

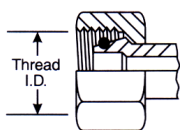
## German DIN 12° / 24° Connection Types ◦ Identification

DIN 12° / 24° Connections were originated in Germany, but may be found on equipment manufactured throughout Europe. The DIN 12° / 24° Male will mate with any of three female connections: 12° / 24° Female DKO (cone with O-Ring), Universal Cone, and Female Tube Assembly. The later (Tube Assembly) is one of the most common forms: a metric bite-type tube connection (body, nut and sleeve).

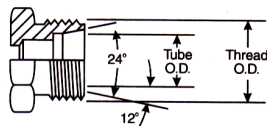
DIN 12° / 24° Connections are divided into three series: Extra Light (LL), Light (L) and Heavy Series (S), determined by pressure and application.

### Measurement Procedure

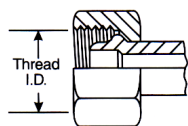
1. With calipers, measure the O.D. (outer diameter) of the male threads or the I.D. (inner diameter) of the Female threads.
2. Check the tube size—internal bore of male or tube O.D. of female.
3. Check the thread pitch with the thread pitch gauges.
4. Check the flare angle (12°) with the seat angle gauge.
5. Compare measurements against chart.



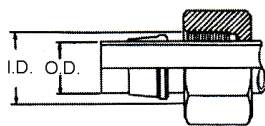
**DIN Female "DKO" Style  
12° Cone Seat (with O-Ring)**



**DIN 12° Seat Male**



**DIN Female Universal Cone**



**DIN Female Tube Assembly**

LL Tube O.D.	L Tube O.D.	S Tube O.D.	Thread Pitch	Male Thread O.D. (mm)	Female Thread I.D. (mm)
4	◦	◦	1.0	8	6.5
6	◦	◦	1.0	10	8.5
8	◦	◦	1.0	12	10.5
10	◦	◦	1.0	14	12.5
12	◦	◦	1.0	16	14.5
◦	6	◦	1.5	12	10.5
◦	8	6	1.5	14	12.5
◦	10	8	1.5	16	14.5
◦	12	10	1.5	18	16.5
◦	◦	12	1.5	20	18.5
◦	15	14	1.5	22	20.5
◦	◦	16	1.5	24	22.5
◦	18	◦	1.5	26	24.5
◦	22	20	2.0	30	28
◦	28	25	2.0	36	34
◦	◦	30	2.0	42	40
◦	35	◦	2.0	45	43
◦	42	38	2.0	52	50

### Contents in page series **D**

<b>DIN 12° Seat</b> .....	<b>D1</b>
<i>Converted to</i> ..... ◦ BSPPOR (Washer & O-Ring or Captive Seal).....	<b>D9</b>
<i>Converted to</i> ..... ◦ BSPT.....	<b>D12</b>
<i>Converted to</i> ..... ◦ Metric (Washer & O-Ring or Captive Seal).....	<b>D13</b>
<i>Converted to</i> ..... ◦ NPT.....	<b>D15</b>
<i>Converted to</i> ..... ◦ SAE O-Ring.....	<b>D16</b>
<i>Converted to</i> ..... ◦ JIC.....	<b>D18</b>

**DIN Bite Sleeve**



Part Number	Tube Size / Series
<b>0SA-04</b>	4LL
<b>0SA-06</b>	6LL
<b>0SA-08</b>	8LL
<b>0SA-10</b>	10LL
<b>0SA-12</b>	12LL
<b>0SCD-06</b>	6L, 6S
<b>0SCD-08</b>	8L, 8S
<b>0SCD-10</b>	10L, 10S
<b>0SCD-12</b>	12L, 12S
<b>0SD-14</b>	14S
<b>0SC-15</b>	15L
<b>0SD-16</b>	16S
<b>0SC-18</b>	18L
<b>0SD-20</b>	20S
<b>0SC-22</b>	22L
<b>0SD-25</b>	25S
<b>0SC-28</b>	28L
<b>0SD-30</b>	30S
<b>0SC-35</b>	35L
<b>0SD-38</b>	38S
<b>0SC-42</b>	42L

**DIN Nut**



Part Number	Tube (mm)	Thread (mm)
<b>0NA-04</b>	4LL	8x1.0
<b>0NA-06</b>	6LL	10x1.0
<b>0NA-08</b>	8LL	12x1.0
<b>0NA-10</b>	10LL	14x1.0
<b>0NA-12</b>	12LL	16x1.0

*DIN Nut continued next column*

**DIN Nut continued**



Part Number	Tube (mm)	Thread (mm)
<b>0NC-06</b>	6L	12x1.5
<b>0NC-08</b>	8L	14x1.5
<b>0NC-10</b>	10L	16x1.5
<b>0NC-12</b>	12L	18x1.5
<b>0NC-15</b>	15L	22x1.5
<b>0NC-18</b>	18L	26x1.5
<b>0NC-22</b>	22L	30x2.0
<b>0NC-28</b>	28L	36x2.0
<b>0NC-35</b>	35L	45x2.0
<b>0NC-42</b>	42L	52x2.0
<b>0ND-06</b>	6S	12x1.5
<b>0ND-08</b>	8S	14x1.5
<b>0ND-10</b>	10S	16x1.5
<b>0ND-12</b>	12S	18x1.5
<b>0ND-14</b>	14S	22x1.5
<b>0ND-16</b>	16S	24x1.5
<b>0ND-20</b>	20S	30x2.0
<b>0ND-25</b>	25S	36x2.0
<b>0ND-30</b>	30S	42x2.0
<b>0ND-38</b>	38S	52x2.0

**DIN 12° Cap\***



Part Number	Tube (mm)	Thread (mm)
<b>0CC-06</b>	6L	12x1.5
<b>0CC-08</b>	8L	14x1.5
<b>0CC-10</b>	10L	16x1.5
<b>0CC-12</b>	12L	18x1.5
<b>0CC-15</b>	15L	22x1.5
<b>0CC-18</b>	18L	26x1.5
<b>0CC-22</b>	22L	30x2.0
<b>0CC-28</b>	28L	36x2.0
<b>0CC-35</b>	35L	45x2.0
<b>0CC-42</b>	42L	52x2.0

*DIN Cap continued next column*

**DIN Cap continued**



Part Number	Tube (mm)	Thread (mm)
<b>0CD-06</b>	6S	14x1.5
<b>0CD-08</b>	8S	16x1.5
<b>0CD-10</b>	10S	18x1.5
<b>0CD-12</b>	12S	20x1.5
<b>0CD-14</b>	14S	22x1.5
<b>0CD-16</b>	16S	24x1.5
<b>0CD-20</b>	20S	30x2.0
<b>0CD-25</b>	25S	36x2.0
<b>0CD-30</b>	30S	42x2.0
<b>0CD-38</b>	38S	52x2.0

**DIN 12° Plug**

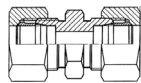
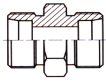


Part Number	Tube (mm)	Thread (mm)
<b>0PC-06</b>	6L	12x1.5
<b>0PC-08</b>	8L	14x1.5
<b>0PC-10</b>	10L	16x1.5
<b>0PC-12</b>	12L	18x1.5
<b>0PC-15</b>	15L	22x1.5
<b>0PC-18</b>	18L	26x1.5
<b>0PC-22</b>	22L	30x2.0
<b>0PC-28</b>	28L	36x2.0
<b>0PC-35</b>	35L	45x2.0
<b>0PC-42</b>	42L	52x2.0
<b>0PD-06</b>	6S	14x1.5
<b>0PD-08</b>	8S	16x1.5
<b>0PD-10</b>	10S	18x1.5
<b>0PD-12</b>	12S	20x1.5
<b>0PD-14</b>	14S	22x1.5
<b>0PD-16</b>	16S	24x1.5
<b>0PD-20</b>	20S	30x2.0
<b>0PD-25</b>	25S	36x2.0
<b>0PD-30</b>	30S	42x2.0
<b>0PD-38</b>	38S	52x2.0

# German - DIN 12° Seat



## DIN Union



Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
10AA-04-04	4LL	8x1.0	4LL	8x1.0
10AA-06-06	6LL	10x1.0	6LL	10x1.0
10AA-08-08	8LL	12x1.0	8LL	12x1.0
10CC-06-06	6L	12x1.5	6L	12x1.5
10CC-08-06	6L	12x1.5	8L	14x1.5
10CC-08-08	8L	14x1.5	8L	14x1.5
10CC-10-06	10L	16x1.5	6L	12x1.5
10CC-10-08	10L	16x1.5	8L	14x1.5
10CC-10-10	10L	16x1.5	10L	16x1.5
10CC-12-06	12L	18x1.5	6L	12x1.5
10CC-12-08	12L	18x1.5	8L	14x1.5
10CC-12-10	12L	18x1.5	10L	16x1.5
10CC-12-12	12L	18x1.5	12L	18x1.5
10CC-15-10	15L	22x1.5	10L	16x1.5
10CC-15-12	15L	22x1.5	12L	18x1.5
10CC-15-15	15L	22x1.5	15L	22x1.5
10CC-18-10	18L	26x1.5	10L	16x1.5
10CC-18-12	18L	26x1.5	12L	18x1.5
10CC-18-15	18L	26x1.5	15L	22x1.5
10CC-18-18	18L	26x1.5	18L	26x1.5
10CC-22-12	22L	30x2.0	12L	18x1.5
10CC-22-15	22L	30x2.0	15L	22x1.5
10CC-22-18	22L	30x2.0	18L	26x1.5
10CC-22-22	22L	30x2.0	22L	30x2.0
10CC-28-18	28L	36x2.0	18L	26x1.5
10CC-28-22	28L	36x2.0	22L	30x2.0
10CC-28-28	28L	36x2.0	28L	36x2.0
10CC-35-22	35L	45x2.0	22L	30x2.0
10CC-35-28	35L	45x2.0	28L	36x2.0
10CC-35-35	35L	45x2.0	35L	45x2.0
10CC-42-42	42L	52x2.0	42L	52x2.0
10DD-06-06	6S	14x1.5	6S	14x1.5
10DD-08-06	8S	16x1.6	6S	14x1.5
10DD-08-08	8S	16x1.5	8S	16x1.5
10DD-10-06	10S	18x1.5	6S	14x1.5
10DD-10-08	10S	18x1.5	8S	16x1.5

DIN Union continued next column

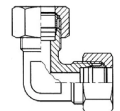


DIN Union continued



Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
10DD-10-10	10S	18x1.5	10S	18x1.5
10DD-12-06	12S	20x1.5	6S	14x1.5
10DD-12-08	12S	20x1.5	8S	16x1.5
10DD-12-10	12S	20x1.5	10S	18x1.5
10DD-12-12	12S	20x1.5	12S	20x1.5
10DD-14-10	14S	22x1.5	10S	18x1.5
10DD-14-12	14S	22x1.5	12S	20x1.5
10DD-14-14	14S	22x1.5	14S	22x1.5
10DD-16-14	16S	24x1.5	14S	22x1.5
10DD-16-16	16S	24x1.5	16S	24x1.5
10DD-20-10	20S	30x2.0	10S	18x1.5
10DD-20-12	20S	30x2.0	12S	20x1.5
10DD-20-16	20S	30x2.0	16S	24x1.5
10DD-20-20	20S	30x2.0	20S	30x2.0
10DD-25-16	25S	36x2.0	16S	24x1.5
10DD-25-20	25S	36x2.0	20S	30x2.0
10DD-25-25	25S	36x2.0	25S	36x2.0
10DD-30-20	30S	42x2.0	20S	30x2.0
10DD-30-25	30S	42x2.0	25S	36x2.0
10DD-30-30	30S	42x2.0	30S	42x2.0
10DD-38-30	38S	52x2.0	30S	42x2.0
10DD-38-38	38S	52x2.0	38S	52x2.0

