | 23.11 | 31.75          |

Adaptor AN jest przydatny w celu połączenia portu Dk-Lok z gwintem zewnętrznym SAE JIC 514 37°

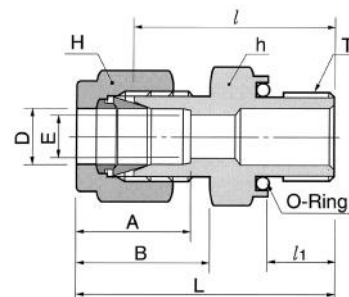
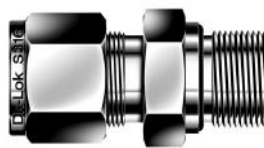
Zaciśnięte pierścienie Dk-Lok na adapterze AN wymagają zastosowania procedury powtórnej instalacji.



# DMC-UO

## Złącze proste z gwintem zew. SAE z o-ringiem wpuszczanym

Wartości ciśnień dla złączki DMC-UO znajdują się w tabeli nr 20 na stronie 13



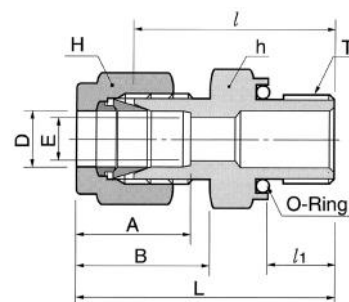
### Połączenie rury stalowej z wewnętrznym gwintem prostym

**DMC-....UO**

| Kod         | Śr. zewn. rury |       | Gwint prosty T(U) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | Oznaczenie wielkości o-ringu |
|-------------|----------------|-------|-------------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|------------------------------|
|             | in             | mm    |                   |          | h                       | mm    | H     | mm    |       |       |       |                |       |                              |
| DMC-2-2UO   | 1/8            | 3.17  | 5/16-20           | 2.28     | 9/16                    | 14.28 | 7/16  | 11.11 | 12.70 | 15.24 | 26.16 | 8.63           | 32.76 | -011                         |
| DMC-3-3UO   | 3/16           | 4.76  | 3/8-24            | 3.04     | 5/8                     | 15.87 | 1/2   | 12.70 | 13.71 | 16.00 | 27.68 | 9.65           | 34.29 | -012                         |
| DMC-4-4UO   | 1/4            | 6.35  | 7/16-20           | 4.82     | 3/4                     | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 30.98 | 10.41          | 38.35 | -013                         |
| DMC-5-5UO   | 5/16           | 7.93  | 1/2-20            | 6.35     | 7/8                     | 22.22 | 5/8   | 15.87 | 16.25 | 18.54 | 33.27 | 11.17          | 40.64 | -112                         |
| DMC-6-6UO   | 3/8            | 9.52  | 9/16-18           | 7.11     | 15/16                   | 23.81 | 11/16 | 17.46 | 16.76 | 19.30 | 35.05 | 11.93          | 42.41 | -113                         |
| DMC-8-8UO   | 1/2            | 12.70 | 3/4-16            | 10.41    | 1-1/8                   | 28.57 | 7/8   | 22.22 | 22.86 | 21.84 | 35.81 | 11.93          | 45.97 | -116                         |
| DMC-12-12UO | 3/4            | 19.05 | 1-1/16-12         | 15.74    | 1-1/2                   | 38.10 | 1-1/8 | 28.58 | 24.38 | 21.84 | 42.16 | 14.22          | 52.32 | -121                         |
| DMC-16-16UO | 1              | 25.40 | 1-5/16-12         | 22.35    | 1-3/4                   | 44.45 | 1-1/2 | 38.10 | 31.24 | 26.41 | 45.97 | 14.22          | 58.16 | -125                         |

# DMC-NO

## Złącze proste z gwintem zewnętrznym NPT z o-ringiem wpuszczanym



### Połączenie rury stalowej z wewnętrznym gwintem NPT

**DMC-....NO**

| Kod       | Śr. zewn. rury |       | T<br>*(NPT) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | Oznaczenie wielkości o-ringu |
|-----------|----------------|-------|-------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|------------------------------|
|           | in             | mm    |             |          | h                       | mm    | H     | mm    |       |       |       |                |       |                              |
| DMC-2-2NO | 1/8            | 3.17  | 1/8         | 2.28     | 3/4                     | 19.05 | 7/16  | 11.11 | 12.70 | 15.24 | 26.16 | 7.11           | 32.76 | -013                         |
| DMC-4-2NO | 1/4            | 6.35  | 1/8         | 4.82     | 3/4                     | 19.05 | 9/16  | 14.28 | 15.24 | 17.78 | 27.68 | 7.11           | 35.05 | -013                         |
| DMC-4-4NO | 1/4            | 6.35  | 1/4         | 4.82     | 15/16                   | 23.81 | 9/16  | 14.28 | 15.24 | 17.78 | 30.98 | 9.65           | 38.35 | -113                         |
| DMC-6-4NO | 3/8            | 9.52  | 1/4         | 7.11     | 15/16                   | 23.81 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 9.65           | 39.87 | -113                         |
| DMC-6-6NO | 3/8            | 9.52  | 3/8         | 7.11     | 1-1/8                   | 28.58 | 11/16 | 17.46 | 16.76 | 19.30 | 34.03 | 10.41          | 41.40 | -116                         |
| DMC-6-8NO | 3/8            | 9.52  | 1/2         | 7.11     | 1-5/16                  | 33.33 | 11/16 | 17.46 | 16.76 | 19.30 | 39.62 | 13.46          | 46.99 | -118                         |
| DMC-8-8NO | 1/2            | 12.70 | 1/2         | 10.41    | 1-5/16                  | 33.33 | 7/8   | 22.22 | 22.86 | 21.84 | 39.62 | 13.46          | 49.78 | -118                         |

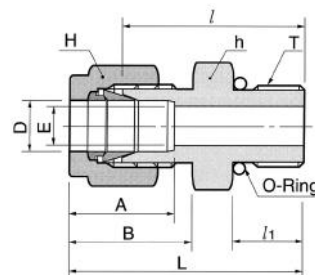
## Instrukcja instalacji

### Złącze z ringiem

1. Nasmaruj o-ring smarem zgodnym z materiałem o-ringa oraz medium z układzie
2. Wkręć ręcznie złącze z o-ringiem do gwintu wewnętrznego
3. Dociśnij ręcznie złącze tak by uszczelka spłaszczyła się na płaszczyźnie uszczelniającej
4. Lekko dokręć za pomocą klucza tak aby nastąpiło całkowite ściśnięcie o-ringa

## Złącze proste z gwintem zew. SAE z o-ringiem

Wartości ciśnień dla złączki DMCS-U  
znajdują się w tabeli nr 20 na stronie 13



### Połączenie rury stalowej z wewnętrznym gwintem prostym SAE

### DMCS-...-...U

| Kod         | Śr. zewn. rury |       | Gwint prosty T(U) | E<br>min | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L      | Oznaczenie wielkości o-ringu |
|-------------|----------------|-------|-------------------|----------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|--------|------------------------------|
|             | D              |       |                   |          | h                       |       | H     |       |       |       |       |                |        |                              |
|             | in             | mm    |                   |          | in                      | mm    | in    | mm    |       |       |       |                |        |                              |
| DMCS-2-2U   | 1/8            | 3.17  | 5/16-24           | 2.28     | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 23.26 | 7.62           | 29.97  | -902                         |
| DMCS-4-4U   | 1/4            | 6.35  | 7/16-20           | 4.82     | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 26.67 | 9.14           | 34.03  | -904                         |
| DMCS-4-6U   | 1/4            | 6.35  | 9/16-18           | 4.82     | 11/16                   | 17.46 | 9/16  | 14.28 | 15.24 | 17.78 | 28.19 | 9.90           | 35.56  | -906                         |
| DMCS-4-8U   | 1/4            | 6.35  | 3/4-16            | 4.82     | 7/8                     | 22.22 | 9/16  | 14.28 | 15.24 | 17.78 | 30.22 | 11.17          | 37.59  | -908                         |
| DMCS-4-10U  | 1/4            | 6.35  | 7/8-14            | 4.82     | 1                       | 25.40 | 9/16  | 14.28 | 15.24 | 17.78 | 33.27 | 12.70          | 40.64  | -910                         |
| DMCS-5-5U   | 5/16           | 7.93  | 1/2-20            | 5.84     | 5/8                     | 15.87 | 5/8   | 15.87 | 16.25 | 18.54 | 27.43 | 9.14           | 34.79  | -905                         |
| DMCS-6-4U   | 3/8            | 9.52  | 7/16-20           | 5.08     | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 28.19 | 9.14           | 35.56  | -904                         |
| DMCS-6-6U   | 3/8            | 9.52  | 9/16-18           | 7.11     | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 29.71 | 9.90           | 37.08  | -906                         |
| DMCS-6-8U   | 3/8            | 9.52  | 3/4-16            | 7.11     | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 31.75 | 11.17          | 39.11  | -908                         |
| DMCS-6-10U  | 3/8            | 9.52  | 7/8-14            | 7.11     | 1                       | 25.40 | 11/16 | 17.46 | 16.76 | 19.30 | 34.79 | 12.70          | 42.16  | -910                         |
| DMCS-8-6U   | 1/2            | 12.70 | 9/16-18           | 7.11     | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 28.95 | 9.90           | 39.11  | -906                         |
| DMCS-8-8U   | 1/2            | 12.70 | 3/4-16            | 10.41    | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 31.75 | 11.17          | 41.91  | -908                         |
| DMCS-8-10U  | 1/2            | 12.70 | 7/8-14            | 10.41    | 1                       | 25.40 | 7/8   | 22.22 | 22.86 | 21.84 | 34.79 | 12.70          | 44.95  | -910                         |
| DMCS-8-12U  | 1/2            | 12.70 | 1-1/16-12         | 10.41    | 1-1/4                   | 31.75 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 14.98          | 49.02  | -912                         |
| DMCS-10-8U  | 5/8            | 15.87 | 3/4-16            | 10.66    | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 31.75 | 11.17          | 41.91  | -908                         |
| DMCS-10-10U | 5/8            | 15.87 | 7/8-14            | 12.70    | 1                       | 25.40 | 1     | 25.40 | 24.38 | 21.84 | 35.05 | 12.70          | 45.21  | -910                         |
| DMCS-12-8U  | 3/4            | 19.05 | 3/4-16            | 10.66    | 1-1/16                  | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 35.81 | 11.17          | 45.97  | -908                         |
| DMCS-12-12U | 3/4            | 19.05 | 1-1/16-12         | 15.74    | 1-1/4                   | 31.75 | 1-1/8 | 28.57 | 24.38 | 21.84 | 38.86 | 14.98          | 49.02  | -912                         |
| DMCS-14-14U | 7/8            | 22.22 | 1-3/16-12         | 18.28    | 1-3/8                   | 34.92 | 1-1/4 | 31.75 | 25.90 | 21.84 | 38.86 | 14.98          | 49.02  | -914                         |
| DMCS-16-12U | 1              | 25.40 | 1-1/16-12         | 16.76    | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 41.14 | 14.98          | 53.34  | -912                         |
| DMCS-16-16U | 1              | 25.40 | 1-5/16-12         | 22.35    | 1-1/2                   | 38.10 | 1-1/2 | 38.10 | 31.24 | 26.41 | 42.16 | 14.98          | 54.35  | -916                         |
| DMCS-20-20U | 1-1/4          | 31.75 | 1-5/8-12          | 27.68    | 1-7/8                   | 47.63 | 1-7/8 | 47.63 | 41.14 | 38.86 | 46.22 | 14.98          | 68.32  | -920                         |
| DMCS-24-24U | 1-1/2          | 38.10 | 1-7/8-12          | 34.03    | 2-1/8                   | 53.98 | 2-1/4 | 57.15 | 50.03 | 45.21 | 50.54 | 14.98          | 77.72  | -924                         |
| DMCS-32-32U | 2              | 50.80 | 2-1/2-12          | 45.97    | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 64.26 | 14.98          | 101.60 | -932                         |

### Połączenie rury metrycznej z wewnętrznym gwintem prostym SAE boss

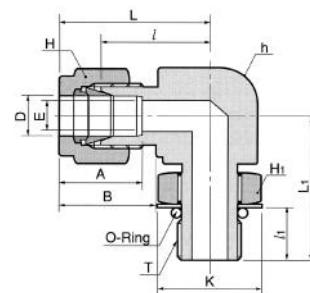
### DMCS-...M-...U

| Kod         | Śr. zewn. rury | Gwint prosty T(U) | E   | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    | Oznaczenie wielkości o-ringu |
|-------------|----------------|-------------------|-----|--------------------|----|------|------|------|----------------|------|------------------------------|
|             | D              |                   | min | h                  |    |      |      |      |                |      |                              |
| DMCS-6M-6U  | 6              | 9/16-18           | 4.8 | 18                 | 14 | 15.3 | 17.7 | 28.2 | 9.90           | 36.5 | -906                         |
| DMCS-10M-6U | 10             | 9/16-18           | 7.9 | 18                 | 19 | 17.2 | 19.5 | 29.7 | 9.90           | 37.3 | -906                         |
| DMCS-10M-8U | 10             | 3/4-16            | 7.9 | 22                 | 19 | 17.2 | 19.5 | 31.8 | 11.17          | 39.4 | -908                         |
| DMCS-12M-4U | 12             | 7/16-20           | 5.2 | 22                 | 22 | 22.8 | 22.0 | 28.2 | 9.14           | 38.3 | -904                         |
| DMCS-12M-6U | 12             | 9/16-18           | 7.5 | 22                 | 22 | 22.8 | 22.0 | 29.0 | 9.90           | 39.1 | -906                         |

# DLS-UP

## Złącze kolankowe nastawne z gwintem zewnętrznym SAE z o-ringiem

Wartości ciśnień dla złączki DLS-UP  
znajdują się w tabeli nr 20 na stronie 13



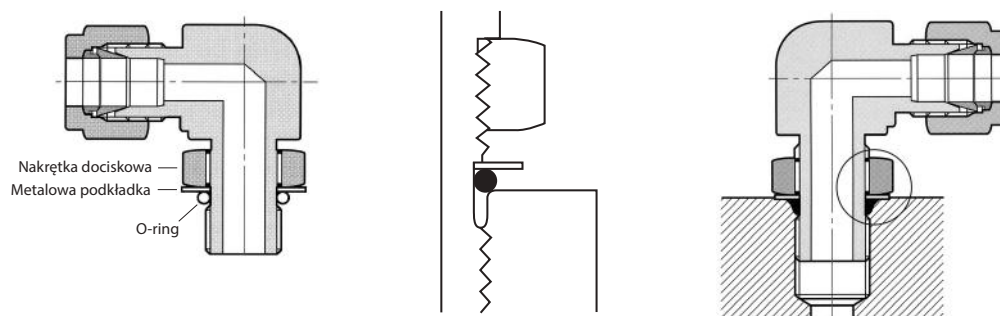
### Połączenie rury stalowej z wewnętrznym gwintem prostym SAE boss

