

### PRODUCT INDEX

The market for hydraulic adaptors is truly a diverse one. Hydraulics are used in almost every facet of industry, including Agriculture, Transport, Waste, Defence, Marine, Construction, Mining and Engineering. Hydraulic adaptors plays a crucial role in these markets, ensuring valves, ports and hose assemblies are routed and connecting in the most efficient way.

The range of hydraulic adaptors is in excess of 3000 product lines which currently includes variations of JIC, SAE, Metric, BSP, BSPP, BSPT, NPTF, NPSM, ORFS, SAE, JIS, plus a wide range of special items manufactured to customer drawings.



All adaptors are available in 316 Stainless Steel

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




































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For Technical Data please see Section 9

BSPP Male x BSPT Male



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Part Number	Thread 1	Thread 2
<b>A-02-02</b>	1/8	1/8
<b>A-02-04</b>	1/8	1/4
<b>A-02-06</b>	1/8	3/8
<b>A-02-08</b>	1/8	1/2
<b>A-04-02</b>	1/4	1/8
<b>A-04-04</b>	1/4	1/4
<b>A-04-06</b>	1/4	3/8
<b>A-04-08</b>	1/4	1/2
<b>A-04-12</b>	1/4	3/4
<b>A-06-02</b>	3/8	1/8
<b>A-06-04</b>	3/8	1/4
<b>A-06-06</b>	3/8	3/8
<b>A-06-08</b>	3/8	1/2
<b>A-06-10</b>	3/8	5/8
<b>A-06-12</b>	3/8	3/4
<b>A-06-16</b>	3/8	1
<b>A-08-04</b>	1/2	1/4
<b>A-08-06</b>	1/2	3/8
<b>A-08-08</b>	1/2	1/2
<b>A-08-10</b>	1/2	5/8
<b>A-08-12</b>	1/2	3/4
<b>A-08-16</b>	1/2	1
<b>A-08-20</b>	1/2	1 1/4
<b>A-10-06</b>	5/8	3/8
<b>A-10-08</b>	5/8	1/2
<b>A-10-10</b>	5/8	5/8
<b>A-10-12</b>	5/8	3/4
<b>A-12-04</b>	3/4	1/4
<b>A-12-06</b>	3/4	3/8
<b>A-12-08</b>	3/4	1/2
<b>A-12-10</b>	3/4	5/8

Part Number	Thread 1	Thread 2
<b>A-12-12</b>	3/4	3/4
<b>A-12-16</b>	3/4	1
<b>A-12-20</b>	3/4	1 1/4
<b>A-12-24</b>	3/4	1 1/2
<b>A-16-06</b>	1	3/8
<b>A-16-08</b>	1	1/2
<b>A-16-12</b>	1	3/4
<b>A-16-16</b>	1	1
<b>A-16-20</b>	1	1 1/4
<b>A-16-24</b>	1	1 1/2
<b>A-16-32</b>	1	2
<b>A-20-12</b>	1 1/4	3/4
<b>A-20-16</b>	1 1/4	1
<b>A-20-20</b>	1 1/4	1 1/4
<b>A-20-24</b>	1 1/4	1 1/2
<b>A-20-32</b>	1 1/4	2
<b>A-24-16</b>	1 1/2	1
<b>A-24-20</b>	1 1/2	1 1/4
<b>A-24-24</b>	1 1/2	1 1/2
<b>A-24-32</b>	1 1/2	2
<b>A-32-16</b>	2	1
<b>A-32-20</b>	2	1 1/4
<b>A-32-24</b>	2	1 1/2
<b>A-32-32</b>	2	2
<b>A-32-40</b>	2	2 1/2
<b>A-32-48</b>	2	3
<b>A-40-40</b>	2 1/2	2 1/2
<b>A-40-32</b>	2 1/2	2
<b>A-40-48</b>	2 1/2	3
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### BSPP Male x BSPP Male Bulkhead



1.  
3

Part Number	Thread 1	Thread 2
<b>B-02-02</b>	1/8	1/8
<b>B-04-04</b>	1/4	1/4
<b>B-04-06</b>	1/4	3/8
<b>B-06-04</b>	3/8	1/4
<b>B-06-06</b>	3/8	3/8
<b>B-06-08</b>	3/8	1/2
<b>B-08-06</b>	1/2	3/8
<b>B-08-08</b>	1/2	1/2
<b>B-10-10</b>	5/8	5/8
<b>B-12-12</b>	3/4	3/4
<b>B-16-16</b>	1	1
<b>B-20-20</b>	1 1/4	1 1/4
<b>B-24-24</b>	1 1/2	1 1/2
<b>B-32-32</b>	2	2

### BSPP Male x BSPP Male Bulkhead Extended



Part Number	Thread 1	Thread 2
<b>BE-04-04</b>	1/4	1/4
<b>BE-06-06</b>	3/8	3/8
<b>BE-08-08</b>	1/2	1/2
<b>BE-10-10</b>	5/8	5/8
<b>BE-12-12</b>	3/4	3/4

**BSPP Male x BSPP Male Bulkhead without Nut**



1.  
3

Part Number	Thread 1	Thread 2
<b>BWL-02-02</b>	1/8	1/8
<b>BWL-04-04</b>	1/4	1/4
<b>BWL-04-06</b>	1/4	3/8
<b>BWL-06-04</b>	3/8	1/4
<b>BWL-06-06</b>	3/8	3/8
<b>BWL-06-08</b>	3/8	1/2
<b>BWL-08-06</b>	1/2	3/8
<b>BWL-08-08</b>	1/2	1/2
<b>BWL-08-12</b>	1/2	3/4
<b>BWL-10-10</b>	5/8	5/8
<b>BWL-12-08</b>	3/4	1/2
<b>BWL-12-12</b>	3/4	3/4
<b>BWL-16-16</b>	1	1
<b>BWL-20-20</b>	1 1/4	1 1/4
<b>BWL-24-24</b>	1 1/2	1 1/2
<b>BWL-32-32</b>	2	2

**BSPP Locknut**



Part Number	Thread 1
<b>LNB-02</b>	1/8
<b>LNB-04</b>	1/4
<b>LNB-06</b>	3/8
<b>LNB-08</b>	1/2
<b>LNB-10</b>	5/8
<b>LNB-12</b>	3/4
<b>LNB-16</b>	1
<b>LNB-20</b>	1 1/4
<b>LNB-24</b>	1 1/2
<b>LNB-32</b>	2



1.  
3

Part Number	Thread 1	Thread 2
<b>C-02-07</b>	1/8	7/16
<b>C-02-08</b>	1/8	1/2
<b>C-02-09</b>	1/8	9/16
<b>C-04-07</b>	1/4	7/16
<b>C-04-08</b>	1/4	1/2
<b>C-04-09</b>	1/4	9/16
<b>C-04-12</b>	1/4	3/4
<b>C-04-14</b>	1/4	7/8
<b>C-04-17</b>	1/4	1 1/16
<b>C-06-07</b>	3/8	7/16
<b>C-06-08</b>	3/8	1/2
<b>C-06-09</b>	3/8	9/16
<b>C-06-10</b>	3/8	5/8
<b>C-06-12</b>	3/8	3/4
<b>C-06-14</b>	3/8	7/8
<b>C-06-17</b>	3/8	1 1/16
<b>C-06-21</b>	3/8	1 5/16
<b>C-08-07</b>	1/2	7/16
<b>C-08-08</b>	1/2	1/2
<b>C-08-09</b>	1/2	9/16
<b>C-08-12</b>	1/2	3/4
<b>C-08-14</b>	1/2	7/8
<b>C-08-17</b>	1/2	1 1/16
<b>C-08-21</b>	1/2	1 5/16
<b>C-10-09</b>	5/8	9/16
<b>C-10-12</b>	5/8	3/4
<b>C-10-14</b>	5/8	7/8
<b>C-10-17</b>	5/8	1 1/16
<b>C-10-19</b>	5/8	1 3/16
<b>C-10-21</b>	5/8	1 5/16

Part Number	Thread 1	Thread 2
<b>C-12-07</b>	3/4	7/16
<b>C-12-08</b>	3/4	1/2
<b>C-12-09</b>	3/4	9/16
<b>C-12-12</b>	3/4	3/4
<b>C-12-14</b>	3/4	7/8
<b>C-12-17</b>	3/4	1 1/16
<b>C-12-19</b>	3/4	1 3/16
<b>C-12-21</b>	3/4	1 5/16
<b>C-12-26</b>	3/4	1 5/8
<b>C-12-30</b>	3/4	1 7/8
<b>C-16-12</b>	1	3/4
<b>C-16-14</b>	1	7/8
<b>C-16-17</b>	1	1 1/16
<b>C-16-19</b>	1	1 3/16
<b>C-16-21</b>	1	1 5/16
<b>C-16-26</b>	1	1 5/8
<b>C-16-30</b>	1	1 7/8
<b>C-16-40</b>	1	2 1/2
<b>C-20-17</b>	1 1/4	1 1/16
<b>C-20-21</b>	1 1/4	1 5/16
<b>C-20-26</b>	1 1/4	1 5/8
<b>C-20-30</b>	1 1/4	1 7/8
<b>C-20-40</b>	1 1/4	2 1/2
<b>C-24-21</b>	1 1/2	1 5/16
<b>C-24-26</b>	1 1/2	1 5/8
<b>C-24-30</b>	1 1/2	1 7/8
<b>C-24-40</b>	1 1/2	2 1/2
<b>C-32-30</b>	2	1 7/8
<b>C-32-40</b>	2	2 1/2

BSPP Male x Metric Male



1.  
3

Part Number	Thread 1	Thread 2
<b>N-02-12</b>	1/8	12
<b>N-02-14</b>	1/8	14
<b>N-04-10</b>	1/4	10
<b>N-04-12</b>	1/4	12
<b>N-04-14</b>	1/4	14
<b>N-04-16</b>	1/4	16
<b>N-04-18</b>	1/4	18
<b>N-04-20</b>	1/4	20
<b>N-04-22</b>	1/4	22
<b>N-06-12</b>	3/8	12
<b>N-06-14</b>	3/8	14
<b>N-06-16</b>	3/8	16
<b>N-06-18</b>	3/8	18
<b>N-06-20</b>	3/8	20
<b>N-06-22</b>	3/8	22
<b>N-08-16</b>	1/2	16
<b>N-08-14</b>	1/2	14
<b>N-08-18</b>	1/2	18
<b>N-08-20</b>	1/2	20
<b>N-08-22</b>	1/2	22
<b>N-08-24</b>	1/2	24
<b>N-08-26</b>	1/2	26
<b>N-10-14</b>	5/8	14
<b>N-10-16</b>	5/8	16

Part Number	Thread 1	Thread 2
<b>N-10-18</b>	5/8	18
<b>N-10-22</b>	5/8	22
<b>N-10-26</b>	5/8	26
<b>N-12-12</b>	3/4	12
<b>N-12-16</b>	3/4	16
<b>N-12-18</b>	3/4	18
<b>N-12-20</b>	3/4	20
<b>N-12-22</b>	3/4	22
<b>N-12-24</b>	3/4	24
<b>N-12-26</b>	3/4	26
<b>N-12-30</b>	3/4	30
<b>N-16-18</b>	1	18
<b>N-16-22</b>	1	22
<b>N-16-26</b>	1	26
<b>N-16-30</b>	1	30
<b>N-16-36</b>	1	36
<b>N-16-38</b>	1	38
<b>N-20-30</b>	1 1/4	30
<b>N-20-38</b>	1 1/4	38
<b>N-24-38</b>	1 1/2	38
<b>N-24-45</b>	1 1/2	45
<b>N-32-45</b>	2	45
<b>N-32-52</b>	2	52



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Part Number	Thread 1	Thread 2
<b>AH-02-02</b>	1/8	1/8
<b>AH-04-02</b>	1/4	1/8
<b>AH-04-04</b>	1/4	1/4
<b>AH-06-02</b>	3/8	1/8
<b>AH-06-04</b>	3/8	1/4
<b>AH-06-06</b>	3/8	3/8
<b>AH-08-02</b>	1/2	1/8
<b>AH-08-04</b>	1/2	1/4
<b>AH-08-06</b>	1/2	3/8
<b>AH-08-08</b>	1/2	1/2
<b>AH-10-04</b>	5/8	1/4
<b>AH-10-06</b>	5/8	3/8
<b>AH-10-08</b>	5/8	1/2
<b>AH-10-10</b>	5/8	5/8
<b>AH-12-04</b>	3/4	1/4
<b>AH-12-06</b>	3/4	3/8
<b>AH-12-08</b>	3/4	1/2
<b>AH-12-10</b>	3/4	5/8
<b>AH-12-12</b>	3/4	3/4
<b>AH-16-04</b>	1	1/4
<b>AH-16-06</b>	1	3/8
<b>AH-16-08</b>	1	1/2
<b>AH-16-10</b>	1	5/8
<b>AH-16-12</b>	1	3/4
<b>AH-16-16</b>	1	1
<b>AH-20-04</b>	1 1/4	1/4
<b>AH-20-06</b>	1 1/4	3/8
<b>AH-20-08</b>	1 1/4	1/2

Part Number	Thread 1	Thread 2
<b>AH-20-10</b>	1 1/4	5/8
<b>AH-20-12</b>	1 1/4	3/4
<b>AH-20-16</b>	1 1/4	1
<b>AH-20-20</b>	1 1/4	1 1/4
<b>AH-24-04</b>	1 1/2	1/4
<b>AH-24-06</b>	1 1/2	3/8
<b>AH-24-08</b>	1 1/2	1/2
<b>AH-24-12</b>	1 1/2	3/4
<b>AH-24-16</b>	1 1/2	1
<b>AH-24-20</b>	1 1/2	1 1/4
<b>AH-24-24</b>	1 1/2	1 1/2
<b>AH-28-24</b>	1 3/4	1 1/2
<b>AH-28-28</b>	1 3/4	1 3/4
<b>AH-32-04</b>	2	1/4
<b>AH-32-08</b>	2	1/2
<b>AH-32-12</b>	2	3/4
<b>AH-32-16</b>	2	1
<b>AH-32-20</b>	2	1 1/4
<b>AH-32-24</b>	2	1 1/2
<b>AH-32-28</b>	2	1 3/4
<b>AH-32-32</b>	2	2
<b>AH-40-20</b>	2 1/2	1 1/4
<b>AH-40-24</b>	2 1/2	1 1/2
<b>AH-40-32</b>	2 1/2	2
<b>AH-40-40</b>	2 1/2	2 1/2
<b>AH-48-32</b>	3	2
<b>AH-48-40</b>	3	2 1/2
<b>AH-48-48</b>	3	3

**BSPP Male x JIS Metric Male**



Part Number	Thread 1	Thread 2
<b>AK-04-14</b>	1/4	14
<b>AK-06-18</b>	3/8	18
<b>AK-06-22</b>	3/8	22
<b>AK-08-22</b>	1/2	22
<b>AK-08-24</b>	1/2	24
<b>AK-12-24</b>	3/4	24
<b>AK-12-30</b>	3/4	30
<b>AK-16-33</b>	1	33
<b>AK-16-36</b>	1	36

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**BSPP Male x JIS BSPP Male**



Part Number	Thread 1	Thread 2
<b>AM-04-04</b>	1/4	1/4
<b>AM-06-06</b>	3/8	3/8
<b>AM-08-08</b>	1/2	1/2
<b>AM-12-12</b>	3/4	3/4
<b>AM-16-16</b>	1	1

**BSPP Male Plug**



Part Number	Thread 1
<b>AP-02</b>	1/8
<b>AP-04</b>	1/4
<b>AP-06</b>	3/8
<b>AP-08</b>	1/2
<b>AP-10</b>	5/8
<b>AP-12</b>	3/4
<b>AP-16</b>	1
<b>AP-20</b>	1 1/4
<b>AP-24</b>	1 1/2
<b>AP-32</b>	2
<b>AP-40</b>	2 1/2
<b>AP-48</b>	3

**BSPP Swivel Female Cap**



Part Number	Thread 1
<b>AX-02</b>	1/8
<b>AX-04</b>	1/4
<b>AX-06</b>	3/8
<b>AX-08</b>	1/2
<b>AX-10</b>	5/8
<b>AX-12</b>	3/4
<b>AX-16</b>	1
<b>AX-20</b>	1 1/4
<b>AX-24</b>	1 1/2
<b>AX-32</b>	2

### BSPF Fixed Female x BSPF Fixed Female

Part Number	Thread 1	Thread 2
<b>WP-02-02</b>	1/8	1/8
<b>WP-04-02</b>	1/4	1/8
<b>WP-04-04</b>	1/4	1/4
<b>WP-04-08</b>	1/4	1/2
<b>WP-06-04</b>	3/8	1/4
<b>WP-06-06</b>	3/8	3/8
<b>WP-08-06</b>	1/2	3/8
<b>WP-08-08</b>	1/2	1/2
<b>WP-08-10</b>	1/2	5/8
<b>WP-10-10</b>	5/8	5/8
<b>WP-12-08</b>	3/4	1/2
<b>WP-12-12</b>	3/4	3/4
<b>WP-16-12</b>	1	3/4
<b>WP-16-16</b>	1	1
<b>WP-20-12</b>	1 1/4	3/4
<b>WP-20-16</b>	1 1/4	1
<b>WP-20-20</b>	1 1/4	1 1/4
<b>WP-24-16</b>	1 1/2	1
<b>WP-24-20</b>	1 1/2	1 1/4
<b>WP-24-24</b>	1 1/2	1 1/2
<b>WP-32-32</b>	2	2



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### BSPM Male x BSPT Fixed Female

Part Number	Thread 1	Thread 2
<b>AQPT-04-02</b>	1/4	1/8
<b>AQPT-04-04</b>	1/4	1/4
<b>AQPT-06-04</b>	3/8	1/4
<b>AQPT-06-06</b>	3/8	3/8
<b>AQPT-08-08</b>	1/2	1/2
<b>AQPT-12-12</b>	3/4	3/4
<b>AQPT-16-16</b>	1	1
<b>AQPT-20-20</b>	1 1/4	1 1/4
<b>AQPT-24-24</b>	1 1/2	1 1/2



### BSPM Male x NPTF Fixed Female

Part Number	Thread 1	Thread 2
<b>AQN-02-02</b>	1/8	1/8
<b>AQN-04-02</b>	1/4	1/8
<b>AQN-04-04</b>	1/4	1/4
<b>AQN-04-06</b>	1/4	3/8
<b>AQN-06-04</b>	3/8	1/4
<b>AQN-06-06</b>	3/8	3/8
<b>AQN-08-04</b>	1/2	1/4
<b>AQN-08-06</b>	1/2	3/8
<b>AQN-08-08</b>	1/2	1/2
<b>AQN-12-12</b>	3/4	3/4



BSPP Male x BSPP Fixed Female



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Part Number	Thread 1	Thread 2
<b>AQP-02-02</b>	1/8	1/8
<b>AQP-02-04</b>	1/8	1/4
<b>AQP-04-02</b>	1/4	1/8
<b>AQP-04-04</b>	1/4	1/4
<b>AQP-04-06</b>	1/4	3/8
<b>AQP-04-08</b>	1/4	1/2
<b>AQP-06-02</b>	3/8	1/8
<b>AQP-06-04</b>	3/8	1/4
<b>AQP-06-06</b>	3/8	3/8
<b>AQP-06-08</b>	3/8	1/2
<b>AQP-08-02</b>	1/2	1/8
<b>AQP-08-04</b>	1/2	1/4
<b>AQP-08-06</b>	1/2	3/8
<b>AQP-08-08</b>	1/2	1/2
<b>AQP-08-12</b>	1/2	3/4
<b>AQP-08-16</b>	1/2	1
<b>AQP-10-04</b>	5/8	1/4
<b>AQP-10-06</b>	5/8	3/8
<b>AQP-10-08</b>	5/8	1/2
<b>AQP-12-02</b>	3/4	1/8
<b>AQP-12-04</b>	3/4	1/4
<b>AQP-12-06</b>	3/4	3/8
<b>AQP-12-08</b>	3/4	1/2
<b>AQP-12-10</b>	3/4	5/8
<b>AQP-12-12</b>	3/4	3/4
<b>AQP-12-16</b>	3/4	1
<b>AQP-16-04</b>	1	1/4
<b>AQP-16-06</b>	1	3/8
<b>AQP-16-08</b>	1	1/2
<b>AQP-16-10</b>	1	5/8