## DIN Union 90° Elbow



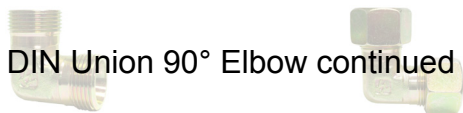
Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
19AA-04-04	4LL	8x1.0	4LL	8x1.0
19AA-06-06	6LL	10x1.0	6LL	10x1.0
19AA-08-08	8LL	12x1.0	8LL	12x1.0
19CC-06-06	6L	12x1.5	6L	12x1.5
19CC-08-08	8L	14x1.5	8L	14x1.5
19CC-10-10	10L	16x1.5	10L	16x1.5
19CC-12-12	12L	18x1.5	12L	18x1.5

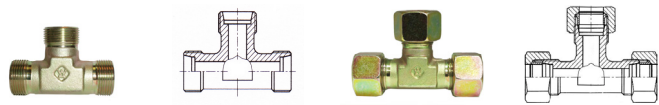
DIN Union 90° Elbow continued next column

DIN Union 90° Elbow continued



Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
<b>19CC-15-15</b>	15L	22x1.5	15L	22x1.5
<b>19CC-18-18</b>	18L	26x1.5	18L	26x1.5
<b>19CC-22-22</b>	22L	30x2.0	22L	30x2.0
<b>19CC-28-28</b>	28L	36x2.0	28L	36x2.0
<b>19CC-35-35</b>	35L	45x2.0	35L	45x2.0
<b>19CC-42-42</b>	42L	52x2.0	42L	52x2.0
<b>19DD-06-06</b>	6S	14x1.5	6S	14x1.5
<b>19DD-08-08</b>	8S	16x1.5	8S	16x1.5
<b>19DD-10-10</b>	10S	18x1.5	10S	18x1.5
<b>19DD-12-12</b>	12S	20x1.5	12S	20x1.5
<b>19DD-14-14</b>	14S	22x1.5	14S	22x1.5
<b>19DD-16-16</b>	16S	24x1.5	16S	24x1.5
<b>19DD-20-20</b>	20S	30x2.0	20S	30x2.0
<b>19DD-25-25</b>	25S	36x2.0	25S	36x2.0
<b>19DD-30-30</b>	30S	42x2.0	30S	42x2.0
<b>19DD-38-38</b>	38S	52x2.0	38S	52x2.0

DIN Union Tee



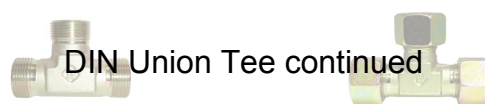
Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)
<b>AAAA-04-04-04</b>	4LL	8x1.0
<b>AAAA-06-06-06</b>	6LL	10x1.0
<b>AAAA-08-08-08</b>	8LL	12x1.0
<b>ACCC-06-06-06</b>	6L	12x1.5
<b>ACCC-08-08-08</b>	8L	14x1.5
<b>ACCC-10-10-10</b>	10L	16x1.5
<b>ACCC-12-12-12</b>	12L	18x1.5
<b>ACCC-15-15-15</b>	15L	22x1.5
<b>ACCC-18-18-18</b>	18L	26x1.5
<b>ACCC-22-22-22</b>	22L	30x2.0
<b>ACCC-28-28-28</b>	28L	36x2.0
<b>ACCC-35-35-35</b>	35L	45x2.0
<b>ACCC-42-42-42</b>	42L	52x2.0

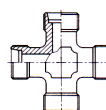
DIN Union Tee continued next column

DIN Union Tee continued

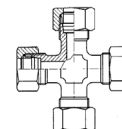


Part Number	Tube (mm)	Thread (mm)
<b>ADDD-06-06-06</b>	6S	14x1.5
<b>ADDD-08-08-08</b>	8S	16x1.5
<b>ADDD-10-10-10</b>	10S	18x1.5
<b>ADDD-12-12-12</b>	12S	20x1.5
<b>ADDD-14-14-14</b>	14S	22x1.5
<b>ADDD-16-16-16</b>	16S	24x1.5
<b>ADDD-20-20-20</b>	20S	30x2.0
<b>ADDD-25-25-25</b>	25S	36x2.0
<b>ADDD-30-30-30</b>	30S	42x2.0
<b>ADDD-38-38-38</b>	38S	52x2.0

DIN Union Cross



Body Only



Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)
<b>XC-06</b>	6L	12x1.5
<b>XC-08</b>	8L	14x1.5
<b>XC-10</b>	10L	16x1.5
<b>XC-12</b>	12L	18x1.5
<b>XC-15</b>	15L	22x1.5
<b>XC-18</b>	18L	26x1.5
<b>XC-22</b>	22L	30x2.0
<b>XC-28</b>	28L	36x2.0
<b>XC-35</b>	35L	45x2.0
<b>XC-42</b>	42L	52x2.0
<b>XD-06</b>	6S	14x1.5
<b>XD-08</b>	8S	16x1.5
<b>XD-10</b>	10S	18x1.5
<b>XD-12</b>	12S	20x1.5
<b>XD-14</b>	14S	22x1.5
<b>XD-16</b>	16S	24x1.5
<b>XD-20</b>	20S	30x2.0
<b>XD-25</b>	25S	36x2.0
<b>XD-30</b>	30S	42x2.0
<b>XD-38</b>	38S	52x2.0

## DIN Bulkhead Union

(with Locknut)



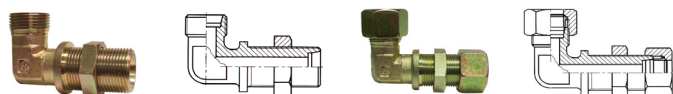
Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
60CC-06-06-LN	6L	12x1.5	6L	12x1.5
60CC-08-08-LN	8L	14x1.5	8L	14x1.5
60CC-10-10-LN	10L	16x1.5	10L	16x1.5
60CC-12-12-LN	12L	18x1.5	12L	18x1.5
60CC-15-15-LN	15L	22x1.5	15L	22x1.5
60CC-18-18-LN	18L	26x1.5	18L	26x1.5
60CC-22-22-LN	22L	30x2.0	22L	30x2.0
60CC-28-28-LN	28L	36x2.0	28L	36x2.0
60CC-35-35-LN	35L	45x2.0	35L	45x2.0
60CC-42-42-LN	42L	52x2.0	42L	52x2.0
60DD-06-06-LN	6S	14x1.5	6S	14x1.5
60DD-08-08-LN	8S	16x1.5	8S	16x1.5
60DD-10-10-LN	10S	18x1.5	10S	18x1.5
60DD-12-12-LN	12S	20x1.5	12S	20x1.5
60DD-14-14-LN	14S	22x1.5	14S	22x1.5
60DD-16-16-LN	16S	24x1.5	16S	24x1.5
60DD-20-20-LN	20S	30x2.0	20S	30x2.0
60DD-25-25-LN	25S	36x2.0	25S	36x2.0
60DD-30-30-LN	30S	42x2.0	30S	42x2.0
60DD-38-38-LN	38S	52x2.0	38S	52x2.0

## DIN Bulkhead Union 90° Elbow

(with Locknut)



Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
69CC-06-06-LN	6L	12x1.5	6L	12x1.5
69CC-08-08-LN	8L	14x1.5	8L	14x1.5
69CC-10-10-LN	10L	16x1.5	10L	16x1.5
69CC-12-12-LN	12L	18x1.5	12L	18x1.5
69CC-15-15-LN	15L	22x1.5	15L	22x1.5
69CC-18-18-LN	18L	26x1.5	18L	26x1.5
69CC-22-22-LN	22L	30x2.0	22L	30x2.0
69CC-28-28-LN	28L	36x2.0	28L	36x2.0

DIN Bulkhead Union 90° with Locknut continued next column

## DIN Bulkhead Union 90° Elbow continued



Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
69CC-35-35-LN	35L	45x2.0	35L	45x2.0
69CC-42-42-LN	42L	52x2.0	42L	52x2.0
69DD-06-06-LN	6S	14x1.5	6S	14x1.5
69DD-08-08-LN	8S	16x1.5	8S	16x1.5
69DD-10-10-LN	10S	18x1.5	10S	18x1.5
69DD-12-12-LN	12S	20x1.5	12S	20x1.5
69DD-14-14-LN	14S	22x1.5	14S	22x1.5
69DD-16-16-LN	16S	24x1.5	16S	24x1.5
69DD-20-20-LN	20S	30x2.0	20S	30x2.0
69DD-25-25-LN	25S	36x2.0	25S	36x2.0
69DD-30-30-LN	30S	42x2.0	30S	42x2.0
69DD-38-38-LN	38S	52x2.0	38S	52x2.0

## DIN Bulkhead Union - Weld Type



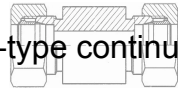
Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
10CC-06-06-W	6L	12x1.5	6L	12x1.5
10CC-08-08-W	8L	14x1.5	8L	14x1.5
10CC-10-10-W	10L	16x1.5	10L	16x1.5
10CC-12-12-W	12L	18x1.5	12L	18x1.5
10CC-15-15-W	15L	22x1.5	15L	22x1.5
10CC-18-18-W	18L	26x1.5	18L	26x1.5
10CC-22-22-W	22L	30x2.0	22L	30x2.0
10CC-28-28-W	28L	36x2.0	28L	36x2.0
10CC-35-35-W	35L	45x2.0	35L	45x2.0
10CC-42-42-W	42L	52x2.0	42L	52x2.0
10DD-06-06-W	6S	14x1.5	6S	14x1.5
10DD-08-08-W	8S	16x1.5	8S	16x1.5
10DD-10-10-W	10S	18x1.5	10S	18x1.5
10DD-12-12-W	12S	20x1.5	12S	20x1.5
10DD-14-14-W	14S	22x1.5	14S	22x1.5
10DD-16-16-W	16S	24x1.5	16S	24x1.5

DIN Weld-type Bulkhead Union 90° continued next page

## DIN Bulkhead Union Weld-type continued

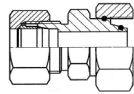
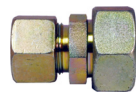
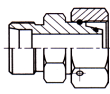


## DIN Reducer continued



Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
<b>10DD-20-20-W</b>	20S	30x2.0	20S	30x2.0
<b>10DD-25-25-W</b>	25S	36x2.0	25S	36x2.0
<b>10DD-30-30-W</b>	30S	42x2.0	30S	42x2.0
<b>10DD-38-38-W</b>	38S	52x2.0	38S	52x2.0

## DIN Reducer



Body Only

Assembled with Nuts & Sleeves

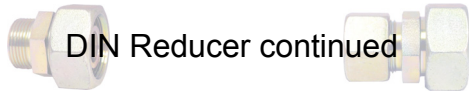
Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
<b>20CC-06-08</b>	6L	12x1.5	8L	14x1.5
<b>20CC-06-10</b>	6L	12x1.5	10L	16x1.5
<b>20CC-06-12</b>	6L	12x1.5	12L	18x1.5
<b>20CC-06-15</b>	6L	12x1.5	15L	22x1.5
<b>20CC-06-18</b>	6L	12x1.5	18L	26x1.5
<b>20CC-06-22</b>	6L	12x1.5	22L	30x2.0
<b>20CC-06-28</b>	6L	12x1.5	28L	36x2.0
<b>20CC-06-35</b>	6L	12x1.5	35L	45x2.0
<b>20CC-06-42</b>	6L	12x1.5	42L	52x2.0
<b>20CC-08-10</b>	8L	14x1.5	10L	16x1.5
<b>20CC-08-12</b>	8L	14x1.5	12L	18x1.5
<b>20CC-08-15</b>	8L	14x1.5	15L	22x1.5
<b>20CC-08-18</b>	8L	14x1.5	18L	26x1.5
<b>20CC-08-22</b>	8L	14x1.5	22L	30x2.0
<b>20CC-08-28</b>	8L	14x1.5	28L	35x2.0
<b>20CC-08-35</b>	8L	14x1.5	35L	45x2.0
<b>20CC-08-42</b>	8L	14x1.5	42L	52x2.0
<b>20CC-10-12</b>	10L	16x1.5	12L	18x1.5
<b>20CC-10-15</b>	10L	16x1.5	15L	22x1.5
<b>20CC-10-18</b>	10L	16x1.5	18L	26x1.5
<b>20CC-10-22</b>	10L	16x1.5	22L	30x2.0
<b>20CC-10-28</b>	10L	16x1.5	28L	36x2.0
<b>20CC-10-35</b>	10L	16x1.5	35L	45x2.0
<b>20CC-10-42</b>	10L	16x1.5	42L	52x2.0
<b>20CC-12-15</b>	12L	18x1.5	15L	22x1.5