**DLS-...-...UP**

| Kod         | Śr. zewn. rury |       | Gwint prosty T(U) | E<br>min | Odległość powierzchni płaskich |       |       |                |                |                | A     | B     | l     | l <sub>1</sub> | L      | L <sub>1</sub> | K     | Oznaczn.<br>wielkości<br>o-ringu |
|-------------|----------------|-------|-------------------|----------|--------------------------------|-------|-------|----------------|----------------|----------------|-------|-------|-------|----------------|--------|----------------|-------|----------------------------------|
|             | in             | mm    |                   |          | h                              | h     | H     | H <sub>1</sub> | H <sub>1</sub> | H <sub>1</sub> |       |       |       |                |        |                |       |                                  |
| DLS-4-4UP   | 1/4            | 6.35  | 7/16-20           | 4.82     | 1/2                            | 12.70 | 9/16  | 14.28          | 9/16           | 14.28          | 15.24 | 17.78 | 21.08 | 9.90           | 28.44  | 28.44          | 16.51 | -904                             |
| DLS-5-5UP   | 5/16           | 7.93  | 1/2-20            | 5.84     | 9/16                           | 14.28 | 5/8   | 15.87          | 5/8            | 15.87          | 16.25 | 18.54 | 22.86 | 9.90           | 30.22  | 29.46          | 18.28 | -905                             |
| DLS-6-6UP   | 3/8            | 9.52  | 9/16-18           | 7.11     | 5/8                            | 15.87 | 11/16 | 17.46          | 11/16          | 17.46          | 16.76 | 19.30 | 24.63 | 11.17          | 32.00  | 32.25          | 20.06 | -906                             |
| DLS-6-8UP   | 3/8            | 9.52  | 3/4-16            | 7.11     | 13/16                          | 20.64 | 11/16 | 17.46          | 7/8            | 22.22          | 16.76 | 19.30 | 27.43 | 12.70          | 34.79  | 37.84          | 25.65 | -908                             |
| DLS-8-8UP   | 1/2            | 12.70 | 3/4-16            | 10.41    | 13/16                          | 20.64 | 7/8   | 22.22          | 7/8            | 22.22          | 22.86 | 21.84 | 27.43 | 12.70          | 37.59  | 37.84          | 25.65 | -908                             |
| DLS-10-10UP | 5/8            | 15.87 | 7/8-14            | 12.70    | 1                              | 25.40 | 1     | 25.40          | 1              | 25.40          | 24.38 | 21.84 | 29.46 | 14.22          | 39.62  | 43.43          | 29.46 | -910                             |
| DLS-12-12UP | 3/4            | 19.05 | 1-1/16-12         | 15.74    | 1-1/16                         | 26.98 | 1-1/8 | 28.57          | 1-1/4          | 31.75          | 24.38 | 21.84 | 31.24 | 16.76          | 41.40  | 48.76          | 36.57 | -912                             |
| DLS-14-14UP | 7/8            | 22.22 | 1-3/16-12         | 18.28    | 1-1/4                          | 31.75 | 1-1/4 | 31.75          | 1-3/8          | 34.92          | 25.90 | 21.84 | 33.02 | 16.76          | 43.18  | 50.54          | 40.38 | -914                             |
| DLS-16-16UP | 1              | 25.40 | 1-5/16-12         | 22.35    | 1-3/8                          | 34.92 | 1-1/2 | 38.10          | 1-1/2          | 38.10          | 31.24 | 26.41 | 38.35 | 16.76          | 50.54  | 53.59          | 43.94 | -916                             |
| DLS-20-20UP | 1-1/4          | 31.75 | 1-5/8-12          | 27.68    | 1-11/16                        | 42.76 | 1-7/8 | 47.63          | 1-7/8          | 47.63          | 41.14 | 38.86 | 45.72 | 16.76          | 67.81  | 58.16          | 54.86 | -920                             |
| DLS-24-24UP | 1-1/2          | 38.10 | 1-7/8-12          | 33.90    | 2                              | 50.80 | 2-1/4 | 57.15          | 2-1/8          | 53.98          | 50.03 | 45.21 | 50.80 | 16.76          | 77.97  | 60.45          | 62.23 | -924                             |
| DLS-32-32UP | 2              | 50.80 | 2-1/2-12          | 45.97    | 2-3/4                          | 69.85 | 3     | 76.20          | 2-3/4          | 69.85          | 67.56 | 62.73 | 69.85 | 16.76          | 107.18 | 71.62          | 80.26 | -932                             |

### Instrukcja instalacji

Złącze z gwintem równoległym SAE oraz ISO.



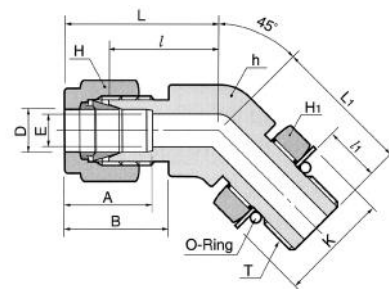
1. Nasmaruj o-ring smarem zgodnym z materiałem o-ringa oraz medium z układzie
2. Poluzuj nakrętkę dociskową
3. Wkręć ręcznie złącze w gwint wewnętrzny typu boss tak głęboko aż metalowa podkładka oprze się o powierzchnię płaską
4. Ustaw złącze w odpowiednim kierunku delikatnie odkręcając je, nie więcej niż jeden obrót
5. Trzymając korpus złącza w ustawionej pozycji dokręć kluczem nakrętkę dociskową aż podkładka dotknie powierzchni płaskiej.



# DLBS-UP

## Złącze kątowe 45° z gwintem zewnętrznym SAE z o-ringiem

Wartości ciśnień dla złączki DLBS-UP  
znajdują się w tabeli nr 20 na stronie 13



### Połączenie rury stalowej z wewnętrznym gwintem prostym SAE boss

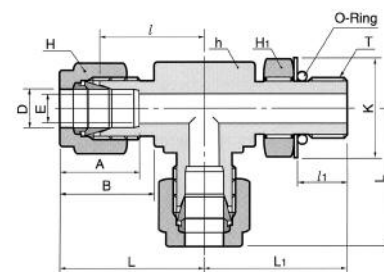
### DLBS-....UP

| Kod          | Śr. zewn. rury |       | Gwint prosty T(U) | E min | Odległość powierzchni płaskich |       |       |       |                |       | A     | B     | l     | l <sub>1</sub> | L     | L <sub>1</sub> | K    | Oznaczenie wielkości o-ringu |
|--------------|----------------|-------|-------------------|-------|--------------------------------|-------|-------|-------|----------------|-------|-------|-------|-------|----------------|-------|----------------|------|------------------------------|
|              | D              |       |                   |       | h                              |       | H     |       | H <sub>1</sub> |       |       |       |       |                |       |                |      |                              |
|              | in             | mm    |                   |       | in                             | mm    | in    | mm    | in             | mm    |       |       |       |                |       |                |      |                              |
| DLBS-4-4UP   | 1/4            | 6.35  | 7/16-20           | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28 | 9/16           | 14.28 | 15.24 | 17.78 | 18.28 | 9.90           | 25.65 | 16.51          | -904 |                              |
| DLBS-6-6UP   | 3/8            | 9.52  | 9/16-18           | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46 | 11/16          | 17.46 | 16.76 | 19.30 | 20.57 | 11.17          | 27.94 | 28.19          | -906 |                              |
| DLBS-8-8UP   | 1/2            | 12.70 | 3/4-16            | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 22.86 | 21.84 | 21.84 | 12.70          | 32.00 | 32.25          | -908 |                              |
| DLBS-12-12UP | 3/4            | 19.05 | 1-1/16-12         | 15.74 | 1-1/8                          | 28.58 | 1-1/8 | 28.58 | 1-1/4          | 31.75 | 24.38 | 21.84 | 29.71 | 16.76          | 39.87 | 47.24          | -912 |                              |
| DLBS-16-16UP | 1              | 25.40 | 1-5/16-12         | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 31.24 | 26.41 | 35.30 | 16.76          | 47.49 | 50.54          | -916 |                              |

# DTRS-UP

## Złącze typu TL z gwintem zewnętrznym SAE z o-ringiem

Wartości ciśnień dla złączki DTRS-UP  
znajdują się w tabeli nr 20 na stronie 13



### Połączenie rury stalowej z wewnętrznym gwintem prostym SAE boss

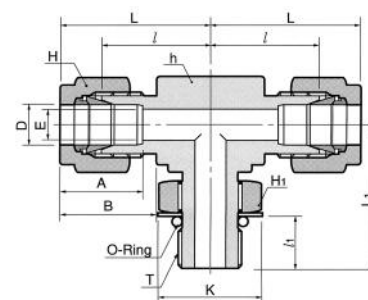
### DTRS-....UP

| Kod          | Śr. zewn. rury |       | Gwint prosty<br>T(U) | E<br>min | Odległość powierzchni płaskich |       |       |       |                |       | A     | B     | l     | l <sub>1</sub> | L      | L <sub>1</sub> | K     | Oznaczenie wielkości o-ringu |
|--------------|----------------|-------|----------------------|----------|--------------------------------|-------|-------|-------|----------------|-------|-------|-------|-------|----------------|--------|----------------|-------|------------------------------|
|              | D              |       |                      |          | h                              |       | H     |       | H <sub>1</sub> |       |       |       |       |                |        |                |       |                              |
|              | in             | mm    |                      |          | in                             | mm    | in    | mm    | in             | mm    |       |       |       |                |        |                |       |                              |
| DTRS-4-4UP   | 1/4            | 6.35  | 7/16-20              | 4.82     | 1/2                            | 12.70 | 9/16  | 14.28 | 9/16           | 14.28 | 15.24 | 17.78 | 21.08 | 9.90           | 28.44  | 28.44          | 16.51 | -904                         |
| DTRS-6-6UP   | 3/8            | 9.52  | 9/16-18              | 7.11     | 5/8                            | 15.87 | 11/16 | 17.46 | 11/16          | 17.46 | 16.76 | 19.30 | 24.63 | 11.17          | 32.00  | 32.25          | 20.06 | -906                         |
| DTRS-8-8UP   | 1/2            | 12.70 | 3/4-16               | 10.41    | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 22.86 | 21.84 | 27.43 | 12.70          | 37.59  | 37.84          | 25.65 | -908                         |
| DTRS-12-12UP | 3/4            | 19.05 | 1-1/16-12            | 15.74    | 1-1/8                          | 26.98 | 1-1/8 | 28.58 | 1-1/4          | 31.75 | 24.38 | 21.84 | 31.24 | 16.76          | 41.40  | 48.76          | 36.57 | -912                         |
| DTRS-16-16UP | 1              | 25.40 | 1-5/16-12            | 22.35    | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-1/2          | 38.10 | 31.24 | 26.41 | 38.35 | 16.76          | 50.54  | 50.54          | 43.94 | -916                         |
| DTRS-20-20UP | 1-1/4          | 31.75 | 1-5/8-12             | 27.68    | 1-11/16                        | 42.86 | 1-7/8 | 47.63 | 1-7/8          | 47.63 | 41.14 | 38.86 | 45.72 | 16.76          | 67.81  | 58.16          | 54.86 | -920                         |
| DTRS-24-24UP | 1-1/2          | 38.10 | 1-7/8-12             | 33.90    | 2                              | 50.80 | 2-1/4 | 57.15 | 2-1/8          | 53.98 | 50.03 | 45.21 | 50.80 | 16.76          | 77.97  | 60.45          | 62.23 | -924                         |
| DTRS-32-32UP | 2              | 50.80 | 2-1/2-12             | 45.97    | 2-3/4                          | 69.85 | 3     | 76.20 | 2-3/4          | 69.85 | 67.56 | 62.73 | 69.85 | 16.76          | 107.18 | 71.62          | 80.26 | -932                         |

# DTBS-UP

## Złącze typu T z gwintem zewnętrznym SAE z o-ringiem

Wartości ciśnień dla złączki DTBS-UP  
znajdują się w tabeli nr 20 na stronie 13



### Połączenie rury stalowej z wewnętrznym gwintem prostym SAE boss

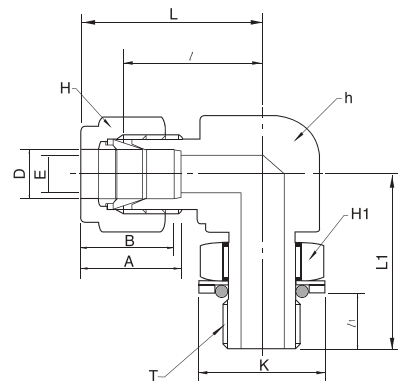
### DTBS-....UP

| Kod          | Śr. zewn. rury |       | Gwint prosty T(U) | E min | Odległość powierzchni płaskich |       |       |                |       |       | A     | B     | l     | l <sub>1</sub> | L      | L <sub>1</sub> | K     | Oznaczenie wielkości o-ringu |
|--------------|----------------|-------|-------------------|-------|--------------------------------|-------|-------|----------------|-------|-------|-------|-------|-------|----------------|--------|----------------|-------|------------------------------|
|              | D              |       |                   |       | h                              | H     |       | H <sub>1</sub> |       |       |       |       |       |                |        |                |       |                              |
|              | in             | mm    |                   |       |                                | in    | mm    | in             | mm    |       |       |       |       |                |        |                |       |                              |
| DTBS-4-4UP   | 1/4            | 6.35  | 7/16-20           | 4.82  | 1/2                            | 12.70 | 9/16  | 14.28          | 9/16  | 14.28 | 15.24 | 17.78 | 21.08 | 9.90           | 28.44  | 28.44          | 16.51 | -904                         |
| DTBS-6-6UP   | 3/8            | 9.52  | 9/16-18           | 7.11  | 5/8                            | 15.87 | 11/16 | 17.46          | 11/16 | 17.46 | 16.76 | 19.30 | 24.63 | 11.17          | 32.00  | 32.25          | 20.06 | -906                         |
| DTBS-8-8UP   | 1/2            | 12.70 | 3/4-16            | 10.41 | 13/16                          | 20.64 | 7/8   | 22.22          | 7/8   | 22.22 | 22.86 | 21.84 | 27.43 | 12.70          | 37.59  | 37.84          | 25.65 | -908                         |
| DTBS-12-12UP | 3/4            | 19.05 | 1-1/16-12         | 15.74 | 1-1/16                         | 26.98 | 1-1/8 | 28.58          | 1-1/4 | 31.75 | 24.38 | 21.84 | 31.24 | 16.76          | 41.40  | 48.76          | 36.57 | -912                         |
| DTBS-16-16UP | 1              | 25.40 | 1-5/16-12         | 22.35 | 1-3/8                          | 34.92 | 1-1/2 | 38.10          | 1-1/2 | 38.10 | 31.24 | 26.41 | 38.35 | 16.76          | 50.54  | 53.59          | 43.94 | -916                         |
| DTBS-20-20UP | 1-1/4          | 31.75 | 1-5/8-12          | 27.68 | 1-11/16                        | 42.86 | 1-7/8 | 47.63          | 1-7/8 | 47.63 | 41.14 | 38.86 | 45.72 | 16.76          | 67.81  | 58.16          | 54.86 | -920                         |
| DTBS-24-24UP | 1-1/2          | 38.10 | 1-7/8-12          | 33.90 | 2                              | 50.80 | 2-1/4 | 57.15          | 2-1/8 | 53.98 | 50.03 | 45.21 | 50.80 | 16.76          | 77.97  | 60.45          | 62.23 | -924                         |
| DTBS-32-32UP | 2              | 50.80 | 2-1/2-12          | 45.97 | 2-3/4                          | 69.85 | 3     | 76.20          | 2-3/4 | 69.85 | 67.56 | 62.73 | 69.85 | 16.76          | 107.18 | 71.62          | 80.26 | -932                         |