Part Number	Thread 1	Thread 2
<b>AQP-16-12</b>	1	3/4
<b>AQP-16-16</b>	1	1
<b>AQP-16-20</b>	1	1 1/4
<b>AQP-16-24</b>	1	1 1/2
<b>AQP-20-04</b>	1 1/4	1/4
<b>AQP-20-06</b>	1 1/4	3/8
<b>AQP-20-08</b>	1 1/4	1/2
<b>AQP-20-12</b>	1 1/4	3/4
<b>AQP-20-16</b>	1 1/4	1
<b>AQP-20-20</b>	1 1/4	1 1/4
<b>AQP-20-24</b>	1 1/4	1 1/2
<b>AQP-24-04</b>	1 1/2	1/4
<b>AQP-24-06</b>	1 1/2	3/8
<b>AQP-24-08</b>	1 1/2	1/2
<b>AQP-24-10</b>	1 1/2	5/8
<b>AQP-24-12</b>	1 1/2	3/4
<b>AQP-24-16</b>	1 1/2	1
<b>AQP-24-20</b>	1 1/2	1 1/4
<b>AQP-24-24</b>	1 1/2	1 1/2
<b>AQP-32-04</b>	2	1/4
<b>AQP-32-06</b>	2	3/8
<b>AQP-32-08</b>	2	1/2
<b>AQP-32-10</b>	2	5/8
<b>AQP-32-12</b>	2	3/4
<b>AQP-32-16</b>	2	1
<b>AQP-32-20</b>	2	1 1/4
<b>AQP-32-24</b>	2	1 1/2
<b>AQP-32-32</b>	2	2
<b>AQP-40-40</b>	2 1/2	2 1/2



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Part Number	Thread 1	Thread 2
<b>AAMP-02-02</b>	1/8	1/8
<b>AAMP-02-04</b>	1/8	1/4
<b>AAMP-02-06</b>	1/8	3/8
<b>AAMP-04-02</b>	1/4	1/8
<b>AAMP-04-04</b>	1/4	1/4
<b>AAMP-04-06</b>	1/4	3/8
<b>AAMP-04-08</b>	1/4	1/2
<b>AAMP-04-12</b>	1/4	3/4
<b>AAMP-06-02</b>	3/8	1/8
<b>AAMP-06-04</b>	3/8	1/4
<b>AAMP-06-06</b>	3/8	3/8
<b>AAMP-06-08</b>	3/8	1/2
<b>AAMP-06-10</b>	3/8	5/8
<b>AAMP-06-12</b>	3/8	3/4
<b>AAMP-06-16</b>	3/8	1
<b>AAMP-08-04</b>	1/2	1/4
<b>AAMP-08-06</b>	1/2	3/8
<b>AAMP-08-08</b>	1/2	1/2
<b>AAMP-08-10</b>	1/2	5/8
<b>AAMP-08-12</b>	1/2	3/4
<b>AAMP-08-16</b>	1/2	1
<b>AAMP-10-06</b>	5/8	3/8
<b>AAMP-10-08</b>	5/8	1/2
<b>AAMP-10-10</b>	5/8	5/8
<b>AAMP-10-12</b>	5/8	3/4
<b>AAMP-10-16</b>	5/8	1

Part Number	Thread 1	Thread 2
<b>AAMP-12-04</b>	3/4	1/4
<b>AAMP-12-06</b>	3/4	3/8
<b>AAMP-12-08</b>	3/4	1/2
<b>AAMP-12-10</b>	3/4	5/8
<b>AAMP-12-12</b>	3/4	3/4
<b>AAMP-12-16</b>	3/4	1
<b>AAMP-12-20</b>	3/4	1 1/4
<b>AAMP-16-08</b>	1	1/2
<b>AAMP-16-10</b>	1	5/8
<b>AAMP-16-12</b>	1	3/4
<b>AAMP-16-16</b>	1	1
<b>AAMP-16-20</b>	1	1 1/4
<b>AAMP-16-24</b>	1	1 1/2
<b>AAMP-20-12</b>	1 1/4	3/4
<b>AAMP-20-16</b>	1 1/4	1
<b>AAMP-20-20</b>	1 1/4	1 1/4
<b>AAMP-20-24</b>	1 1/4	1 1/2
<b>AAMP-20-32</b>	1 1/4	2
<b>AAMP-24-16</b>	1 1/2	1
<b>AAMP-24-20</b>	1 1/2	1 1/4
<b>AAMP-24-24</b>	1 1/2	1 1/2
<b>AAMP-24-32</b>	1 1/2	2
<b>AAMP-32-20</b>	2	1 1/4
<b>AAMP-32-24</b>	2	1 1/2
<b>AAMP-32-32</b>	2	2

*BSPP Swivel Female x Metric Swivel Female*



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Part Number	Thread 1	Thread 2
<b>BMF-04-12</b>	1/4	12
<b>BMF-04-14</b>	1/4	14
<b>BMF-06-12</b>	3/8	12
<b>BMF-06-14</b>	3/8	14
<b>BMF-06-16</b>	3/8	16
<b>BMF-06-18</b>	3/8	18
<b>BMF-06-20</b>	3/8	20
<b>BMF-06-22</b>	3/8	22
<b>BMF-08-16</b>	1/2	16
<b>BMF-08-18</b>	1/2	18
<b>BMF-08-20</b>	1/2	20
<b>BMF-08-22</b>	1/2	22
<b>BMF-10-18</b>	5/8	18

*BSPP Swivel Female x BSPP Swivel Female*



Part Number	Thread 1	Thread 2
<b>AAMF-02-02</b>	1/8	1/8
<b>AAMF-02-04</b>	1/8	1/4
<b>AAMF-02-06</b>	1/8	3/8
<b>AAMF-04-04</b>	1/4	1/4
<b>AAMF-04-06</b>	1/4	3/8
<b>AAMF-06-06</b>	3/8	3/8
<b>AAMF-06-12</b>	3/8	3/4
<b>AAMF-06-16</b>	3/8	1
<b>AAMF-08-04</b>	1/2	1/4
<b>AAMF-08-06</b>	1/2	3/8
<b>AAMF-08-08</b>	1/2	1/2
<b>AAMF-08-10</b>	1/2	5/8
<b>AAMF-08-12</b>	1/2	3/4
<b>AAMF-10-04</b>	5/8	1/4
<b>AAMF-10-06</b>	5/8	3/8
<b>AAMF-10-10</b>	5/8	5/8
<b>AAMF-10-16</b>	5/8	1
<b>AAMF-12-04</b>	3/4	1/4
<b>AAMF-12-10</b>	3/4	5/8
<b>AAMF-12-12</b>	3/4	3/4
<b>AAMF-12-16</b>	3/4	1
<b>AAMF-16-08</b>	1	1/2
<b>AAMF-16-16</b>	1	1
<b>AAMF-16-20</b>	1	1 1/4
<b>AAMF-16-24</b>	1	1 1/2
<b>AAMF-16-32</b>	1	2
<b>AAMF-20-12</b>	1 1/4	3/4
<b>AAMF-20-20</b>	1 1/4	1 1/4
<b>AAMF-20-24</b>	1 1/4	1 1/2
<b>AAMF-24-24</b>	1 1/2	1 1/2
<b>AAMF-24-32</b>	1 1/2	2
<b>AAMF-32-32</b>	2	2

### BSPP Male x JIC Swivel Female

Part Number	Thread 1	Thread 2
<b>AABP-02-07</b>	1/8	7/16
<b>AABP-04-07</b>	1/4	7/16
<b>AABP-04-08</b>	1/4	1/2
<b>AABP-04-09</b>	1/4	9/16
<b>AABP-04-12</b>	1/4	3/4
<b>AABP-06-07</b>	3/8	7/16
<b>AABP-06-08</b>	3/8	1/2
<b>AABP-06-09</b>	3/8	9/16
<b>AABP-06-12</b>	3/8	3/4
<b>AABP-06-14</b>	3/8	7/8
<b>AABP-06-17</b>	3/8	1 1/16
<b>AABP-08-07</b>	1/2	7/16
<b>AABP-08-08</b>	1/2	1/2
<b>AABP-08-09</b>	1/2	9/16
<b>AABP-08-12</b>	1/2	3/4
<b>AABP-08-14</b>	1/2	7/8
<b>AABP-08-17</b>	1/2	1 1/16
<b>AABP-10-12</b>	5/8	3/4
<b>AABP-10-14</b>	5/8	7/8
<b>AABP-10-17</b>	5/8	1 1/16
<b>AABP-12-12</b>	3/4	3/4
<b>AABP-12-14</b>	3/4	7/8
<b>AABP-12-17</b>	3/4	1 1/16
<b>AABP-12-19</b>	3/4	1 3/16
<b>AABP-12-21</b>	3/4	1 5/16
<b>AABP-16-12</b>	1	3/4
<b>AABP-16-17</b>	1	1 1/16
<b>AABP-16-19</b>	1	1 3/16
<b>AABP-16-21</b>	1	1 5/16
<b>AABP-16-26</b>	1	1 5/8
<b>AABP-20-26</b>	1 1/4	1 5/8
<b>AABP-20-30</b>	1 1/4	1 7/8
<b>AABP-24-30</b>	1 1/2	1 7/8



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### BSPP Swivel Female x JIC Swivel Female

Part Number	Thread 1	Thread 2
<b>AABJ-04-07</b>	1/4	7/16
<b>AABJ-04-08</b>	1/4	1/2
<b>AABJ-04-09</b>	1/4	9/16
<b>AABJ-06-07</b>	3/8	7/16
<b>AABJ-06-08</b>	3/8	1/2
<b>AABJ-06-09</b>	3/8	9/16
<b>AABJ-06-12</b>	3/8	3/4
<b>AABJ-06-14</b>	3/8	7/8
<b>AABJ-08-09</b>	1/2	9/16
<b>AABJ-08-12</b>	1/2	3/4
<b>AABJ-08-14</b>	1/2	7/8
<b>AABJ-08-17</b>	1/2	1 1/16
<b>AABJ-10-14</b>	5/8	7/8
<b>AABJ-12-12</b>	3/4	3/4
<b>AABJ-12-17</b>	3/4	1 1/16
<b>AABJ-12-19</b>	3/4	1 3/16
<b>AABJ-12-21</b>	3/4	1 5/16
<b>AABJ-16-17</b>	1	1 1/16
<b>AABJ-16-21</b>	1	1 5/16
<b>AABJ-20-26</b>	1 1/4	1 5/8



**BSPP Male x Metric Swivel Female**



1.  
3

Part Number	Thread 1	Thread 2
<b>AAMPM-04-12</b>	1/4	12
<b>AAMPM-04-14</b>	1/4	14
<b>AAMPM-04-16</b>	1/4	16
<b>AAMPM-04-18</b>	1/4	18
<b>AAMPM-06-12</b>	3/8	12
<b>AAMPM-06-16</b>	3/8	16
<b>AAMPM-06-18</b>	3/8	18
<b>AAMPM-06-20</b>	3/8	20
<b>AAMPM-06-22</b>	3/8	22
<b>AAMPM-08-14</b>	1/2	14
<b>AAMPM-08-16</b>	1/2	16
<b>AAMPM-08-18</b>	1/2	18
<b>AAMPM-08-20</b>	1/2	20
<b>AAMPM-08-22</b>	1/2	22
<b>AAMPM-10-22</b>	5/8	22
<b>AAMPM-12-22</b>	3/4	22

**BSPP Male x Metric Male 1.0 Pitch**



Part Number	Thread 1	Thread 2
<b>NNMPL-02-10</b>	1/8	10
<b>NNMPL-04-10</b>	1/4	10
<b>NNMPL-04-12</b>	1/4	12

**BSPP Adj. Male x JIC Male 90°**



Part Number	Thread 1	Thread 2
<b>CFA-02-07</b>	1/8	7/16
<b>CFA-04-07</b>	1/4	7/16
<b>CFA-04-08</b>	1/4	1/2
<b>CFA-04-09</b>	1/4	9/16
<b>CFA-04-12</b>	1/4	3/4
<b>CFA-06-09</b>	3/8	9/16
<b>CFA-06-12</b>	3/8	3/4
<b>CFA-06-14</b>	3/8	7/8
<b>CFA-08-09</b>	1/2	9/16
<b>CFA-08-12</b>	1/2	3/4
<b>CFA-08-14</b>	1/2	7/8
<b>CFA-08-17</b>	1/2	1 1/16
<b>CFA-12-12</b>	3/4	3/4
<b>CFA-12-14</b>	3/4	7/8
<b>CFA-12-17</b>	3/4	1 1/16
<b>CFA-12-21</b>	3/4	1 5/16
<b>CFA-16-17</b>	1	1 1/16
<b>CFA-16-21</b>	1	1 5/16
<b>CFA-16-26</b>	1	1 5/8
<b>CFA-16-30</b>	1	1 7/8
<b>CFA-20-21</b>	1 1/4	1 5/16
<b>CFA-20-26</b>	1 1/4	1 5/8
<b>CFA-20-30</b>	1 1/4	1 7/8
<b>CFA-24-30</b>	1 1/2	1 7/8

### BSP Male x BSP Swivel Female 45°



Part Number	Thread 1	Thread 2
<b>CJDP-04-04</b>	1/4	1/4
<b>CJDP-06-06</b>	3/8	3/8
<b>CJDP-08-08</b>	1/2	1/2
<b>CJDP-10-10</b>	5/8	5/8
<b>CJDP-12-12</b>	3/4	3/4
<b>CJDP-16-16</b>	1	1
<b>CJDP-20-20</b>	1 1/4	1 1/4

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### BSP Male x BSP Male 90°



Part Number	Thread 1	Thread 2
<b>CVJPP-02-02</b>	1/8	1/8
<b>CVJPP-04-02</b>	1/4	1/8
<b>CVJPP-04-04</b>	1/4	1/4
<b>CVJPP-06-06</b>	3/8	3/8
<b>CVJPP-06-08</b>	3/8	1/2
<b>CVJPP-08-08</b>	1/2	1/2
<b>CVJPP-10-10</b>	5/8	5/8
<b>CVJPP-10-12</b>	5/8	3/4
<b>CVJPP-12-12</b>	3/4	3/4
<b>CVJPP-16-12</b>	1	3/4
<b>CVJPP-16-16</b>	1	1
<b>CVJPP-20-20</b>	1 1/4	1 1/4
<b>CVJPP-24-24</b>	1 1/2	1 1/2
<b>CVJPP-32-32</b>	2	2

### BSP Adj. Male x BSP Male 90°



Part Number	Thread 1	Thread 2
<b>CFJP-02-02</b>	1/8	1/8
<b>CFJP-04-02</b>	1/4	1/8
<b>CFJP-04-04</b>	1/4	1/4
<b>CFJP-04-06</b>	1/4	3/8
<b>CFJP-06-04</b>	3/8	1/4
<b>CFJP-06-06</b>	3/8	3/8
<b>CFJP-06-08</b>	3/8	1/2
<b>CFJP-08-06</b>	1/2	3/8
<b>CFJP-08-08</b>	1/2	1/2
<b>CFJP-08-10</b>	1/2	5/8
<b>CFJP-08-12</b>	1/2	3/4
<b>CFJP-10-10</b>	5/8	5/8
<b>CFJP-12-08</b>	3/4	1/2
<b>CFJP-12-12</b>	3/4	3/4
<b>CFJP-12-16</b>	3/4	1
<b>CFJP-16-12</b>	1	3/4
<b>CFJP-16-16</b>	1	1
<b>CFJP-20-16</b>	1 1/4	1
<b>CFJP-20-20</b>	1 1/4	1 1/4
<b>CFJP-24-24</b>	1 1/2	1 1/2

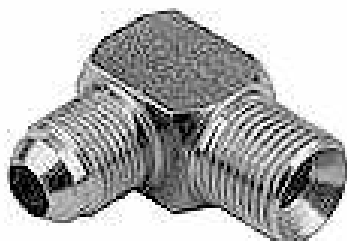
**BSPP Male x BSPT Male 90°**



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Part Number	Thread 1	Thread 2
<b>CVJP-02-02</b>	1/8	1/8
<b>CVJP-04-04</b>	1/4	1/4
<b>CVJP-06-06</b>	3/8	3/8
<b>CVJP-08-06</b>	1/2	3/8
<b>CVJP-08-08</b>	1/2	1/2
<b>CVJP-12-12</b>	3/4	3/4
<b>CVJP-16-16</b>	1	1

**BSPP Male x JIC Male 90°**



Part Number	Thread 1	Thread 2
<b>CVAP-04-07</b>	1/4	7/16
<b>CVAP-04-08</b>	1/4	1/2
<b>CVAP-04-09</b>	1/4	9/16
<b>CVAP-06-09</b>	3/8	9/16
<b>CVAP-06-12</b>	3/8	3/4
<b>CVAP-08-12</b>	1/2	3/4
<b>CVAP-08-14</b>	1/2	7/8
<b>CVAP-12-14</b>	3/4	7/8
<b>CVAP-12-17</b>	3/4	1 1/16
<b>CVAP-16-17</b>	1	1 1/16
<b>CVAP-16-21</b>	1	1 5/16
<b>CVAP-20-26</b>	1 1/4	1 5/8
<b>CVAP-24-30</b>	1 1/2	1 7/8

**BSPP Male x JIC Swivel Female 90°**



Part Number	Thread 1	Thread 2
<b>CVDB-04-07</b>	1/4	7/16
<b>CVDB-04-09</b>	1/4	9/16
<b>CVDB-06-09</b>	3/8	9/16
<b>CVDB-06-12</b>	3/8	3/4
<b>CVDB-08-09</b>	1/2	9/16
<b>CVDB-08-12</b>	1/2	3/4
<b>CVDB-08-14</b>	1/2	7/8
<b>CVDB-10-14</b>	5/8	7/8
<b>CVDB-12-17</b>	3/4	1 1/16

### BSPP Male x BSPP Female 90°

Part Number	Thread 1	Thread 2
<b>CVDP-02-02</b>	1/8	1/8
<b>CVDP-04-02</b>	1/4	1/8
<b>CVDP-04-04</b>	1/4	1/4
<b>CVDP-04-06</b>	1/4	3/8
<b>CVDP-06-06</b>	3/8	3/8
<b>CVDP-06-08</b>	3/8	1/2
<b>CVDP-08-08</b>	1/2	1/2
<b>CVDP-08-12</b>	1/2	3/4
<b>CVDP-10-10</b>	5/8	5/8
<b>CVDP-12-12</b>	3/4	3/4
<b>CVDP-12-16</b>	3/4	1
<b>CVDP-16-12</b>	1	3/4
<b>CVDP-16-16</b>	1	1
<b>CVDP-20-20</b>	1 1/4	1 1/4
<b>CVDP-24-24</b>	1 1/2	1 1/2
<b>CVDP-32-32</b>	2	2



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### BSPP Male x BSPP Female 90° Swept

Part Number	Thread 1	Thread 2
<b>CVDSP-04-04</b>	1/4	1/4
<b>CVDSP-06-06</b>	3/8	3/8
<b>CVDSP-08-08</b>	1/2	1/2
<b>CVDSP-10-10</b>	5/8	5/8
<b>CVDSP-12-12</b>	3/4	3/4
<b>CVDSP-16-16</b>	1	1
<b>CVDSP-20-20</b>	1 1/4	1 1/4
<b>CVDSP-24-24</b>	1 1/2	1 1/2
<b>CVDSP-32-32</b>	2	2