*DIN Reducer continued next column*

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
<b>20CC-12-18</b>	12L	18x1.5	18L	26x1.5
<b>20CC-12-22</b>	12L	18x1.5	22L	30x2.0
<b>20CC-12-28</b>	12L	18x1.5	28L	36x2.0
<b>20CC-12-35</b>	12L	18x1.5	35L	45x2.0
<b>20CC-12-42</b>	12L	18x1.5	42L	52x2.0
<b>20CC-15-15</b>	15L	22x1.5	15L	22x1.5
<b>20CC-15-18</b>	15L	22x1.5	18L	26x1.5
<b>20CC-15-22</b>	15L	22x1.5	22L	30x2.0
<b>20CC-15-28</b>	15L	22x1.5	28L	36x2.0
<b>20CC-15-35</b>	15L	22x1.5	35L	45x2.0
<b>20CC-15-42</b>	15L	22x1.5	42L	52x2.0
<b>20CC-18-15</b>	18L	26x1.5	15L	22x1.5
<b>20CC-18-22</b>	18L	26x1.5	22L	30x2.0
<b>20CC-18-28</b>	18L	26x1.5	28L	36x2.0
<b>20CC-18-35</b>	18L	26x1.5	35L	45x2.0
<b>20CC-18-42</b>	18L	26x1.5	42L	52x2.0
<b>20CC-22-28</b>	22L	30x2.0	28L	36x2.0
<b>20CC-22-35</b>	22L	30x2.0	35L	45x2.0
<b>20CC-22-42</b>	22L	30x2.0	42L	52x2.0
<b>20CC-28-35</b>	28L	36x2.0	35L	45x2.0
<b>20CC-28-42</b>	28L	36x2.0	42L	52x2.0
<b>20CC-35-18</b>	35L	45x2.0	18L	26x1.5
<b>20CC-35-42</b>	35L	45x2.0	42L	52x2.0
<b>20CC-42-28</b>	42L	52x2.0	28L	36x2.0
<b>20DD-06-06</b>	6S	14x1.5	6S	14x1.5
<b>20DD-06-08</b>	6S	14x1.5	8S	16x1.5
<b>20DD-06-10</b>	6S	14x1.5	10S	18x1.5
<b>20DD-06-12</b>	6S	14x1.5	12S	20x1.5
<b>20DD-06-14</b>	6S	14x1.5	14S	22x1.5
<b>20DD-06-16</b>	6S	14x1.5	16S	24x1.5
<b>20DD-06-20</b>	6S	14x1.5	20S	30x2.0
<b>20DD-06-25</b>	6S	14x1.5	25S	36x2.0
<b>20DD-06-30</b>	6S	14x1.5	30S	42x2.0
<b>20DD-06-38</b>	6S	14x1.5	38S	52x2.0
<b>20DD-08-10</b>	8S	16x1.5	10S	18x1.5
<b>20DD-08-12</b>	8S	16x1.5	12S	20x1.5
<b>20DD-08-14</b>	8S	16x1.5	14S	22x1.5

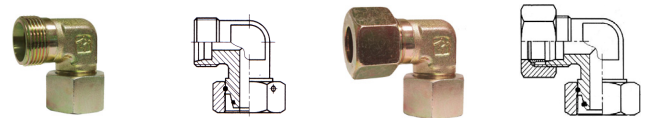
*DIN Reducer continued next page*





Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
20DD-08-16	8S	16x1.5	16S	24X1.5
20DD-08-20	8S	16x1.5	20S	30X2.0
20DD-08-25	8S	16x1.5	25S	36X2.0
20DD-08-30	8S	16x1.5	30S	42X2.0
20DD-08-38	8S	16x1.5	38S	52X2.0
20DD-10-10	10S	18x1.5	10S	18x1.5
20DD-10-12	10S	18x1.5	12S	20x1.5
20DD-10-14	10S	18x1.5	14S	22X1.5
20DD-10-16	10S	18x1.5	16S	24X1.5
20DD-10-20	10S	18x1.5	20S	30X2.0
20DD-10-25	10S	18x1.5	25S	36X2.0
20DD-10-30	10S	18x1.5	30S	42X2.0
20DD-10-38	10S	18x1.5	38S	52X2.0
20DD-12-14	12S	20x1.5	14S	22X1.5
20DD-12-16	12S	20x1.5	16S	24X1.5
20DD-12-20	12S	20x1.5	20S	30X2.0
20DD-12-25	12S	20x1.5	25S	36X2.0
20DD-12-30	12S	20x1.5	30S	42X2.0
20DD-12-38	12S	20x1.5	38S	52X2.0
20DD-14-16	14S	22X1.5	16S	24X1.5
20DD-14-20	14S	22X1.5	20S	30X2.0
20DD-14-25	14S	22X1.5	25S	36x2.0
20DD-14-30	14S	22X1.5	30S	42x2.0
20DD-14-38	14S	22X1.5	38S	52x2.0
20DD-16-12	16S	24x1.5	12S	20x1.5
20DD-16-16	16S	24x1.5	16S	24x1.5
20DD-16-20	16S	24x1.5	20S	30x3.0
20DD-16-25	16S	24x1.5	25S	36x2.0
20DD-16-30	16S	24x1.5	30S	42x2.0
20DD-16-38	16S	24x1.5	38S	52x2.0
20DD-20-25	20S	30x2.0	25S	36x2.0
20DD-20-30	20S	30x2.0	30S	42x2.0
20DD-20-38	20S	30x2.0	38S	52x2.0
20DD-25-30	25S	36x2.0	30S	42x2.0
20DD-25-38	25S	36x2.0	38S	52x2.0
20DD-30-38	30S	42x2.0	38S	52x2.0

## DIN Swivel 90° Elbow



Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)	Tube (mm)	Thread (mm)
29CC-06-06	6L	12x1.5	6L	12x1.5
29CC-08-08	8L	14x1.5	8L	14x1.5
29CC-10-10	10L	16x1.5	10L	16x1.5
29CC-12-12	12L	18x1.5	12L	18x1.5
29CC-15-15	15L	22x1.5	15L	22x1.5
29CC-18-18	18L	26x1.5	18L	26x1.5
29CC-22-22	22L	30x2.0	22L	30x2.0
29CC-28-28	28L	36x2.0	28L	36x2.0
29CC-35-35	35L	45x2.0	35L	45x2.0
29CC-42-42	42L	52x2.0	42L	52x2.0
29DD-06-06	6S	14x1.5	6S	14x1.5
29DD-08-08	8S	16x1.5	8S	16x1.5
29DD-10-10	10S	18x1.5	10S	18x1.5
29DD-12-12	12S	20x1.5	12S	20x1.5
29DD-14-14	14S	22x1.5	14S	22x1.5
29DD-16-16	16S	24x1.5	16S	24x1.5
29DD-20-20	20S	30x2.0	20S	30x2.0
29DD-25-25	25S	36x2.0	25S	36x2.0
29DD-30-30	30S	42x2.0	30S	42x2.0
29DD-38-38	38S	52x2.0	38S	52x2.0

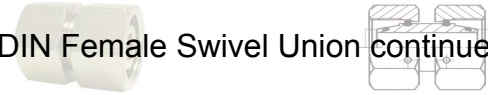
## DIN Female Swivel Union



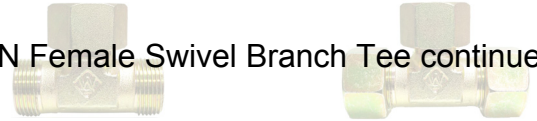
Part Number	Tube (mm)	Thread (mm)
30CC-06-06	6L	12x1.5
30CC-08-08	8L	14x1.5
30CC-10-10	10L	16x1.5
30CC-12-12	12L	18x1.5
30CC-15-15	15L	22x1.5
30CC-18-18	18L	26x1.5
30CC-22-22	22L	30x2.0
30CC-28-28	28L	36x2.0
30CC-35-35	35L	45x2.0
30CC-42-42	42L	52x2.0

DIN Female Swivel Union continued next page

## DIN Female Swivel Union continued



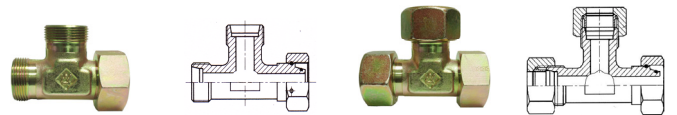
## DIN Female Swivel Branch Tee continued



Part Number	Tube (mm)	Thread (mm)
<b>30DD-06-06</b>	6S	14x1.5
<b>30DD-08-08</b>	8S	16x1.5
<b>30DD-10-10</b>	10S	18x1.5
<b>30DD-12-12</b>	12S	20x1.5
<b>30DD-14-14</b>	14S	22x1.5
<b>30DD-16-16</b>	16S	24x1.5
<b>30DD-20-20</b>	20S	30x2.0
<b>30DD-25-25</b>	25S	36x2.0
<b>30DD-30-30</b>	30S	42x2.0
<b>30DD-38-38</b>	38S	52x2.0

Part Number	Tube (mm)	Thread (mm)
<b>BDDD-25-25-25</b>	25S	36x2.0
<b>BDDD-30-30-30</b>	30S	42x2.0
<b>BDDD-38-38-38</b>	38S	52x2.0

## DIN Female Swivel Run Tee

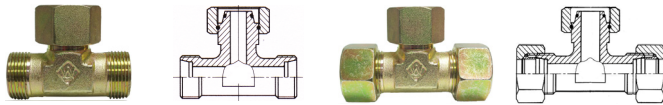


Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)
<b>CCCC-06-06-06</b>	6L	12x1.5
<b>CCCC-08-08-08</b>	8L	14x1.5
<b>CCCC-10-10-10</b>	10L	16x1.5
<b>CCCC-12-12-12</b>	12L	18x1.5
<b>CCCC-15-15-15</b>	15L	22x1.5
<b>CCCC-18-18-18</b>	18L	26x1.5
<b>CCCC-22-22-22</b>	22L	30x2.0
<b>CCCC-28-28-28</b>	28L	36x2.0
<b>CCCC-35-35-35</b>	35L	45x2.0
<b>CCCC-42-42-42</b>	42L	52x2.0
<b>CDDD-06-06-06</b>	6S	14x1.5
<b>CDDD-08-08-08</b>	8S	16x1.5
<b>CDDD-10-10-10</b>	10S	18x1.5
<b>CDDD-12-12-12</b>	12S	20x1.5
<b>CDDD-14-14-14</b>	14S	22x1.5
<b>CDDD-16-16-16</b>	16S	24x1.5
<b>CDDD-20-20-20</b>	20S	30x2.0
<b>CDDD-25-25-25</b>	25S	36x2.0
<b>CDDD-30-30-30</b>	30S	42x2.0
<b>CDDD-38-38-38</b>	38S	52x2.0