# DLM-GP

## Złącze kolankowe nastawne z gwintem zewnętrznym G (BSPP) z o-ringiem

Wartości ciśnień dla złączki DLM-GP  
znajdują się w tabeli nr 18 na stronie 11



### Połączenie rury stalowej z wewnętrznym gwintem równoległym ISO

**DLM-....-...GP**

| Kod         | Śr. zewn. rury |       | T<br>G (BSPP) | E<br>min | Odległość powierzchni płaskich |       |       |       |                |       | A     | B     | l    | l <sub>1</sub> | L     | L <sub>1</sub> | K     | Oznaczenie<br>wielkości<br>o-ringu |
|-------------|----------------|-------|---------------|----------|--------------------------------|-------|-------|-------|----------------|-------|-------|-------|------|----------------|-------|----------------|-------|------------------------------------|
|             | D              |       |               |          | h                              |       | H     |       | H <sub>1</sub> |       |       |       |      |                |       |                |       |                                    |
|             | in             | mm    |               |          | in                             | mm    | in    | mm    | in             | mm    |       |       |      |                |       |                |       |                                    |
| DLM-4-2GP   | 1/4            | 6.35  | 1/8           | 4.06     | 1/2                            | 12.70 | 9/16  | 14.28 | 9/16           | 14.28 | 15.24 | 17.78 | 19.6 | 8.12           | 26.92 | 26.42          | 15.20 | P8                                 |
| DLM-4-4GP   | 1/4            | 6.35  | 1/4           | 4.82     | 5/8                            | 15.87 | 11/16 | 17.46 | 3/4            | 19.05 | 15.24 | 17.78 | 21.6 | 9.14           | 28.95 | 32.30          | 20.30 | -111                               |
| DLM-6-4GP   | 3/8            | 9.52  | 1/4           | 5.84     | 5/8                            | 15.87 | 11/16 | 17.46 | 3/4            | 19.05 | 16.76 | 19.30 | 23.1 | 9.14           | 30.48 | 32.30          | 20.30 | -111                               |
| DLM-6-6GP   | 3/8            | 9.52  | 3/8           | 7.11     | 13/16                          | 20.64 | 11/16 | 17.46 | 3/4            | 19.05 | 16.76 | 19.30 | 25.9 | 9.39           | 33.27 | 37.10          | 24.40 | -113                               |
| DLM-8-4GP   | 1/2            | 12.70 | 1/4           | 5.84     | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 22.86 | 21.84 | 25.9 | 9.14           | 36.06 | 35.10          | 20.30 | -111                               |
| DLM-8-6GP   | 1/2            | 12.70 | 3/8           | 7.87     | 13/16                          | 20.64 | 7/8   | 22.22 | 7/8            | 22.22 | 22.86 | 21.84 | 25.9 | 9.39           | 36.06 | 37.10          | 24.40 | -113                               |
| DLM-8-8GP   | 1/2            | 12.70 | 1/2           | 10.41    | 15/16                          | 23.81 | 7/8   | 22.22 | 1-1/16         | 26.98 | 22.86 | 21.84 | 27.9 | 12.95          | 38.10 | 43.40          | 29.50 | P18                                |
| DLM-12-8GP  | 3/4            | 19.05 | 1/2           | 11.93    | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1-1/16         | 26.98 | 24.38 | 21.84 | 29.7 | 12.95          | 39.87 | 45.21          | 29.50 | P18                                |
| DLM-12-12GP | 3/4            | 19.05 | 3/4           | 15.74    | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 1-3/8          | 34.92 | 24.38 | 21.84 | 29.7 | 12.95          | 39.87 | 48.77          | 36.30 | -119                               |
| DLM-16-16GP | 1              | 25.40 | 1             | 19.81    | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 1-5/8          | 41.28 | 31.24 | 26.41 | 36.8 | 13.97          | 49.02 | 53.60          | 46.20 | -217                               |

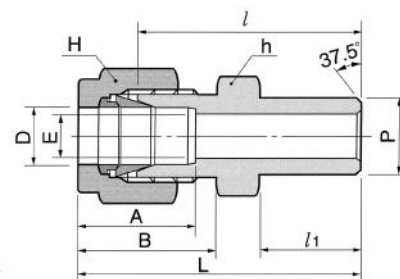
### Połączenie rury metrycznej z wewnętrznym gwintem równoległym ISO

**DLM-...M-...GP**

| Kod         | Śr. zewn. rury | T<br>G (BSPP) | E<br>min | Odl. pow. płaskich |    |                | A    | B    | l    | l <sub>1</sub> | L    | L <sub>1</sub> | K     | Oznaczenie<br>wielkości<br>o-ringu |
|-------------|----------------|---------------|----------|--------------------|----|----------------|------|------|------|----------------|------|----------------|-------|------------------------------------|
|             | D              |               |          | h                  | H  | H <sub>1</sub> |      |      |      |                |      |                |       |                                    |
| DLM-6M-2GP  | 6              | 1/8           | 4.0      | 12.7               | 14 | 14.28          | 15.3 | 17.7 | 19.6 | 8.1            | 27.0 | 26.4           | 15.20 | P8                                 |
| DLM-6M-4GP  | 6              | 1/4           | 4.8      | 15.8               | 14 | 19.05          | 15.3 | 17.7 | 21.6 | 9.1            | 29.0 | 32.3           | 20.30 | -111                               |
| DLM-6M-6GP  | 6              | 3/8           | 4.8      | 20.6               | 14 | 22.22          | 15.3 | 17.7 | 24.4 | 9.4            | 31.8 | 37.1           | 24.40 | -113                               |
| DLM-8M-2GP  | 8              | 1/8           | 4.0      | 14.2               | 16 | 14.28          | 16.2 | 18.6 | 21.3 | 8.1            | 28.8 | 27.4           | 15.20 | P8                                 |
| DLM-8M-4GP  | 8              | 1/4           | 5.9      | 15.8               | 16 | 19.05          | 16.2 | 18.6 | 22.4 | 9.1            | 29.9 | 32.2           | 20.30 | -111                               |
| DLM-10M-4GP | 10             | 1/4           | 5.9      | 20.6               | 19 | 19.05          | 17.2 | 19.5 | 25.9 | 9.1            | 33.5 | 35.0           | 20.30 | -113                               |
| DLM-10M-6GP | 10             | 3/8           | 7.9      | 20.6               | 19 | 22.22          | 17.2 | 19.5 | 25.9 | 9.4            | 33.5 | 37.1           | 24.40 | -111                               |
| DLM-12M-4GP | 12             | 1/4           | 5.9      | 20.6               | 22 | 19.05          | 22.8 | 22.0 | 25.9 | 9.1            | 36.0 | 35.0           | 20.30 | -113                               |
| DLM-12M-6GP | 12             | 3/8           | 7.9      | 20.6               | 22 | 22.22          | 22.8 | 22.0 | 25.9 | 9.4            | 36.0 | 37.1           | 24.40 | -113                               |
| DLM-12M-8GP | 12             | 1/2           | 9.5      | 23.8               | 22 | 26.98          | 22.8 | 22.0 | 27.9 | 13.0           | 38.0 | 43.4           | 29.50 | P18                                |

## Złącze proste z końcówką do spawania

Wartości ciśnień dla złączki DCW  
znajdują się w tabeli nr 24 na stronie 14



### Połączenie rur stalowych

DCW-....-...P

| Kod        | Śr. zewn. rury |       | Rozmiar rury spawanej |             | E     | Odległość pow. płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L      |
|------------|----------------|-------|-----------------------|-------------|-------|-------------------------|-------|-------|-------|-------|-------|-------|----------------|--------|
|            | D              |       | P                     |             |       | h                       |       | H     |       |       |       |       |                |        |
|            | in             | mm    | wielkość              | śred. zewn. |       | in                      | mm    | in    | mm    |       |       |       |                |        |
| DCW-2-2P   | 1/8            | 3.17  | 1/8                   | 10.29       | 2.28  | 7/16                    | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 23.87 | 9.65           | 31.24  |
| DCW-3-2P   | 3/16           | 4.76  | 1/8                   | 10.29       | 3.04  | 7/16                    | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 24.63 | 9.65           | 31.24  |
| DCW-4-2P   | 1/4            | 6.35  | 1/8                   | 10.29       | 4.82  | 1/2                     | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 25.40 | 9.65           | 32.76  |
| DCW-4-4P   | 1/4            | 6.35  | 1/4                   | 13.72       | 4.82  | 9/16                    | 14.28 | 9/16  | 14.28 | 15.24 | 17.78 | 30.48 | 14.22          | 37.84  |
| DCW-5-2P   | 5/16           | 7.93  | 1/8                   | 10.29       | 5.08  | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 26.67 | 9.65           | 34.03  |
| DCW-5-4P   | 5/16           | 7.93  | 1/4                   | 13.72       | 6.35  | 9/16                    | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 31.24 | 14.22          | 38.60  |
| DCW-6-4P   | 3/8            | 9.52  | 1/4                   | 13.72       | 7.11  | 5/8                     | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 14.22          | 39.87  |
| DCW-6-6P   | 3/8            | 9.52  | 3/8                   | 17.15       | 7.11  | 11/16                   | 17.46 | 11/16 | 17.46 | 16.76 | 19.30 | 32.51 | 14.22          | 39.87  |
| DCW-6-8P   | 3/8            | 9.52  | 1/2                   | 21.34       | 7.11  | 7/8                     | 22.22 | 11/16 | 17.46 | 16.76 | 19.30 | 38.86 | 11.05          | 43.23  |
| DCW-8-6P   | 1/2            | 12.70 | 3/8                   | 17.15       | 10.41 | 13/16                   | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 33.27 | 14.22          | 43.43  |
| DCW-8-8P   | 1/2            | 12.70 | 1/2                   | 21.34       | 10.41 | 7/8                     | 22.22 | 7/8   | 22.22 | 22.86 | 21.84 | 38.86 | 19.05          | 49.02  |
| DCW-8-12P  | 1/2            | 12.70 | 3/4                   | 26.67       | 10.41 | 1-1/16                  | 26.98 | 7/8   | 22.22 | 22.86 | 21.84 | 40.38 | 19.05          | 50.54  |
| DCW-10-8P  | 5/8            | 15.87 | 1/2                   | 21.34       | 12.70 | 15/16                   | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 38.86 | 19.05          | 49.02  |
| DCW-12-12P | 3/4            | 19.05 | 3/4                   | 26.67       | 15.74 | 1-1/16                  | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 40.38 | 19.05          | 50.54  |
| DCW-16-16P | 1              | 25.40 | 1                     | 33.40       | 22.35 | 1-3/8                   | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 50.03 | 23.87          | 62.23  |
| DCW-20-20P | 1-1/4          | 31.75 | 1-1/4                 | 42.16       | 27.68 | 1-3/4                   | 44.45 | 2     | 50.80 | 41.14 | 38.86 | 55.11 | 23.87          | 77.21  |
| DCW-24-24P | 1-1/2          | 38.10 | 1-1/2                 | 48.26       | 33.90 | 2-1/8                   | 53.98 | 2-1/4 | 57.15 | 50.03 | 45.21 | 61.72 | 26.16          | 88.90  |
| DCW-32-32P | 2              | 50.80 | 2                     | 60.33       | 47.75 | 2-3/4                   | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 76.20 | 26.92          | 113.53 |

### Połączenie rur metrycznych

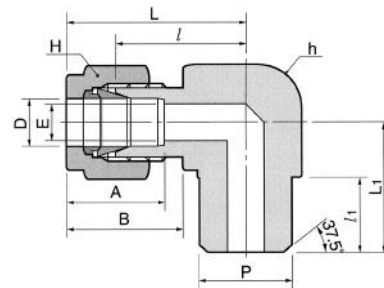
DCW-...M-...P

| Kod         | Śr. zewn. rury<br>D | Rozmiar rury spawanej<br>P |             | E<br>min | Odl. pow. płaskich |    | A    | B    | l    | l <sub>1</sub> | L    |
|-------------|---------------------|----------------------------|-------------|----------|--------------------|----|------|------|------|----------------|------|
|             |                     | wielkość                   | śred. zewn. |          | h                  | H  |      |      |      |                |      |
| DCW-3M-2P   | 3                   | 1/8                        | 10.29       | 2.4      | 12                 | 12 | 12.9 | 15.3 | 23.1 | 9.7            | 29.7 |
| DCW-4M-2P   | 4                   | 1/8                        | 10.29       | 2.4      | 12                 | 12 | 13.7 | 16.1 | 24.1 | 9.7            | 30.7 |
| DCW-6M-2P   | 6                   | 1/8                        | 10.29       | 4.8      | 14                 | 14 | 15.3 | 17.7 | 25.4 | 9.7            | 32.8 |
| DCW-6M-4P   | 6                   | 1/4                        | 13.72       | 4.8      | 14                 | 14 | 15.3 | 17.7 | 30.2 | 14.2           | 37.6 |
| DCW-8M-2P   | 8                   | 1/8                        | 10.29       | 5.1      | 15                 | 16 | 16.2 | 18.6 | 26.7 | 9.7            | 34.2 |
| DCW-8M-4P   | 8                   | 1/4                        | 13.72       | 6.4      | 15                 | 16 | 16.2 | 18.6 | 31.2 | 14.2           | 38.7 |
| DCW-8M-8P   | 8                   | 1/2                        | 21.34       | 6.4      | 22                 | 16 | 16.2 | 18.6 | 37.3 | 19.0           | 44.8 |
| DCW-10M-4P  | 10                  | 1/4                        | 13.72       | 7.1      | 18                 | 19 | 17.2 | 19.5 | 33.3 | 14.2           | 40.9 |
| DCW-10M-6P  | 10                  | 3/8                        | 17.15       | 7.9      | 18                 | 19 | 17.2 | 19.5 | 32.5 | 14.2           | 40.1 |
| DCW-10M-8P  | 10                  | 1/2                        | 21.34       | 7.9      | 22                 | 19 | 17.2 | 19.5 | 38.1 | 19.0           | 45.7 |
| DCW-12M-4P  | 12                  | 1/4                        | 13.72       | 7.1      | 22                 | 22 | 22.8 | 22.0 | 33.3 | 14.2           | 43.4 |
| DCW-12M-6P  | 12                  | 3/8                        | 17.15       | 9.5      | 22                 | 22 | 22.8 | 22.0 | 33.3 | 14.2           | 43.4 |
| DCW-12M-8P  | 12                  | 1/2                        | 21.34       | 9.5      | 22                 | 22 | 22.8 | 22.0 | 38.1 | 19.0           | 48.2 |
| DCW-14M-6P  | 14                  | 3/8                        | 17.15       | 10.3     | 24                 | 25 | 24.4 | 22.0 | 34.0 | 14.2           | 44.1 |
| DCW-15M-8P  | 15                  | 1/2                        | 21.34       | 11.9     | 24                 | 25 | 24.4 | 22.0 | 38.9 | 19.0           | 49.0 |
| DCW-16M-8P  | 16                  | 1/2                        | 21.34       | 12.7     | 24                 | 25 | 24.4 | 22.0 | 38.9 | 19.0           | 49.0 |
| DCW-18M-8P  | 18                  | 1/2                        | 21.34       | 13.5     | 27                 | 30 | 24.4 | 22.0 | 40.4 | 19.0           | 50.5 |
| DCW-32M-20P | 32                  | 1-1/4                      | 42.16       | 28.6     | 46                 | 50 | 42.0 | 41.6 | 56.6 | 23.9           | 79.6 |
| DCW-38M-24P | 38                  | 1-1/2                      | 48.26       | 33.7     | 55                 | 60 | 49.4 | 47.9 | 64.0 | 26.2           | 91.6 |