### BSPP Female x BSPP Female 90° Swept

Part Number	Thread 1	Thread 2
<b>CLPPS-04-04</b>	1/4	1/4
<b>CLPPS-06-06</b>	3/8	3/8
<b>CLPPS-08-08</b>	1/2	1/2
<b>CLPPS-10-10</b>	5/8	5/8
<b>CLPPS-12-12</b>	3/4	3/4
<b>CLPPS-16-16</b>	1	1
<b>CLPPS-20-20</b>	1 1/4	1 1/4
<b>CLPPS-24-24</b>	1 1/2	1 1/2
<b>CLPPS-32-32</b>	2	2



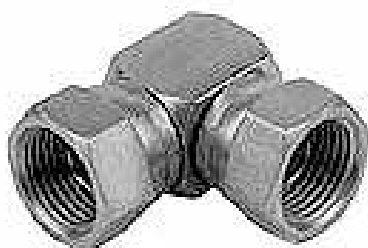
*BSPP Male x BSPP Swivel Female 45°*



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3

Part Number	Thread 1	Thread 2
<b>CJDPS-04-04</b>	1/4	1/4
<b>CJDPS-06-06</b>	3/8	3/8
<b>CJDPS-08-08</b>	1/2	1/2
<b>CJDPS-12-12</b>	3/4	3/4
<b>CJDPS-16-16</b>	1	1
<b>CJDPS-20-20</b>	1 1/4	1 1/4
<b>CJDPS-24-24</b>	1 1/2	1 1/2
<b>CJDPS-32-32</b>	2	2

*BSPP Swivel Female x BSPP Swivel Female 90°*



Part Number	Thread 1	Thread 2
<b>CLPP-02-02</b>	1/8	1/8
<b>CLPP-02-04</b>	1/8	1/4
<b>CLPP-04-04</b>	1/4	1/4
<b>CLPP-04-06</b>	1/4	3/8
<b>CLPP-04-08</b>	1/4	1/2
<b>CLPP-06-06</b>	3/8	3/8
<b>CLPP-06-08</b>	3/8	1/2
<b>CLPP-08-08</b>	1/2	1/2
<b>CLPP-10-10</b>	5/8	5/8
<b>CLPP-12-12</b>	3/4	3/4
<b>CLPP-12-16</b>	3/4	1
<b>CLPP-16-16</b>	1	1
<b>CLPP-20-20</b>	1 1/4	1 1/4
<b>CLPP-24-24</b>	1 1/2	1 1/2
<b>CLPP-32-32</b>	2	2

*BSPP Fixed Female x BSPP Fixed Female 90°*



Part Number	Thread 1	Thread 2
<b>CLPPF-04-04</b>	1/4	1/4
<b>CLPPF-06-06</b>	3/8	3/8
<b>CLPPF-08-08</b>	1/2	1/2
<b>CLPPF-12-12</b>	3/4	3/4
<b>CLPPF-16-16</b>	1	1

### BSPB Swivel Female Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>EPFP-02-02-02</b>	1/8	1/8	1/8
<b>EPFP-04-04-04</b>	1/4	1/4	1/4
<b>EPFP-06-06-06</b>	3/8	3/8	3/8
<b>EPFP-06-06-04</b>	3/8	3/8	1/4
<b>EPFP-08-08-08</b>	1/2	1/2	1/2
<b>EPFP-08-08-04</b>	1/2	1/2	1/4
<b>EPFP-10-10-10</b>	5/8	5/8	5/8
<b>EPFP-12-12-12</b>	3/4	3/4	3/4
<b>EPFP-12-12-08</b>	3/4	3/4	1/2
<b>EPFP-16-16-16</b>	1	1	1
<b>EPFP-16-16-08</b>	1	1	1/2
<b>EPFP-16-16-12</b>	1	1	3/4
<b>EPFP-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPFP-20-20-16</b>	1 1/4	1 1/4	1
<b>EPFP-24-24-24</b>	1 1/2	1 1/2	1 1/2
<b>EPFP-32-32-32</b>	2	2	2



1.  
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### BSPB Fixed Female Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>EPF-02-02-02</b>	1/8	1/8	1/8
<b>EPF-04-04-04</b>	1/4	1/4	1/4
<b>EPF-06-06-06</b>	3/8	3/8	3/8
<b>EPF-08-08-08</b>	1/2	1/2	1/2
<b>EPF-10-10-10</b>	5/8	5/8	5/8
<b>EPF-12-12-12</b>	3/4	3/4	3/4
<b>EPF-16-16-16</b>	1	1	1
<b>EPF-20-20-20</b>	1 1/4	1 1/4	1 1/4



### BSPB Tee Male x Male x Female

Part Number	Thread 1	Thread 2	Thread 3
<b>EPMP-02-02-02</b>	1/8	1/8	1/8
<b>EPMP-04-04-04</b>	1/4	1/4	1/4
<b>EPMP-04-04-06</b>	1/4	1/4	3/8
<b>EPMP-04-08-08</b>	1/4	1/2	1/2
<b>EPMP-06-06-06</b>	3/8	3/8	3/8
<b>EPMP-06-06-04</b>	3/8	3/8	1/4
<b>EPMP-06-06-08</b>	3/8	3/8	1/2
<b>EPMP-08-08-08</b>	1/2	1/2	1/2
<b>EPMP-08-08-06</b>	1/2	1/2	3/8
<b>EPMP-08-12-16</b>	1/2	3/4	1
<b>EPMP-10-10-10</b>	5/8	5/8	5/8
<b>EPMP-12-12-12</b>	3/4	3/4	3/4
<b>EPMP-16-16-16</b>	1	1	1
<b>EPMP-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPMP-24-24-24</b>	1 1/2	1 1/2	1 1/2



**BSPP Tee Male x Swivel Female x Male**



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3

Part Number	Thread 1	Thread 2	Thread 3
<b>EPDP-02-02-02</b>	1/8	1/8	1/8
<b>EPDP-04-04-04</b>	1/4	1/4	1/4
<b>EPDP-06-06-04</b>	3/8	3/8	1/4
<b>EPDP-06-06-06</b>	3/8	3/8	3/8
<b>EPDP-06-08-08</b>	3/8	1/2	1/2
<b>EPDP-08-08-04</b>	1/2	1/2	1/4
<b>EPDP-08-08-06</b>	1/2	1/2	3/8
<b>EPDP-08-08-08</b>	1/2	1/2	1/2
<b>EPDP-10-10-10</b>	5/8	5/8	5/8
<b>EPDP-12-12-08</b>	3/4	3/4	1/2
<b>EPDP-12-12-12</b>	3/4	3/4	3/4
<b>EPDP-16-16-16</b>	1	1	1
<b>EPDP-20-20-20</b>	1 1/4	1 1/4	1 1/4

**BSPP Tee Male x Female x Female**



Part Number	Thread 1	Thread 2	Thread 3
<b>EPMF-02-02-02</b>	1/8	1/8	1/8
<b>EPMF-04-04-04</b>	1/4	1/4	1/4
<b>EPMF-06-06-06</b>	3/8	3/8	3/8
<b>EPMF-06-06-08</b>	3/8	3/8	1/2
<b>EPMF-08-08-08</b>	1/2	1/2	1/2
<b>EPMF-10-10-10</b>	5/8	5/8	5/8
<b>EPMF-12-12-12</b>	3/4	3/4	3/4
<b>EPMF-16-16-16</b>	1	1	1
<b>EPMF-20-20-20</b>	1 1/4	1 1/4	1 1/4

**BSPP Tee Swivel Female x Swivel Female x Male**



Part Number	Thread 1	Thread 2	Thread 3
<b>EPFFM-04-04-04</b>	1/4	1/4	1/4
<b>EPFFM-06-06-06</b>	3/8	3/8	3/8
<b>EPFFM-08-08-04</b>	1/2	1/2	1/4
<b>EPFFM-08-08-08</b>	1/2	1/2	1/2
<b>EPFFM-10-10-10</b>	5/8	5/8	5/8
<b>EPFFM-12-12-08</b>	3/4	3/4	1/2
<b>EPFFM-12-12-12</b>	3/4	3/4	3/4
<b>EPFFM-16-16-16</b>	1	1	1
<b>EPFFM-20-20-20</b>	1 1/4	1 1/4	1 1/4

### BSPB Tee Male x Male x Male

Part Number	Thread 1	Thread 2	Thread 3
<b>EPJP-02-02-02</b>	1/8	1/8	1/8
<b>EPJP-04-04-04</b>	1/4	1/4	1/4
<b>EPJP-04-04-06</b>	1/4	1/4	3/8
<b>EPJP-04-06-04</b>	1/4	3/8	1/4
<b>EPJP-06-06-06</b>	3/8	3/8	3/8
<b>EPJP-06-06-08</b>	3/8	3/8	1/2
<b>EPJP-08-08-08</b>	1/2	1/2	1/2
<b>EPJP-10-10-10</b>	5/8	5/8	5/8
<b>EPJP-12-12-12</b>	3/4	3/4	3/4
<b>EPJP-16-16-16</b>	1	1	1
<b>EPJP-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPJP-24-24-24</b>	1 1/2	1 1/2	1 1/2
<b>EPJP-32-32-32</b>	2	2	2



1.  
3

### BSPB Swivel Female Cross

Part Number	Thread 1	Thread 2	Thread 3	Thread 4
<b>CPF-02-02-02-02</b>	1/8	1/8	1/8	1/8
<b>CPF-04-04-04-04</b>	1/4	1/4	1/4	1/4
<b>CPF-06-06-06-06</b>	3/8	3/8	3/8	3/8
<b>CPF-08-08-08-08</b>	1/2	1/2	1/2	1/2
<b>CPF-10-10-10-10</b>	5/8	5/8	5/8	5/8
<b>CPF-12-12-12-12</b>	3/4	3/4	3/4	3/4
<b>CPF-16-16-16-16</b>	1	1	1	1
<b>CPF-20-20-20-20</b>	1 1/4	1 1/4	1 1/4	1 1/4



### BSPB Male Cross

Part Number	Thread 1	Thread 2	Thread 3	Thread 4
<b>CPM-02-02-02-02</b>	1/8	1/8	1/8	1/8
<b>CPM-04-04-04-04</b>	1/4	1/4	1/4	1/4
<b>CPM-06-06-06-06</b>	3/8	3/8	3/8	3/8
<b>CPM-08-08-08-08</b>	1/2	1/2	1/2	1/2
<b>CPM-10-10-10-10</b>	5/8	5/8	5/8	5/8
<b>CPM-12-12-12-12</b>	3/4	3/4	3/4	3/4
<b>CPM-16-16-16-16</b>	1	1	1	1
<b>CPM-24-24-24-24</b>	1 1/2	1 1/2	1 1/2	1 1/2



**BSPP Male x BSPP Fixed Female Gauge**



Part Number	Thread 1	Thread 2
<b>GCP-04-04</b>	1/4	1/4
<b>GCP-04-06</b>	1/4	3/8
<b>GCP-04-08</b>	1/4	1/2
<b>GCP-06-04</b>	3/8	1/4
<b>GCP-06-06</b>	3/8	3/8
<b>GCP-06-08</b>	3/8	1/2
<b>GCP-08-04</b>	1/2	1/4
<b>GCP-08-06</b>	1/2	3/8
<b>GCP-08-08</b>	1/2	1/2

1.  
3

**BSPT Male Plug**



Part Number	Thread 1
<b>AS-02</b>	1/8
<b>AS-04</b>	1/4
<b>AS-06</b>	3/8
<b>AS-08</b>	1/2
<b>AS-10</b>	5/8
<b>AS-12</b>	3/4
<b>AS-16</b>	1
<b>AS-20</b>	1 1/4
<b>AS-24</b>	1 1/2
<b>AS-32</b>	2

**BSPT Male x BSPT Male**



Part Number	Thread 1	Thread 2
<b>D-02-02</b>	1/8	1/8
<b>D-02-04</b>	1/8	1/4
<b>D-02-06</b>	1/8	3/8
<b>D-04-04</b>	1/4	1/4
<b>D-04-06</b>	1/4	3/8
<b>D-04-08</b>	1/4	1/2
<b>D-06-06</b>	3/8	3/8
<b>D-06-08</b>	3/8	1/2
<b>D-08-08</b>	1/2	1/2
<b>D-08-12</b>	1/2	3/4
<b>D-10-10</b>	5/8	5/8
<b>D-12-12</b>	3/4	3/4
<b>D-12-16</b>	3/4	1
<b>D-16-16</b>	1	1
<b>D-20-20</b>	1 1/4	1 1/4
<b>D-20-24</b>	1 1/4	1 1/2
<b>D-24-24</b>	1 1/2	1 1/2
<b>D-32-32</b>	2	2
<b>D-40-40</b>	2 1/2	2 1/2
<b>D-48-48</b>	3	3



1.  
3

Part Number	Thread 1	Thread 2
<b>DN-04-04</b>	1/4	1/4
<b>DN-04-06</b>	1/4	3/8
<b>DN-06-06</b>	3/8	3/8
<b>DN-06-04</b>	3/8	1/4
<b>DN-08-08</b>	1/2	1/2
<b>DN-12-12</b>	3/4	3/4
<b>DN-16-16</b>	1	1
<b>DN-20-20</b>	1 1/4	1 1/4
<b>DN-24-24</b>	1 1/2	1 1/2
<b>DN-32-32</b>	2	2

Part Number	Thread 1	Thread 2
<b>AQ-04-04</b>	1/4	1/4
<b>AQ-06-02</b>	3/8	1/8
<b>AQ-06-04</b>	3/8	1/4
<b>AQ-06-06</b>	3/8	3/8
<b>AQ-08-04</b>	1/2	1/4
<b>AQ-08-08</b>	1/2	1/2
<b>AQ-12-04</b>	3/4	1/4
<b>AQ-12-08</b>	3/4	1/2
<b>AQ-12-12</b>	3/4	3/4
<b>AQ-16-04</b>	1	1/4
<b>AQ-16-06</b>	1	3/8
<b>AQ-16-08</b>	1	1/2
<b>AQ-16-12</b>	1	3/4
<b>AQ-16-16</b>	1	1
<b>AQ-20-20</b>	1 1/4	1 1/4
<b>AQ-24-24</b>	1 1/2	1 1/2



BSPT Male x JIC Male

1.  
3



Part Number	Thread 1	Thread 2
<b>F-02-07</b>	1/8	7/16
<b>F-02-08</b>	1/8	1/2
<b>F-02-09</b>	1/8	9/16
<b>F-04-07</b>	1/4	7/16
<b>F-04-08</b>	1/4	1/2
<b>F-04-09</b>	1/4	9/16
<b>F-04-10</b>	1/4	5/8
<b>F-04-12</b>	1/4	3/4
<b>F-06-07</b>	3/8	7/16
<b>F-06-08</b>	3/8	1/2
<b>F-06-09</b>	3/8	9/16
<b>F-06-10</b>	3/8	5/8
<b>F-06-12</b>	3/8	3/4
<b>F-06-14</b>	3/8	7/8
<b>F-08-07</b>	1/2	7/16
<b>F-08-09</b>	1/2	9/16
<b>F-08-10</b>	1/2	5/8
<b>F-08-12</b>	1/2	3/4
<b>F-08-14</b>	1/2	7/8
<b>F-08-17</b>	1/2	1 1/16
<b>F-12-12</b>	3/4	3/4
<b>F-12-14</b>	3/4	7/8
<b>F-12-17</b>	3/4	1 1/16
<b>F-12-19</b>	3/4	1 3/16
<b>F-12-21</b>	3/4	1 5/16
<b>F-16-12</b>	1	3/4
<b>F-16-14</b>	1	7/8
<b>F-16-17</b>	1	1 1/16
<b>F-16-21</b>	1	1 5/16
<b>F-16-26</b>	1	1 5/8
<b>F-20-21</b>	1 1/4	1 5/16
<b>F-20-26</b>	1 1/4	1 5/8
<b>F-24-26</b>	1 1/2	1 5/8
<b>F-24-30</b>	1 1/2	1 7/8
<b>F-32-40</b>	2	2 1/2

### BSPT Male x BSPP Swivel Female

Part Number	Thread 1	Thread 2
<b>AAM-02-02</b>	1/8	1/8
<b>AAM-04-04</b>	1/4	1/4
<b>AAM-06-06</b>	3/8	3/8
<b>AAM-06-08</b>	3/8	1/2
<b>AAM-08-06</b>	1/2	3/8
<b>AAM-08-08</b>	1/2	1/2
<b>AAM-10-10</b>	5/8	5/8
<b>AAM-12-08</b>	3/4	1/2
<b>AAM-12-12</b>	3/4	3/4
<b>AAM-12-16</b>	3/4	1
<b>AAM-16-12</b>	1	3/4
<b>AAM-16-16</b>	1	1
<b>AAM-20-20</b>	1 1/4	1 1/4
<b>AAM-24-24</b>	1 1/2	1 1/2
<b>AAM-32-32</b>	2	2



1.  
3

### BSPT Female x JIC Male

Part Number	Thread 1	Thread 2
<b>AB-02-05</b>	1/8	5/16
<b>AB-02-06</b>	1/8	3/8
<b>AB-02-07</b>	1/8	7/16
<b>AB-04-07</b>	1/4	7/16
<b>AB-04-09</b>	1/4	9/16
<b>AB-06-07</b>	3/8	7/16
<b>AB-06-09</b>	3/8	9/16
<b>AB-06-12</b>	3/8	3/4
<b>AB-06-17</b>	3/8	1 1/16
<b>AB-08-07</b>	1/2	7/16
<b>AB-08-09</b>	1/2	9/16
<b>AB-08-12</b>	1/2	3/4
<b>AB-08-14</b>	1/2	7/8
<b>AB-08-17</b>	1/2	1 1/16
<b>AB-12-12</b>	3/4	3/4
<b>AB-12-17</b>	3/4	1 1/16
<b>AB-12-19</b>	3/4	1 3/16
<b>AB-12-21</b>	3/4	1 5/16
<b>AB-16-17</b>	1	1 1/16
<b>AB-16-21</b>	1	1 5/16
<b>AB-20-26</b>	1 1/4	1 5/8
<b>AB-24-30</b>	1 1/2	1 7/8



BSPT Male x JIC Male 45°



1.  
3

Part Number	Thread 1	Thread 2
<b>CJA-02-07</b>	1/8	7/16
<b>CJA-02-08</b>	1/8	1/2
<b>CJA-02-09</b>	1/8	9/16
<b>CJA-04-07</b>	1/4	7/16
<b>CJA-04-08</b>	1/4	1/2
<b>CJA-04-09</b>	1/4	9/16
<b>CJA-04-12</b>	1/4	3/4
<b>CJA-06-09</b>	3/8	9/16
<b>CJA-06-12</b>	3/8	3/4
<b>CJA-06-14</b>	3/8	7/8
<b>CJA-08-09</b>	1/2	9/16
<b>CJA-08-12</b>	1/2	3/4
<b>CJA-08-14</b>	1/2	7/8
<b>CJA-08-17</b>	1/2	1 1/16
<b>CJA-12-12</b>	3/4	3/4
<b>CJA-12-14</b>	3/4	7/8
<b>CJA-12-17</b>	3/4	1 1/16
<b>CJA-12-21</b>	3/4	1 5/16
<b>CJA-16-21</b>	1	1 1/16
<b>CJA-20-26</b>	1 1/4	1 5/8
<b>CJA-24-30</b>	1 1/2	1 7/8
<b>CJA-32-40</b>	2	2 1/2

BSPT Male x BSPP Swivel Female 90°



Part Number	Thread 1	Thread 2
<b>CVD-02-02</b>	1/8	1/8
<b>CVD-04-04</b>	1/4	1/4
<b>CVD-06-06</b>	3/8	3/8
<b>CVD-08-08</b>	1/2	1/2
<b>CVD-12-12</b>	3/4	3/4
<b>CVD-16-16</b>	1	1