## DIN Female Swivel Branch Tee



Body Only

Assembled with Nuts & Sleeves

Part Number	Tube (mm)	Thread (mm)
<b>BCCC-06-06-06</b>	6L	12x1.5
<b>BCCC-08-08-08</b>	8L	14x1.5
<b>BCCC-10-10-10</b>	10L	16x1.5
<b>BCCC-12-12-12</b>	12L	18x1.5
<b>BCCC-15-15-15</b>	15L	22x1.5
<b>BCCC-18-18-18</b>	18L	26x1.5
<b>BCCC-22-22-22</b>	22L	30x2.0
<b>BCCC-28-28-28</b>	28L	36x2.0
<b>BCCC-35-35-35</b>	35L	45x2.0
<b>BCCC-42-42-42</b>	42L	52x2.0
<b>BDDD-06-06-06</b>	6S	14x1.5
<b>BDDD-08-08-08</b>	8S	16x1.5
<b>BDDD-10-10-10</b>	10S	18x1.5
<b>BDDD-12-12-12</b>	12S	20x1.5
<b>BDDD-14-14-14</b>	14S	22x1.5
<b>BDDD-16-16-16</b>	16S	24x1.5
<b>BDDD-20-20-20</b>	20S	30x2.0
<b>BDDD-25-25-25</b>	25S	36x2.0

*DIN Female Swivel Branch Tee continued next column*



## DIN to BSPP Dual Purpose Male

(60° Seat & Captive Seal)



Body Only

Assembled with Nuts & Sleeves

## DIN to BSPP Dual Purpose Male continued



Part Number	DIN (mm)		BSPP 60° Seat & Captive Seal
	Tube	Thread	
10AB-04-02-WD	4LL	8x1.0	1/8-28
10AB-06-02-WD	6LL	10x1.0	1/8-28
10AB-08-02-WD	8LL	12x1.0	1/8-28
10CB-06-02-WD	6L	12x1.5	1/8-28
10CB-06-04-WD	6L	12x1.5	1/4-19
10CB-06-06-WD	6L	12x1.5	3/8-19
10CB-08-02-WD	8L	14x1.5	1/8-28
10CB-08-04-WD	8L	14x1.5	1/4-19
10CB-08-06-WD	8L	14x1.5	3/8-19
10CB-08-08-WD	8L	14x1.5	1/2-14
10CB-10-04-WD	10L	16x1.5	1/4-19
10CB-10-06-WD	10L	16x1.5	3/8-19
10CB-10-08-WD	10L	16x1.5	1/2-14
10CB-12-02-WD	12L	18x1.5	1/8-28
10CB-12-04-WD	12L	18x1.5	1/4-19
10CB-12-06-WD	12L	18x1.5	3/8-19
10CB-12-08-WD	12L	18x1.5	1/2-14
10CB-15-06-WD	15L	22x1.5	3/8-19
10CB-15-08-WD	15L	22x1.5	1/2-14
10CB-15-12-WD	15L	22x1.5	3/4-14
10CB-18-06-WD	18L	26x1.5	3/8-19
10CB-18-08-WD	18L	26x1.5	1/2-14
10CB-18-12-WD	18L	26x1.5	3/4-14
10CB-22-08-WD	22L	30x2.0	1/2-14
10CB-22-12-WD	22L	30x2.0	3/4-14
10CB-28-12-WD	28L	36x2.0	3/4-14
10CB-28-16-WD	28L	36x2.0	1-11
10CB-28-20-WD	28L	36x2.0	1¼-11
10CB-35-16-WD	35L	45x2.0	1-11
10CB-35-20-WD	35L	45x2.0	1¼-11
10CB-35-24-WD	35L	45x2.0	1½-11
10CB-42-24-WD	42L	52x2.0	1½-11
10DB-06-04-WD	6S	14x1.5	1/4-19
10DB-08-04-WD	8S	16x1.5	1/4-19
10CB-08-06-WD	8S	16x1.5	3/8-19
10DB-10-04-WD	10S	18x1.5	1/4-19

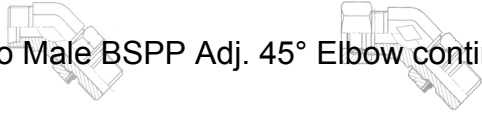
Part Number	DIN (mm)		BSPP 60° Seat & Captive Seal
	Tube	Thread	
10DB-10-06-WD	10S	18x1.5	3/8-19
10DB-10-08-WD	10S	18x1.5	1/2-14
10DB-12-04-WD	12S	20x1.5	1/4-19
10DB-12-06-WD	12S	20x1.5	3/8-19
10DB-12-08-WD	12S	20x1.5	1/2-14
10DB-14-08-WD	14S	22x1.5	1/2-14
10DB-16-06-WD	16S	24x1.5	3/8-19
10DB-16-08-WD	16S	24x1.5	1/2-14
10DB-16-12-WD	16S	24x1.5	3/4-14
10DB-20-08-WD	20S	30x2.0	1/2-14
10DB-20-12-WD	20S	30x2.0	3/4-14
10CB-20-16-WD	20S	30x2.0	1-11
10DB-25-08-WD	25S	36x2.0	1/2-14
10DB-25-12-WD	25S	36x2.0	3/4-14
10DB-25-16-WD	25S	36x2.0	1-11
10DB-25-20-WD	25S	36x2.0	1¼-11
10DB-30-16-WD	30S	42x2.0	1-11
10DB-30-20-WD	30S	42x2.0	1¼-11
10DB-30-24-WD	30S	42x2.0	1½-11
10DG-38-20*	38S	52x2.0	1¼-11
10DB-38-24-WD	38S	52x2.0	1½-11

\*10DG is not dual purpose.

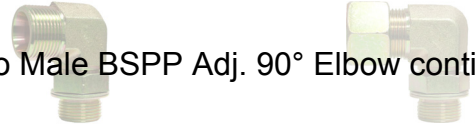
Includes O-Ring / Washer seal for port application only

DIN to BSPP Dual Purpose Male continued next column

## DIN to Male BSPP Adj. 45° Elbow continued



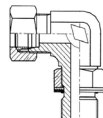
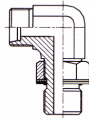
## DIN to Male BSPP Adj. 90° Elbow continued



Part Number	DIN (mm)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
14CG-06-02	6L	12x1.5	1/8-28
14CG-08-04	8L	14x1.5	1/4-19
14CG-10-04	10L	16x1.5	1/4-19
14CG-12-06	12L	18x1.5	3/8-19
14CG-15-08	15L	22x1.5	1/2-14
14CG-18-08	18L	26x1.5	1/2-14
14CG-18-12	18L	26x1.5	3/4-14
14CG-22-12	22L	30x2.0	3/4-14
14CG-28-16	28L	36x2.0	1-11
14CG-35-20	35L	45x2.0	1 1/4-11
14DG-06-04	6S	14x1.5	1/4-19
14DG-08-04	8S	16x1.5	1/4-19
14DG-10-06	10S	18x1.5	3/8-19
14DG-12-06	12S	20x1.5	3/8-19
14DG-14-08	14S	22x1.5	1/2-14
14DG-16-08	16S	24x1.5	1/2-14
14DG-20-12	20S	30x2.0	3/4-14
14DG-25-16	25S	36x2.0	1-11
14DG-30-20	30S	42x2.0	1 1/4-11

Part Number	DIN (mm Both)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
19CG-22-12	22L	30x2.0	3/4-14
19CG-28-16	28L	36x2.0	1-11
19CG-28-20	28L	36x2.0	1 1/4-11
19CG-35-20	35L	45x2.0	1 1/4-11
19CG-42-24	42L	52x2.0	1 1/2-11
19DG-06-04	6S	14x1.5	1/4-19
19DG-08-04	8S	16x1.5	1/4-19
19DG-10-06	10S	18x1.5	3/8-19
19DG-12-06	12S	20x1.5	3/8-19
19DG-12-08	12S	20x1.5	1/2-14
19DG-14-08	14S	22x1.5	1/2-14
19DG-16-06	16S	24x1.5	3/8-19
19DG-16-08	16S	24x1.5	1/2-14
19DG-20-12	20S	30x2.0	3/4-14
19DG-25-12	25S	36x2.0	3/4-14
19DG-25-16	25S	36x2.0	1-11
19DG-30-20	30S	42x2.0	1 1/4-11
19DG-38-24	38S	52x2.0	1 1/2-11

## DIN to BSPP Male Adjustable 90° Elbow (With O-Ring / Washer for Port Application)



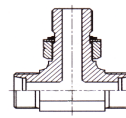
Body Only

Assembled with Nuts & Sleeves

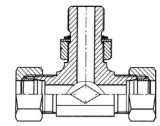
Part Number	DIN (mm Both)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
19CG-06-02	6L	12x1.5	1/8-28
19CG-08-04	8L	14x1.5	1/4-19
19CG-10-04	10L	16x1.5	1/4-19
19CG-10-06	10L	16x1.5	3/8-19
19CG-12-06	12L	18x1.5	3/8-19
19CG-15-08	15L	22x1.5	1/2-14
19CG-18-08	18L	26x1.5	1/2-14
19CG-18-12	18L	26x1.5	3/4-14

*DIN to Male BSPP Adjustable 90° Elbow continued next page*

## DIN to Male BSPP Adjustable Branch Tee (With O-Ring / Washer for Port Application)



Body Only

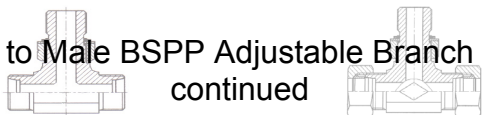


Assembled with Nuts & Sleeves

Part Number	DIN (mm Both)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
ACCG-06-06-02	6L	12x1.5	1/8-28
ACCG-08-08-04	8L	14x1.5	1/4-19
ACCG-10-10-04	10L	16x1.5	3/8-19
ACCG-12-12-06	12L	18x1.5	3/8-19
ACCG-15-15-08	15L	22x1.5	1/2-14
ACCG-18-18-08	18L	26x1.5	1/2-14
ACCG-22-22-12	22L	30x2.0	3/4-14
ACCG-28-28-16	28L	36x2.0	1-11
ACCG-35-35-20	35L	45x2.0	1 1/4-11

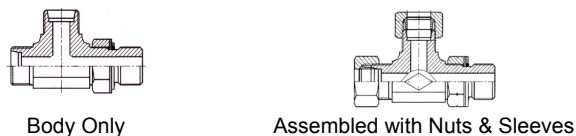
*DIN to Male BSPP Adjustable Branch Tee continued next page*

## DIN to Male BSPP Adjustable Branch Tee continued



Part Number	DIN (mm Both)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
<b>ACCG-06-06-02</b>	6L	12x1.5	1/8-28
<b>ACCG-08-08-04</b>	8L	14x1.5	1/4-19
<b>ACCG-10-10-04</b>	10L	16x1.5	3/8-19
<b>ACCG-12-12-06</b>	12L	18x1.5	3/8-19
<b>ACCG-15-15-08</b>	15L	22x1.5	1/2-14
<b>ACCG-18-18-08</b>	18L	26x1.5	1/2-14
<b>ACCG-22-22-12</b>	22L	30x2.0	3/4-14
<b>ACCG-28-28-16</b>	28L	36x2.0	1-11
<b>ACCG-35-35-20</b>	35L	45x2.0	1¼-11