## DLW

## Złącze kolankowe z końcówką do spawania

Wartości ciśnień dla złączki DLW  
znajdują się w tabeli nr 24 na stronie 14



## Połączenie rur stalowych

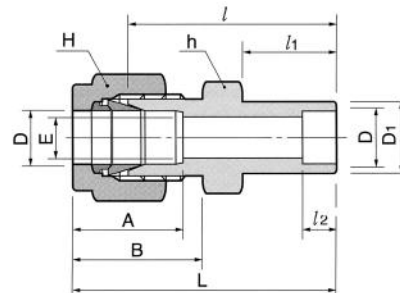
## DLW-....P

| Kod        | Śr. zewn. rury |       | Rozmiar rury spawanej |             | E     | Odl. powierzchni płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | L <sub>1</sub> |
|------------|----------------|-------|-----------------------|-------------|-------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|----------------|
|            | D              |       | P                     | śred. zewn. |       | h                         |       | H     |       |       |       |       |                |       |                |
|            | in             | mm    |                       |             |       | wielkość                  | in    | mm    | in    |       |       |       |                |       |                |
| DLW-2-2P   | 1/8            | 3.17  | 1/8                   | 10.29       | 4.82  | 1/2                       | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 9.65           | 26.92 | 18.79          |
| DLW-4-4P   | 1/4            | 6.35  | 1/4                   | 13.72       | 4.82  | 1/2                       | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 14.22          | 26.92 | 23.36          |
| DLW-6-4P   | 3/8            | 9.52  | 1/4                   | 13.72       | 7.11  | 5/8                       | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 14.22          | 30.48 | 25.40          |
| DLW-8-8P   | 1/2            | 12.70 | 1/2                   | 21.34       | 10.41 | 13/16                     | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 19.05          | 36.06 | 33.02          |
| DLW-12-12P | 3/4            | 19.05 | 3/4                   | 26.67       | 15.74 | 1-1/16                    | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 19.05          | 39.87 | 36.83          |

## DCSW

## Złącze proste z gniazdem do spawania

Wartości ciśnień dla złączki DCSW  
znajdują się w tabeli nr 23 na stronie 14



## Połączenie rur stalowych

## DCSW-...

| Kod        | Śr. zewn. rury |       | E     | D <sub>1</sub> | Odl. powierzchni płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | l <sub>2</sub> | L     |
|------------|----------------|-------|-------|----------------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|----------------|-------|
|            | D              |       |       |                | h                         |       | H     |       |       |       |       |                |                |       |
|            | in             | mm    |       |                | in                        | mm    | in    | mm    |       |       |       |                |                |       |
| DCSW-2-2   | 1/8            | 3.17  | 2.28  | 7.87           | 7/16                      | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 22.35 | 8.63           | 6.35           | 28.95 |
| DCSW-4-4   | 1/4            | 6.35  | 4.82  | 11.17          | 1/2                       | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 26.16 | 10.41          | 7.87           | 33.52 |
| DCSW-6-6   | 3/8            | 9.52  | 7.11  | 15.74          | 5/8                       | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 30.22 | 11.93          | 9.65           | 37.59 |
| DCSW-8-8   | 1/2            | 12.70 | 10.41 | 19.05          | 13/16                     | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 30.98 | 11.93          | 12.70          | 41.14 |
| DCSW-12-12 | 3/4            | 19.05 | 15.74 | 26.67          | 1-1/16                    | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 33.27 | 11.93          | 14.22          | 43.43 |
| DCSW-16-16 | 1              | 25.40 | 22.35 | 33.27          | 1-3/8                     | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 40.38 | 14.22          | 19.05          | 52.57 |

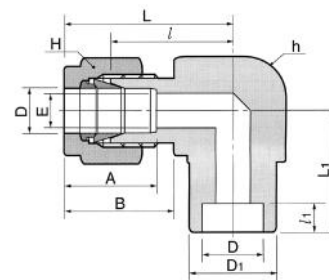
## Informacje o złączach Dk-Lok do spawania

Złącza Dk-Lok z zakończeniem przeznaczonym do spawania mają twardość 80 shore lub więcej.

- Zdejmij nakrętkę i pierścienie ze złącza Dk-Lok
  - Zabezpieczy to elementy przed przegrzaniem
- Zakryj gwint złącza np. poprzez nakręcenie korka Dk-Lok (DP)
  - Zabezpieczy to gwint oraz powierzchnie uszczelniające
  - Zaślepkę dokręć ręcznie aby można było ją użyć wielokrotnie
- Wykonaj cztery spawy chwytające, każdy przesunięty o 90 stopni na obwodzie
  - Dzięki nim złącze będzie przyspawane w osi oraz centrycznie
- Dokończ spawanie
- Odkręć z gwintu zabezpieczenie i umieść z powrotem pierścienie i nakrętkę

## Złącze kolankowe z gniazdem do spawania

Wartości ciśnień dla złączki DLSW  
znajdują się w tabeli nr 23 na stronie 14



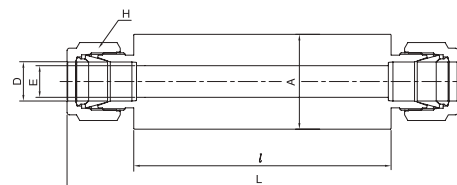
### Połączenie rur stalowych

DLSW-...

| Kod        | Śr. zewn. rury |       | E<br>min | D <sub>1</sub> | Odl. powierzchni płaskich |       |       |       | A     | B     | l     | l <sub>1</sub> | L     | L <sub>1</sub> |
|------------|----------------|-------|----------|----------------|---------------------------|-------|-------|-------|-------|-------|-------|----------------|-------|----------------|
|            | in             | mm    |          |                | h                         | H     | A     | B     |       |       |       |                |       |                |
| DLSW-4-4   | 1/4            | 6.35  | 4.82     | 12.70          | 1/2                       | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 19.55 | 7.87           | 26.92 | 19.55          |
| DLSW-6-6   | 3/8            | 9.52  | 7.11     | 15.74          | 5/8                       | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 23.11 | 9.65           | 30.48 | 23.11          |
| DLSW-8-8   | 1/2            | 12.70 | 10.41    | 20.57          | 13/16                     | 20.64 | 7/8   | 22.22 | 22.86 | 21.84 | 25.90 | 12.70          | 36.06 | 25.90          |
| DLSW-12-12 | 3/4            | 19.05 | 15.74    | 26.92          | 1-1/16                    | 26.98 | 1-1/8 | 28.58 | 24.38 | 21.84 | 29.71 | 14.22          | 39.87 | 29.71          |
| DLSW-16-16 | 1              | 25.40 | 22.35    | 35.05          | 1-3/8                     | 34.93 | 1-1/2 | 38.10 | 31.24 | 26.41 | 36.83 | 19.05          | 49.02 | 36.83          |

## DBUW

### Złącze proste przegrodowe do spawania



### Połączenie rur stalowych

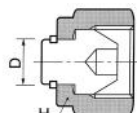
DBUW-...

| Kod    | Śr. zewn. rury |       | E<br>min | A<br>Średnica | Odl. pow. płaskich |       | l    | L     |
|--------|----------------|-------|----------|---------------|--------------------|-------|------|-------|
|        | in             | mm    |          |               | H                  |       |      |       |
| DBUW-4 | 1/4            | 6.35  | 4.8      | 16.0          | 9/16               | 14.28 | 80.0 | 115.4 |
| DBUW-6 | 3/8            | 9.52  | 7.1      | 19.0          | 11/16              | 17.46 | 80.0 | 118.4 |
| DBUW-8 | 1/2            | 12.70 | 10.41    | 22.0          | 7/8                | 22.22 | 80.0 | 124.0 |

## DP

### Korek do złącza

Wartości ciśnień dla złączki DP  
znajdują się w tabeli nr 22  
na stronie 14



### Korek do stalowego portu Dk-lok DP-...

| Kod   | Śr. zewn. rury |       | Odl. pow. płaskich |       |
|-------|----------------|-------|--------------------|-------|
|       | in             | mm    | in                 | mm    |
| DP-1  | 1/16           | 1.59  | 5/16               | 7.93  |
| DP-2  | 1/8            | 3.17  | 7/16               | 11.11 |
| DP-3  | 3/16           | 4.76  | 1/2                | 12.70 |
| DP-4  | 1/4            | 6.35  | 9/16               | 14.28 |
| DP-5  | 5/16           | 7.93  | 5/8                | 15.87 |
| DP-6  | 3/8            | 9.52  | 11/16              | 17.46 |
| DP-8  | 1/2            | 12.70 | 7/8                | 22.22 |
| DP-10 | 5/8            | 15.87 | 1                  | 25.40 |
| DP-12 | 3/4            | 19.05 | 1-1/8              | 28.58 |
| DP-14 | 7/8            | 22.22 | 1-1/4              | 31.75 |
| DP-16 | 1              | 25.40 | 1-1/2              | 38.10 |
| DP-20 | 1-1/4          | 31.75 | 1-7/8              | 47.63 |
| DP-24 | 1-1/2          | 38.10 | 2-1/4              | 57.15 |
| DP-32 | 2              | 50.80 | 3                  | 76.20 |

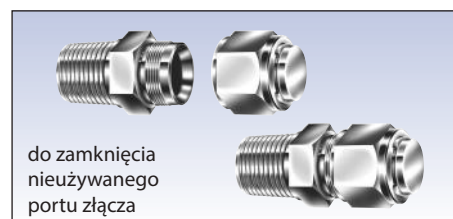
### Korek do metrycznego portu Dk-Lok DP-...M

| Kod    | Śr. zewn. rury |  | Odl. pow. płaskich |  |
|--------|----------------|--|--------------------|--|
|        | D              |  | H                  |  |
| DP-2M  | 2              |  | 12                 |  |
| DP-3M  | 3              |  | 12                 |  |
| DP-4M  | 4              |  | 12                 |  |
| DP-6M  | 6              |  | 14                 |  |
| DP-8M  | 8              |  | 16                 |  |
| DP-10M | 10             |  | 19                 |  |
| DP-12M | 12             |  | 22                 |  |
| DP-15M | 15             |  | 25                 |  |
| DP-16M | 16             |  | 25                 |  |
| DP-18M | 18             |  | 30                 |  |
| DP-20M | 20             |  | 32                 |  |
| DP-22M | 22             |  | 32                 |  |
| DP-25M | 25             |  | 38                 |  |
| DP-28M | 28             |  | 46                 |  |
| DP-32M | 32             |  | 50                 |  |
| DP-38M | 38             |  | 60                 |  |

### Instrukcja instalacji

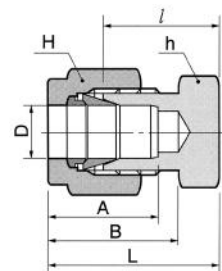
Korek służy do zamknięcia nieużywanego portu Dk-Lok

- Usunąć nakrętkę i pierścienie z korpusu złącza Dk-Lok
- Dokręcić ręcznie korek
- Wykonać tylko 1/4 obrotu nakrętką korka jednocześnie kontrolując korpus złącza
  - Nie wykonać 1 i 1/4 obrotu gdyż nie jest to standardowa nakrętką
  - Dla rurek 1/16" i 1/8" oraz 3 i 4 mm wykonać tylko 1/8 obrotu



## Zaślepka do rury

Wartości ciśnień dla złączki DC  
znajdują się w tabeli nr 22 na stronie 14



## Zaślepka do stalowej rury

DC-...

| Kod   | Średnica zewn. rury |       | Odległość powierzchni płaskich |       |       |       | A     | B     | l     | L     |
|-------|---------------------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
|       | D                   |       | h                              |       | H     |       |       |       |       |       |
|       | in                  | mm    | in                             | mm    | in    | mm    |       |       |       |       |
| DC-1  | 1/16                | 1.59  | 5/16                           | 7.93  | 5/16  | 7.93  | 8.63  | 10.92 | 11.20 | 14.18 |
| DC-2  | 1/8                 | 3.17  | 7/16                           | 11.11 | 7/16  | 11.11 | 12.70 | 15.24 | 13.46 | 20.06 |
| DC-3  | 3/16                | 4.76  | 7/16                           | 11.11 | 1/2   | 12.70 | 13.71 | 16.00 | 14.73 | 21.33 |
| DC-4  | 1/4                 | 6.35  | 1/2                            | 12.70 | 9/16  | 14.28 | 15.24 | 17.78 | 16.00 | 23.26 |
| DC-5  | 5/16                | 7.93  | 9/16                           | 14.28 | 5/8   | 15.87 | 16.25 | 18.54 | 17.01 | 24.38 |
| DC-6  | 3/8                 | 9.52  | 5/8                            | 15.87 | 11/16 | 17.46 | 16.76 | 19.30 | 18.28 | 25.65 |
| DC-8  | 1/2                 | 12.70 | 13/16                          | 20.63 | 7/8   | 22.22 | 22.86 | 21.84 | 19.05 | 29.21 |
| DC-10 | 5/8                 | 15.87 | 15/16                          | 23.81 | 1     | 25.40 | 24.38 | 21.84 | 19.81 | 29.97 |
| DC-12 | 3/4                 | 19.05 | 1-1/16                         | 26.98 | 1-1/8 | 28.57 | 24.38 | 21.84 | 21.33 | 31.49 |
| DC-14 | 7/8                 | 22.22 | 1-3/16                         | 30.16 | 1-1/4 | 31.75 | 25.90 | 21.84 | 23.87 | 34.03 |
| DC-16 | 1                   | 25.40 | 1-3/8                          | 34.92 | 1-1/2 | 38.10 | 31.24 | 26.41 | 26.16 | 38.35 |
| DC-20 | 1-1/4               | 31.75 | 1-3/4                          | 44.45 | 1-7/8 | 47.63 | 41.14 | 38.86 | 31.24 | 53.34 |
| DC-24 | 1-1/2               | 38.10 | 2-1/8                          | 53.98 | 2-1/4 | 57.15 | 50.15 | 45.21 | 37.33 | 64.51 |
| DC-32 | 2                   | 50.80 | 2-3/4                          | 69.85 | 3     | 76.20 | 67.56 | 62.73 | 49.27 | 86.61 |