1.  
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Part Number	Thread 1
<b>AW-07</b>	7/16
<b>AW-08</b>	1/2
<b>AW-09</b>	9/16
<b>AW-10</b>	5/8
<b>AW-12</b>	3/4
<b>AW-14</b>	7/8
<b>AW-17</b>	1 1/16
<b>AW-19</b>	1 3/16
<b>AW-21</b>	1 5/16
<b>AW-26</b>	1 5/8
<b>AW-30</b>	1 7/8
<b>AW-40</b>	2 1/2



Part Number	Thread 1
<b>AU-05</b>	5/16
<b>AU-07</b>	7/16
<b>AU-08</b>	1/2
<b>AU-09</b>	9/16
<b>AU-10</b>	5/8
<b>AU-12</b>	3/4
<b>AU-14</b>	7/8
<b>AU-17</b>	1 1/16
<b>AU-19</b>	1 3/16
<b>AU-21</b>	1 5/16
<b>AU-26</b>	1 5/8
<b>AU-30</b>	1 7/8
<b>AU-40</b>	2 1/2

JIC Male x JIC Male



1.  
3

Part Number	Thread 1	Thread 2
<b>P-05-05</b>	5/16	5/16
<b>P-05-07</b>	5/16	7/16
<b>P-07-07</b>	7/16	7/16
<b>P-07-09</b>	7/16	9/16
<b>P-07-14</b>	7/16	7/8
<b>P-08-07</b>	1/2	7/16
<b>P-08-08</b>	1/2	1/2
<b>P-08-09</b>	1/2	9/16
<b>P-08-12</b>	1/2	3/4
<b>P-08-14</b>	1/2	7/8
<b>P-08-17</b>	1/2	1 1/16
<b>P-09-09</b>	9/16	9/16
<b>P-09-14</b>	9/16	7/8
<b>P-09-17</b>	9/16	1 1/16
<b>P-09-19</b>	9/16	1 3/16
<b>P-10-10</b>	5/8	5/8
<b>P-12-07</b>	3/4	7/16
<b>P-12-09</b>	3/4	9/16
<b>P-12-12</b>	3/4	3/4
<b>P-12-17</b>	3/4	1 1/16
<b>P-12-21</b>	3/4	1 5/16
<b>P-12-26</b>	3/4	1 5/8
<b>P-14-12</b>	7/8	3/4
<b>P-14-14</b>	7/8	7/8
<b>P-14-19</b>	7/8	1 3/16
<b>P-14-21</b>	7/8	1 5/16
<b>P-17-14</b>	1 1/16	7/8
<b>P-17-17</b>	1 1/16	1 1/16
<b>P-17-19</b>	1 1/16	1 3/16
<b>P-19-19</b>	1 3/16	1 3/16
<b>P-19-21</b>	1 3/16	1 5/16
<b>P-21-17</b>	1 5/16	1 1/16
<b>P-21-21</b>	1 5/16	1 5/16
<b>P-26-17</b>	1 5/8	1 1/16
<b>P-26-21</b>	1 5/8	1 5/16
<b>P-26-26</b>	1 5/8	1 5/8
<b>P-26-30</b>	1 5/8	1 7/8
<b>P-30-30</b>	1 7/8	1 7/8
<b>P-40-40</b>	2 1/2	2 1/2

JIC Male x JIC Male Bulkhead



Part Number	Thread 1	Thread 2
<b>R-06-06</b>	3/8	3/8
<b>R-07-07</b>	7/16	7/16
<b>R-08-08</b>	1/2	1/2
<b>R-09-09</b>	9/16	9/16
<b>R-10-10</b>	5/8	5/8
<b>R-12-12</b>	3/4	3/4
<b>R-14-14</b>	7/8	7/8
<b>R-17-17</b>	1 1/16	1 1/16
<b>R-21-21</b>	1 5/16	1 5/16
<b>R-26-26</b>	1 5/8	1 5/8
<b>R-30-30</b>	1 7/8	1 7/8



1.  
3

Part Number	Thread 1
<b>LNJ-07</b>	7/16
<b>LNJ-08</b>	1/2
<b>LNJ-09</b>	9/16
<b>LNJ-10</b>	5/8
<b>LNJ-12</b>	5/8
<b>LNJ-14</b>	7/8
<b>LNJ-17</b>	1 1/16
<b>LNJ-19</b>	1 3/16
<b>LNJ-21</b>	1 5/16
<b>LNJ-26</b>	1 5/8
<b>LNJ-30</b>	1 7/8

## JIC Male x JIC Male Bulkhead 90°



Part Number	Thread 1	Thread 2
<b>CAH-05-05</b>	5/16	5/16
<b>CAH-06-06</b>	3/8	3/8
<b>CAH-07-07</b>	7/16	7/16
<b>CAH-08-08</b>	1/2	1/2
<b>CAH-09-09</b>	9/16	9/16
<b>CAH-12-12</b>	3/4	3/4
<b>CAH-14-14</b>	7/8	7/8
<b>CAH-17-17</b>	1 1/16	1 1/16
<b>CAH-19-19</b>	1 3/16	1 3/16
<b>CAH-21-21</b>	1 5/16	1 5/16
<b>CAH-26-26</b>	1 5/8	1 5/8
<b>CAH-30-30</b>	1 7/8	1 7/8
<b>CAH-40-40</b>	2 1/2	2 1/2

## JIC Bulkhead Branch Tee Male x Male x Male



Part Number	Thread 1	Thread 2	Thread 3
<b>CBH-05-05-05</b>	5/16	5/16	5/16
<b>CBH-06-06-06</b>	3/8	3/8	3/8
<b>CBH-07-07-07</b>	7/16	7/16	7/16
<b>CBH-08-08-08</b>	1/2	1/2	1/2
<b>CBH-09-09-09</b>	9/16	9/16	9/16
<b>CBH-12-12-12</b>	3/4	3/4	3/4
<b>CBH-14-14-14</b>	7/8	7/8	7/8
<b>CBH-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CBH-19-19-19</b>	1 3/16	1 3/16	1 3/16
<b>CBH-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CBH-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CBH-30-30-30</b>	1 7/8	1 7/8	1 7/8
<b>CBH-40-40-40</b>	2 1/2	2 1/2	2 1/2

JIC Male x JIC Male 45° Bulkhead

1.  
3



Part Number	Thread 1	Thread 2
<b>CGH-05-05</b>	5/16	5/16
<b>CGH-06-06</b>	3/8	3/8
<b>CGH-07-07</b>	7/16	7/16
<b>CGH-08-08</b>	1/2	1/2
<b>CGH-09-09</b>	9/16	9/16
<b>CGH-12-12</b>	3/4	3/4
<b>CGH-14-14</b>	7/8	7/8
<b>CGH-17-17</b>	1 1/16	1 1/16
<b>CGH-19-19</b>	1 3/16	1 3/16
<b>CGH-21-21</b>	1 5/16	1 5/16
<b>CGH-26-26</b>	1 5/8	1 5/8
<b>CGH-30-30</b>	1 7/8	1 7/8
<b>CGH-40-40</b>	2 1/2	2 1/2

JIC Male x JIC Swivel Female



Part Number	Thread 1	Thread 2
<b>AAPJ-07-07</b>	7/16	7/16
<b>AAPJ-07-09</b>	7/16	9/16
<b>AAPJ-07-12</b>	7/16	3/4
<b>AAPJ-08-08</b>	1/2	1/2
<b>AAPJ-08-09</b>	1/2	9/16
<b>AAPJ-09-07</b>	9/16	7/16
<b>AAPJ-09-08</b>	9/16	1/2
<b>AAPJ-09-09</b>	9/16	9/16
<b>AAPJ-09-12</b>	9/16	3/4
<b>AAPJ-09-14</b>	9/16	7/8
<b>AAPJ-12-09</b>	3/4	9/16
<b>AAPJ-12-12</b>	3/4	3/4
<b>AAPJ-12-14</b>	3/4	7/8
<b>AAPJ-12-17</b>	3/4	1 1/16
<b>AAPJ-14-12</b>	7/8	3/4
<b>AAPJ-14-14</b>	7/8	7/8
<b>AAPJ-14-17</b>	7/8	1 1/16
<b>AAPJ-17-12</b>	1 1/16	3/4
<b>AAPJ-17-14</b>	1 1/16	7/8
<b>AAPJ-17-17</b>	1 1/16	1 1/16
<b>AAPJ-17-21</b>	1 1/16	1 5/16
<b>AAPJ-19-19</b>	1 3/16	1 3/16
<b>AAPJ-21-17</b>	1 5/16	1 1/16
<b>AAPJ-21-21</b>	1 5/16	1 5/16
<b>AAPJ-21-26</b>	1 5/16	1 5/8
<b>AAPJ-26-26</b>	1 5/8	1 5/8
<b>AAPJ-26-30</b>	1 5/8	1 7/8
<b>AAPJ-30-30</b>	1 7/8	1 7/8

### JIC Swivel Female x JIC Swivel Female

Part Number	Thread 1	Thread 2
<b>AABS-07-07</b>	7/16	7/16
<b>AABS-07-09</b>	7/16	9/16
<b>AABS-07-12</b>	7/16	3/4
<b>AABS-08-08</b>	1/2	1/2
<b>AABS-08-09</b>	1/2	9/16
<b>AABS-09-09</b>	9/16	9/16
<b>AABS-09-12</b>	9/16	3/4
<b>AABS-12-12</b>	3/4	3/4
<b>AABS-14-09</b>	7/8	9/16
<b>AABS-14-12</b>	7/8	3/4
<b>AABS-14-14</b>	7/8	7/8
<b>AABS-14-17</b>	7/8	1 1/16
<b>AABS-17-17</b>	1 1/16	1 1/16
<b>AABS-17-21</b>	1 1/16	1 5/16
<b>AABS-19-19</b>	1 3/16	1 3/16
<b>AABS-21-21</b>	1 5/16	1 5/16
<b>AABS-26-26</b>	1 5/8	1 5/8
<b>AABS-30-30</b>	1 7/8	1 7/8



1.  
3

### JIC Male x JIC Male 90°

Part Number	Thread 1	Thread 2
<b>CAA-07-07</b>	7/16	7/16
<b>CAA-08-08</b>	1/2	1/2
<b>CAA-09-09</b>	9/16	9/16
<b>CAA-09-12</b>	9/16	3/4
<b>CAA-12-12</b>	3/4	3/4
<b>CAA-14-14</b>	7/8	7/8
<b>CAA-17-17</b>	1 1/16	1 1/16
<b>CAA-19-19</b>	1 3/16	1 3/16
<b>CAA-21-21</b>	1 5/16	1 5/16
<b>CAA-26-26</b>	1 5/8	1 5/8
<b>CAA-30-30</b>	1 7/8	1 7/8



JIC Male x JIC Female 90°



1.  
3

Part Number	Thread 1	Thread 2
<b>CAB-07-07</b>	7/16	7/16
<b>CAB-08-08</b>	1/2	1/2
<b>CAB-09-09</b>	9/16	9/16
<b>CAB-10-10</b>	5/8	5/8
<b>CAB-12-12</b>	3/4	3/4
<b>CAB-14-14</b>	7/8	7/8
<b>CAB-17-17</b>	1 1/16	1 1/16
<b>CAB-19-19</b>	1 3/16	1 3/16
<b>CAB-21-21</b>	1 5/16	1 5/16
<b>CAB-26-26</b>	1 5/8	1 5/8
<b>CAB-30-30</b>	1 7/8	1 7/8
<b>CAB-40-40</b>	2 1/2	2 1/2

JIC Male x BSPP Female



Part Number	Thread 1	Thread 2
<b>AAPB-07-02</b>	7/16	1/8
<b>AAPB-07-04</b>	7/16	1/4
<b>AAPB-07-06</b>	7/16	3/8
<b>AAPB-07-08</b>	7/16	1/2
<b>AAPB-08-04</b>	1/2	1/4
<b>AAPB-08-06</b>	1/2	3/8
<b>AAPB-08-08</b>	1/2	1/2
<b>AAPB-09-04</b>	9/16	1/4
<b>AAPB-09-06</b>	9/16	3/8
<b>AAPB-09-08</b>	9/16	1/2
<b>AAPB-12-06</b>	3/4	3/8
<b>AAPB-12-08</b>	3/4	1/2
<b>AAPB-12-10</b>	3/4	5/8
<b>AAPB-12-12</b>	3/4	3/4
<b>AAPB-14-06</b>	7/8	3/8
<b>AAPB-14-08</b>	7/8	1/2
<b>AAPB-14-10</b>	7/8	5/8
<b>AAPB-14-12</b>	7/8	3/4
<b>AAPB-17-08</b>	1 1/16	1/2
<b>AAPB-17-12</b>	1 1/16	3/4
<b>AAPB-17-16</b>	1 1/16	1
<b>AAPB-19-12</b>	1 3/16	3/4
<b>AAPB-21-12</b>	1 5/16	3/4
<b>AAPB-21-16</b>	1 5/16	1
<b>AAPB-26-20</b>	1 5/8	1 1/4

JIC Male x BSPT Male 90°

Part Number	Thread 1	Thread 2
<b>CVA-02-07</b>	1/8	7/16
<b>CVA-02-08</b>	1/8	1/2
<b>CVA-02-09</b>	1/8	9/16
<b>CVA-04-07</b>	1/4	7/16
<b>CVA-04-08</b>	1/4	1/2
<b>CVA-04-09</b>	1/4	9/16
<b>CVA-04-12</b>	1/4	3/4
<b>CVA-06-09</b>	3/8	9/16
<b>CVA-06-10</b>	3/8	5/8
<b>CVA-06-12</b>	3/8	3/4
<b>CVA-08-09</b>	1/2	9/16
<b>CVA-08-12</b>	1/2	3/4
<b>CVA-08-14</b>	1/2	7/8
<b>CVA-08-17</b>	1/2	1 1/16
<b>CVA-12-12</b>	3/4	3/4
<b>CVA-12-14</b>	3/4	7/8
<b>CVA-12-17</b>	3/4	1 1/16
<b>CVA-12-21</b>	3/4	1 5/16
<b>CVA-16-17</b>	1	1 1/16
<b>CVA-16-21</b>	1	1 5/16
<b>CVA-20-26</b>	1 1/4	1 5/8



1.  
3

JIC Male x BSPP Swivel Female 90°

Part Number	Thread 1	Thread 2
<b>CABP-09-06</b>	9/16	3/8
<b>CABP-12-08</b>	3/4	1/2
<b>CABP-17-12</b>	1 1/16	3/4



JIC Male x JIC Swivel Female 45°

Part Number	Thread 1	Thread 2
<b>CGB-07-07</b>	7/16	7/16
<b>CGB-08-08</b>	1/2	1/2
<b>CGB-09-09</b>	9/16	9/16
<b>CGB-12-12</b>	3/4	3/4
<b>CGB-14-14</b>	7/8	7/8
<b>CGB-17-17</b>	1 1/16	1 1/16
<b>CGB-21-21</b>	1 5/16	1 5/16
<b>CGB-26-26</b>	1 5/8	1 5/8
<b>CGB-30-30</b>	1 7/8	1 7/8



JIC Swivel Female x JIC Swivel Female 90°



1.  
3

Part Number	Thread 1	Thread 2
<b>CABF-07-07</b>	7/16	7/16
<b>CABF-08-08</b>	1/2	1/2
<b>CABF-09-09</b>	9/16	9/16
<b>CABF-12-12</b>	3/4	3/4
<b>CABF-14-14</b>	7/8	7/8
<b>CABF-17-17</b>	1 1/16	1 1/16
<b>CABF-19-19</b>	1 3/16	1 3/16
<b>CABF-21-21</b>	1 5/16	1 5/16

JIC Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CBA-07-07-07</b>	7/16	7/16	7/16
<b>CBA-08-08-08</b>	1/2	1/2	1/2
<b>CBA-09-09-09</b>	9/16	9/16	9/16
<b>CBA-12-12-12</b>	3/4	3/4	3/4
<b>CBA-14-14-14</b>	7/8	7/8	7/8
<b>CBA-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CBA-19-19-19</b>	1 3/16	1 3/16	1 3/16
<b>CBA-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CBA-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CBA-30-30-30</b>	1 7/8	1 7/8	1 7/8

JIC Male Cross



Part Number	Thread 1	Thread 2	Thread 3	Thread 4
<b>CPJM-07-07-07-07</b>	7/16	7/16	7/16	7/16
<b>CPJM-08-08-08-08</b>	1/2	1/2	1/2	1/2
<b>CPJM-09-09-09-09</b>	9/16	9/16	9/16	9/16
<b>CPJM-12-12-12-12</b>	3/4	3/4	3/4	3/4
<b>CPJM-14-14-14-14</b>	7/8	7/8	7/8	7/8
<b>CPJM-17-17-17-17</b>	1 1/16	1 1/16	1 1/16	1 1/16
<b>CPJM-21-21-21-21</b>	1 5/16	1 5/16	1 5/16	1 5/16



1.  
3

Part Number	Thread 1	Thread 2	Thread 3
<b>CFC-07-07-07</b>	7/16	7/16	7/16
<b>CFC-08-08-08</b>	1/2	1/2	1/2
<b>CFC-09-09-09</b>	9/16	9/16	9/16
<b>CFC-12-12-12</b>	3/4	3/4	3/4
<b>CFC-14-14-14</b>	7/8	7/8	7/8
<b>CFC-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CFC-19-19-19</b>	1 3/16	1 3/16	1 3/16
<b>CFC-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CFC-26-26-26</b>	1 5/8	1 5/8	1 5/8

### JIC Male x UNO Male x JIC Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CYA-07-07-07</b>	7/16	7/16	7/16
<b>CYA-08-08-08</b>	1/2	1/2	1/2
<b>CYA-09-09-09</b>	9/16	9/16	9/16
<b>CYA-12-12-12</b>	3/4	3/4	3/4
<b>CYA-14-14-14</b>	7/8	7/8	7/8
<b>CYA-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CYA-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CYA-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CYA-30-30-30</b>	1 7/8	1 7/8	1 7/8
<b>CYA-40-40-40</b>	2 1/2	2 1/2	2 1/2

### JIC Male x JIC Male X UNO Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CBM-07-07-07</b>	7/16	7/16	7/16
<b>CBM-08-08-08</b>	1/2	1/2	1/2
<b>CBM-09-09-09</b>	9/16	9/16	9/16
<b>CBM-12-12-12</b>	3/4	3/4	3/4
<b>CBM-14-14-14</b>	7/8	7/8	7/8
<b>CBM-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CBM-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CBM-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CBM-30-30-30</b>	1 7/8	1 7/8	1 7/8
<b>CBM-40-40-40</b>	2 1/2	2 1/2	2 1/2

JIC Male x JIC Male x NPTF Male Tee



1.  
3

Part Number	Thread 1	Thread 2	Thread 3
<b>CBJN-05-05-02</b>	5/16	5/16	1/8
<b>CBJN-06-06-02</b>	3/8	3/8	1/8
<b>CBJN-07-07-02</b>	7/16	7/16	1/8
<b>CBJN-08-08-02</b>	1/2	1/2	1/8
<b>CBJN-09-09-04</b>	9/16	9/16	1/4
<b>CBJN-12-12-06</b>	3/4	3/4	3/8
<b>CBJN-14-14-08</b>	7/8	7/8	1/2
<b>CBJN-17-17-12</b>	1 1/16	1 1/16	3/4
<b>CBJN-19-19-12</b>	1 3/16	1 3/16	3/4
<b>CBJN-21-21-16</b>	1 5/16	1 5/16	1
<b>CBJN-26-26-20</b>	1 5/8	1 5/8	1 1/4
<b>CBJN-30-30-24</b>	1 7/8	1 7/8	1 1/2
<b>CBJN-40-40-32</b>	2 1/2	2 1/2	2