## DIN to BSPP Male Adjustable Run Tee (With O-Ring / Washer for Port Application)



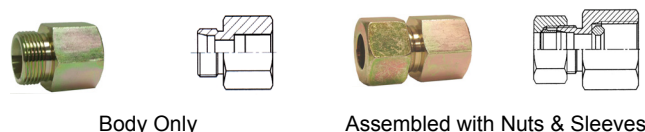
Part Number	DIN (mm Both)		BSPP Nut, Washer & O-Ring
	Tube	Thread	
<b>ACGC-06-02-06</b>	6L	12x1.5	1/8-28
<b>ACGC-08-04-08</b>	8L	14x1.5	1/4-19
<b>ACGC-10-04-10</b>	10L	16x1.5	3/8-19
<b>ACGC-12-06-12</b>	12L	18x1.5	3/8-19
<b>ACGC-15-08-15</b>	15L	22x1.5	1/2-14
<b>ACGC-18-08-18</b>	18L	26x1.5	1/2-14
<b>ACGC-22-12-22</b>	22L	30x2.0	3/4-14
<b>ACGC-28-16-28</b>	28L	36x2.0	1-11
<b>ACGC-35-20-35</b>	35L	45x2.0	1¼-11
<b>ADGD-06-04-06</b>	6S	14x1.5	1/4-19
<b>ADGD-08-04-08</b>	8S	16x1.5	1/4-19
<b>ADGD-10-06-10</b>	10S	18x1.5	3/8-19
<b>ADGD-12-06-12</b>	12S	20x1.5	3/8-19
<b>ADGD-14-08-14</b>	14S	22x1.5	1/2-14
<b>ADGD-16-08-16</b>	16S	24x1.5	1/2-14
<b>ADGD-20-12-20</b>	20S	30x2.0	3/4-14
<b>ADGD-25-16-25</b>	25S	36x2.0	1-11
<b>ADGD-30-20-30</b>	30S	42x2.0	1¼-11

## BSPP Dual Purpose Male to DIN Female Swivel (BSPP Captive Seal / 60° Seat)



Part Number	BSPP	DIN (mm Both)	
		Tube	Thread
<b>20BC-02-06-WD</b>	1/8-28	6L	12x1.5
<b>20BC-04-08-WD</b>	1/4-19	8L	14x1.5
<b>20BC-04-10-WD</b>	1/4-19	10L	16x1.5
<b>20BC-06-10-WD</b>	1/4-19	10L	16x1.5
<b>20BC-06-12-WD</b>	3/8-19	12L	18x1.5
<b>20BC-08-15-WD</b>	1/2-14	15L	22x1.5
<b>20BC-08-18-WD</b>	1/2-14	18L	26x1.5
<b>20BC-12-22-WD</b>	3/4-14	22L	30x2.0
<b>20BC-16-28-WD</b>	1-11	28L	36x2.0
<b>20BC-20-35-WD</b>	1¼-11	35L	45x2.0
<b>20BC-24-42-WD</b>	1½-11	42L	52x2.0
<b>20BD-04-06-WD</b>	1/4-19	6S	14x1.5
<b>20BD-04-08-WD</b>	3/8-19	8S	16x1.5
<b>20BD-06-10-WD</b>	3/8-19	10S	18x1.5
<b>20BD-06-12-WD</b>	3/8-19	12S	20x1.5
<b>20BD-08-12-WD</b>	1/2-14	12S	20x1.5
<b>20BD-08-14-WD</b>	1/2-14	14S	22x1.5
<b>20BD-08-16-WD</b>	1/2-14	16S	24x1.5
<b>20BD-12-16-WD</b>	3/4-14	16S	24x1.5
<b>20BD-12-20-WD</b>	3/4-14	20S	30x2.0
<b>20BD-12-25-WD</b>	3/4-14	25S	36x2.0
<b>20BD-16-25-WD</b>	1-11	25S	36x2.0
<b>20BD-16-30-WD</b>	1-11	30S	42x2.0
<b>20BD-20-30-WD</b>	1¼-11	30S	42x2.0
<b>20BD-24-38-WD</b>	1½-11	38S	52x2.0

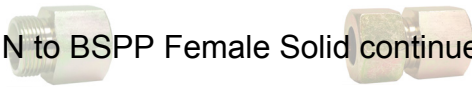
## DIN to BSPP Female Solid



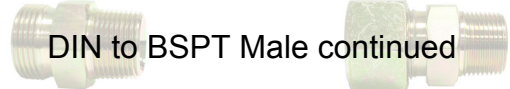
Part Number	DIN (mm Both)		BSPP
	Tube	Thread	
<b>50CB-06-02</b>	6L	12x1.5	1/8-28
<b>50CB-06-04</b>	6L	12x1.5	1/4-19
<b>50CB-08-04</b>	8L	14x1.5	1/4-19
<b>50CB-08-06</b>	8L	14x1.5	3/8-19

DIN to BSPP Female Solid  
continued next page

## DIN to BSPP Female Solid continued



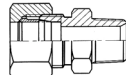
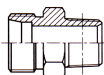
## DIN to BSPT Male continued



Part Number	DIN (mm Both)		BSPP
	Tube	Thread	
50CB-08-08	8L	14x1.5	1/2-14
50CB-10-04	10L	16x1.5	1/4-19
50CB-10-06	10L	16x1.5	1/4-19
50CB-10-08	10L	16x1.5	1/2-14
50CB-12-04	12L	18x1.5	1/4-19
50CB-12-06	12L	18x1.5	3/8-19
50CB-12-08	12L	18x1.5	1/2-14
50CB-15-06	15L	22x1.5	3/8-19
50CB-15-08	15L	22x1.5	1/2-14
50CB-18-08	18L	26x1.5	1/2-14
50CB-22-12	22L	30x2.0	3/4-14
50CB-28-16	28L	36x2.0	1-11
50CB-35-20	35L	45x2.0	1¼-11
50CB-42-24	42L	52x2.0	1½-11
50DB-06-04	6S	14x1.5	1/4-19
50DB-08-04	8S	16x1.5	3/8-19
50DB-10-06	10S	18x1.5	3/8-19
50DB-12-06	12S	20x1.5	3/8-19
50DB-12-08	12S	20x1.5	1/2-14
50DB-14-08	14S	22x1.5	1/2-14
50DB-16-06	16S	24x1.5	3/8-19
50DB-16-08	16S	24x1.5	1/2-14
50DB-20-12	20S	30x2.0	3/4-14
50DB-25-16	25S	36x2.0	1-11
50DB-30-20	30S	42x2.0	1¼-11
50DB-38-24	38S	52x2.0	1½-11

Part Number	DIN		BSPT
	Tube	Thread	
10CT-06-02	6L	12x1.5	1/8-28
10CT-06-04	6L	12x1.5	1/4-19
10CT-08-02	8L	14x1.5	1/8-28
10CT-08-04	8L	14x1.5	1/4-19
10CT-08-06	8L	14x1.5	3/8-19
10CT-10-04	10L	16x1.5	1/4-19
10CT-10-06	10L	16x1.5	3/8-19
10CT-10-08	10L	16x1.5	1/2-14
10CT-12-04	12L	18x1.5	1/4-19
10CT-12-06	12L	18x1.5	3/8-19
10CT-12-08	12L	18x1.5	1/2-14
10CT-15-06	15L	22x1.5	3/8-19
10CT-15-08	15L	22x1.5	1/2-14
10CT-18-08	18L	26x1.5	1/2-14
10CT-18-12	18L	26x1.5	3/4-14
10CT-22-12	22L	30X2.0	3/4-14
10CT-28-16	28L	36X2.0	1-11
10CT-28-20	28L	36X2.0	1¼-11
10CT-35-16	35L	45x2.0	1-11
10CT-35-20	35L	45x2.0	1¼-11
10CT-42-20	42L	52x2.0	1¼-11
10CT-42-24	42L	52x2.0	1½-11
10DT-06-02	6S	14x1.5	1/8-28
10DT-06-04	6S	14x1.5	1/4-19
10DT-08-04	8S	16x1.5	1/4-19
10DT-10-04	10S	18x1.5	1/4-19
10DT-10-06	10S	18x1.5	3/8-19
10DT-12-04	12S	20x1.5	1/4-19
10DT-12-06	12S	20x1.5	3/8-19
10DT-12-08	12S	20x1.5	1/2-14
10DT-14-08	14S	22x1.5	1/2-14
10DT-16-08	16S	24X1.5	1/2-14
10DT-20-12	20S	30X2.0	3/4-14
10DT-25-16	25S	36x2.0	1-11
10DT-30-20	30S	42x2.0	1¼-11
10DT-38-24	38S	52x2.0	1½-11

## DIN to BSPT Male



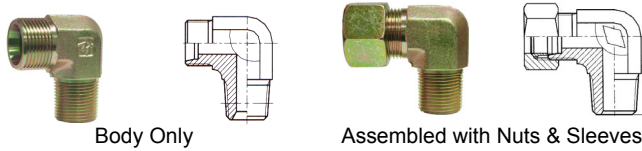
Body Only

Assembled with Nuts & Sleeves

Part Number	DIN		BSPT
	Tube	Thread	
10AT-04-02	4LL	8X1.0	1/8-28
10AT-06-02	6LL	10X1.0	1/8-28
10AT-08-02	8LL	12X1.0	1/8-28

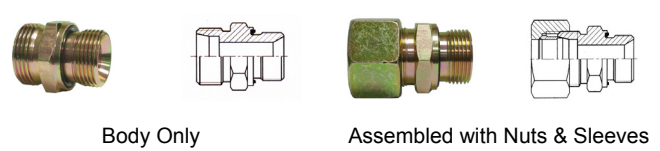
DIN to BSPT Male continued next column

## DIN to BSPT Male 90° Elbow



Part Number	DIN (mm)		BSPT
	Tube	Thread	
19CT-06-02	6L	12x1.5	1/8-28
19CT-06-04	6L	12x1.5	1/4-19
19CT-08-02	8L	14x1.5	1/8-28
19CT-08-04	8L	14x1.5	1/4-19
19CT-10-04	10L	16x1.5	1/4-19
19CT-10-06	10L	16x1.5	3/8-19
19CT-10-08	10L	16x1.5	1/2-14
19CT-12-04	12L	18x1.5	1/4-19
19CT-12-06	12L	18x1.5	3/8-19
19CT-12-08	12L	18x1.5	1/2-14
19CT-15-06	15L	22x1.5	3/8-19
19CT-15-08	15L	22x1.5	1/2-14
19CT-18-08	18L	26x1.5	1/2-14
19CT-18-12	18L	26x1.5	3/4-14
19CT-22-12	22L	30X2.0	3/4-14
19CT-22-16	22L	30X2.0	1-11
19CT-28-16	28L	36X2.0	1-11
19CT-28-20	28L	36X2.0	1¼-11
19CT-35-20	35L	45x2.0	1¼-11
19CT-42-24	42L	52x2.0	1½-11
19DT-06-04	6S	14x1.5	1/4-19
19DT-08-04	8S	16x1.5	1/4-19
19DT-10-06	10S	18x1.5	3/8-19
19DT-12-04	12S	20x1.5	1/4-19
19DT-12-06	12S	20x1.5	3/8-19
19DT-14-06	14S	22x1.5	3/8-19
19DT-14-08	14S	22x1.5	1/2-14
19DT-16-06	16S	24x1.5	3/8-19
19DT-16-08	16S	24x1.5	1/2-14
19DT-20-08	20S	30x2.0	1/2-14
19DT-20-12	20S	30x2.0	3/4-14
19DT-25-12	25S	36x2.0	3/4-14
19DT-25-16	25S	36x2.0	1-11
19DT-30-20	30S	42x2.0	1¼-11
19DT-38-24	38S	52x2.0	1½-11