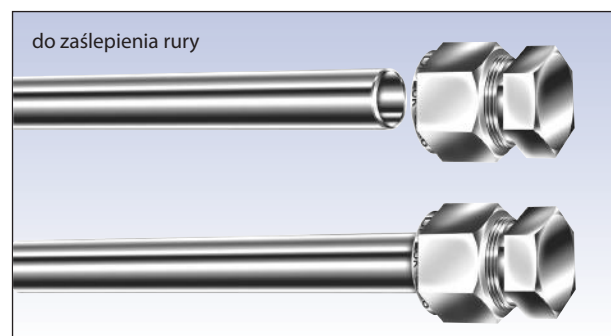
## Zaślepka do metrycznej rury

DC-...M

| Kod    | Śr. zewn. rury | Odległość powierzchni płaskich |    | A    | B    | l    | L    |
|--------|----------------|--------------------------------|----|------|------|------|------|
|        | D              | h                              | H  |      |      |      |      |
| DC-2M  | 2              | 12                             | 12 | 12.9 | 15.3 | 13.5 | 20.1 |
| DC-3M  | 3              | 12                             | 12 | 12.9 | 15.3 | 13.5 | 20.1 |
| DC-4M  | 4              | 12                             | 12 | 13.7 | 16.1 | 14.7 | 21.3 |
| DC-6M  | 6              | 14                             | 14 | 15.3 | 17.7 | 15.7 | 23.1 |
| DC-8M  | 8              | 15                             | 16 | 16.2 | 18.6 | 17.0 | 24.5 |
| DC-10M | 10             | 18                             | 19 | 17.2 | 19.5 | 19.0 | 26.6 |
| DC-12M | 12             | 22                             | 22 | 22.8 | 22.0 | 19.0 | 29.1 |
| DC-15M | 15             | 24                             | 25 | 24.4 | 22.0 | 19.8 | 29.9 |
| DC-16M | 16             | 24                             | 25 | 24.4 | 22.0 | 19.8 | 29.9 |
| DC-18M | 18             | 27                             | 30 | 24.4 | 22.0 | 21.3 | 31.4 |
| DC-20M | 20             | 30                             | 32 | 26.0 | 22.0 | 23.9 | 34.0 |
| DC-22M | 22             | 30                             | 32 | 26.0 | 22.0 | 23.9 | 34.0 |
| DC-25M | 25             | 35                             | 38 | 31.3 | 26.5 | 26.2 | 38.5 |
| DC-28M | 28             | 41                             | 46 | 36.6 | 36.6 | 27.7 | 48.5 |
| DC-32M | 32             | 46                             | 50 | 42.0 | 41.6 | 32.8 | 55.8 |
| DC-38M | 38             | 55                             | 60 | 49.4 | 47.9 | 37.8 | 65.4 |

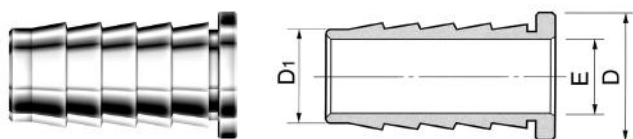
## Instrukcja instalacji

Zaślepka Dk-Lok służy do zamknięcia rury.



- Nałóż zaślepkę na końcówkę rury
  - Upewnij się, że koniec rury oparł się o wewnętrzną krawędź w zaślepce
- Dokręć ręcznie nakrętkę
- Wykonaj kluczem 1 i 1/4 obrotu kontrolując korpus złącza.
  - Dla rurek 1/16", 1/8", 3/16" oraz 2, 3, 4 mm wykonaj tylko 3/4 obrotu
  - W celu ponownego dokręcenia zapoznaj się z instrukcją powtórnego montażu

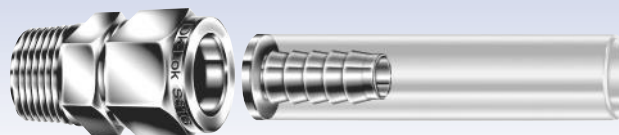




## Instrukcja instalacji

## Tuleja usztywniająca

Do węży nylonowych i innych miękkich przewodów



Tuleja usztywniająca Dk-Lok podtrzymuje wewnętrznie miękkie przewody. Pomaga ona połączyć miękkie przewody z portem Dk-Lok bez zgniecenia lub załamania przewodu.

1. Wprowadź całkowicie tuleję usztywniającą o wnętrza przewodu
2. Włóż przewód z tuleją do portu złącza Dk-Lok
3. Dokręć ręcznie nakrętkę
4. Wykonaj kluczem 1 i 1/4 obrotu kontrolując korpus złącza
  - a. Dla rurek 3/16" wykonaj tylko 3/4 obrotu

## Calowe

## DI-...

| Kod      | Rurka z tworzywa      |       |                                    |       | E     |
|----------|-----------------------|-------|------------------------------------|-------|-------|
|          | D (śred. zewn. rurki) |       | D <sub>1</sub> (śred. wewn. rurki) |       |       |
|          | in                    | mm    | in                                 | mm    |       |
| DI-3-2   | 3/16                  | 4.76  | 1/8                                | 3.17  | 2.28  |
| DI-4-2   | 1/4                   | 6.35  | 1/8                                | 3.17  | 2.28  |
| DI-4-3   | 1/4                   | 6.35  | 3/16                               | 4.76  | 3.55  |
| DI-5-2   | 5/16                  | 7.93  | 1/8                                | 3.17  | 2.28  |
| DI-5-3   | 5/16                  | 7.93  | 3/16                               | 4.76  | 3.04  |
| DI-5-4   | 5/16                  | 7.93  | 1/4                                | 6.35  | 4.82  |
| DI-6-3   | 3/8                   | 9.52  | 3/16                               | 4.76  | 3.04  |
| DI-6-4   | 3/8                   | 9.52  | 1/4                                | 6.35  | 4.82  |
| DI-8-4   | 1/2                   | 12.7  | 1/4                                | 6.35  | 4.82  |
| DI-8-6   | 1/2                   | 12.7  | 3/8                                | 9.52  | 7.87  |
| DI-10-6  | 5/8                   | 15.87 | 3/8                                | 9.52  | 7.87  |
| DI-10-8  | 5/8                   | 15.87 | 1/2                                | 12.70 | 11.17 |
| DI-12-8  | 3/4                   | 19.05 | 1/2                                | 12.70 | 11.17 |
| DI-12-10 | 3/4                   | 19.05 | 5/8                                | 15.87 | 14.22 |
| DI-16-12 | 1                     | 25.4  | 3/4                                | 19.05 | 17.52 |

## Metryczne

## DI-...M

| Kod        | Rurka z tworzywa      |                                    | E   |
|------------|-----------------------|------------------------------------|-----|
|            | D (śred. zewn. rurki) | D <sub>1</sub> (śred. wewn. rurki) |     |
| DI-6M-4M   | 6                     | 4                                  | 2.8 |
| DI-8M-6M   | 8                     | 6                                  | 4.4 |
| DI-10M-8M  | 10                    | 8                                  | 6.4 |
| DI-12M-8M  | 12                    | 8                                  | 6.4 |
| DI-12M-10M | 12                    | 10                                 | 8.3 |

## DFA

## Korek z bezpiecznikiem termicznym

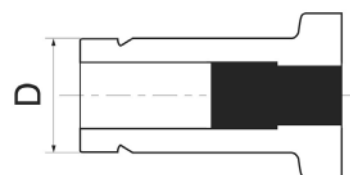
Dk-Lok adaptor z bezpiecznikiem termicznym jest stosowany w miejscach gdzie temperatura może zainicjować pożar lub wybuchową reakcję chemiczną. Stop umieszczony w bezpieczniku termicznym ulega stopieniu lub wydostaje się na zewnątrz przy określonej temperaturze. Adaptor jest zaprojektowany do zastosowania ze złączem Dk-Lok 3/8".

• Maksymalne dopuszczalne ciśnienie procesu: 8 bar (116 psig)



Korek z bezpiecznikiem

Złącze z zamontowanym korkiem



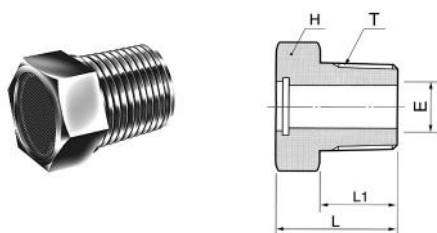
## Korek do portu calowego 3/8" Dk-Lok

## DFA-...

| Kod         | Średnica zewnętrzna rury |      | Oznaczenie temperatury | Nominalna temperatura otwarcia |
|-------------|--------------------------|------|------------------------|--------------------------------|
|             | D                        |      |                        |                                |
|             | in                       | mm   |                        |                                |
| DFA-6-160-S | 3/8                      | 9.52 | 160                    | 160°F (71°C)                   |
| DFA-6-201-S | 3/8                      | 9.52 | 201                    | 201°F (94°C)                   |
| DFA-6-255-S | 3/8                      | 9.52 | 255                    | 255°F (124°C)                  |
| DFA-6-281-S | 3/8                      | 9.52 | 281                    | 281°F (138°C)                  |

# DMD

## Protektor wydmuchu



### Połączenie do wewnętrznego gwintu NPT

**DMD-...**

| Kod     | T<br>(NPT) | E<br>min | H<br>in | H<br>mm | L     | L <sub>1</sub> |
|---------|------------|----------|---------|---------|-------|----------------|
| DMD-4N  | 1/4        | 7.11     | 9/16    | 15.87   | 20.57 | 14.22          |
| DMD-6N  | 3/8        | 10.40    | 11/16   | 17.46   | 20.57 | 14.22          |
| DMD-8N  | 1/2        | 12.70    | 7/8     | 23.81   | 26.92 | 19.05          |
| DMD-12N | 3/4        | 16.00    | 1-1/16  | 26.98   | 28.70 | 19.05          |

Przewiercony korek gwintowany z siateczką stalową z oczkami o średnicy 0,01 cala.

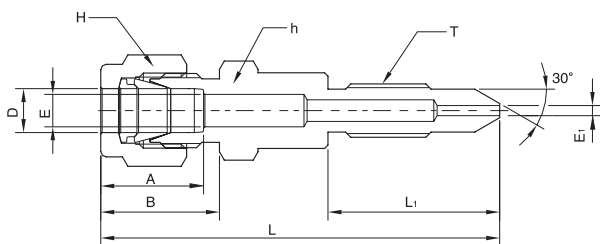
Protektor wydmuchu Dk-Lok zabezpiecza przed obcymi ciałami jak insekty czy cząstki stałe, które mogą dostać się do otwartej instalacji lub miejsc wydmuchu z układu.

# DPCM

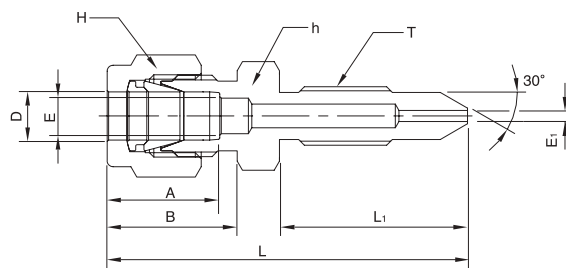
## Złącze kalibracyjne

Złącze kalibracyjne przetwornika DP

Złącze kalibracyjne Dk-Lok podłączone jest bezpośrednio do portu wylotowego różnicowego przetwornika ciśnienia. Uprascza ono proces kalibracji. Dostępne są dwa typy gwintów, jeden do różnicowych przetworników ciśnienia firmy Yokogawa/Rosemount oraz drugi do Honeywell. Stożkowa powierzchnia na końcu gwintu tworzy uszczelkę metal-metal, dzięki czemu nie jest wymagane uszczelnianie na taśmie teflonowej.

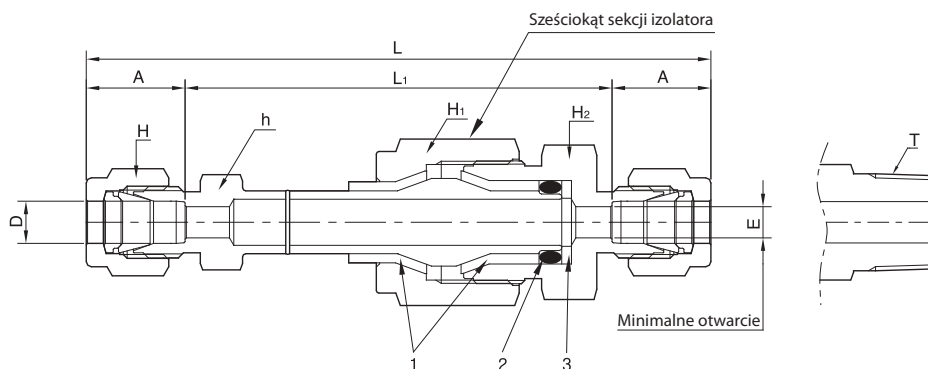


Złącze kalibracyjne z gwintem 2U do przetworników DP firmy Yokogawa/Rosemount.