JIC Male x BSPT Male x JIC Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CTA-07-02-07</b>	7/16	1/8	7/16
<b>CTA-07-04-07</b>	7/16	1/4	7/16
<b>CTA-09-04-09</b>	9/16	1/4	9/16
<b>CTA-09-06-09</b>	9/16	3/8	9/16
<b>CTA-12-06-12</b>	3/4	3/8	3/4
<b>CTA-12-08-12</b>	3/4	1/2	3/4
<b>CTA-14-08-14</b>	7/8	1/2	7/8
<b>CTA-17-12-17</b>	1 1/16	3/4	1 1/16
<b>CTA-19-12-19</b>	1 3/16	3/4	1 3/16
<b>CTA-21-16-21</b>	1 5/16	1	1 5/16
<b>CTA-26-20-26</b>	1 5/8	1 1/4	1 5/8
<b>CTA-30-24-30</b>	1 7/8	1 1/2	1 7/8
<b>CTA-40-32-40</b>	2 1/2	2	2 1/2

JIC Male x JIC Male x BSPT Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CBJ-07-07-02</b>	7/16	7/16	1/8
<b>CBJ-07-07-04</b>	7/16	7/16	1/4
<b>CBJ-09-09-04</b>	9/16	9/16	1/4
<b>CBJ-09-09-06</b>	9/16	9/16	3/8
<b>CBJ-12-12-06</b>	3/4	3/4	3/8
<b>CBJ-12-12-08</b>	3/4	3/4	1/2
<b>CBJ-14-14-08</b>	7/8	7/8	1/2
<b>CBJ-17-17-12</b>	1 1/16	1 1/16	3/4
<b>CBJ-21-21-16</b>	1 5/16	1 5/16	1
<b>CBJ-26-26-20</b>	1 5/8	1 5/8	1 1/4
<b>CBJ-30-30-24</b>	1 7/8	1 7/8	1 1/2
<b>CBJ-40-40-32</b>	2 1/2	2 1/2	2

### JIC Male x JIC Female x JIC Male Tee



1.  
3

Part Number	Thread 1	Thread 2	Thread 3
<b>CMA-07-07-07</b>	7/16	7/16	7/16
<b>CMA-08-08-08</b>	1/2	1/2	1/2
<b>CMA-09-09-09</b>	9/16	9/16	9/16
<b>CMA-12-12-12</b>	3/4	3/4	3/4
<b>CMA-14-14-14</b>	7/8	7/8	7/8
<b>CMA-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CMA-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CMA-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CMA-30-30-30</b>	1 7/8	1 7/8	1 7/8

### JIC Male x JIC Male x JIC Female Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CBB-07-07-07</b>	7/16	7/16	7/16
<b>CBB-08-08-08</b>	1/2	1/2	1/2
<b>CBB-09-09-09</b>	9/16	9/16	9/16
<b>CBB-12-12-12</b>	3/4	3/4	3/4
<b>CBB-14-14-14</b>	7/8	7/8	7/8
<b>CBB-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CBB-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CBB-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CBB-30-30-30</b>	1 7/8	1 7/8	1 7/8

### JIC Swivel Female x JIC Swivel Female x JIC Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>CFFM-07-07-07</b>	7/16	7/16	7/16
<b>CFFM-08-08-08</b>	1/2	1/2	1/2
<b>CFFM-09-09-09</b>	9/16	9/16	9/16
<b>CFFM-12-12-12</b>	3/4	3/4	3/4
<b>CFFM-14-14-14</b>	7/8	7/8	7/8
<b>CFFM-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CFFM-21-21-21</b>	1 5/16	1 5/16	1 5/16

JIC Male x JIC Female x JIC Female Tee

1.  
3



Part Number	Thread 1	Thread 2	Thread 3
<b>CMFF-07-07-07</b>	7/16	7/16	7/16
<b>CMFF-08-08-08</b>	1/2	1/2	1/2
<b>CMFF-09-09-09</b>	9/16	9/16	9/16
<b>CMFF-12-12-12</b>	3/4	3/4	3/4
<b>CMFF-14-14-14</b>	7/8	7/8	7/8
<b>CMFF-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CMFF-21-21-21</b>	1 5/16	1 5/16	1 5/16

JIC Male x Metric Swivel Female



Part Number	Thread 1	Thread 2
<b>AAPJM-07-12</b>	7/16	12
<b>AAPJM-09-14</b>	9/16	14
<b>AAPJM-09-16</b>	9/16	16
<b>AAPJM-09-18</b>	9/16	18
<b>AAPJM-09-20</b>	9/16	20
<b>AAPJM-09-22</b>	9/16	22
<b>AAPJM-12-16</b>	3/4	16
<b>AAPJM-12-18</b>	3/4	18
<b>AAPJM-12-20</b>	3/4	20
<b>AAPJM-12-22</b>	3/4	22
<b>AAPJM-14-16</b>	7/8	16
<b>AAPJM-14-18</b>	7/8	18
<b>AAPJM-14-20</b>	7/8	20
<b>AAPJM-14-22</b>	7/8	22

JIC Male x NPTF Fixed Female



Part Number	Thread 1	Thread 2
<b>ABNF-07-04</b>	7/16	1/4
<b>ABNF-09-04</b>	9/16	1/4
<b>ABNF-12-08</b>	3/4	1/2
<b>ABNF-14-08</b>	7/8	1/2
<b>ABNF-17-12</b>	1 1/16	3/4
<b>ABNF-21-16</b>	1 5/16	1

### JIC Male x NPTF Male x JIC Male Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>CTAN-05-02-05</b>	5/16	1/8	5/16
<b>CTAN-06-02-06</b>	3/8	1/8	3/8
<b>CTAN-07-02-07</b>	7/16	1/8	7/16
<b>CTAN-08-02-08</b>	1/2	1/8	1/2
<b>CTAN-09-04-09</b>	9/16	1/4	9/16
<b>CTAN-09-06-09</b>	9/16	3/8	9/16
<b>CTAN-12-06-12</b>	3/4	3/8	3/4
<b>CTAN-14-08-14</b>	7/8	1/2	7/8
<b>CTAN-17-12-17</b>	1 1/16	3/4	1 1/16
<b>CTAN-19-12-19</b>	1 3/16	3/4	1 3/16
<b>CTAN-21-16-21</b>	1 5/16	1	1 5/16
<b>CTAN-26-20-26</b>	1 5/8	1 1/4	1 5/8
<b>CTAN-30-24-30</b>	1 7/8	1 1/2	1 7/8
<b>CTAN-40-32-40</b>	2 1/2	2	2 1/2



1.  
3

### JIC Bulkhead Run Tee Male x Male x Male

Part Number	Thread 1	Thread 2	Thread 3
<b>CXA-05-05-05</b>	5/16	5/16	5/16
<b>CXA-06-06-06</b>	3/8	3/8	3/8
<b>CXA-07-07-07</b>	7/16	7/16	7/16
<b>CXA-08-08-08</b>	1/2	1/2	1/2
<b>CXA-09-09-09</b>	9/16	9/16	9/16
<b>CXA-12-12-12</b>	3/4	3/4	3/4
<b>CXA-14-14-14</b>	7/8	7/8	7/8
<b>CXA-17-17-17</b>	1 1/16	1 1/16	1 1/16
<b>CXA-19-19-19</b>	1 3/16	1 3/16	1 3/16
<b>CXA-21-21-21</b>	1 5/16	1 5/16	1 5/16
<b>CXA-26-26-26</b>	1 5/8	1 5/8	1 5/8
<b>CXA-30-30-30</b>	1 7/8	1 7/8	1 7/8
<b>CXA-40-40-40</b>	2 1/2	2 1/2	2 1/2



Metric Male x Metric Male 1.5 Pitch 60° cone



1.  
3

Part Number	Thread 1	Thread 2
<b>NNM-12-12</b>	12	12
<b>NNM-12-14</b>	12	14
<b>NNM-12-16</b>	12	16
<b>NNM-12-18</b>	12	18
<b>NNM-14-14</b>	14	14
<b>NNM-14-16</b>	14	16
<b>NNM-14-18</b>	14	18
<b>NNM-14-20</b>	14	20
<b>NNM-14-22</b>	14	22
<b>NNM-16-16</b>	16	16
<b>NNM-16-18</b>	16	18
<b>NNM-16-20</b>	16	20
<b>NNM-16-22</b>	16	22
<b>NNM-16-26</b>	16	26
<b>NNM-18-18</b>	18	18
<b>NNM-18-20</b>	18	20
<b>NNM-18-22</b>	18	22
<b>NNM-18-24</b>	18	24
<b>NNM-18-26</b>	18	26
<b>NNM-18-30</b>	18	30
<b>NNM-20-20</b>	20	20
<b>NNM-20-22</b>	20	22
<b>NNM-20-24</b>	20	24
<b>NNM-20-26</b>	20	26
<b>NNM-22-22</b>	22	22
<b>NNM-22-24</b>	22	24
<b>NNM-22-26</b>	22	26
<b>NNM-22-30</b>	22	30
<b>NNM-24-24</b>	24	24
<b>NNM-24-26</b>	24	26
<b>NNM-26-26</b>	26	26
<b>NNM-30-30</b>	30	30
<b>NNM-30-38</b>	30	38
<b>NNM-38-38</b>	38	38

Metric Male x JIC Male



Part Number	Thread 1	Thread 2
<b>L-12-07</b>	12	7/16
<b>L-12-09</b>	12	9/16
<b>L-12-12</b>	12	3/4
<b>L-14-07</b>	14	7/16
<b>L-14-09</b>	14	9/16
<b>L-14-12</b>	14	3/4
<b>L-16-09</b>	16	9/16
<b>L-16-12</b>	16	3/4
<b>L-16-14</b>	16	7/8
<b>L-18-09</b>	18	9/16
<b>L-18-12</b>	18	3/4
<b>L-18-14</b>	18	7/8
<b>L-20-09</b>	20	9/16
<b>L-20-12</b>	20	3/4
<b>L-20-14</b>	20	7/8
<b>L-22-09</b>	22	9/16
<b>L-22-12</b>	22	3/4
<b>L-22-14</b>	22	7/8

### Metric Male x BSPP Swivel Female

Part Number	Thread 1	Thread 2
<b>MMBF-12-04</b>	12	1/4
<b>MMBF-14-04</b>	14	1/4
<b>MMBF-14-06</b>	14	3/8
<b>MMBF-14-08</b>	14	1/2
<b>MMBF-16-04</b>	16	1/4
<b>MMBF-16-06</b>	16	3/8
<b>MMBF-16-08</b>	16	1/2
<b>MMBF-16-12</b>	16	3/4
<b>MMBF-18-06</b>	18	3/8
<b>MMBF-18-08</b>	18	1/2
<b>MMBF-20-06</b>	20	3/8
<b>MMBF-20-08</b>	20	1/2
<b>MMBF-20-12</b>	20	3/4
<b>MMBF-22-06</b>	22	3/8
<b>MMBF-22-08</b>	22	1/2
<b>MMBF-22-12</b>	22	3/4
<b>MMBF-26-06</b>	26	3/8
<b>MMBF-26-08</b>	26	1/2
<b>MMBF-26-12</b>	26	3/4
<b>MMBF-30-06</b>	30	3/8
<b>MMBF-30-08</b>	30	1/2



1.  
3

### Metric Swivel Female x Metric Swivel Female

Part Number	Thread 1	Thread 2
<b>AAMFS-12-12</b>	12	12
<b>AAMFS-12-14</b>	12	14
<b>AAMFS-14-14</b>	14	14
<b>AAMFS-16-16</b>	16	16
<b>AAMFS-16-18</b>	16	18
<b>AAMFS-18-18</b>	18	18
<b>AAMFS-18-20</b>	18	20
<b>AAMFS-18-22</b>	18	22
<b>AAMFS-20-20</b>	20	20
<b>AAMFS-20-22</b>	20	22
<b>AAMFS-22-22</b>	22	22



Metric Male x Metric Swivel Female



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Part Number	Thread 1	Thread 2
<b>AAMN-12-12</b>	12	12
<b>AAMN-12-14</b>	12	14
<b>AAMN-16-16</b>	16	16
<b>AAMN-16-18</b>	16	18
<b>AAMN-18-18</b>	18	18
<b>AAMN-18-16</b>	18	16
<b>AAMN-18-20</b>	18	20
<b>AAMN-18-22</b>	18	22
<b>AAMN-20-18</b>	20	18
<b>AAMN-20-20</b>	20	20
<b>AAMN-20-22</b>	20	22
<b>AAMN-22-22</b>	22	22
<b>AAMN-22-18</b>	22	18
<b>AAMN-22-20</b>	22	20

Metric Male x JIC Swivel Female



Part Number	Thread 1	Thread 2
<b>MMJF-12-08</b>	12	1/2
<b>MMJF-14-09</b>	14	9/16
<b>MMJF-16-09</b>	16	9/16
<b>MMJF-16-12</b>	16	3/4
<b>MMJF-16-14</b>	16	7/8
<b>MMJF-18-09</b>	18	9/16
<b>MMJF-18-12</b>	18	3/4
<b>MMJF-18-14</b>	18	7/8
<b>MMJF-20-09</b>	20	9/16
<b>MMJF-20-12</b>	20	3/4
<b>MMJF-20-14</b>	20	7/8
<b>MMJF-22-09</b>	22	9/16
<b>MMJF-22-12</b>	22	3/4
<b>MMJF-22-14</b>	22	7/8



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Part Number	Thread 1
<b>AT-02</b>	1/8
<b>AT-04</b>	1/4
<b>AT-06</b>	3/8
<b>AT-08</b>	1/2
<b>AT-12</b>	3/4
<b>AT-16</b>	1
<b>AT-20</b>	1 1/4
<b>AT-24</b>	1 1/2
<b>AT-32</b>	2
<b>AT-40</b>	2 1/2
<b>AT-48</b>	3

Part Number	Thread 1	Thread 2
<b>AN-02-02</b>	1/8	1/8
<b>AN-02-04</b>	1/8	1/4
<b>AN-02-06</b>	1/8	3/8
<b>AN-02-08</b>	1/8	1/2
<b>AN-04-04</b>	1/4	1/4
<b>AN-04-06</b>	1/4	3/8
<b>AN-04-08</b>	1/4	1/2
<b>AN-04-12</b>	1/4	3/4
<b>AN-04-16</b>	1/4	1
<b>AN-06-06</b>	3/8	3/8
<b>AN-06-08</b>	3/8	1/2
<b>AN-06-12</b>	3/8	3/4
<b>AN-08-08</b>	1/2	1/2
<b>AN-08-12</b>	1/2	3/4
<b>AN-08-16</b>	1/2	1
<b>AN-08-20</b>	1/2	1 1/4
<b>AN-08-24</b>	1/2	1 1/2
<b>AN-12-12</b>	3/4	3/4
<b>AN-12-16</b>	3/4	1
<b>AN-12-20</b>	3/4	1 1/4
<b>AN-12-24</b>	3/4	1 1/2
<b>AN-16-16</b>	1	1
<b>AN-16-20</b>	1	1 1/4
<b>AN-16-24</b>	1	1 1/2
<b>AN-20-20</b>	1 1/4	1 1/4
<b>AN-20-24</b>	1 1/4	1 1/2
<b>AN-20-32</b>	1 1/4	2
<b>AN-24-24</b>	1 1/2	1 1/2
<b>AN-24-32</b>	1 1/2	2
<b>AN-32-32</b>	2	2
<b>AN-40-40</b>	2 1/2	2 1/2



NPTF Male x NPTF Female Bush



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Part Number	Thread 1	Thread 2
<b>AR-02-02</b>	1/8	1/8
<b>AR-02-04</b>	1/8	1/4
<b>AR-04-02</b>	1/4	1/8
<b>AR-04-04</b>	1/4	1/4
<b>AR-04-06</b>	1/4	3/8
<b>AR-06-02</b>	3/8	1/8
<b>AR-06-04</b>	3/8	1/4
<b>AR-06-06</b>	3/8	3/8
<b>AR-06-08</b>	3/8	1/2
<b>AR-06-12</b>	3/8	3/4
<b>AR-08-02</b>	1/2	1/8
<b>AR-08-04</b>	1/2	1/4
<b>AR-08-06</b>	1/2	3/8
<b>AR-08-08</b>	1/2	1/2
<b>AR-08-12</b>	1/2	3/4
<b>AR-08-16</b>	1/2	1
<b>AR-12-02</b>	3/4	1/8
<b>AR-12-04</b>	3/4	1/4
<b>AR-12-06</b>	3/4	3/8
<b>AR-12-08</b>	3/4	1/2
<b>AR-12-12</b>	3/4	3/4
<b>AR-12-16</b>	3/4	1
<b>AR-12-20</b>	3/4	1 1/4
<b>AR-16-04</b>	1	1/4
<b>AR-16-06</b>	1	3/8
<b>AR-16-08</b>	1	1/2

Part Number	Thread 1	Thread 2
<b>AR-16-12</b>	1	3/4
<b>AR-16-16</b>	1	1
<b>AR-16-24</b>	1	1 1/2
<b>AR-20-04</b>	1 1/4	1/4
<b>AR-20-06</b>	1 1/4	3/8
<b>AR-20-08</b>	1 1/4	1/2
<b>AR-20-12</b>	1 1/4	3/4
<b>AR-20-16</b>	1 1/4	1
<b>AR-20-20</b>	1 1/4	1 1/4
<b>AR-20-24</b>	1 1/4	1 1/2
<b>AR-24-04</b>	1 1/2	1/4
<b>AR-24-06</b>	1 1/2	3/8
<b>AR-24-08</b>	1 1/2	1/2
<b>AR-24-12</b>	1 1/2	3/4
<b>AR-24-16</b>	1 1/2	1
<b>AR-24-20</b>	1 1/2	1 1/4
<b>AR-24-24</b>	1 1/2	1 1/2
<b>AR-24-32</b>	1 1/2	2
<b>AR-32-04</b>	2	1/4
<b>AR-32-08</b>	2	1/2
<b>AR-32-12</b>	2	3/4
<b>AR-32-16</b>	2	1
<b>AR-32-20</b>	2	1 1/4
<b>AR-32-24</b>	2	1 1/2
<b>AR-32-32</b>	2	2
<b>AR-40-32</b>	2 1/2	2



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Part Number	Thread 1	Thread 2
<b>ANP-02-02</b>	1/8	1/8
<b>ANP-02-04</b>	1/8	1/4
<b>ANP-02-06</b>	1/8	3/8
<b>ANP-02-08</b>	1/8	1/2
<b>ANP-04-02</b>	1/4	1/8
<b>ANP-04-04</b>	1/4	1/4
<b>ANP-04-06</b>	1/4	3/8
<b>ANP-04-08</b>	1/4	1/2
<b>ANP-04-12</b>	1/4	3/4
<b>ANP-04-16</b>	1/4	1
<b>ANP-06-02</b>	3/8	1/8
<b>ANP-06-04</b>	3/8	1/4
<b>ANP-06-06</b>	3/8	3/8
<b>ANP-06-08</b>	3/8	1/2
<b>ANP-06-10</b>	3/8	5/8
<b>ANP-06-12</b>	3/8	3/4
<b>ANP-08-02</b>	1/2	1/8
<b>ANP-08-04</b>	1/2	1/4
<b>ANP-08-06</b>	1/2	3/8
<b>ANP-08-08</b>	1/2	1/2
<b>ANP-08-10</b>	1/2	5/8
<b>ANP-08-12</b>	1/2	3/4
<b>ANP-08-16</b>	1/2	1
<b>ANP-12-04</b>	3/4	1/4
<b>ANP-12-06</b>	3/4	3/8
<b>ANP-12-08</b>	3/4	1/2
<b>ANP-12-10</b>	3/4	5/8
<b>ANP-12-12</b>	3/4	3/4