## DIN to Metric Dual Purpose Male



Part Number	DIN (mm)		Metric Dual P.
	Tube	Thread	
10CM-06-10-WD	6L	12x1.5	10x1.0
10CM-06-12-WD	6L	12x1.5	12x1.5
10CM-08-10-WD	8L	14x1.5	10x1.0
10CM-08-12-WD	8L	14x1.5	12x1.5
10CM-08-14-WD	8L	14x1.5	14x1.5
10CM-08-16-WD	8L	14x1.5	16x1.5
10CM-10-10-WD	10L	16x1.5	10x1.0
10CM-10-12-WD	10L	16x1.5	12x1.5
10CM-10-14-WD	10L	16x1.5	14x1.5
10CM-10-16-WD	10L	16x1.5	16x1.5
10CM-10-18-WD	10L	16x1.5	18x1.5
10CM-12-12-WD	12L	18x1.5	12x1.5
10CM-12-14-WD	12L	18x1.5	14x1.5
10CM-12-16-WD	12L	18x1.5	16x1.5
10CM-12-18-WD	12L	18x1.5	18x1.5
10CM-12-22-WD	12L	18x1.5	22x1.5
10CM-15-18-WD	15L	22x1.5	18x1.5
10CM-15-22-WD	15L	22x1.5	22x1.5
10CM-18-18-WD	18L	26x1.5	18x1.5
10CM-18-22-WD	18L	26X1.5	22x1.5
10CM-22-26-WD	22L	30x2.0	26x1.5
10CM-22-27-WD	22L	30x2.0	27x2.0
10CM-28-33-WD	28L	36x2.0	33x2.0
10CM-35-42-WD	35L	45x2.0	42x2.0
10CM-42-48-WD	42L	52x2.0	48x2.0
10DM-06-12-WD	6S	14x1.5	12x1.5
10DM-08-14-WD	8S	16x1.5	14x1.5
10DM-10-16-WD	10S	18x1.5	16x1.5
10DM-12-18-WD	12S	20x1.5	18x1.5
10DM-14-20-WD	14S	22x1.5	20x1.5
10DM-16-22-WD	16S	24x1.5	22x1.5
10DM-20-27-WD	20S	30x2.0	27x1.5
10DM-25-33-WD	25S	36x2.0	33x.15
10DM-30-42-WD	30S	42x2.0	42x1.5
10DM-38-48-WD	38S	48x2.0	48x1.5

DIN to Metric Dual Purpose Male continued next page

## DIN to Metric Port Male Adj. 90° Elbow

(with Washer / O-Ring for Port Application)



Body Only

Assembled with Nuts & Sleeves

Part Number	DIN (mm)		Metric Port
	Tube	Thread	
<b>19CH-06-10</b>	6L	12x1.5	10x1.0
<b>19CH-08-12</b>	8L	14x1.5	12x1.5
<b>19CH-10-14</b>	10L	16x1.5	14x1.5
<b>19CH-12-16</b>	12L	18x1.5	16x1.5
<b>19CH-15-18</b>	15L	22x1.5	18x1.5
<b>19CH-18-22</b>	18L	26x1.5	22x1.5
<b>19CH-22-27</b>	22L	30x2.0	27x2.0
<b>19CH-28-33</b>	28L	36x2.0	33x2.0
<b>19DH-06-12</b>	6S	14x1.5	12x1.5
<b>19DH-08-14</b>	8S	16x1.5	14x1.5
<b>19DH-10-16</b>	10S	18x1.5	16x1.5
<b>19DH-12-18</b>	12S	20x1.5	18x1.5
<b>19DH-14-20</b>	14S	22x1.5	20x1.5
<b>19DH-16-22</b>	16S	24x1.5	22x1.5
<b>19DH-20-27</b>	20S	30x2.0	27x1.5
<b>19DH-25-33</b>	25S	36x2.0	33x.15
<b>19DH-30-42</b>	30S	42x2.0	42x1.5

## Metric Male to DIN Female Swivel continued



Part Number	Metric	DIN (mm)	
		Tube	Thread
<b>20MD-12-06-WD</b>	12x1.5	6S	14x1.5
<b>20MD-14-08-WD</b>	14x1.5	8S	16x1.5
<b>20MD-16-10-WD</b>	16x1.5	10S	18x1.5
<b>20MD-18-12-WD</b>	18x1.5	12S	20x1.5
<b>20MD-20-14-WD</b>	20x1.5	14S	22x1.5
<b>20MD-22-16-WD</b>	22x1.5	16S	24x1.5
<b>20MC-27-20-WD</b>	27x1.5	20S	30x2.0
<b>20MD-33-25-WD</b>	33x2.0	25S	36x2.0
<b>20MD-42-30-WD</b>	42x2.0	30S	42x2.0
<b>20MD-48-38-WD</b>	48x2.0	38S	52x2.0

## DIN to Metric Female Solid



Body Only

Assembled with Nuts & Sleeves

Part Number	DIN (mm)		Metric
	Tube	Thread	
<b>50CM-06-10</b>	6L	12x1.5	10x1.0
<b>50CM-08-12</b>	8L	14x1.5	12x1.5
<b>50CM-10-14</b>	10L	16x1.5	14x1.5
<b>50CM-12-16</b>	12L	18x1.5	16x1.5
<b>50CM-15-18</b>	15L	22x1.5	18x1.5
<b>50CM-18-22</b>	18L	26x1.5	22x1.5
<b>50CM-22-26</b>	22L	30x2.0	26x1.5
<b>50CM-28-33</b>	28L	36x2.0	33x2.0
<b>50CM-35-42</b>	35L	45x2.0	42x2.0
<b>50CM-42-48</b>	42L	52x2.0	48x2.0
<b>50DM-06-12</b>	6S	14x1.5	12x1.5
<b>50DM-08-14</b>	8S	16x1.5	14x1.5
<b>50DM-10-16</b>	10S	18x1.5	16x1.5
<b>50DM-12-18</b>	12S	20x1.5	18x1.5
<b>50DM-14-20</b>	14S	22x1.5	20x1.5
<b>50DM-16-22</b>	16S	24x1.5	22x1.5
<b>50DM-20-27</b>	20S	30x2.0	27x1.5

## Metric Dual Purpose Male to DIN Female Swivel (Male Captive Seal / 60° Seat)



Part Number	Metric	DIN (mm)	
		Tube	Thread
<b>20MC-10-06-WD</b>	10x1.0	6L	12x1.5
<b>20MC-12-08-WD</b>	12x1.5	8L	14x1.5
<b>20MC-14-10-WD</b>	14x1.5	10L	16x1.5
<b>20MC-16-12-WD</b>	16x1.5	12L	18x1.5
<b>20MC-18-15-WD</b>	18x1.5	15L	22x1.5
<b>20MC-22-18-WD</b>	22x1.5	18L	26x1.5
<b>20MC-26-22-WD</b>	26x1.5	22L	30x2.0
<b>20MC-33-28-WD</b>	33x2.0	28L	36x2.0
<b>20MC-42-35-WD</b>	42x2.0	35L	45x2.0
<b>20MC-48-42-WD</b>	48x2.0	42L	52x2.0

Metric Dual Purpose Male to DIN Female Swivel continued next column

DIN to Metric Female Solid continued next page





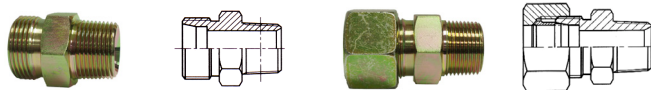
DIN to Female Metric Solid



DIN to NPT Male continued

Part Number	DIN (mm)		Metric
	Tube	Thread	
<b>50DM-25-33</b>	25S	36x2.0	33x2.0
<b>50DM-30-42</b>	30S	42x2.0	42x2.0
<b>50DM-38-48</b>	38S	52x2.0	48x2.0

## DIN to NPT Male



Body Only

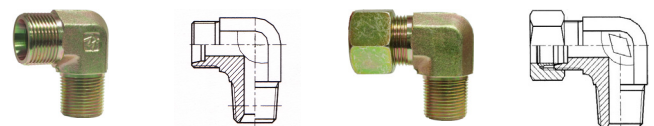
Assembled with Nuts & Sleeves

Part Number	DIN (mm)		NPT
	Tube	Thread	
<b>10AN-04-02</b>	4LL	8X1.0	1/8-27
<b>10AN-06-04</b>	6LL	10X1.0	1/4-18
<b>10AN-08-04</b>	8LL	12X1.0	1/4-18
<b>10CN-06-02</b>	6L	12x1.5	1/8-27
<b>10CN-06-04</b>	6L	12x1.5	1/4-18
<b>10CN-08-02</b>	8L	14x1.5	1/8-27
<b>10CN-08-04</b>	8L	14x1.5	1/4-18
<b>10CN-10-04</b>	10L	16x1.5	1/4-18
<b>10CN-10-06</b>	10L	16x1.5	3/8-18
<b>10CN-12-04</b>	12L	18x1.5	1/4-18
<b>10CN-12-06</b>	12L	18x1.5	3/8-18
<b>10CN-12-08</b>	12L	18x1.5	1/2-14
<b>10CN-15-08</b>	15L	22x1.5	1/2-14
<b>10CN-15-12</b>	15L	22x1.5	3/4-14
<b>10CN-18-08</b>	18L	26x1.5	1/2-14
<b>10CN-18-12</b>	18L	26x1.5	3/4-14
<b>10CN-22-08</b>	22L	30x2.0	1/2-14
<b>10CN-22-12</b>	22L	30x2.0	3/4-14
<b>10CN-22-16</b>	22L	30x2.0	1-11
<b>10CN-28-12</b>	28L	36x2.0	3/4-14
<b>10CN-28-16</b>	28L	36x2.0	1-11½
<b>10CN-28-20</b>	28L	36x2.0	1¼-11½
<b>10CN-35-20</b>	35L	45x2.0	1¼-11½
<b>10CN-42-20</b>	42L	52x2.0	1¼-11½
<b>10CN-42-24</b>	42L	52x2.0	1½-11½

DIN to NPT Male continued next column

Part Number	DIN (mm)		NPT
	Tube	Thread	
<b>10DN-06-04</b>	6S	14x1.5	1/4-18
<b>10DN-08-04</b>	8S	16x1.5	1/4-18
<b>10DN-10-04</b>	10S	18x1.5	1/4-18
<b>10DN-10-06</b>	10S	18x1.5	3/8-18
<b>10DN-12-04</b>	12S	20x1.5	1/4-18
<b>10DN-12-06</b>	12S	20x1.5	3/8-18
<b>10DN-12-08</b>	12S	20x1.5	1/2-14
<b>10DN-14-06</b>	14S	22x1.5	3/8-18
<b>10DN-14-08</b>	14S	22x1.5	1/2-14
<b>10DN-16-06</b>	16S	24x1.5	3/8-18
<b>10DN-16-08</b>	16S	24x1.5	1/2-14
<b>10DN-16-12</b>	16S	24x1.5	3/4-14
<b>10DN-20-08</b>	20S	30x2.0	1/2-14
<b>10DN-20-12</b>	20S	30x2.0	3/4-14
<b>10DN-25-12</b>	25S	36x2.0	3/4-14
<b>10DN-25-16</b>	25S	36x2.0	1-11½
<b>10DN-30-16</b>	30S	42x2.0	1-11½
<b>10DN-30-20</b>	30S	42x2.0	1¼-11½
<b>10DN-30-24</b>	30S	42x2.0	1½-11½
<b>10DN-38-20</b>	38S	52x2.0	1½-11½
<b>10DN-38-24</b>	38S	52x2.0	1½-11½