Złącze kalibracyjne z gwintem 1U do przetworników DP firmy Honeywell.

| Kod         | Śr. zewn. rury |      | Gwint prosty<br>T(U) | E   | E <sub>1</sub><br>min | Odległość powierzchni płaskich |      |      |       | A     | B     | L     | L <sub>1</sub> |
|-------------|----------------|------|----------------------|-----|-----------------------|--------------------------------|------|------|-------|-------|-------|-------|----------------|
|             | D              |      |                      |     |                       | h                              |      | H    |       |       |       |       |                |
|             | in             | mm   |                      |     |                       | in                             | mm   | in   | mm    |       |       |       |                |
| DPCM-4-1U-S | 1/4            | 6.35 | 1/4-28               | 4.8 | 1.5                   | 1/2                            | 12.7 | 9/16 | 14.28 | 15.24 | 17.78 | 43.08 | 19.90          |
| DPCM-4-2U-S | 1/4            | 6.35 | 5/16-24              | 4.8 | 1.5                   | 1/2                            | 12.7 | 9/16 | 14.28 | 15.24 | 17.78 | 59.23 | 35.75          |



### Materiały

1. Izolator: tworzywo sztuczne
2. O-ring: FKM (Viton)
3. Podkładka oporowa: PTFE
- Korpus, pierścienie, nakrętka: stal AISI 316

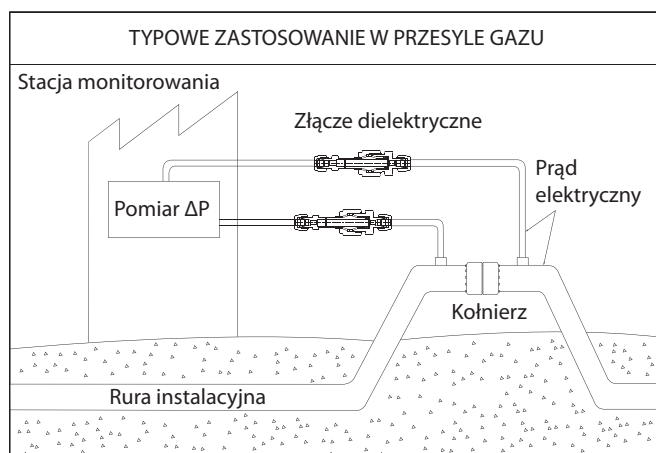
### Dane techniczne

- Zakres ciśnień: 4,000 psig (275 bar) przy 70 °F (21 °C)
- Zakres temperatur: -40 do 200 °F (-40 to 93 °C)
- Rezystancja elektryczna przy 70 °F (21 °C): 10x106Ω przy 10 VDC, napięcie przebicia 3000 VDC

| Kod       | Śr. zewn. rury |      | Gwint rurowy<br>T(NPT) | E min |     | A     | L     | L <sub>1</sub> | Odległość powierzchni płaskich |       |       |       |                |       |                |       |
|-----------|----------------|------|------------------------|-------|-----|-------|-------|----------------|--------------------------------|-------|-------|-------|----------------|-------|----------------|-------|
|           | in             | mm   |                        | in    | mm  |       |       |                | h                              |       | H     |       | H <sub>1</sub> |       | H <sub>2</sub> |       |
| DEU-4     | 1/4            | 6.35 |                        | 0.19  | 4.8 | 15.21 | 100.8 | 70.3           | 1/2                            | 12.7  | 9/16  | 14.28 | 7/8            | 22.22 | 13/16          | 20.64 |
| DEU-6     | 3/8            | 9.52 |                        | 0.28  | 7.1 | 16.78 | 104.3 | 70.8           | 5/8                            | 15.87 | 11/16 | 17.46 | 7/8            | 22.22 | 13/16          | 20.64 |
| DEU-8     | 1/2            | 12.7 |                        | 0.28  | 7.1 | 22.85 | 110.9 | 65.2           | 13/16                          | 20.6  | 7/8   | 22.22 | 7/8            | 22.22 | 13/16          | 20.64 |
| DEU-10M   |                | 10.0 |                        | 0.28  | 7.1 | 17.03 | 106.2 | 72.2           |                                | 18    |       | 19    | 7/8            | 22.22 | 13/16          | 20.64 |
| DEU-12M   |                | 12.0 |                        | 0.28  | 7.1 | 21.84 | 109.4 | 65.7           |                                | 22    |       | 22    | 7/8            | 22.22 |                | 22    |
| DEMC-6-4N | 3/8            | 9.52 | 1/4                    | 0.28  | 7.1 | 16.76 | 99.72 | -              | 5/8                            | 15.87 | 11/16 | 17.46 | 7/8            | 22.22 | 13/16          | 20.64 |

Złącze dielektryczne zostało zaprojektowane aby stosować je w układach, gdzie przepływ prądu elektrycznego musi zostać przerwany w celu ochrony instrumentu.

Złącze dielektryczne jest najczęściej stosowane w układach przesyłu gazu na rurkach impulsowych przed stacją monitorującą. Złącze umożliwia przepływ prądów stałych przy jednoczesnym pełnym przepływie medium.



### Funkcja

- Funkcja izolująca jest realizowana przez izolator tworzywowy
- O-ring FKM i podkładka PTFE umożliwia złączu zachowanie funkcji transportowej
- Dwu pierścieniowy system Dk-Lok zapewnia właściwe uszczelnienie linii impulsowej

### Uwaga

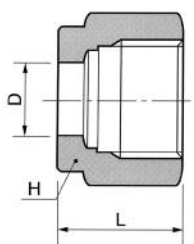


**UWAGA**  
nie dokręcaj tego sześciokąta  
i nie demontuj tego połączenia.

Naklejka „Nie dokręcaj” jest umieszczona na sześciokącie sekcji izolatora. Połączenia izolującego nie wolno demontować.

**DN****Nakrętka**

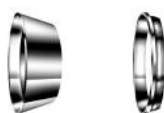
Wartości ciśnień dla złączki DN  
znajdują się w tabeli nr 22 na stronie 14

**Calowe DN...**

| Kod   | Śr. zewn. rury |       | Odl. pow. płaskich |       | L     |
|-------|----------------|-------|--------------------|-------|-------|
|       | in             | mm    | in                 | mm    |       |
| DN-1  | 1/16           | 1.59  | 5/16               | 7.93  | 7.90  |
| DN-2  | 1/8            | 3.17  | 7/16               | 11.11 | 11.93 |
| DN-3  | 3/16           | 4.76  | 1/2                | 12.70 | 11.93 |
| DN-4  | 1/4            | 6.35  | 9/16               | 14.28 | 12.70 |
| DN-5  | 5/16           | 7.93  | 5/8                | 15.87 | 13.46 |
| DN-6  | 3/8            | 9.52  | 11/16              | 17.46 | 14.22 |
| DN-8  | 1/2            | 12.70 | 7/8                | 22.22 | 17.52 |
| DN-10 | 5/8            | 15.87 | 1                  | 25.40 | 17.52 |
| DN-12 | 3/4            | 19.05 | 1-1/8              | 28.57 | 17.52 |
| DN-14 | 7/8            | 22.22 | 1-1/4              | 31.75 | 17.52 |
| DN-16 | 1              | 25.40 | 1-1/2              | 38.10 | 20.57 |
| DN-20 | 1-1/4          | 31.75 | 1-7/8              | 47.63 | 31.75 |
| DN-24 | 1-1/2          | 38.10 | 2-1/4              | 57.15 | 38.10 |
| DN-32 | 2              | 50.80 | 3                  | 76.20 | 52.32 |

**Metryczne DN...M**

| Kod    | Śr. zewn. rury |  | Odl. pow. płaskich |  | L     |
|--------|----------------|--|--------------------|--|-------|
|        | D              |  | H                  |  |       |
| DN-2M  | 2              |  | 12                 |  | 11.90 |
| DN-3M  | 3              |  | 12                 |  | 11.90 |
| DN-4M  | 4              |  | 12                 |  | 11.90 |
| DN-6M  | 6              |  | 14                 |  | 12.70 |
| DN-8M  | 8              |  | 16                 |  | 13.50 |
| DN-10M | 10             |  | 19                 |  | 15.10 |
| DN-12M | 12             |  | 22                 |  | 17.40 |
| DN-15M | 15             |  | 25                 |  | 17.40 |
| DN-16M | 16             |  | 25                 |  | 17.40 |
| DN-18M | 18             |  | 30                 |  | 17.40 |
| DN-20M | 20             |  | 32                 |  | 17.40 |
| DN-22M | 22             |  | 32                 |  | 17.40 |
| DN-25M | 25             |  | 38                 |  | 20.60 |
| DN-28M | 28             |  | 46                 |  | 30.60 |
| DN-32M | 32             |  | 50                 |  | 34.40 |
| DN-38M | 38             |  | 60                 |  | 40.60 |

**DFS****Zestaw z pierścieniami****Calowe DFS...**

| Kod    | Śr. zewn. rury |       |
|--------|----------------|-------|
|        | in             | mm    |
| DFS-1  | 1/16           | 1.59  |
| DFS-2  | 1/8            | 3.17  |
| DFS-3  | 3/16           | 4.76  |
| DFS-4  | 1/4            | 6.35  |
| DFS-5  | 5/16           | 7.93  |
| DFS-6  | 3/8            | 9.52  |
| DFS-8  | 1/2            | 12.70 |
| DFS-10 | 5/8            | 15.87 |
| DFS-12 | 3/4            | 19.05 |
| DFS-14 | 7/8            | 22.22 |
| DFS-16 | 1              | 25.40 |
| DFS-20 | 1-1/4          | 31.75 |
| DFS-24 | 1-1/2          | 38.10 |
| DFS-32 | 2              | 50.80 |

Jeden zestaw składa się z jednego pierścienia przedniego (DFF) i jednego pierścienia tylnego (DFB).

**Metryczne DFS...M**

| Kod     | Śr. zewn. rury |  |
|---------|----------------|--|
|         |                |  |
| DFS-2M  | 2              |  |
| DFS-3M  | 3              |  |
| DFS-4M  | 4              |  |
| DFS-6M  | 6              |  |
| DFS-8M  | 8              |  |
| DFS-10M | 10             |  |
| DFS-12M | 12             |  |
| DFS-14M | 14             |  |
| DFS-15M | 15             |  |
| DFS-16M | 16             |  |
| DFS-18M | 18             |  |
| DFS-20M | 20             |  |
| DFS-22M | 22             |  |
| DFS-25M | 25             |  |
| DFS-28M | 28             |  |
| DFS-30M | 30             |  |
| DFS-32M | 32             |  |
| DFS-38M | 38             |  |

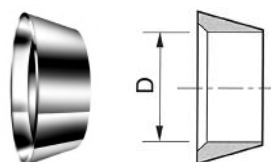
**DFSN****Zestaw nakrętek i pierścieni****Calowe DFSN...**

| Kod     | Śr. zewn. rury |  |
|---------|----------------|--|
|         | (in)           |  |
| DFSN-1  | 1/16           |  |
| DFSN-2  | 1/8            |  |
| DFSN-3  | 3/16           |  |
| DFSN-4  | 1/4            |  |
| DFSN-5  | 5/16           |  |
| DFSN-6  | 3/8            |  |
| DFSN-8  | 1/2            |  |
| DFSN-10 | 5/8            |  |
| DFSN-12 | 3/4            |  |
| DFSN-14 | 7/8            |  |
| DFSN-16 | 1              |  |
| DFSN-20 | 1-1/4          |  |
| DFSN-24 | 1-1/2          |  |
| DFSN-32 | 2              |  |

Jeden zestaw składa się z jednego pierścienia przedniego (DFF), jednego pierścienia tylnego (DFB) oraz jednej nakrętki (DN).

**Metryczne DFSN...M**

| Kod      | Śr. zewn. rury |  |
|----------|----------------|--|
|          | (mm)           |  |
| DFSN-2M  | 2              |  |
| DFSN-3M  | 3              |  |
| DFSN-4M  | 4              |  |
| DFSN-6M  | 6              |  |
| DFSN-8M  | 8              |  |
| DFSN-10M | 10             |  |
| DFSN-12M | 12             |  |
| DFSN-14M | 14             |  |
| DFSN-15M | 15             |  |
| DFSN-16M | 16             |  |
| DFSN-18M | 18             |  |
| DFSN-20M | 20             |  |
| DFSN-22M | 22             |  |
| DFSN-25M | 25             |  |
| DFSN-28M | 28             |  |
| DFSN-30M | 30             |  |
| DFSN-32M | 32             |  |
| DFSN-38M | 38             |  |

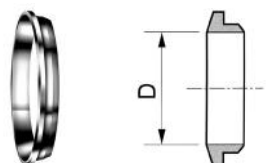


| Calowe |                               | DFF-... |       |
|--------|-------------------------------|---------|-------|
| Kod    | Średnica zewnętrzna rury<br>D | in      | mm    |
|        |                               |         |       |
| DFF-1  | 1/16                          |         | 1.59  |
| DFF-2  | 1/8                           |         | 3.17  |
| DFF-3  | 3/16                          |         | 4.76  |
| DFF-4  | 1/4                           |         | 6.35  |
| DFF-5  | 5/16                          |         | 7.93  |
| DFF-6  | 3/8                           |         | 9.52  |
| DFF-8  | 1/2                           |         | 12.70 |
| DFF-10 | 5/8                           |         | 15.87 |
| DFF-12 | 3/4                           |         | 19.05 |
| DFF-14 | 7/8                           |         | 22.22 |
| DFF-16 | 1                             |         | 25.40 |
| DFF-20 | 1-1/4                         |         | 31.75 |
| DFF-24 | 1-1/2                         |         | 38.10 |
| DFF-32 | 2                             |         | 50.80 |

| Metryczne |                          | DFF-...M |  |
|-----------|--------------------------|----------|--|
| Kod       | Średnica zewn. rury<br>D |          |  |
|           |                          |          |  |
| DFF-2M    | 2                        |          |  |
| DFF-3M    | 3                        |          |  |
| DFF-4M    | 4                        |          |  |
| DFF-6M    | 6                        |          |  |
| DFF-8M    | 8                        |          |  |
| DFF-10M   | 10                       |          |  |
| DFF-12M   | 12                       |          |  |
| DFF-15M   | 15                       |          |  |
| DFF-16M   | 16                       |          |  |
| DFF-18M   | 18                       |          |  |
| DFF-20M   | 20                       |          |  |
| DFF-22M   | 22                       |          |  |
| DFF-25M   | 25                       |          |  |
| DFF-28M   | 28                       |          |  |
| DFF-32M   | 32                       |          |  |
| DFF-38M   | 38                       |          |  |

## DFB

### Pierścień tylny



| Calowe |                               | DFB-... |       |
|--------|-------------------------------|---------|-------|
| Kod    | Średnica zewnętrzna rury<br>D | in      | mm    |
|        |                               |         |       |
| DFB-1  | 1/16                          |         | 1.59  |
| DFB-2  | 1/8                           |         | 3.17  |
| DFB-3  | 3/16                          |         | 4.76  |
| DFB-4  | 1/4                           |         | 6.35  |
| DFB-5  | 5/16                          |         | 7.93  |
| DFB-6  | 3/8                           |         | 9.52  |
| DFB-8  | 1/2                           |         | 12.70 |
| DFB-10 | 5/8                           |         | 15.87 |
| DFB-12 | 3/4                           |         | 19.05 |
| DFB-14 | 7/8                           |         | 22.22 |
| DFB-16 | 1                             |         | 25.40 |
| DFB-20 | 1-1/4                         |         | 31.75 |
| DFB-24 | 1-1/2                         |         | 38.10 |
| DFB-32 | 2                             |         | 50.80 |

| Metryczne |                          | DFB-...M |  |
|-----------|--------------------------|----------|--|
| Kod       | Średnica zewn. rury<br>D |          |  |
|           |                          |          |  |
| DFB-2M    | 2                        |          |  |
| DFB-3M    | 3                        |          |  |
| DFB-4M    | 4                        |          |  |
| DFB-6M    | 6                        |          |  |
| DFB-8M    | 8                        |          |  |
| DFB-10M   | 10                       |          |  |
| DFB-12M   | 12                       |          |  |
| DFB-15M   | 15                       |          |  |
| DFB-16M   | 16                       |          |  |
| DFB-18M   | 18                       |          |  |
| DFB-20M   | 20                       |          |  |
| DFB-22M   | 22                       |          |  |
| DFB-25M   | 25                       |          |  |
| DFB-28M   | 28                       |          |  |
| DFB-32M   | 32                       |          |  |
| DFB-38M   | 38                       |          |  |

## DPS

### Końcówka do zaciskania pierścieni



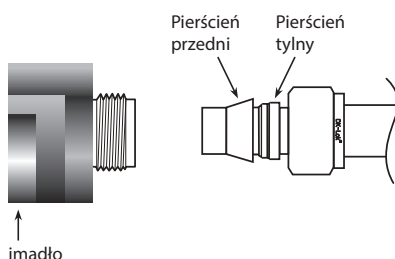
| Calowe   |                             | DPS-... |  |
|----------|-----------------------------|---------|--|
| Kod      | Średnica zewn. rury<br>(in) |         |  |
|          |                             |         |  |
| DPS-4-C  | 1/4                         |         |  |
| DPS-5-C  | 5/16                        |         |  |
| DPS-6-C  | 3/8                         |         |  |
| DPS-8-C  | 1/2                         |         |  |
| DPS-12-C | 3/4                         |         |  |

| Metryczne |                             | DPS-...M |  |
|-----------|-----------------------------|----------|--|
| Kod       | Średnica zewn. rury<br>(mm) |          |  |
|           |                             |          |  |
| DPS-3M-C  | 3                           |          |  |
| DPS-6M-C  | 6                           |          |  |
| DPS-8M-C  | 8                           |          |  |
| DPS-10M-C | 10                          |          |  |
| DPS-12M-C | 12                          |          |  |
| DPS-16M-C | 16                          |          |  |
| DPS-18M-C | 18                          |          |  |
| DPS-20M-C | 20                          |          |  |

### Instrukcja obsługi

#### Montaż na końcówce do zaciskania pierścieni

- Końcówkę zamontuj w imadle
- Włóż nakrętkę i pierścienie na rurkę
- Włóż rurkę z luźną nakrętką i pierścieniami do końcówki DPS aż oprze się na wewnętrznej krawędzi.
- Dokręć ręcznie nakrętkę.
- Zaznacz na nakrętce pozycję odpowiednią dla godziny 9 na zegarze
- Wykonaj kluczem 1 i 1/4 obrotu nakrętki tj. do pozycji godziny 12-tej
  - Dla rurek 1/16", 1/8", 3/16" oraz 2,3 i 4 mm wykonaj tylko 3/4 obrotu
- Odkręć nakrętkę
- Wyjmij rurkę z zaciśniętymi pierścieniami i nakrętką z końcówki DPS
  - Jeżeli wyjęcie rurki sprawia trudność spróbuj delikatnie ją kołysać w przód i tył.
  - Nie obracaj rurki.