Part Number	Thread 1	Thread 2
<b>ANP-12-16</b>	3/4	1
<b>ANP-12-20</b>	3/4	1 1/4
<b>ANP-12-24</b>	3/4	1 1/2
<b>ANP-16-04</b>	1	1/4
<b>ANP-16-06</b>	1	3/8
<b>ANP-16-08</b>	1	1/2
<b>ANP-16-12</b>	1	3/4
<b>ANP-16-16</b>	1	1
<b>ANP-16-20</b>	1	1 1/4
<b>ANP-16-24</b>	1	1 1/2
<b>ANP-16-32</b>	1	2
<b>ANP-20-12</b>	1 1/4	3/4
<b>ANP-20-16</b>	1 1/4	1
<b>ANP-20-20</b>	1 1/4	1 1/4
<b>ANP-20-24</b>	1 1/4	1 1/2
<b>ANP-20-32</b>	1 1/4	2
<b>ANP-24-16</b>	1 1/2	1
<b>ANP-24-20</b>	1 1/2	1 1/4
<b>ANP-24-24</b>	1 1/2	1 1/2
<b>ANP-24-32</b>	1 1/2	2
<b>ANP-32-16</b>	2	1
<b>ANP-32-20</b>	2	1 1/4
<b>ANP-32-24</b>	2	1 1/2
<b>ANP-32-32</b>	2	2
<b>ANP-32-40</b>	2	2 1/2
<b>ANP-40-40</b>	2 1/2	2 1/2
<b>ANP-48-48</b>	3	3

NPTF Male x JIC Male



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Part Number	Thread 1	Thread 2
<b>M-02-07</b>	1/8	7/16
<b>M-02-08</b>	1/8	1/2
<b>M-02-09</b>	1/8	9/16
<b>M-02-12</b>	1/8	3/4
<b>M-04-07</b>	1/4	7/16
<b>M-04-08</b>	1/4	1/2
<b>M-04-09</b>	1/4	9/16
<b>M-04-10</b>	1/4	5/8
<b>M-04-12</b>	1/4	3/4
<b>M-04-14</b>	1/4	7/8
<b>M-06-07</b>	3/8	7/16
<b>M-06-08</b>	3/8	1/2
<b>M-06-09</b>	3/8	9/16
<b>M-06-10</b>	3/8	5/8
<b>M-06-12</b>	3/8	3/4
<b>M-06-14</b>	3/8	7/8
<b>M-06-17</b>	3/8	1 1/16
<b>M-08-07</b>	1/2	7/16
<b>M-08-08</b>	1/2	1/2
<b>M-08-09</b>	1/2	9/16
<b>M-08-10</b>	1/2	5/8
<b>M-08-12</b>	1/2	3/4
<b>M-08-14</b>	1/2	7/8
<b>M-08-17</b>	1/2	1 1/16
<b>M-08-21</b>	1/2	1 5/16

Part Number	Thread 1	Thread 2
<b>M-12-07</b>	3/4	7/16
<b>M-12-09</b>	3/4	9/16
<b>M-12-12</b>	3/4	3/4
<b>M-12-14</b>	3/4	7/8
<b>M-12-17</b>	3/4	1 1/16
<b>M-12-21</b>	3/4	1 5/16
<b>M-16-12</b>	1	3/4
<b>M-16-17</b>	1	1 1/16
<b>M-16-21</b>	1	1 5/16
<b>M-16-26</b>	1	1 5/8
<b>M-16-30</b>	1	1 7/8
<b>M-20-17</b>	1 1/4	1 1/16
<b>M-20-21</b>	1 1/4	1 5/16
<b>M-20-26</b>	1 1/4	1 5/8
<b>M-20-30</b>	1 1/4	1 7/8
<b>M-20-40</b>	1 1/4	2 1/2
<b>M-24-17</b>	1 1/2	1 1/16
<b>M-24-21</b>	1 1/2	1 5/16
<b>M-24-26</b>	1 1/2	1 5/8
<b>M-24-30</b>	1 1/2	1 7/8
<b>M-24-40</b>	1 1/2	2 1/2
<b>M-32-26</b>	2	1 5/8
<b>M-32-30</b>	2	1 7/8
<b>M-32-40</b>	2	2 1/2

### NPTF Male x JIC Male Extended

Part Number	Thread 1	Thread 2
<b>M-02-07 EXT</b>	1/8	7/16
<b>M-04-09 EXT</b>	1/4	9/16
<b>M-06-09 EXT</b>	3/8	9/16
<b>M-06-12 EXT</b>	3/8	3/4
<b>M-08-14 EXT</b>	1/2	7/8
<b>M-08-17 EXT</b>	1/2	1 1/16
<b>M-12-17 EXT</b>	3/4	1 1/16
<b>M-16-21 EXT</b>	1	1 5/16



1.  
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### NPTF Male x JIC Male Extended Length

Part Number	Thread 1	Thread 2
<b>M-02-07 EXT L</b>	1/8	7/16
<b>M-04-07 EXT L</b>	1/4	7/16
<b>M-06-09 EXT L</b>	3/8	9/16
<b>M-06-12 EXT L</b>	3/8	3/4
<b>M-12-12 EXT L</b>	3/4	3/4
<b>M-12-17 EXT L</b>	3/4	1 1/16



### NPTF Male x JIC Swivel Female

Part Number	Thread 1	Thread 2
<b>AABN-02-05</b>	1/8	5/16
<b>AABN-02-06</b>	1/8	3/8
<b>AABN-02-07</b>	1/8	7/16
<b>AABN-02-08</b>	1/8	1/2
<b>AABN-02-09</b>	1/8	9/16
<b>AABN-04-07</b>	1/4	7/16
<b>AABN-04-08</b>	1/4	1/2
<b>AABN-04-09</b>	1/4	9/16
<b>AABN-04-12</b>	1/4	3/4
<b>AABN-06-09</b>	3/8	9/16
<b>AABN-06-12</b>	3/8	3/4
<b>AABN-06-14</b>	3/8	7/8
<b>AABN-08-09</b>	1/2	9/16
<b>AABN-08-12</b>	1/2	3/4
<b>AABN-08-14</b>	1/2	7/8
<b>AABN-08-17</b>	1/2	1 1/16
<b>AABN-12-12</b>	3/4	3/4
<b>AABN-12-14</b>	3/4	7/8
<b>AABN-12-17</b>	3/4	1 1/16
<b>AABN-12-19</b>	3/4	1 3/16
<b>AABN-16-17</b>	1	1 1/16
<b>AABN-16-21</b>	1	1 5/16
<b>AABN-16-26</b>	1	1 5/8
<b>AABN-20-26</b>	1 1/4	1 5/8
<b>AABN-20-30</b>	1 1/4	1 7/8
<b>AABN-24-30</b>	1 1/2	1 7/8



**NPTF Male x BSPP Fixed Female**



1.  
3

Part Number	Thread 1	Thread 2
<b>ARP-02-02</b>	1/8	1/8
<b>ARP-02-04</b>	1/8	1/4
<b>ARP-04-02</b>	1/4	1/8
<b>ARP-04-04</b>	1/4	1/4
<b>ARP-04-06</b>	1/4	3/8
<b>ARP-06-04</b>	3/8	1/4
<b>ARP-06-06</b>	3/8	3/8
<b>ARP-08-04</b>	1/2	1/4
<b>ARP-08-06</b>	1/2	3/8
<b>ARP-08-08</b>	1/2	1/2
<b>ARP-12-04</b>	3/4	1/4
<b>ARP-12-06</b>	3/4	3/8
<b>ARP-12-08</b>	3/4	1/2
<b>ARP-12-12</b>	3/4	3/4
<b>ARP-16-04</b>	1	1/4
<b>ARP-16-06</b>	1	3/8
<b>ARP-16-08</b>	1	1/2
<b>ARP-16-12</b>	1	3/4
<b>ARP-16-16</b>	1	1
<b>ARP-20-20</b>	1 1/4	1 1/4

**NPTF Male x NPSM Swivel Female**



Part Number	Thread 1	Thread 2
<b>AAMN-04-04</b>	1/4	1/4
<b>AAMN-06-06</b>	3/8	3/8
<b>AAMN-08-08</b>	1/2	1/2
<b>AAMN-12-12</b>	3/4	3/4

**NPTF Male x BSPP Female**



Part Number	Thread 1	Thread 2
<b>AAMNP-02-02</b>	1/8	1/8
<b>AAMNP-04-04</b>	1/4	1/4
<b>AAMNP-06-04</b>	3/8	1/4
<b>AAMNP-06-06</b>	3/8	3/8
<b>AAMNP-06-08</b>	3/8	1/2
<b>AAMNP-08-06</b>	1/2	3/8
<b>AAMNP-08-08</b>	1/2	1/2
<b>AAMNP-12-08</b>	3/4	1/2
<b>AAMNP-12-12</b>	3/4	3/4
<b>AAMNP-16-12</b>	1	3/4
<b>AAMNP-16-16</b>	1	1

### NPTF Fixed Female x NPTF Fixed Female

Part Number	Thread 1	Thread 2
V-02-02	1/8	1/8
V-04-02	1/4	1/8
V-04-04	1/4	1/4
V-06-04	3/8	1/4
V-06-06	3/8	3/8
V-06-06-10K	3/8	3/8
V-08-04	1/2	1/4
V-08-06	1/2	3/8
V-08-08	1/2	1/2
V-12-12	3/4	3/4
V-12-16	3/4	1
V-16-16	1	1
V-16-32	1	2
V-20-20	1 1/4	1 1/4
V-24-24	1 1/2	1 1/2
V-32-32	2	2



1.  
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### NPTF Male x NPTF Male 90°

Part Number	Thread 1	Thread 2
CVJN-02-02	1/8	1/8
CVJN-04-04	1/4	1/4
CVJN-06-06	3/8	3/8
CVJN-08-08	1/2	1/2
CVJN-12-12	3/4	3/4
CVJN-16-16	1	1
CVJN-20-20	1 1/4	1 1/4
CVJN-24-24	1 1/2	1 1/2



### NPTF Male x SAE Male 45° Flare 90°

Part Number	Thread 1	Thread 2
CVNE-02-07	1/8	7/16
CVNE-02-08	1/8	1/2
CVNE-04-07	1/4	7/16
CVNE-04-08	1/4	1/2
CVNE-04-10	1/4	5/8
CVNE-04-12	1/4	3/4
CVNE-06-07	3/8	7/16
CVNE-06-08	3/8	1/2
CVNE-06-10	3/8	5/8
CVNE-06-12	3/8	3/4
CVNE-06-14	3/8	7/8
CVNE-08-10	1/2	5/8
CVNE-08-12	1/2	3/4
CVNE-08-14	1/2	7/8
CVNE-12-14	3/4	7/8
CVNE-12-17	3/4	1 1/16



**NPTF Male x JIC Male 90°**

1.  
3



Part Number	Thread 1	Thread 2
<b>CVAN-02-07</b>	1/8	7/16
<b>CVAN-02-08</b>	1/8	1/2
<b>CVAN-02-09</b>	1/8	9/16
<b>CVAN-04-07</b>	1/4	7/16
<b>CVAN-04-08</b>	1/4	1/2
<b>CVAN-04-09</b>	1/4	9/16
<b>CVAN-04-10</b>	1/4	5/8
<b>CVAN-04-12</b>	1/4	3/4
<b>CVAN-06-07</b>	3/8	7/16
<b>CVAN-06-08</b>	3/8	1/2
<b>CVAN-06-09</b>	3/8	9/16
<b>CVAN-06-12</b>	3/8	3/4
<b>CVAN-06-14</b>	3/8	7/8
<b>CVAN-08-07</b>	1/2	7/16
<b>CVAN-08-08</b>	1/2	1/2
<b>CVAN-08-09</b>	1/2	9/16
<b>CVAN-08-12</b>	1/2	3/4
<b>CVAN-08-14</b>	1/2	7/8
<b>CVAN-08-17</b>	1/2	1 1/16
<b>CVAN-12-09</b>	3/4	9/16
<b>CVAN-12-12</b>	3/4	3/4
<b>CVAN-12-14</b>	3/4	7/8
<b>CVAN-12-17</b>	3/4	1 1/16
<b>CVAN-12-21</b>	3/4	1 5/16
<b>CVAN-16-17</b>	1	1 1/16
<b>CVAN-16-21</b>	1	1 5/16
<b>CVAN-16-26</b>	1	1 5/8
<b>CVAN-20-21</b>	1 1/4	1 5/16
<b>CVAN-20-26</b>	1 1/4	1 5/8
<b>CVAN-20-30</b>	1 1/4	1 7/8
<b>CVAN-24-26</b>	1 1/2	1 5/8
<b>CVAN-24-30</b>	1 1/2	1 7/8
<b>CVAN-24-40</b>	1 1/2	2 1/2
<b>CVAN-32-40</b>	2	2 1/2

**NPTF Male x JIC Male 90° Extended**



Part Number	Thread 1	Thread 2
<b>CVAN-04-07 EXT</b>	1/4	7/16
<b>CVAN-04-09 EXT</b>	1/4	9/16
<b>CVAN-06-09 EXT</b>	3/8	9/16
<b>CVAN-06-12 EXT</b>	3/8	3/4
<b>CVAN-08-12 EXT</b>	1/2	3/4
<b>CVAN-08-14 EXT</b>	1/2	7/8
<b>CVAN-12-17 EXT</b>	3/4	1 1/16
<b>CVAN-16-21 EXT</b>	1	1 5/16

### NPTF Male x BSPP Swivel Female 90°



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Part Number	Thread 1	Thread 2
<b>CVDNP-02-02</b>	1/8	1/8
<b>CVDNP-04-04</b>	1/4	1/4
<b>CVDNP-06-06</b>	3/8	3/8
<b>CVDNP-08-08</b>	1/2	1/2
<b>CVDNP-12-12</b>	3/4	3/4
<b>CVDNP-16-16</b>	1	1
<b>CVDNP-20-20</b>	1 1/4	1 1/4
<b>CVDNP-24-24</b>	1 1/2	1 1/2

### NPTF Male x NPTF Fixed Female 90°



Part Number	Thread 1	Thread 2
<b>CLJN-02-02</b>	1/8	1/8
<b>CLJN-04-04</b>	1/4	1/4
<b>CLJN-04-06</b>	1/4	3/8
<b>CLJN-06-04</b>	3/8	1/4
<b>CLJN-06-06</b>	3/8	3/8
<b>CLJN-08-06</b>	1/2	3/8
<b>CLJN-08-08</b>	1/2	1/2
<b>CLJN-12-12</b>	3/4	3/4
<b>CLJN-16-16</b>	1	1
<b>CLJN-20-20</b>	1 1/4	1 1/4
<b>CLJN-24-24</b>	1 1/2	1 1/2
<b>CLJN-32-32</b>	2	2

### NPTF Fixed Female x NPTF Fixed Female 90°



Part Number	Thread 1	Thread 2
<b>CLPN-02-02</b>	1/8	1/8
<b>CLPN-04-04</b>	1/4	1/4
<b>CLPN-04-06</b>	1/4	3/8
<b>CLPN-06-06</b>	3/8	3/8
<b>CLPN-06-08</b>	3/8	1/2
<b>CLPN-08-08</b>	1/2	1/2
<b>CLPN-12-12</b>	3/4	3/4
<b>CLPN-16-16</b>	1	1
<b>CLPN-20-20</b>	1 1/4	1 1/4
<b>CLPN-24-24</b>	1 1/2	1 1/2
<b>CLPN-32-32</b>	2	2

**NPTF Male x JIC Male 45°**



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Part Number	Thread 1	Thread 2
<b>CJAN-02-07</b>	1/8	7/16
<b>CJAN-02-08</b>	1/8	1/2
<b>CJAN-02-09</b>	1/8	9/16
<b>CJAN-04-07</b>	1/4	7/16
<b>CJAN-04-08</b>	1/4	1/2
<b>CJAN-04-09</b>	1/4	9/16
<b>CJAN-04-10</b>	1/4	5/8
<b>CJAN-04-12</b>	1/4	3/4
<b>CJAN-06-09</b>	3/8	9/16
<b>CJAN-06-12</b>	3/8	3/4
<b>CJAN-06-14</b>	3/8	7/8
<b>CJAN-08-09</b>	1/2	9/16
<b>CJAN-08-12</b>	1/2	3/4
<b>CJAN-08-14</b>	1/2	7/8
<b>CJAN-08-17</b>	1/2	1 1/16
<b>CJAN-12-12</b>	3/4	3/4
<b>CJAN-12-17</b>	3/4	1 1/16
<b>CJAN-12-19</b>	3/4	1 3/16
<b>CJAN-12-21</b>	3/4	1 5/16
<b>CJAN-16-21</b>	1	1 5/16
<b>CJAN-20-26</b>	1 1/4	1 5/8
<b>CJAN-24-30</b>	1 1/2	1 7/8
<b>CJAN-32-40</b>	2	2 1/2

**NPTF Male Tee**



Part Number	Thread 1	Thread 2	Thread 3
<b>EPL-02-02-02</b>	1/8	1/8	1/8
<b>EPL-04-04-04</b>	1/4	1/4	1/4
<b>EPL-06-06-06</b>	3/8	3/8	3/8
<b>EPL-08-08-08</b>	1/2	1/2	1/2
<b>EPL-12-12-12</b>	3/4	3/4	3/4
<b>EPL-16-16-16</b>	1	1	1

**NPTF Fixed Female Tee**



Part Number	Thread 1	Thread 2	Thread 3
<b>EPK-02-02-02</b>	1/8	1/8	1/8
<b>EPK-04-04-04</b>	1/4	1/4	1/4
<b>EPK-06-06-06</b>	3/8	3/8	3/8
<b>EPK-06-06-06-10K</b>	3/8	3/8	3/8
<b>EPK-08-08-08</b>	1/2	1/2	1/2
<b>EPK-12-12-12</b>	3/4	3/4	3/4
<b>EPK-16-16-16</b>	1	1	1
<b>EPK-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPK-24-24-24</b>	1 1/2	1 1/2	1 1/2
<b>EPK-32-32-32</b>	2	2	2

### NPTF Male x Fixed Female x Male Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>EPLKL-04-04-04</b>	1/4	1/4	1/4
<b>EPLKL-06-06-06</b>	3/8	3/8	3/8
<b>EPLKL-08-08-08</b>	1/2	1/2	1/2
<b>EPLKL-12-12-12</b>	3/4	3/4	3/4
<b>EPLKL-16-16-16</b>	1	1	1
<b>EPLKL-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPLKL-24-24-24</b>	1 1/2	1 1/2	1 1/2



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### NPTF Fixed Female x Fixed Female x Male Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>EPKKL-04-04-04</b>	1/4	1/4	1/4
<b>EPKKL-06-06-06</b>	3/8	3/8	3/8
<b>EPKKL-08-08-08</b>	1/2	1/2	1/2
<b>EPKKL-12-12-12</b>	3/4	3/4	3/4
<b>EPKKL-16-16-16</b>	1	1	1
<b>EPKKL-20-20-20</b>	1 1/4	1 1/4	1 1/4
<b>EPKKL-24-24-24</b>	1 1/2	1 1/2	1 1/2



### ORFS Male Plug

Part Number	Thread 1
<b>FF1254-04</b>	9/16
<b>FF1254-06</b>	1 1/16
<b>FF1254-08</b>	1 3/16
<b>FF1254-10</b>	1
<b>FF1254-12</b>	1 3/16
<b>FF1254-16</b>	1 7/16
<b>FF1254-20</b>	1 11/16
<b>FF1254-24</b>	2



### ORFS Female Cap

Part Number	Thread 1
<b>FF3019-04</b>	9/16
<b>FF3019-06</b>	1 1/16
<b>FF3019-08</b>	1 3/16
<b>FF3019-10</b>	1
<b>FF3019-12</b>	1 3/16
<b>FF3019-16</b>	1 7/16
<b>FF3019-20</b>	1 11/16
<b>FF3019-24</b>	2