## DIN to NPT Male 90° Elbow



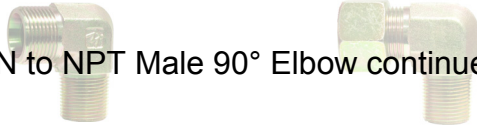
Body Only

Assembled with Nuts & Sleeves

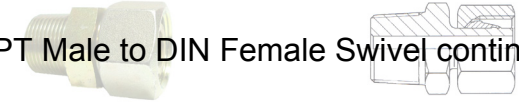
Part Number	DIN (mm)		NPT
	Tube	Thread	
<b>19CN-06-02</b>	6L	12x1.5	1/8-27
<b>19CN-06-04</b>	6L	12x1.5	1/4-18
<b>19CN-08-02</b>	8L	14x1.5	1/8-27
<b>19CN-08-04</b>	8L	14x1.5	1/4-18
<b>19CN-10-04</b>	10L	16x1.5	1/4-18
<b>19CN-10-06</b>	10L	16x1.5	3/8-18
<b>19CN-12-04</b>	12L	18x1.5	1/4-18

DIN to NPT Male 90° Elbow continued next page

## DIN to NPT Male 90° Elbow continued



## NPT Male to DIN Female Swivel continued



Part Number	DIN (mm)		NPT
	Tube	Thread	
19CN-12-06	12L	18x1.5	3/8-18
19CN-15-08	15L	22x1.5	1/2-14
19CN-18-08	18L	26x1.5	1/2-14
19CN-18-12	18L	26x1.5	3/4-14
19CN-22-12	22L	30x2.0	3/4-14
19CN-22-16	22L	30x2.0	1-11½
19CN-28-16	28L	36x2.0	1-11½
19CN-35-20	35L	45x2.0	1¼-11½
19CN-42-24	42L	52x2.0	1½-11½
19DN-06-04	6S	14x1.5	1/4-18
19DN-08-04	8S	16x1.5	1/4-18
19DN-10-06	10S	18x1.5	3/8-18
19DN-12-04	12S	20x1.5	1/4-18
19DN-12-06	12S	20x1.5	3/8-18
19DN-14-06	14S	22x1.5	3/8-18
19DN-14-08	14S	22x1.5	1/2-14
19DN-16-06	16S	24x1.5	3/8-18
19DN-16-08	16S	24x1.5	1/2-14
19DN-20-08	20S	30x2.0	1/2-14
19DN-20-12	20S	30x2.0	3/4-14
19DN-25-12	25S	36x2.0	3/4-14
19DN-25-16	25S	36x2.0	1-11½
19DN-30-20	30S	42x2.0	1¼-11½
19DN-38-20	38S	52x2.0	1¼-11½
19DN-38-24	38S	52x2.0	1½-11½

## NPT Male to DIN Female Swivel

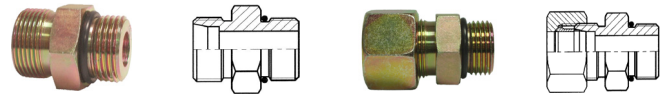


Part Number	NPT	DIN (mm)	
		Tube	Thread
20NC-02-06	1/8-27	6L	12x1.5
20NC-04-08	1/4-18	8L	14x1.5
20NC-06-10	3/8-18	10L	16x1.5
20NC-06-12	3/8-18	12L	18x1.5

*NPT Male to DIN Female Swivel continued next column*

Part Number	NPT	DIN (mm)	
		Tube	Thread
20NC-08-15	1/2-14	15L	22x1.5
20NC-08-18	1/2-14	18L	26x1.5
20NC-12-22	3/4-14	22L	30x2.0
20NC-16-28	1-11½	28L	36x2.0
20NC-20-35	1¼-11½	35L	42x2.0
20NC-24-42	1½-11½	42L	52x2.0
20ND-04-06	1/4-18	6S	14x1.5
20ND-04-08	1/4-18	8S	16x1.5
20ND-06-10	3/8-18	10S	18x1.5
20ND-06-12	3/8-18	12S	20x1.5
20ND-08-14	1/2-14	14S	22x1.5
20ND-08-16	1/2-14	16S	24x1.5
20ND-12-20	3/4-14	20S	30x2.0
20ND-16-25	1¼-11½	25S	36x2.0
20ND-20-30	1¼-11½	30S	42x2.0
20ND-20-38	1½-11½	38S	52x2.0

## DIN to SAE O-Ring Male

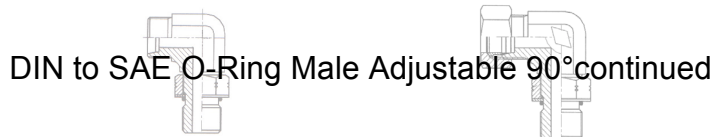


Body Only

Assembled with Nuts & Sleeves

Part Number	DIN (mm)		SAE O-Ring
	Tube	Thread	
10CO-08-04	8L	14x1.5	7/16-20
10CO-10-04	10L	16x1.5	7/16-20
10CO-12-06	12L	18x1.5	9/16-18
10CO-12-08	12L	18x1.5	3/4-16
10CO-12-10	12L	18x1.5	7/8-14
10CO-15-08	15L	22x1.5	3/4-16
10CO-15-10	15L	22x1.5	7/8-14
10CO-18-08	18L	26x1.5	3/4-16
10CO-18-10	18L	26x1.5	7/8-14
10CO-22-08	22L	30x2.0	3/4-16
10CO-22-10	22L	30x2.0	7/8-14

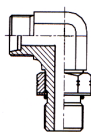
*DIN to SAE O-Ring Male continued next page*



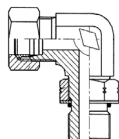
Part Number	DIN (mm)		SAE O-Ring
	Tube	Thread	
<b>10CO-22-12</b>	22L	30x2.0	1 1/16-12
<b>10CO-22-16</b>	22L	30x2.0	1 5/16-12
<b>10CO-28-12</b>	28L	36x2.0	1 1/16-12
<b>10CO-28-16</b>	28L	36x2.0	1 5/16-12
<b>10CO-35-16</b>	35L	45x2.0	1 5/16-12
<b>10CO-35-20</b>	35L	45x2.0	1 5/8-12
<b>10CO-42-20</b>	42L	52x2.0	1 5/8-12
<b>10DO-08-04</b>	8S	16x1.5	7/16-20
<b>10DO-08-06</b>	8S	16x1.5	9/16-18
<b>10DO-10-06</b>	10S	18x1.5	9/16-18
<b>10DO-12-06</b>	12S	20x1.5	9/16-18
<b>10DO-12-08</b>	12S	20x1.5	3/4-16
<b>10DO-16-08</b>	16S	24x1.5	3/4-16
<b>10DO-16-10</b>	16S	24x1.5	7/8-14
<b>10DO-20-08</b>	20S	30x2.0	3/4-16
<b>10DO-20-10</b>	20S	30x2.0	7/8-14
<b>10DO-20-12</b>	20S	30x2.0	1 1/16-12
<b>10DO-25-12</b>	25S	36x2.0	1 1/16-12
<b>10DO-25-16</b>	25S	36x2.0	1 5/16-12
<b>10DO-30-16</b>	30S	42x2.0	1 5/16-12
<b>10DO-30-20</b>	30S	42x2.0	1 5/8-12
<b>10DO-38-20</b>	38S	52x2.0	1 5/8-12

Part Number	DIN (mm)		SAE O-Ring
	Tube	Thread	
<b>19CO-15-08</b>	15L	22x1.5	3/4-16
<b>19CO-18-12</b>	18L	26x1.5	1 1/16-12
<b>19CO-22-12</b>	22L	30x2.0	1 1/16-12
<b>19CO-28-16</b>	28L	36x2.0	1 1/16-12
<b>19CO-35-20</b>	35L	45x2.0	1 5/8-12
<b>19CO-42-24</b>	42L	52x2.0	1 7/8-12
<b>19DO-06-04</b>	6S	14x1.5	7/16-20
<b>19DO-08-06</b>	8S	16x1.5	9/16-18
<b>19DO-10-06</b>	10S	18x1.5	9/16-18
<b>19DO-10-08</b>	10S	18x1.5	3/4-16
<b>19DO-12-08</b>	12S	20x1.5	3/4-16
<b>19DO-14-10</b>	14S	22x1.5	7/8-14
<b>19DO-16-10</b>	16S	24x1.5	7/8-14
<b>19DO-20-12</b>	20S	30x2.0	1 1/16-12
<b>19DO-25-16</b>	25S	36x2.0	1 5/16-12
<b>19DO-30-20</b>	30S	42x2.0	1 5/8-12
<b>19DO-38-24</b>	38S	52x2.0	1 7/8-12

## DIN to SAE O-Ring Male 90° Adjustable Elbow



Body Only

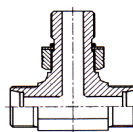


Assembled with Nuts & Sleeves

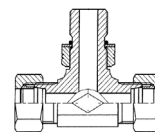
Part Number	DIN (mm)		SAE O-Ring
	Tube	Thread	
<b>19CO-06-04</b>	6L	12x1.5	7/16-20
<b>19CO-08-04</b>	8L	14x1.5	7/16-20
<b>19CO-10-04</b>	10L	16x1.5	7/16-20
<b>19CO-10-06</b>	10L	16x1.5	9/16-18
<b>19CO-12-06</b>	12L	18x1.5	9/16-18

DIN to SAE O-Ring Male Adjustable 90° Elbow continued next column

## DIN to SAE O-Ring Adjustable Male Branch Tee



Body Only



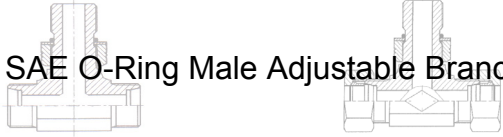
Assembled with Nuts & Sleeves

Part Number	DIN (mm Both)		SAE Nut, Washer & O-Ring
	Tube	Thread	
<b>ACCO-06-06-04</b>	6L	12X1.5	7/16-20
<b>ACCO-08-08-06</b>	8L	14X1.5	9/16-18
<b>ACCO-10-10-06</b>	10L	16X1.5	9/16-18
<b>ACCO-12-12-08</b>	12L	18X1.5	3/4-14
<b>ACCO-15-15-10</b>	15L	22x1.5	7/8-14
<b>ACCO-18-18-12</b>	18L	26x1.5	1 1/16-12
<b>ACCO-22-22-12</b>	22L	30x2.0	1 1/16-12
<b>ACCO-28-28-16</b>	28L	36x2.0	1 5/16-12
<b>ACCO-35-35-20</b>	35L	45x2.0	1 5/8-12

DIN to SAE O-Ring Male Adjustable Run Tee continued next page

## JIC Male to DIN Male

### DIN to SAE O-Ring Male Adjustable Branch Tee



Part Number	DIN (mm Both)		SAE Nut, Washer & O-Ring
	Tube	Thread	
<b>ADDO-06-06-04</b>	6S	14x1.5	7/16-20
<b>ADDO-08-08-06</b>	8S	16x1.5	9/16-18
<b>ADDO-10-10-06</b>	10S	18x1.5	9/16-18
<b>ADDO-12-12-08</b>	12S	20x1.5	3/4-14
<b>ADDO-14-14-10</b>	14S	22x1.5	7/8-14
<b>ADDO-16-16-10</b>	16S	24x1.5	7/8-14
<b>ADDO-20-20-12</b>	20S	30x2.0	1 1/16-12
<b>ADDO-25-25-16</b>	25S	36x2.0	1 5/16-12
<b>ADDO-30-30-20</b>	30S	42x2.0	1 5/8-12

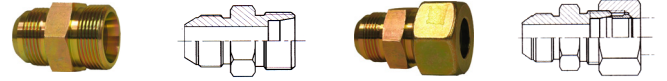
### DIN to SAE O-Ring Adjustable Male Run Tee