#### Montaż na złączu

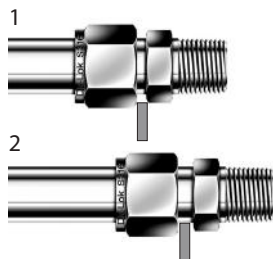
- Włóż rurkę z zaciśniętymi pierścieniami i nakrętką do wnętrza korpusu aż dobrze osiadzie
- Dokręć ręcznie nakrętkę
- Dokręć kluczem nakrętkę do pozycji wcześniejszego zaciśnięcia, w tym miejscu pojawia się gwałtowny wzrost oporu
- Dociągnij lekko za pomocą klucza

## DIG

## Sprawdzian szczelin

Sprawdzian szczelin służy do inspekcji pierwszego zaciśnięcia złączy Dk-Lok

## Instrukcja użycia



Przy pierwszym zaciśnięciu złącza użyj sprawdzianu szczelin Dk-Lok aby upewnić się, że odległość nakrętki i korpusu jest prawidłowa

Patrz rys. 1

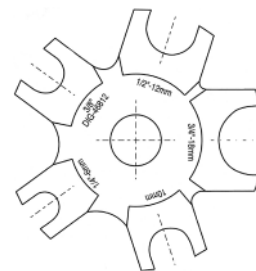
1. Sprawdzian szczelin nie mieści się w szczelinie pomiędzy nakrętką i korpusem złącza.

Oznacza to, że złącze jest wystarczająco dokręcone podczas pierwotnego montażu.

Patrz rys. 2

2. Sprawdzian szczelin wchodzi w szczelinę pomiędzy nakrętką i korpusem.

Złącze wymaga dodatkowego dociśnięcia.



| Kod     | Rozmiar złącza                                                                       |    |
|---------|--------------------------------------------------------------------------------------|----|
|         | in                                                                                   | mm |
| DIG-468 | Ten szczelinomierz służy do sprawdzenia ośmiu rozmiarów złączy<br>1/4, 3/8, 1/2, 3/4 |    |
| DIG-5   | 5/16                                                                                 | -  |
| DIG-12  | 3/4                                                                                  | -  |
| DIG-16  | 1                                                                                    | 25 |

## DTM

Narzędzie do  
znakowania rur

Przed pracą na rurach użyj wcześniej znaczniki Dk-Lok.

Narzędzie do znakowania rury pomaga określić wielkość zagłębienia rury w złączy.

| Calowe   |                             | DTM-... | Metryczne |                             | DTM-...M |
|----------|-----------------------------|---------|-----------|-----------------------------|----------|
| Kod      | Średnica zewn. rury<br>(in) |         | Kod       | Średnica zewn. rury<br>(mm) |          |
| DTM-4-C  | 1/4                         |         | DTM-6M-C  | 6                           |          |
| DTM-6-C  | 3/8                         |         | DTM-8M-C  | 8                           |          |
| DTM-8-C  | 1/2                         |         | DTM-10M-C | 10                          |          |
| DTM-10-C | 5/8                         |         | DTM-12M-C | 12                          |          |
| DTM-12-C | 3/4                         |         | DTM-16M-C | 16                          |          |
| DTM-16-C | 1                           |         | DTM-25M-C | 25                          |          |

Urządzenie  
do zaciskania

Hydrauliczne urządzenie do zaciskania

**DHS-2A**



Elektryczne urządzenie do zaciskania

**DES-1A**

Urządzenie do zaciskania pierścieni  
Dk-Lok na rurkach

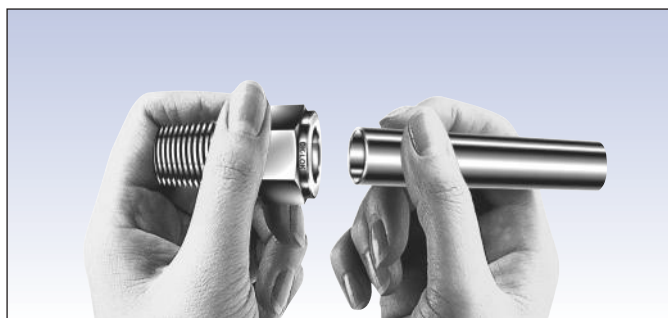
| in | 1/2, 5/8, 3/4, 1, 1 1/4, 1 1/2, 2              |
|----|------------------------------------------------|
| mm | 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38 |

Urządzenie do zaciskania musi być używane w przypadku złączy o rozmiarach 1 1/4", 1 1/2" i 2" oraz 28, 30, 32 i 38mm.

Aby otrzymać instrukcję obsługi urządzeń DHS-2A i DES-1A skontaktuj się z dystrybutorem.

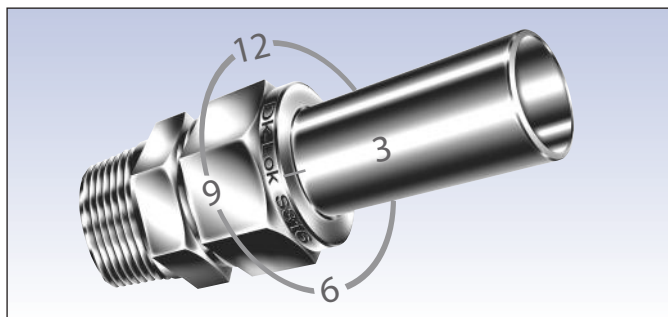


Złącza rurowe Dk-Lok są dostarczane w postaci zmontowanej poprzez skręcenie ręczne i są gotowe do użycia. Dlatego demontaż nakrętki czy pierścieni w celu wykonania instalacji jest zbędny.



## Krok 1

Upewnij się, że nakrętka jest wstępnie dokręcona w palcach. Włóż rurkę do złącza Dk-Lok tak głęboko aż oprze się o dolną krawędź.



## Krok 2

Wykonaj 1 i 1/4 obrotu nakrętki przy użyciu klucza płaskiego jednocześnie kontrolując sześciokąt korpusu złącza.

Aby być pewnym wykonania właściwej ilości obrotów sugerujemy wykonanie znaku na nakrętce na godzinie 9:00 (odnosząc sytuację do tarczy zegara). Po wykonaniu 1 i 1/4 obrotu znak powinien znaleźć się na godzinie 12:00.

Dla rurek 1/16", 1/8", 3/16" oraz 2, 3, 4 mm wykonujemy jednie 3/4 obrotu nakrętki kluczem płaskim, zaczynając od pozycji jaka jest po skręceniu wstępnym w palcach.

## Instrukcja ponownego montażu

Złącza Dk-Lok mogą być skręcane wielokrotnie. Przed ponownym skręceniem należy upewnić się, że wszystkie elementy są czyste i wolne od uszkodzeń.

## Krok 1

Rurkę z uprzednio zaciśniętymi pierścieniami oraz nałożoną nakrętką włóż do gniazda tak głęboko aby pewnie i sztywno „siedziała” w korpusie złącza.

## Krok 2

Dokręć nakrętkę w palcach. Następnie obróć nakrętkę kluczem do pozycji, w której znajdowała się po pierwotnym montażu (w tym miejscu nastąpi gwałtowny wzrost oporu przy obracaniu) po czym delikatnie dociśnij za pomocą klucza.

## Uwagi dotyczące instalacji rury

1. Nie próbuj wciskać rurki do gniazda złącza jeżeli czujesz wyraźny opór przy wkładaniu. Opór może być spowodowany owalną deformacją rurki lub też zadziorami na jej końcu.
2. Bardzo ważne jest aby stosować właściwy rodzaj przecinarki do rur o odpowiednio ostrym narzędziu tnącym.

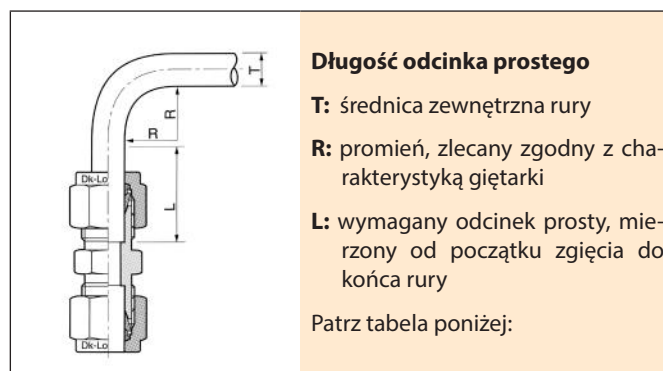
## Przechowywanie i obchodzenie się z rurami

Właściwe przechowywanie i obchodzenie się z rurami zapewni dobrą jakość ich powierzchni.

- rury powinny być przechowywane w pozycji pionowej aby uniknąć gromadzenia się w nich brudu i zanieczyszczeń.
- Jeżeli musisz przechowywać rury w pozycji poziomej powinien je zabezpieczyć poprzez przykrycie,
- rury nigdy nie powinny być ciągnięte po cementowej posadzce, asfalcie, żwirze lub jakiegokolwiek innej chropowatej powierzchni,
- tarcza przecinarki do rur lub brzeszczot piły ręcznej powinno być zawsze ostre podczas cięcia,
- wykonując cięcie przecinarką stosuj niezbyt duży skok tarczy na jeden obrót,
- po zakończeniu cięcia końce rur powinny zostać zawsze ogradowane,
- jeżeli to możliwe zakończenia rur powinny być kapslowane aby do środka nic się nie dostało,
- stosując przewody z poliamidu lub innego miękkiego materiału konieczne jest użycie tulei usztywniającej ( DI ) gdyż do wykonania montażu złącza potrzebny jest opór stawiany przez rurkę.

Stosując się do powyższych zaleceń unikniemy zniszczenia systemu uszczelniającego Dk-Lok podczas montażu rurki.

## Gięcie rur



### Długość odcinka prostego

**T:** średnica zewnętrzna rury

**R:** promień, zlecany zgodny z charakterystyką giętarki

**L:** wymagany odcinek prosty, mierzony od początku zgięcia do końca rury

Patrz tabela poniżej:

Gdy zgięcie rurki jest wykonane zbyt blisko złącza, odcinek zdeformowany może wejść do środka złącza co spowoduje brak szczelności.

Dlatego też należy przestrzegać właściwych długości odcinków prostych od złącza.

Długości te są prezentowane w poniższych tabelach.

| Odcinek prosty dla rur calowych |      |       |      |       |      |       |        |       |       |        |       |       |         |       |
|---------------------------------|------|-------|------|-------|------|-------|--------|-------|-------|--------|-------|-------|---------|-------|
| średnica zewn. rury (cale)      | 1/16 | 1/8   | 3/16 | 1/4   | 5/16 | 3/8   | 1/2    | 5/8   | 3/4   | 7/8    | 1     | 1 1/4 | 1 1/2   | 2     |
| min. dł. odcinka prostego       | 1/2  | 23/32 | 3/4  | 13/16 | 7/8  | 15/16 | 1 3/16 | 1 1/4 | 1 1/4 | 1 5/16 | 1 1/2 | 2     | 2 13/32 | 3 1/4 |

| Odcinek prosty dla rur metrycznych |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| średnica zewn. rury (mm)           | 3  | 6  | 8  | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 25 | 32 | 38 |  |
| min. dł. odcinka prostego          | 19 | 21 | 23 | 25 | 31 | 32 | 32 | 32 | 34 | 34 | 40 | 54 | 63 |  |

# Rury procesowe

## Rury bezszwowe, wyżarzane

Rury są zgodne z ASTM A213-AW oraz ASTM A269, poniżej 6 mm zgodne z ASTM A632

Tolerancja śr. zew. dla rur od 1/16" wynosi +/-0,05 mm

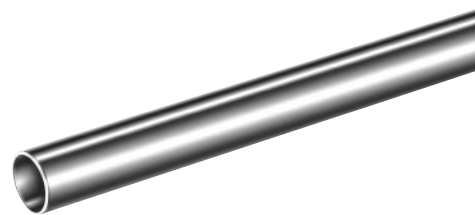
Tolerancja śr. zew. dla rur od 1/8" i 3/16" wynosi +/-0,08 mm