ORFS Male x ORFS Male



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Part Number	Thread 1	Thread 2
<b>FF1204-04-04</b>	9/16	9/16
<b>FF1204-06-04</b>	11/16	9/16
<b>FF1204-06-06</b>	11/16	11/16
<b>FF1204-08-06</b>	13/16	11/16
<b>FF1204-08-08</b>	13/16	13/16
<b>FF1204-10-08</b>	1	13/16
<b>FF1204-10-10</b>	1	1
<b>FF1204-10-12</b>	1	13/16
<b>FF1204-12-08</b>	13/16	13/16
<b>FF1204-12-10</b>	13/16	1
<b>FF1204-12-12</b>	13/16	13/16
<b>FF1204-16-12</b>	17/16	13/16
<b>FF1204-16-16</b>	17/16	17/16
<b>FF1204-20-20</b>	111/16	111/16
<b>FF1204-24-24</b>	2	2

ORFS Male x BSPP Male



Part Number	Thread 1	Thread 2
<b>FF1201P-04-02</b>	9/16	1/8
<b>FF1201P-04-04</b>	9/16	1/4
<b>FF1201P-04-06</b>	9/16	3/8
<b>FF1201P-04-08</b>	9/16	1/2
<b>FF1201P-06-04</b>	11/16	1/4
<b>FF1201P-06-06</b>	11/16	3/8
<b>FF1201P-06-08</b>	11/16	1/2
<b>FF1201P-08-04</b>	13/16	1/4
<b>FF1201P-08-06</b>	13/16	3/8
<b>FF1201P-08-08</b>	13/16	1/2
<b>FF1201P-08-12</b>	13/16	3/4
<b>FF1201P-08-16</b>	13/16	1
<b>FF1201P-10-08</b>	1	1/2
<b>FF1201P-10-10</b>	1	5/8
<b>FF1201P-10-12</b>	1	3/4
<b>FF1201P-12-08</b>	13/16	1/2
<b>FF1201P-12-12</b>	13/16	3/4
<b>FF1201P-12-16</b>	13/16	1
<b>FF1201P-16-08</b>	17/16	1/2
<b>FF1201P-16-12</b>	17/16	3/4
<b>FF1201P-16-16</b>	17/16	1
<b>FF1201P-16-20</b>	17/16	11/4
<b>FF1201P-20-12</b>	17/16	3/4
<b>FF1201P-20-16</b>	17/16	1
<b>FF1201P-20-20</b>	111/16	11/4
<b>FF1201P-24-24</b>	2	11/2



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Part Number	Thread 1	Thread 2
<b>FF1231-04-06</b>	9/16	3/8
<b>FF1231-04-07</b>	9/16	7/16
<b>FF1231-04-08</b>	9/16	1/2
<b>FF1231-04-09</b>	9/16	9/16
<b>FF1231-04-12</b>	9/16	3/4
<b>FF1231-04-14</b>	9/16	7/8
<b>FF1231-06-06</b>	1 1/16	3/8
<b>FF1231-06-07</b>	1 1/16	7/16
<b>FF1231-06-08</b>	1 1/16	1/2
<b>FF1231-06-09</b>	1 1/16	9/16
<b>FF1231-06-12</b>	1 1/16	3/4
<b>FF1231-06-14</b>	1 1/16	7/8
<b>FF1231-06-17</b>	1 1/16	1 1/16
<b>FF1231-06-21</b>	1 1/16	1 5/16
<b>FF1231-08-06</b>	1 3/16	3/8
<b>FF1231-08-08</b>	1 3/16	1/2
<b>FF1231-08-09</b>	1 3/16	9/16
<b>FF1231-08-12</b>	1 3/16	3/4
<b>FF1231-08-14</b>	1 3/16	7/8
<b>FF1231-08-17</b>	1 3/16	1 1/16
<b>FF1231-08-19</b>	1 3/16	1 3/16
<b>FF1231-08-21</b>	1 3/16	1 5/16

Part Number	Thread 1	Thread 2
<b>FF1231-10-12</b>	1	3/4
<b>FF1231-10-14</b>	1	7/8
<b>FF1231-10-17</b>	1	1 1/16
<b>FF1231-10-19</b>	1	1 3/16
<b>FF1231-12-09</b>	1 3/16	9/16
<b>FF1231-12-12</b>	1 3/16	3/4
<b>FF1231-12-14</b>	1 3/16	7/8
<b>FF1231-12-17</b>	1 3/16	1 1/16
<b>FF1231-12-19</b>	1 3/16	1 3/16
<b>FF1231-12-21</b>	1 3/16	1 5/16
<b>FF1231-16-12</b>	1 7/16	3/4
<b>FF1231-16-14</b>	1 7/16	7/8
<b>FF1231-16-17</b>	1 7/16	1 1/16
<b>FF1231-16-19</b>	1 7/16	1 3/16
<b>FF1231-16-21</b>	1 7/16	1 5/16
<b>FF1231-16-26</b>	1 7/16	1 5/8
<b>FF1231-20-21</b>	1 11/16	1 5/16
<b>FF1231-20-26</b>	1 11/16	1 5/8
<b>FF1231-20-30</b>	1 11/16	1 7/8
<b>FF1231-24-26</b>	2	1 5/8
<b>FF1231-24-30</b>	2	1 7/8

ORFS Male x ORFS Male Bulkhead



Part Number	Thread 1	Thread 2
<b>FF1260LN-04-04</b>	9/16	9/16
<b>FF1260LN-06-06</b>	1 1/16	1 1/16
<b>FF1260LN-08-08</b>	1 3/16	1 3/16
<b>FF1260LN-10-10</b>	1	1
<b>FF1260LN-12-12</b>	1 3/16	1 3/16
<b>FF1260LN-16-16</b>	1 7/16	1 7/16
<b>FF1260LN-20-20</b>	1 11/16	1 11/16
<b>FF1260LN-24-24</b>	2	2

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ORFS Male x ORFS Male 90°



Part Number	Thread 1	Thread 2
<b>FF1234-04-04</b>	9/16	9/16
<b>FF1234-06-04</b>	1 1/16	9/16
<b>FF1234-06-06</b>	1 1/16	1 1/16
<b>FF1234-08-04</b>	1 3/16	9/16
<b>FF1234-08-06</b>	1 3/16	1 1/16
<b>FF1234-08-08</b>	1 3/16	1 3/16
<b>FF1234-10-10</b>	1	1
<b>FF1234-12-08</b>	1 3/16	1 3/16
<b>FF1234-12-12</b>	1 3/16	1 3/16
<b>FF1234-16-16</b>	1 7/16	1 7/16
<b>FF1234-20-20</b>	1 11/16	1 11/16
<b>FF1234-24-24</b>	2	2

ORFS Male x UNO Adj. 45°



Part Number	Thread 1	Thread 2
<b>FF1240-04-07</b>	9/16	7/16
<b>FF1240-04-09</b>	9/16	9/16
<b>FF1240-04-12</b>	9/16	3/4
<b>FF1240-06-07</b>	1 1/16	7/16
<b>FF1240-06-09</b>	1 1/16	9/16
<b>FF1240-06-12</b>	1 1/16	3/4
<b>FF1240-08-09</b>	1 3/16	9/16
<b>FF1240-08-12</b>	1 3/16	3/4
<b>FF1240-08-14</b>	1 3/16	7/8
<b>FF1240-08-21</b>	1 3/16	1 5/16
<b>FF1240-10-12</b>	1	3/4
<b>FF1240-10-14</b>	1	7/8
<b>FF1240-10-17</b>	1	1 1/16
<b>FF1240-12-14</b>	1 3/16	7/8
<b>FF1240-12-17</b>	1 3/16	1 1/16
<b>FF1240-12-21</b>	1 3/16	1 5/16
<b>FF1240-16-17</b>	1 7/16	1 1/16
<b>FF1240-16-21</b>	1 7/16	1 5/16
<b>FF1240-16-26</b>	1 7/16	1 5/8
<b>FF1240-20-26</b>	1 11/16	1 5/8
<b>FF1240-24-30</b>	2	1 7/8

ORFS Male x UNO Adj. 90°



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Part Number	Thread 1	Thread 2
<b>FF1238-04-07</b>	9/16	7/16
<b>FF1238-04-08</b>	9/16	1/2
<b>FF1238-04-09</b>	9/16	9/16
<b>FF1238-04-12</b>	9/16	3/4
<b>FF1238-06-07</b>	11/16	7/16
<b>FF1238-06-08</b>	11/16	1/2
<b>FF1238-06-09</b>	11/16	9/16
<b>FF1238-06-12</b>	11/16	3/4
<b>FF1238-06-14</b>	11/16	7/8
<b>FF1238-06-17</b>	11/16	11/16
<b>FF1238-08-09</b>	13/16	9/16
<b>FF1238-08-12</b>	13/16	3/4
<b>FF1238-08-14</b>	13/16	7/8
<b>FF1238-08-17</b>	13/16	11/16
<b>FF1238-10-12</b>	1	3/4
<b>FF1238-10-14</b>	1	7/8
<b>FF1238-10-17</b>	1	11/16
<b>FF1238-12-08</b>	13/16	1/2
<b>FF1238-12-12</b>	13/16	3/4
<b>FF1238-12-14</b>	13/16	7/8
<b>FF1238-12-17</b>	13/16	11/16
<b>FF1238-12-19</b>	13/16	13/16
<b>FF1238-12-21</b>	13/16	15/16
<b>FF1238-16-17</b>	17/16	11/16
<b>FF1238-16-19</b>	17/16	13/16
<b>FF1238-16-21</b>	17/16	15/16
<b>FF1238-16-26</b>	17/16	15/8
<b>FF1238-20-21</b>	111/16	15/16
<b>FF1238-20-26</b>	111/16	15/8
<b>FF1238-24-26</b>	2	15/8
<b>FF1238-24-30</b>	2	17/8

ORFS Male x ORFS Female 90°



Part Number	Thread 1	Thread 2
<b>FF1236-04-04</b>	9/16	9/16
<b>FF1236-06-06</b>	11/16	11/16
<b>FF1236-08-08</b>	13/16	13/16
<b>FF1236-10-10</b>	1	1
<b>FF1236-12-12</b>	13/16	13/16
<b>FF1236-16-16</b>	17/16	17/16
<b>FF1236-20-20</b>	111/16	111/16
<b>FF1236-24-24</b>	2	2

ORFS Female x ORFS Male Reducer



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Part Number	Thread 1	Thread 2
<b>FF3018-04-08</b>	9/16	13/16
<b>FF3018-04-10</b>	9/16	1
<b>FF3018-04-12</b>	9/16	13/16
<b>FF3018-06-08</b>	1 1/16	1/2
<b>FF3018-06-10</b>	1 1/16	1
<b>FF3018-06-12</b>	1 1/16	13/16
<b>FF3018-08-10</b>	13/16	1
<b>FF3018-08-12</b>	13/16	13/16
<b>FF3018-08-16</b>	13/16	17/16
<b>FF3018-10-12</b>	1	1 1/16
<b>FF3018-10-16</b>	1	17/16
<b>FF3018-12-10</b>	1 1/16	1
<b>FF3018-12-16</b>	1 1/16	17/16
<b>FF3018-12-20</b>	13/16	1 11/16
<b>FF3018-20-24</b>	1 11/16	2

ORFS Male x Tube Weld (Braze)



Part Number	Thread 1	Tube Size
<b>FF3020-04-04</b>	9/16	1/4
<b>FF3020-04-06</b>	9/16	3/8
<b>FF3020-06-04</b>	1 1/16	1/4
<b>FF3020-06-06</b>	1 1/16	3/8
<b>FF3020-06-08</b>	1 1/16	1/2
<b>FF3020-08-08</b>	13/16	1/2
<b>FF3020-08-10</b>	13/16	5/8
<b>FF3020-10-08</b>	1	1/2
<b>FF3020-10-10</b>	1	5/8
<b>FF3020-12-10</b>	13/16	5/8
<b>FF3020-12-12</b>	13/16	3/4
<b>FF3020-12-14</b>	13/16	7/8
<b>FF3020-12-16</b>	13/16	1
<b>FF3020-16-12</b>	17/16	3/4
<b>FF3020-16-16</b>	17/16	1
<b>FF3020-16-20</b>	17/16	1 1/4
<b>FF3020-20-16</b>	1 11/16	1
<b>FF3020-20-20</b>	1 11/16	1 1/4
<b>FF3020-20-24</b>	1 11/16	1 1/2
<b>FF3020-24-24</b>	2	1 1/2

### ORFS Shoulder x Internal Tube Weld (Braze)

Part Number	Tube Size
<b>FF3031-04-04</b>	1/4
<b>FF3031-06-04</b>	3/8
<b>FF3031-06-06</b>	3/8
<b>FF3031-08-06</b>	1/2
<b>FF3031-08-08</b>	1/2
<b>FF3031-10-08</b>	5/8
<b>FF3031-10-10</b>	5/8
<b>FF3031-12-08</b>	3/4
<b>FF3031-12-10</b>	3/4
<b>FF3031-12-12</b>	3/4
<b>FF3031-16-12</b>	1
<b>FF3031-16-14</b>	1
<b>FF3031-16-16</b>	1
<b>FF3031-20-16</b>	1 1/4
<b>FF3031-20-20</b>	1 1/4
<b>FF3031-24-20</b>	1 1/2
<b>FF3031-24-24</b>	1 1/2



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### ORFS Tube Nut

Part Number	Thread 1	Tube Size
<b>FF1311-04</b>	9/16	1/4
<b>FF1311-06</b>	1 1/16	3/8
<b>FF1311-08</b>	1 3/16	1/2
<b>FF1311-10</b>	1	5/8
<b>FF1311-12</b>	1 3/16	3/4
<b>FF1311-16</b>	1 7/16	1
<b>FF1311-20</b>	1 11/16	1 1/4
<b>FF1311-24</b>	2	1 1/2



ORFS Female Swivel x BSPP Male



1.  
3

Part Number	Thread 1	Thread 2
<b>FF1205-04-04</b>	9/16	1/4
<b>FF1205-06-06</b>	1 1/16	3/8
<b>FF1205-08-06</b>	1 3/16	3/8
<b>FF1205-08-08</b>	1 3/16	1/2
<b>FF1205-08-10</b>	1 3/16	5/8
<b>FF1205-08-12</b>	1 3/16	3/4
<b>FF1205-08-16</b>	1 3/16	1
<b>FF1205-12-08</b>	1 3/16	1/2
<b>FF1205-12-10</b>	1 3/16	5/8
<b>FF1205-12-12</b>	1 3/16	3/4
<b>FF1205-12-16</b>	1 3/16	1
<b>FF1205-16-12</b>	1 7/16	3/4
<b>FF1205-16-16</b>	1 7/16	1
<b>FF1205-20-20</b>	1 11/16	1 1/4

ORFS Male x Male x Male Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>FF1220-04-04-04</b>	9/16	9/16	9/16
<b>FF1220-06-06-06</b>	1 1/16	1 1/16	1 1/16
<b>FF1220-08-08-08</b>	1 3/16	1 3/16	1 3/16
<b>FF1220-10-10-10</b>	1	1	1
<b>FF1220-12-12-12</b>	1 3/16	1 3/16	1 3/16
<b>FF1220-16-16-16</b>	1 7/16	1 7/16	1 7/16
<b>FF1220-20-20-20</b>	1 11/16	1 11/16	1 11/16
<b>FF1220-24-24-24</b>	2	2	2

ORFS Male x Male x Female Branch Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>FF1221-04-04-04</b>	9/16	9/16	9/16
<b>FF1221-06-06-06</b>	1 1/16	1 1/16	1 1/16
<b>FF1221-08-08-08</b>	1 3/16	1 3/16	1 3/16
<b>FF1221-10-10-10</b>	1	1	1
<b>FF1221-12-12-12</b>	1 3/16	1 3/16	1 3/16
<b>FF1221-16-16-16</b>	1 7/16	1 7/16	1 7/16

### ORFS Male x BSPP ADJ Male 90°

Part Number	Thread 1	Thread 2
<b>FF1232-04-04</b>	9/16	1/4
<b>FF1232-06-06</b>	11/16	1/4
<b>FF1232-08-06</b>	13/16	3/8
<b>FF1232-08-08</b>	13/16	1/2
<b>FF1232-10-08</b>	1	1/2
<b>FF1232-12-08</b>	13/16	1/2
<b>FF1232-12-12</b>	13/16	3/4
<b>FF1232-12-16</b>	13/16	1
<b>FF1232-16-16</b>	17/16	1



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### ORFS Male x Female x Male Branch Tee

Part Number	Thread 1	Thread 2	Thread 3
<b>FF1248-04-04-04</b>	9/16	9/16	9/16
<b>FF1248-06-06-06</b>	11/16	11/16	11/16
<b>FF1248-08-08-08</b>	13/16	13/16	13/16
<b>FF1248-10-10-10</b>	1	1	1
<b>FF1248-12-12-12</b>	13/16	13/16	13/16
<b>FF1248-16-16-16</b>	17/16	17/16	17/16



### Stand Pipe Adaptor Heavy Duty

Part Number	Tube OD	Thread 1
<b>KSP-08</b>	20	1/2
<b>KSP-12</b>	25	3/4
<b>KSP-16</b>	30	1



### Metric Male Plug 1.0 Pitch

Part Number	Thread 1
<b>APM-10</b>	10
<b>APM-12</b>	12
<b>APM-14</b>	14
<b>APM-16</b>	16
<b>APM-18</b>	18
<b>APM-20</b>	20
<b>APM-22</b>	22
<b>APM-24</b>	24
<b>APM-26</b>	26



*UNO Male Plug*



1.  
3

Part Number	Thread 1
<b>AV-07</b>	7/16
<b>AV-08</b>	1/2
<b>AV-09</b>	9/16
<b>AV-10</b>	5/8
<b>AV-12</b>	3/4
<b>AV-14</b>	7/8
<b>AV-17</b>	1 1/16
<b>AV-19</b>	1 3/16
<b>AV-21</b>	1 5/16
<b>AV-26</b>	1 5/8
<b>AV-30</b>	1 7/8
<b>AV-40</b>	2 1/2

*UNO Male x JIC Male*



Part Number	Thread 1	Thread 2
<b>J-07-07</b>	7/16	7/16
<b>J-07-09</b>	7/16	9/16
<b>J-08-07</b>	1/2	7/16
<b>J-08-08</b>	1/2	1/2
<b>J-08-09</b>	1/2	9/16
<b>J-09-07</b>	9/16	7/16
<b>J-09-08</b>	9/16	1/2
<b>J-09-09</b>	9/16	9/16
<b>J-09-12</b>	9/16	3/4
<b>J-12-07</b>	3/4	7/16
<b>J-12-09</b>	3/4	9/16
<b>J-12-12</b>	3/4	3/4
<b>J-12-14</b>	3/4	7/8
<b>J-12-17</b>	3/4	1 1/16
<b>J-14-09</b>	7/8	9/16
<b>J-14-12</b>	7/8	3/4
<b>J-14-14</b>	7/8	7/8
<b>J-14-17</b>	7/8	1 1/16
<b>J-17-09</b>	1 1/16	9/16
<b>J-17-12</b>	1 1/16	3/4
<b>J-17-14</b>	1 1/16	7/8
<b>J-17-17</b>	1 1/16	1 1/16
<b>J-17-21</b>	1 1/16	1 5/16
<b>J-19-17</b>	1 3/16	1 1/16
<b>J-19-19</b>	1 3/16	1 3/16
<b>J-21-12</b>	1 5/16	3/4
<b>J-21-14</b>	1 5/16	7/8
<b>J-21-17</b>	1 5/16	1 1/16
<b>J-21-21</b>	1 5/16	1 5/16
<b>J-21-26</b>	1 5/16	1 5/8
<b>J-26-21</b>	1 5/8	1 5/16
<b>J-26-26</b>	1 5/8	1 5/8
<b>J-26-30</b>	1 5/8	1 7/8
<b>J-30-21</b>	1 7/8	1 5/16
<b>J-30-26</b>	1 7/8	1 5/8
<b>J-30-30</b>	1 7/8	1 7/8
<b>J-30-40</b>	1 7/8	2 1/2
<b>J-40-40</b>	2 1/2	2 1/2