Body Only

Assembled with Nuts & Sleeves

Part Number	DIN (mm Both)		SAE Nut, Washer & O-Ring
	Tube	Thread	
<b>ACOC-06-06-04</b>	6L	12X1.5	7/16-20
<b>ACOC-08-08-06</b>	8L	14X1.5	9/16-18
<b>ACOC-10-10-06</b>	10L	16X1.5	9/16-18
<b>ACOC-12-12-08</b>	12L	18X1.5	3/4-14
<b>ACOC-15-15-10</b>	15L	22x1.5	7/8-14
<b>ACOC-18-18-12</b>	18L	26x1.5	1 1/16-12
<b>ACOC-22-22-12</b>	22L	30x2.0	1 1/16-12
<b>ACOC-28-28-16</b>	28L	36x2.0	1 5/16-12
<b>ACOC-35-35-20</b>	35L	45x2.0	1 5/8-12
<b>ADOD-06-06-04</b>	6S	14X1.5	7/16-20
<b>ADOD-08-08-06</b>	8S	16X1.5	9/16-18
<b>ADOD-10-10-06</b>	10S	18X1.5	9/16-18
<b>ADOD-12-12-08</b>	12S	20X1.5	3/4-14
<b>ADOD-14-14-10</b>	14S	22X1.5	7/8-14
<b>ADOD-16-16-10</b>	16S	24X1.5	7/8-14
<b>ADOD-20-20-12</b>	20S	30X2.0	1 1/16-12
<b>ADOD-25-25-16</b>	25S	36X2.0	1 5/16-12
<b>ADOD-30-30-20</b>	30S	42X2.0	1 5/8-12



Body Only

Assembled with Nuts & Sleeves

Part Number	JIC	DIN (mm)	
		Tube	Thread
<b>10JA-04-06</b>	7/16-20	6LL	10x1.0
<b>10JA-04-08</b>	7/16-20	8LL	12x1.0
<b>10JC-04-06</b>	7/16-20	6L	12x1.5
<b>10JC-04-08</b>	7/16-20	8L	14x1.5
<b>10JC-06-08</b>	9/16-18	8L	14x1.5
<b>10JC-06-10</b>	9/16-18	10L	16x1.5
<b>10JC-06-12</b>	9/16-18	12L	18x1.5
<b>10JC-08-12</b>	3/4-14	12L	18x1.5
<b>10JC-08-15</b>	3/4-14	15L	22x1.5
<b>10JC-10-15</b>	7/8-14	15L	22x1.5
<b>10JC-10-18</b>	7/8-14	18L	26x1.5
<b>10JC-12-18</b>	1 1/16-12	18L	26x1.5
<b>10JC-12-22</b>	1 1/16-12	22L	30x2.0
<b>10JC-12-28</b>	1 1/16-12	28L	36x2.0
<b>10JC-16-22</b>	1 5/16-12	22L	30x2.0
<b>10JC-16-28</b>	1 5/16-12	28L	36x2.0
<b>10JC-20-35</b>	1 5/8-12	35L	45x2.0
<b>10JC-20-42</b>	1 5/8-12	42L	52x2.0
<b>10JC-24-42</b>	1 7/8-12	42L	52x2.0
<b>10JD-04-06</b>	7/16-20	6S	14x1.5
<b>10JD-04-08</b>	7/16-20	8S	16x1.5
<b>10JD-04-10</b>	7/16-20	10S	18x1.5
<b>10JD-06-08</b>	9/16-18	8S	16x1.5
<b>10JD-06-10</b>	9/16-18	10S	18x1.5
<b>10JD-06-12</b>	9/16-18	12S	20x1.5
<b>10JD-06-14</b>	9/16-18	14S	22x1.5
<b>10JD-08-12</b>	3/4-14	12S	20x1.5
<b>10JD-08-14</b>	3/4-14	14S	22x1.5
<b>10JD-08-16</b>	3/4-14	16S	24x1.5
<b>10JD-10-16</b>	7/8-14	16S	24x1.5
<b>10JD-10-20</b>	7/8-14	20S	30x2.0
<b>10JD-12-20</b>	1 1/16-12	20S	30x2.0
<b>10JD-12-25</b>	1 1/16-12	25S	36x2.0
<b>10JD-16-25</b>	1 5/16-12	25S	36x2.0
<b>10JD-20-30</b>	1 5/8-12	30S	42x2.0

JIC Male to DIN continued next page



Part Number	JIC	DIN (mm)	
		Tube	Thread
<b>10JD-20-38</b>	15/8-12	38S	52x2.0
<b>10JD-24-38</b>	17/8-12	38S	52x2.0

Part Number	JIC	DIN (mm)	
		Tube	Thread
<b>20JD-06-10</b>	9/16-18	10S	18x1.5
<b>20JD-06-12</b>	9/16-18	12S	20x1.5
<b>20JD-06-14</b>	9/16-18	14S	14x1.5
<b>20JD-08-12</b>	3/4-14	12S	20x1.5
<b>20JD-08-14</b>	3/4-14	14S	22x1.5
<b>20JD-08-16</b>	3/4-14	16S	24x1.5
<b>20JD-10-20</b>	7/8-14	20S	30x2.0
<b>20JD-10-25</b>	7/8-14	25S	36x2.0
<b>20JD-12-16</b>	11/16-12	16S	24X1.5
<b>20JD-12-20</b>	11/16-12	20S	30x2.0
<b>20JD-12-25</b>	11/16-12	25S	36x2.0
<b>20JD-16-25</b>	15/16-12	25S	36x2.0
<b>20JD-16-30</b>	15/16-12	30S	42X2.0
<b>20JD-20-30</b>	15/8-12	30S	42x2.0
<b>20JD-20-38</b>	15/8-12	38S	52x2.0
<b>20JD-24-38</b>	17/8-12	38S	52x2.0

## JIC Male to DIN Female Swivel



Part Number	JIC	DIN (mm)	
		Tube	Thread
<b>20JA-04-06</b>	7/16-20	6LL	10x1.0
<b>20JA-04-08</b>	7/16-20	8LL	12x1.0
<b>20JC-04-06</b>	7/16-20	6L	12x1.5
<b>20JC-04-08</b>	7/16-20	8L	14x1.5
<b>20JC-05-08</b>	1/2-20	8L	14x1.5
<b>20JC-05-10</b>	1/2-20	10L	16x1.5
<b>20JC-06-08</b>	9/16-18	8L	14x1.5
<b>20JC-06-10</b>	9/16-18	10L	16x1.5
<b>20JC-06-12</b>	9/16-18	12L	18x1.5
<b>20JC-08-12</b>	3/4-16	12L	18x1.5
<b>20JC-08-15</b>	3/4-16	15L	22x1.5
<b>20JC-10-15</b>	7/8-14	15L	22x1.5
<b>20JC-10-18</b>	7/8-14	18L	26x1.5
<b>20JC-12-18</b>	11/16-12	18L	26x1.5
<b>20JC-12-22</b>	11/16-12	22L	30x2.0
<b>20JC-16-28</b>	15/16-12	28L	36x2.0
<b>20JC-16-35</b>	15/16-12	35L	45x2.0
<b>20JC-20-35</b>	15/8-12	35L	45x2.0
<b>20JC-20-42</b>	15/8-12	42L	52x2.0
<b>20JC-24-42</b>	17/8-12	42L	52x2.0
<b>20JD-04-06</b>	7/16-20	6S	14x1.5
<b>20JD-04-08</b>	7/16-20	8S	16x1.5
<b>20JD-04-10</b>	7/16-20	10S	18x1.5
<b>20JD-05-10</b>	1/2-20	10S	18x1.5
<b>20JD-06-08</b>	9/16-18	8S	16x1.5

## JIC Male to Metric Standpipe



Part Number	JIC	Tube O.D. (mm)
<b>10JV-04-06</b>	7/16-20	6
<b>10JV-04-08</b>	7/16-20	8
<b>10JV-06-08</b>	9/16-18	8
<b>10JV-06-10</b>	9/16-18	10
<b>10JV-06-12</b>	9/16-18	12
<b>10JV-08-12</b>	3/4-16	12
<b>10JV-08-14</b>	3/4-16	14
<b>10JV-08-16</b>	3/4-16	16
<b>10JV-10-15</b>	7/8-14	15
<b>10JV-10-16</b>	7/8-14	16
<b>10JV-12-16</b>	11/16-12	16

JIC Male to DIN Female Swivel continued next column

JIC Male to Metric Standpipe continued next page

## DIN to Metric Standpipe continued

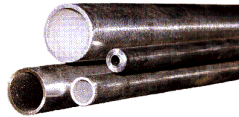


## Metric Carbon Steel Tubing continued



Part Number	JIC	Tube O.D. (mm)
10JV-12-18	11/16-12	18
10JV-12-20	11/16-12	20
10JV-12-22	11/16-12	22
10JV-16-22	15/16-12	22
10JV-16-25	15/16-12	25
10JV-16-28	15/16-12	28
10JV-16-30	15/16-12	30
10JV-16-38	15/16-12	38
10JV-20-28	15/8-12	28
10JV-20-30	15/8-12	30
10JV-20-38	15/8-12	38

## Metric Carbon Steel Tubing



Part Number	O.D. (mm)	Wall (mm)	Burst Pressure (4:1 Safety Factor)	
			BAR	PSI
TS-4x0.5mm	4	0.5	313	4539
TS-4x1.0mm	4	1.0	522	7569
TS-6x1.0mm	6	1.0	389	5641
TS-6x1.5mm	6	1.5	549	7961
TS-8x1.0mm	8	1.0	333	4829
TS-8x1.5mm	8	1.5	431	6250
TS-10x1.0mm	10	1.0	282	4089
TS-10x1.5mm	10	1.5	373	5409
TS-10x2.0mm	10	2.0	478	6931
TS-12x1.0mm	12	1.0	235	3408
TS-12x1.5mm	12	1.5	353	5119
TS-12x2.0mm	12	2.0	409	5931
TS-14x2.0mm	14	2.0	403	5844
TS-15x1.5mm	15	1.5	282	4089
TS-15x2.0mm	15	2.0	376	5452
TS-16x1.5mm	16	1.5	264	3828

Metric Carbon Steel Tubing continued next column

Part Number	O.D. (mm)	Wall (mm)	Burst Pressure (4:1 Safety Factor)	
			BAR	PSI
TS-16x2.0mm	16	2.0	353	5119
TS-16x2.5mm	16	2.5	386	5597
TS-16x3.0mm	16	3.0	452	6554
TS-18x1.5mm	18	1.5	235	3408
TS-18x2.0mm	18	2.0	313	4539
TS-20x1.5mm	20	1.5	212	3074
TS-20x2.0mm	20	2.0	282	4089
TS-20x2.5mm	20	2.5	353	5119
TS-20x3.0mm	20	3.0	373	5409
TS-22x1.5mm	22	1.5	192	2784
TS-22x2.0mm	22	2.0	266	3857
TS-25x2.5mm	25	2.5	282	4089
TS-25x3.0mm	25	3.0	338	4901
TS-25x4.0mm	25	4.0	394	5713
TS-28x2.0mm	28	2.0	201	2915
TS-28x2.5mm	28	2.5	252	3654
TS-30x2.0mm	30	2.0	188	2726
TS-30x2.5mm	30	2.5	235	3408
TS-30x3.0mm	30	3.0	282	4089
TS-30x4.0mm	30	4.0	376	5452
TS-35x3.0mm	35	3.0	242	3509
TS-38x4.0mm	38	4.0	297	4307
TS-38x5.0mm	38	5.0	371	5380
TS-42x2.0mm	42	2.0	134	1943
TS-42x3.0mm	42	3.0	201	2915
TS-42x4.0mm	42	4.0	269	3901

Please call for Tubing Prices.

Other sizes available upon request.  
Stainless Steel and Copper Tubing available upon request.