Tolerancja śr. zew. dla rur od 1/4" do 1" oraz 3 - 30 mm wynosi +/-0,08 mm

Tolerancja śr. zew. dla rur od 32 i 38 mm wynosi +/-0,15 mm

Tolerancja ścianki +/- 10%

Ciśnienie robocze określone zgodnie z ASME B31.3



### Rury stalowe - stal kwasoodporna

| Kod                 | Śr. zewn. rury |              | Ścianka | Waga  | Ciśnienie robocze<br>AISI 316/316L |     | Rury<br>do gazów |
|---------------------|----------------|--------------|---------|-------|------------------------------------|-----|------------------|
|                     | in ( mm )      | in (mm)      |         |       | psig                               | bar |                  |
| SND 01,59x0,36 s316 | 1/16" (1,59)   | 0,014 (0,36) | 0,011   | 0,011 | 9601                               | 662 | G                |
| SND 01,59x0,51 s316 | 1/16" (1,59)   | 0,020 (0,51) | 0,014   | 0,014 | 13937                              | 961 | G                |
| SND 03,18x0,71 s316 | 1/8" (3,18)    | 0,028 (0,71) | 0,044   | 0,044 | 9456                               | 652 | G                |
| SND 03,18x0,89 s316 | 1/8" (3,18)    | 0,035 (0,89) | 0,051   | 0,051 | 12096                              | 834 | G                |
| SND 04,76x0,89 s316 | 3/16" (4,76)   | 0,035 (0,89) | 0,086   | 0,086 | 7774                               | 536 | G                |
| SND 06,35x0,89 s316 | 1/4" (6,35)    | 0,035 (0,89) | 0,122   | 0,122 | 5598                               | 386 | G                |
| SND 06,35x1,24 s316 | 1/4" (6,35)    | 0,049 (1,24) | 0,159   | 0,159 | 8151                               | 562 | G                |
| SND 06,35x1,65 s316 | 1/4" (6,35)    | 0,065 (1,65) | 0,194   | 0,194 | 11167                              | 770 | G                |
| SND 07,94x0,89 s316 | 5/16" (7,94)   | 0,035 (0,89) | 0,157   | 0,157 | 4380                               | 302 | G                |
| SND 09,53x0,89 s316 | 3/8" (9,53)    | 0,035 (0,89) | 0,193   | 0,193 | 3597                               | 248 | G                |
| SND 09,53x1,24 s316 | 3/8" (9,53)    | 0,049 (1,24) | 0,257   | 0,257 | 5163                               | 356 | G                |
| SND 09,53x1,65 s316 | 3/8" (9,53)    | 0,065 (1,65) | 0,326   | 0,326 | 7106                               | 490 | G                |
| SND 09,53x2,11 s316 | 3/8" (9,53)    | 0,083 (2,11) | 0,391   | 0,391 | 9369                               | 646 | G                |
| SND 12,70x0,89 s316 | 1/2" (12,7)    | 0,035 (0,89) | 0,263   | 0,263 | 2654                               | 183 |                  |
| SND 12,70x1,24 s316 | 1/2" (12,7)    | 0,049 (1,24) | 0,356   | 0,356 | 3771                               | 260 | G                |
| SND 12,70x1,65 s316 | 1/2" (12,7)    | 0,065 (1,65) | 0,456   | 0,456 | 5149                               | 355 | G                |
| SND 12,70x2,11 s316 | 1/2" (12,7)    | 0,083 (2,11) | 0,559   | 0,559 | 6787                               | 468 | G                |
| SND 15,88x1,24 s316 | 5/8" (15,88)   | 0,049 (1,24) | 0,454   | 0,454 | 2973                               | 205 |                  |
| SND 15,88x1,65 s316 | 5/8" (15,88)   | 0,065 (1,65) | 0,588   | 0,588 | 4032                               | 278 | G                |
| SND 19,05x1,24 s316 | 3/4" (19,05)   | 0,049 (1,24) | 0,553   | 0,553 | 2451                               | 169 |                  |
| SND 19,05x1,65 s316 | 3/4" (19,05)   | 0,065 (1,65) | 0,718   | 0,718 | 3321                               | 229 | G                |
| SND 19,05x2,11 s316 | 3/4" (19,05)   | 0,083 (2,11) | 0,895   | 0,895 | 4322                               | 298 | G                |
| SND 19,05x2,41 s316 | 3/4" (19,05)   | 0,095 (2,41) | 1,00    | 1,00  | 5004                               | 345 | G                |
| SND 19,05x2,77 s316 | 3/4" (19,05)   | 0,109 (2,77) | 1,13    | 1,13  | 5845                               | 403 | G                |
| SND 25,40x1,24 s316 | 1" (25,4)      | 0,049 (1,24) | 0,750   | 0,750 | 1813                               | 125 |                  |
| SND 25,40x1,65 s316 | 1" (25,4)      | 0,065 (1,65) | 0,981   | 0,981 | 2451                               | 169 |                  |
| SND 25,40x2,11 s316 | 1" (25,4)      | 0,083 (2,11) | 1,23    | 1,23  | 3176                               | 219 | G                |
| SND 25,40x2,41 s316 | 1" (25,4)      | 0,095 (2,41) | 1,39    | 1,39  | 3655                               | 252 | G                |
| SND 38,1x2,41 s316  | 1 1/2" (38,1)  | 0,095 (2,41) | 2,15    | 2,15  | 2378                               | 164 |                  |
| SND 50,8x3,05 s316  | 2" (50,8)      | 0,120 (3,05) | 3,65    | 3,65  | 2248                               | 155 |                  |

Uwaga: standardowa długość rury wynosi 5-6 m. Na życzenie klienta rury mogą być dostarczane w odcinkach krótszych, będących wielokrotnością 1 m.  
G - symbolem „G” oznaczone są średnice rur, które mogą być stosowane do gazów.

# Rury procesowe

## Rury bezszwowe, wyżarzane

Rury są zgodne z ASTM A213-AW oraz ASTM A269, poniżej 6 mm zgodne z ASTM A632

Tolerancja śr. zew. dla rur od 1/16" wynosi +/-0,05 mm

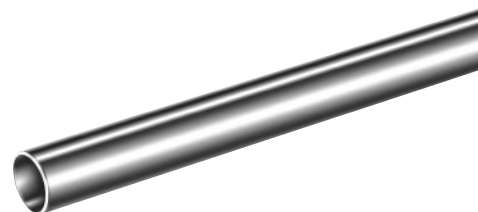
Tolerancja śr. zew. dla rur od 1/8" i 3/16" wynosi +/-0,08 mm

Tolerancja śr. zew. dla rur od 1/4" do 1" oraz 3 - 30 mm wynosi +/-0,08 mm

Tolerancja śr. zew. dla rur od 32 i 38 mm wynosi +/-0,15 mm

Tolerancja ścianki +/- 10%

Ciśnienie robocze określone zgodnie z ASME B31.3



### Rury metryczne - stal kwasoodporna

| Kod                  | Śr. zewn. rury<br>mm | Ścianka<br>mm | Waga<br>kg/m | Ciśnienie robocze<br>AISI 316/316L |     | Ciśnienia robocze<br>AISI 316TI |     | Rury<br>do gazów |
|----------------------|----------------------|---------------|--------------|------------------------------------|-----|---------------------------------|-----|------------------|
|                      |                      |               |              | psig                               | bar | psig                            | bar |                  |
| SND 03,00x0,50 s316  | 3                    | 0,5           | 0,03         | 6816                               | 470 |                                 |     |                  |
| SND 03,00x0,70 s316  | 3                    | 0,7           | 0,04         | 9920                               | 684 |                                 |     | G                |
| SND 06,00x1,00 s316  | 6                    | 1,0           | 0,13         | 6816                               | 470 |                                 |     | G                |
| SND 06,00x1,50 s316  | 6                    | 1,5           | 0,17         | 10703                              | 738 |                                 |     | G                |
| SND 08,00x1,00 s316  | 8                    | 1,0           | 0,18         | 4931                               | 340 |                                 |     | G                |
| SND 08,00x1,50 s316  | 8                    | 1,5           | 0,24         | 7788                               | 537 |                                 |     | G                |
| SND 08,00x2,00 s316  | 8                    | 2,0           | 0,3          | 10703                              | 738 |                                 |     | G                |
| SND 10,00x1,00 s316  | 10                   | 1,0           | 0,23         | 3872                               | 267 |                                 |     | G                |
| SND 10,00x1,50 s316  | 10                   | 1,5           | 0,32         | 6048                               | 417 |                                 |     | G                |
| SND 10,00x2,00 s316  | 10                   | 2,0           | 0,4          | 8368                               | 577 |                                 |     | G                |
| SND 12,00x1,00 s316  | 12                   | 1,0           | 0,28         | 3191                               | 220 |                                 |     | G                |
| SND 12,00x1,50 s316  | 12                   | 1,5           | 0,47         | 4931                               | 340 |                                 |     | G                |
| SND 12,00x2,00 s316  | 12                   | 2,0           | 0,6          | 6816                               | 470 |                                 |     | G                |
| SND 14,00x1,00 s316  | 14                   | 1,0           | 0,33         | 2698                               | 186 |                                 |     |                  |
| SND 14,00x1,50 s316T | 14                   | 1,5           | 0,47         |                                    |     | 4177                            | 288 | G                |
| SND 14,00x2,00 s316  | 14                   | 2,0           | 0,6          | 5729                               | 395 |                                 |     | G                |
| SND 15,00x1,00 s316  | 15                   | 1,0           | 0,35         | 2509                               | 173 |                                 |     |                  |
| SND 15,00x1,50 s316  | 15                   | 1,5           | 0,51         | 3872                               | 267 |                                 |     | G                |
| SND 15,00x2,00 s316  | 15                   | 2,0           | 0,65         | 5308                               | 366 |                                 |     | G                |
| SND 16,00x1,00 s316  | 16                   | 1,0           | 0,38         | 2349                               | 162 |                                 |     |                  |
| SND 16,00x1,50 s316  | 16                   | 1,5           | 0,54         | 3611                               | 249 |                                 |     | G                |
| SND 16,00x2,00 s316  | 16                   | 2,0           | 0,7          | 4931                               | 340 |                                 |     | G                |
| SND 16,00x2,50 s316  | 16                   | 2,5           | 0,85         | 6338                               | 437 |                                 |     | G                |
| SND 18,00x1,00 s316  | 18                   | 1,0           | 0,43         | 2074                               | 143 |                                 |     |                  |
| SND 18,00x1,50 s316  | 18                   | 1,5           | 0,62         | 3191                               | 220 |                                 |     | G                |
| SND 18,00x2,00 s316  | 18                   | 2,0           | 0,8          | 4336                               | 299 |                                 |     | G                |
| SND 18,00x2,50 s316T | 18                   | 2,5           | 0,97         |                                    |     | 5555                            | 383 | G                |
| SND 20,00x1,50 s316  | 20                   | 1,5           | 0,69         | 2843                               | 196 |                                 |     |                  |
| SND 20,00x2,00 s316  | 20                   | 2,0           | 0,9          | 3872                               | 267 |                                 |     | G                |
| SND 20,00x2,50 s316  | 20                   | 2,5           | 1,09         | 4931                               | 340 |                                 |     | G                |
| SND 20,00x3,00 s316T | 20                   | 3,0           | 1,28         |                                    |     | 6048                            | 417 | G                |
| SND 20,00x4,00 s316  | 20                   | 4,0           | 1,6          | 8368                               | 577 |                                 |     | G                |
| SND 22,00x1,50 s316  | 22                   | 1,5           | 0,77         | 2567                               | 177 |                                 |     |                  |
| SND 22,00x2,00 s316  | 22                   | 2,0           | 1            | 3495                               | 241 |                                 |     | G                |
| SND 25,00x1,50 s316  | 25                   | 1,5           | 0,88         | 2248                               | 155 |                                 |     |                  |
| SND 25,00x2,00 s316  | 25                   | 2,0           | 1,15         | 3046                               | 210 |                                 |     |                  |
| SND 25,00x2,50 s316  | 25                   | 2,5           | 1,41         | 3872                               | 267 |                                 |     | G                |
| SND 25,00x3,00 s316  | 25                   | 3,0           | 1,65         | 4728                               | 326 |                                 |     | G                |
| SND 28,00x1,50 s316  | 28                   | 1,5           | 1            | 2001                               | 138 |                                 |     |                  |
| SND 28,00x2,00 s316  | 28                   | 2,0           | 1,3          | 2698                               | 186 |                                 |     |                  |
| SND 28,00x2,50 s316  | 28                   | 2,5           | 1,6          | 3423                               | 236 |                                 |     | G                |
| SND 30,00x2,50 s316  | 30                   | 2,5           | 1,72         | 3191                               | 220 |                                 |     | G                |
| SND 30,00x3,00 s316  | 30                   | 3,0           | 2,03         | 3872                               | 267 |                                 |     | G                |
| SND 30,00x4,00 s316  | 30                   | 4,0           | 2,6          | 5308                               | 366 |                                 |     | G                |
| SND 32,00x2,00 s316  | 32                   | 2,0           | 1,6          | 2204                               | 152 |                                 |     |                  |
| SND 38,00x2,00 s316  | 38                   | 2,0           | 1,8          | 1958                               | 135 |                                 |     |                  |
| SND 38,00x3,00 s316  | 38                   | 3,0           | 2,63         | 3002                               | 207 |                                 |     |                  |
| SND 38,00x4,00 s316  | 38                   | 4,0           | 3,41         | 4090                               | 282 |                                 |     | G                |
| SND 38,00x5,00 s316  | 38                   | 5,0           | 4,13         | 5221                               | 360 |                                 |     | G                |

Uwaga: standardowa długość rury wynosi 5-6 m. Na życzenie klienta rury mogą być dostarczane w odcinkach krótszych, będących wielokrotnością 1 m. G - symbolem „G” oznaczone są średnice rur, które mogą być stosowane do gazów.

# Przegląd zaworów

## D-Pro szybkozłącza

Szybkozłącza serii DQ



Szybkozłącza serii DQ kodyfikowane kolorem i kształtem



Szybkozłącza seria DQF ze swobodnym przelotem



## D-Pro zawory kulowe, z siłownikiem, trzpieniowe

Seria V81 zawór kulowy uniwersalny



Seria V82 zawór kulowy o minimalnej strefie martwej



Seria V824, V825 zawory o minimalnej strefie martwej



Seria V83 zawory kulowe trzyczęściowe uchylne



Seria V86 zawór kulowy do wysokich ciśnień



Seria VT86 zawór kulowy typu Trunnion



Seria VH86 zawór kulowy uniwersalny



VH86 siłownik pneumatyczny



Seria V23 zawór trzpieniowy



## D-Pro zawory iglicowe

Seria V15 zawór iglicowy korpus jednoczęściowy



Seria V16 zawór iglicowy do trudnych warunków



Seria VB16 zawór iglicowy korpus z pręta



Seria VEX110 zawór iglicowy wysokiego ciśnienia



Seria V96 zawór ze wznoszącym się stożkiem



Seria V103 zawór do próbkowania





## D-Pro zawory zwrotne

Seria V33 / VH36  
grzybkowy zawór zwrotny



Seria VP33  
zawór zwrotny jednoczęściowy



Seria VA33  
zawór zwrotny nastawialny



## D-Pro zawory upustowe, filtry, zawory wzrostu przepływu

Seria V63, V66 zawór upustowy



Seria V73, V76 filtry



Seria VX36 zawór wzrostu przepływu



## D-Pro zawory odpowietrzające, spustowe i manometryczne

Seria VBV  
zawory odpowietrzające



Seria VPV  
zawory spustowe



Seria V46  
zawory manometryczne



## D-Pro bloki zaworowe oraz zawory dla platform wiertniczych

Seria V56 bloki zaworowe - montaż boczny, montaż bezpośredni  
oraz z przyłączem panelowym



Zawór podwójny blokująco-upustowy



Blok flanszowy



## D-Pro seria V13 zawory mieszkowe

Seria V13 zawór mieszkowy



O jakości naszych produktów moglibyśmy wiele powiedzieć i napisać. Moglibyśmy też je dla Was i przy Was testować. I nic w tym dziwnego, przecież zależy nam żeby przekonać do siebie klienta, który oczekuje produktów niezawodnych i trwałych.

Jednak my zrobiliśmy coś więcej. Poddaliśmy się ocenie najbardziej renomowanych jednostek certyfikujących na Świecie. Specjalistów w swojej dziedzinie.

Skoro oni nas sprawdzili, Wy możecie spokojnie zaufać.



#### Systemy zarządzania jakością



#### Certyfikaty towarzystw klasyfikacyjnych dla złączy Dk-Lok



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