Part Number	Thread 1	Thread 2
<b>H-06-04</b>	3/8	1/4
<b>H-07-04</b>	7/16	1/4
<b>H-07-06</b>	7/16	3/8
<b>H-07-08</b>	7/16	1/2
<b>H-08-04</b>	1/2	1/4
<b>H-08-06</b>	1/2	3/8
<b>H-08-08</b>	1/2	1/2
<b>H-09-04</b>	9/16	1/4
<b>H-09-06</b>	9/16	3/8
<b>H-09-08</b>	9/16	1/2
<b>H-10-04</b>	5/8	1/4
<b>H-10-06</b>	5/8	3/8
<b>H-10-08</b>	5/8	1/2
<b>H-12-04</b>	3/4	1/4
<b>H-12-06</b>	3/4	3/8
<b>H-12-08</b>	3/4	1/2
<b>H-12-10</b>	3/4	5/8
<b>H-12-12</b>	3/4	3/4
<b>H-14-06</b>	7/8	3/8
<b>H-14-08</b>	5/8	1/2
<b>H-14-10</b>	7/8	5/8
<b>H-14-12</b>	7/8	3/4
<b>H-14-16</b>	7/8	1
<b>H-17-06</b>	1 1/16	3/8
<b>H-17-08</b>	1 1/16	1/2
<b>H-17-10</b>	1 1/16	5/8
<b>H-17-12</b>	1 1/16	3/4
<b>H-17-16</b>	1 1/16	1
<b>H-19-12</b>	1 3/16	3/4
<b>H-21-08</b>	1 5/16	1/2
<b>H-21-12</b>	1 5/16	3/4
<b>H-21-16</b>	1 5/16	1
<b>H-21-20</b>	1 5/16	1 1/4
<b>H-21-24</b>	1 5/16	1 1/2
<b>H-26-12</b>	1 5/8	3/4
<b>H-26-16</b>	1 5/8	1
<b>H-26-20</b>	1 5/8	1 1/4
<b>H-26-24</b>	1 5/8	1 1/2
<b>H-30-20</b>	1 7/8	1 1/4
<b>H-30-24</b>	1 7/8	1 1/2



1.  
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Part Number	Thread 1	Thread 2
<b>CKA-07-07</b>	7/16	7/16
<b>CKA-08-08</b>	1/2	1/2
<b>CKA-09-09</b>	9/16	9/16
<b>CKA-12-12</b>	3/4	3/4
<b>CKA-14-14</b>	7/8	7/8
<b>CKA-14-17</b>	7/8	1 1/16
<b>CKA-17-17</b>	1 1/16	1 1/16
<b>CKA-19-19</b>	1 3/16	1 3/16
<b>CKA-21-21</b>	1 5/16	1 5/16
<b>CKA-26-26</b>	1 5/8	1 5/8
<b>CKA-30-30</b>	1 7/8	1 7/8
<b>CKA-40-40</b>	2 1/2	2 1/2



*UNO Adj. Male x JIC Male 90°*



1.  
3

Part Number	Thread 1	Thread 2
<b>CEA-07-07</b>	7/16	7/16
<b>CEA-07-09</b>	7/16	9/16
<b>CEA-08-08</b>	1/2	1/2
<b>CEA-08-09</b>	1/2	9/16
<b>CEA-09-07</b>	9/16	7/16
<b>CEA-09-09</b>	9/16	9/16
<b>CEA-09-12</b>	9/16	3/4
<b>CEA-12-09</b>	3/4	9/16
<b>CEA-12-12</b>	3/4	3/4
<b>CEA-12-14</b>	3/4	7/8
<b>CEA-12-17</b>	3/4	1 1/16
<b>CEA-14-09</b>	7/8	9/16
<b>CEA-14-12</b>	7/8	3/4
<b>CEA-14-14</b>	7/8	7/8
<b>CEA-14-17</b>	7/8	1 1/16
<b>CEA-17-12</b>	1 1/16	3/4
<b>CEA-17-14</b>	1 1/16	7/8
<b>CEA-17-17</b>	1 1/16	1 1/16
<b>CEA-17-21</b>	1 1/16	1 5/16
<b>CEA-19-19</b>	1 3/16	1 3/16
<b>CEA-21-17</b>	1 5/16	1 1/16
<b>CEA-21-21</b>	1 5/16	1 5/16
<b>CEA-21-26</b>	1 5/16	1 5/8
<b>CEA-26-21</b>	1 5/8	1 5/16
<b>CEA-26-26</b>	1 5/8	1 5/8
<b>CEA-30-30</b>	1 7/8	1 7/8
<b>CEA-40-40</b>	2 1/2	2 1/2

*SAE Inverted Flare x JIC Male*



Part Number	Thread 1	Thread 2
<b>PS-06-07</b>	3/8	7/16
<b>PS-07-07</b>	7/16	7/16
<b>PS-08-08</b>	1/2	1/2
<b>PS-08-09</b>	1/2	9/16
<b>PS-08-10</b>	1/2	5/8
<b>PS-10-09</b>	5/8	9/16
<b>PS-10-10</b>	5/8	5/8
<b>PS-10-12</b>	5/8	3/4
<b>PS-11-12</b>	1 1/16	3/4
<b>PS-12-12</b>	3/4	3/4

*JIS Metric Male x JIS Metric Male*



Part Number	Thread 1	Thread 2
<b>AJK-14-14</b>	14	14
<b>AJK-16-16</b>	16	16
<b>AJK-18-18</b>	18	18
<b>AJK-22-22</b>	22	22
<b>AJK-24-24</b>	24	24
<b>AJK-30-30</b>	30	30
<b>AJK-33-33</b>	33	33

### JIS Metric Swivel Female x JIS Metric Male

Part Number	Thread 1	Thread 2
<b>AJKMP-14-14</b>	14	14
<b>AJKMP-16-16</b>	16	16
<b>AJKMP-18-18</b>	18	18
<b>AJKMP-22-22</b>	22	22
<b>AJKMP-24-24</b>	24	24
<b>AJKMP-30-30</b>	30	30
<b>AJKMP-33-33</b>	33	33



1.  
3

### JIS Metric Male x BSPP Swivel Female

Part Number	Thread 1	Thread 2
<b>AAKP-14-04</b>	14	1/4
<b>AAKP-14-06</b>	14	3/8
<b>AAKP-16-06</b>	16	3/8
<b>AAKP-18-06</b>	18	3/8
<b>AAKP-22-06</b>	22	3/8
<b>AAKP-22-08</b>	22	1/2
<b>AAKP-24-08</b>	24	1/2
<b>AAKP-24-12</b>	24	3/4
<b>AAKP-30-12</b>	30	3/4
<b>AAKP-33-16</b>	33	1



### JIS Metric Male x BSPT Male

Part Number	Thread 1	Thread 2
<b>AAK-14-04</b>	14	1/4
<b>AAK-14-06</b>	14	3/8
<b>AAK-16-06</b>	16	3/8
<b>AAK-18-06</b>	18	3/8
<b>AAK-22-06</b>	22	3/8
<b>AAK-22-08</b>	22	1/2
<b>AAK-24-08</b>	24	1/2
<b>AAK-24-12</b>	24	3/4
<b>AAK-30-12</b>	30	3/4
<b>AAK-33-16</b>	33	1



### JIS Metric Male x BSPT Male 45° Elbow

Part Number	Thread 1	Thread 2
<b>CJAK-14-04</b>	14	1/4
<b>CJAK-14-06</b>	14	3/8
<b>CJAK-16-06</b>	16	3/8
<b>CJAK-18-06</b>	18	3/8
<b>CJAK-22-06</b>	22	3/8
<b>CJAK-22-08</b>	22	1/2
<b>CJAK-24-08</b>	24	1/2
<b>CJAK-24-12</b>	24	3/4
<b>CJAK-30-12</b>	30	3/4
<b>CJAK-33-16</b>	33	1



JIS Metric Male x BSPT Male 90° Elbow



Part Number	Thread 1	Thread 2
<b>CVJK-14-04</b>	14	1/4
<b>CVJK-14-06</b>	14	3/8
<b>CVJK-16-06</b>	16	3/8
<b>CVJK-18-06</b>	18	3/8
<b>CVJK-22-06</b>	22	3/8
<b>CVJK-22-08</b>	22	1/2
<b>CVJK-24-08</b>	24	1/2
<b>CVJK-24-12</b>	24	3/4
<b>CVJK-30-12</b>	30	3/4
<b>CVJK-33-16</b>	33	1

1.  
3

JIS Metric Male x JIS Metric Female 90°



Part Number	Thread 1	Thread 2
<b>CVAK-14-14</b>	14	14
<b>CVAK-16-16</b>	16	16
<b>CVAK-18-18</b>	18	18
<b>CVAK-22-22</b>	22	22
<b>CVAK-24-24</b>	24	24
<b>CVAK-30-30</b>	30	30
<b>CVAK-33-33</b>	33	33

JIS Metric x JIS Metric M/M/F Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>EJMP-14-14-14</b>	14	14	14
<b>EJMP-16-16-16</b>	16	16	16
<b>EJMP-18-18-18</b>	18	18	18
<b>EJMP-22-22-22</b>	22	22	22
<b>EJMP-24-24-24</b>	24	24	24
<b>EJMP-30-30-30</b>	30	30	30
<b>EJMP-33-33-33</b>	33	33	33

JIS Metric x JIS Metric M/F/M Tee



Part Number	Thread 1	Thread 2	Thread 3
<b>EJDP-14-14-14</b>	14	14	14
<b>EJDP-16-16-16</b>	16	16	16
<b>EJDP-18-18-18</b>	18	18	18
<b>EJDP-22-22-22</b>	22	22	22
<b>EJDP-24-24-24</b>	24	24	24
<b>EJDP-30-30-30</b>	30	30	30
<b>EJDP-33-33-33</b>	33	33	33

JIS Metric x JIS Metric F/F/F Tee



1.  
3

Part Number	Thread 1	Thread 2	Thread 3
<b>EJFP-14-14-14</b>	14	14	14
<b>EJFP-16-16-16</b>	16	16	16
<b>EJFP-18-18-18</b>	18	18	18
<b>EJFP-22-22-22</b>	22	22	22
<b>EJFP-24-24-24</b>	24	24	24
<b>EJFP-30-30-30</b>	30	30	30
<b>EJFP-33-33-33</b>	33	33	33

JIC Tube Nut



Part Number	Thread 1
<b>BAN-06</b>	3/8
<b>BAN-07</b>	7/16
<b>BAN-08</b>	1/2
<b>BAN-09</b>	9/16
<b>BAN-10</b>	5/8
<b>BAN-12</b>	3/4
<b>BAN-14</b>	7/8
<b>BAN-17</b>	1 1/16
<b>BAN-19</b>	1 3/16
<b>BAN-21</b>	1 5/16
<b>BAN-26</b>	1 5/8
<b>BAN-30</b>	1 7/8

JIC Flared Sleeve



Part Number	Thread 1
<b>BAS-03</b>	1/8
<b>BAS-04</b>	1/4
<b>BAS-05</b>	5/16
<b>BAS-06</b>	3/8
<b>BAS-08</b>	1/2
<b>BAS-10</b>	5/8
<b>BAS-12</b>	3/4
<b>BAS-14</b>	7/8
<b>BAS-16</b>	1
<b>BAS-20</b>	1 1/4
<b>BAS-24</b>	1 1/2

JIC Tube Reducer



1.  
3

Part Number	Thread 1	Thread 2
<b>BBI-09-07</b>	9/16	7/16
<b>BBI-09-08</b>	9/16	1/2
<b>BBI-12-07</b>	3/4	7/16
<b>BBI-12-09</b>	3/4	9/16
<b>BBI-14-07</b>	7/8	7/16
<b>BBI-14-09</b>	7/8	9/16
<b>BBI-14-12</b>	7/8	3/4
<b>BBI-17-07</b>	1 1/16	7/16
<b>BBI-17-09</b>	1 1/16	9/16
<b>BBI-17-12</b>	1 1/16	3/4
<b>BBI-17-14</b>	1 1/16	7/8
<b>BBI-21-12</b>	1 5/16	3/4
<b>BBI-21-14</b>	1 5/16	7/8
<b>BBI-21-17</b>	1 5/16	1 1/16
<b>BBI-26-12</b>	1 5/8	3/4
<b>BBI-26-17</b>	1 5/8	1 1/16
<b>BBI-26-21</b>	1 5/8	1 5/16
<b>BBI-30-21</b>	1 7/8	1 5/16
<b>BBI-30-26</b>	1 7/8	1 5/8

BSPP In-Line Swivel M/F



Part Number	Thread 1	Thread 2
<b>5000-04-04</b>	1/4	1/4
<b>5000-06-06</b>	3/8	3/8
<b>5000-08-08</b>	1/2	1/2
<b>5000-10-10</b>	5/8	5/8
<b>5000-12-12</b>	3/4	3/4
<b>5000-16-16</b>	1	1
<b>5000-20-20</b>	1 1/4	1 1/4
<b>5000-24-24</b>	1 1/2	1 1/2
<b>5000-32-32</b>	2	2

JIS BSPP to JIS BSPP Convertor Olive



Part Number	Thread 1
<b>JC-06</b>	3/8
<b>JC-08</b>	1/2
<b>JC-10</b>	5/8
<b>JC-12</b>	3/4
<b>JC-16</b>	1
<b>JC-20</b>	1 1/4



1.  
3

Part Number	Thread 1	Thread 2
<b>5100-02-02</b>	1/8	1/8
<b>5100-04-04</b>	1/4	1/4
<b>5100-06-06</b>	3/8	3/8
<b>5100-08-08</b>	1/2	1/2
<b>5100-10-10</b>	5/8	5/8
<b>5100-12-12</b>	3/4	3/4
<b>5100-16-16</b>	1	1
<b>5100-20-20</b>	1 1/4	1 1/4
<b>5100-24-24</b>	1 1/2	1 1/2
<b>5100-32-32</b>	2	2

### JIC Male x Tube Weld



Part Number	Thread 1	Thread 2
<b>BC-07-04</b>	7/16	1/4
<b>BC-09-06</b>	9/16	3/8
<b>BC-12-08</b>	3/4	1/2
<b>BC-14-10</b>	7/8	5/8
<b>BC-17-12</b>	1 1/16	3/4
<b>BC-21-16</b>	1 5/16	1
<b>BC-26-20</b>	1 9/8	1 1/4
<b>BC-30-24</b>	1 7/8	1 1/2

### BSPP Male x Tube Weld



Part Number	Thread 1	Thread 2
<b>BP-04-06</b>	1/4	3/8
<b>BP-04-08</b>	1/4	1/2
<b>BP-06-08</b>	3/8	1/2
<b>BP-08-08</b>	1/2	1/2
<b>BP-08-12</b>	1/2	3/4
<b>BP-12-12</b>	3/4	3/4
<b>BP-12-16</b>	3/4	1
<b>BP-16-16</b>	1	1
<b>BP-16-20</b>	1	1 1/4
<b>BP-20-20</b>	1 1/4	1 1/4
<b>BP-20-24</b>	1 1/4	1 1/2
<b>BP-24-24</b>	1 1/2	1 1/2

3000 PSI Flange x Tube Weld



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Part Number	SAE Flange Size	Tube OD
<b>BG-08-08</b>	1/2	1/2
<b>BG-10-10</b>	5/8	5/8
<b>BG-12-08</b>	3/4	1/2
<b>BG-12-12</b>	3/4	3/4
<b>BG-16-12</b>	1	3/4
<b>BG-16-16</b>	1	1
<b>BG-20-16</b>	1 1/4	1
<b>BG-20-20</b>	1 1/4	1 1/4
<b>BG-24-16</b>	1 1/2	1
<b>BG-24-20</b>	1 1/2	1 1/4
<b>BG-24-24</b>	1 1/2	1 1/2
<b>BG-32-20</b>	2	1 1/4
<b>BG-32-24</b>	2	1 1/2
<b>BG-32-32</b>	2	2

BFS Series SAE-Block Flange BSPP Thread 3000 PSI



Part Number	SAE Flange Size	Tube OD
<b>BFS-08-08</b>	1/2	1/2
<b>BFS-12-12</b>	5/8	5/8
<b>BFS-16-16</b>	3/4	1/2
<b>BFS-20-20</b>	3/4	3/4
<b>BFS-24-24</b>	1	3/4
<b>BFS-32-32</b>	1	1

BFS90 Series SAE-90° Block Flange BSPP Thread 3000 PSI



Part Number	SAE Flange Size	Tube OD
<b>BFS90-08-08</b>	1/2	1/2
<b>BFS90-12-12</b>	5/8	5/8
<b>BFS90-16-16</b>	3/4	1/2
<b>BFS90-20-20</b>	3/4	3/4
<b>BFS90-24-24</b>	1	3/4
<b>BFS90-32-32</b>	1	1

BFSG Series SAE-Counter Block Flange BSPP Thread 3000 PSI



Part Number	SAE Flange Size	Tube OD
<b>BFSG-08-08</b>	1/2	1/2
<b>BFSG-12-12</b>	5/8	5/8
<b>BFSG-16-16</b>	3/4	1/2
<b>BFSG-20-20</b>	3/4	3/4
<b>BFSG-24-24</b>	1	3/4
<b>BFSG-32-32</b>	1	1

### BFH Series Block Flange BSPP Thread 6000 PSI



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Part Number	SAE Flange Size	Tube OD
<b>BFH-08-08</b>	1/2	1/2
<b>BFH-12-12</b>	5/8	5/8
<b>BFH-16-16</b>	3/4	1/2
<b>BFH-20-20</b>	3/4	3/4
<b>BFH-24-24</b>	1	3/4
<b>BFH-32-32</b>	1	1

### BFH 90° Series Block Flange BSPP Thread 6000 PSI



Part Number	Thread 1	Thread 2
<b>BFH90-08-08</b>	1/2	1/2
<b>BFH90-12-12</b>	5/8	5/8
<b>BFH90-16-16</b>	3/4	1/2
<b>BFSH90-20-20</b>	3/4	3/4
<b>BFSH90-24-24</b>	1	3/4
<b>BFSH90-32-32</b>	1	1

### BFHG Series Counter Block Flange BSPP 6000 PSI



Part Number	Thread 1	Thread 2
<b>BFHG-08-08</b>	1/2	1/2
<b>BFHG-12-12</b>	5/8	5/8
<b>BFHG-16-16</b>	3/4	1/2
<b>BFHG-20-20</b>	3/4	3/4
<b>BFHG-24-24</b>	1	3/4
<b>BFHG-32-32</b>	1	1

*AZ3 Series Flange Clamps 3000 PSI*



Part Number	Size (inch)
<b>AZ3-08</b>	1/2
<b>AZ3-12</b>	3/4
<b>AZ3-16</b>	1
<b>AZ3-20</b>	1 1/4
<b>AZ3-24</b>	1 1/2
<b>AZ3-32</b>	2

1.  
3

*AZ6 Series SAE Flange Clamps 6000 PSI*



Part Number	Size (inch)
<b>AZ6-08</b>	1/2
<b>AZ6-12</b>	3/4
<b>AZ6-16</b>	1
<b>AZ6-20</b>	1 1/4
<b>AZ6-24</b>	1 1/2
<b>AZ6-32</b>	2

*AZ9 Series SAE Flange Clamps 9000 PSI*



Part Number	Size (inch)
<b>AZ9-20</b>	1 1/4