

O-Ring Face Seal Adapters

00083... ORFS Nut



| Part Number | Female ORFS |
|--------------------|--------------------|
| 00083-04 | 9/16-18 |
| 00083-06 | 11/16-16 |
| 00083-08 | 13/16-16 |
| 00083-12 | 1-3/16-12 |
| 00083-16 | 1-7/16-12 |

00083BR... ORFS Braze Sleeve

| Part Number | Female ORFS | Tube O·D· |
|--------------------|--------------------|------------------|
| 00083BR-04-04 | 9/16-18 | 1/4" |
| 00083BR-06-06 | 11/16-16 | 3/8" |
| 00083BR-08-08 | 13/16-16 | 1/2" |
| 00083BR-12-12 | 1-3/16-12 | 3/4" |
| 00083BR-16-16 | 1-7/16-12 | 1" |

83000... ORFS Cap



| Part Number | Male ORFS |
|--------------------|------------------|
| 83000-04 | 9/16-18 |
| 83000-06 | 11/16-16 |
| 83000-08 | 13/16-16 |
| 83000-10 | 1-14 |
| 83000-12 | 1-3/16-12 |
| 83000-16 | 1-7/16-12 |
| 83000-20 | 1-11/16-12 |
| 83000-24 | 2-12 |

93000... ORFS Hex Plug



| Part Number | Male ORFS |
|-------------|------------|
| 93000-04 | 9/16-18 |
| 93000-06 | 11/16-16 |
| 93000-08 | 13/16-16 |
| 93000-10 | 1-14 |
| 93000-12 | 1-3/16-12 |
| 93000-16 | 1-7/16-12 |
| 93000-20 | 1-11/16-12 |
| 93000-24 | 2-12 |

83093... ORFS Connector




| Part Number | Male ORFS | Female ORFS |
|-------------|------------|-------------|
| 83093-04-06 | 9/16-18 | 11/16-16 |
| 83093-04-08 | 9/16-18 | 13/16-16 |
| 83093-04-12 | 9/16-18 | 1-3/16-12 |
| 83093-06-04 | 11/16-16 | 9/16-18 |
| 83093-06-10 | 11/16-16 | 1-14 |
| 83093-08-04 | 13/16-16 | 9/16-18 |
| 83093-08-06 | 13/16-16 | 11/16-16 |
| 83093-08-10 | 13/16-16 | 1-14 |
| 83093-08-12 | 13/16-16 | 1-3/16-12 |
| 83093-08-16 | 13/16-16 | 1-7/16-12 |
| 83093-10-08 | 1-14 | 13/16-16 |
| 83093-10-12 | 1-14 | 1-3/16-12 |
| 83093-12-04 | 1-3/16-12 | 9/16-18 |
| 83093-12-08 | 1-3/16-12 | 13/16-16 |
| 83093-12-16 | 1-3/16-12 | 1-7/16-12 |
| 83093-12-24 | 1-3/16-12 | 2-12 |
| 83093-16-12 | 1-7/16-12 | 1-3/16-12 |
| 83093-16-20 | 1-7/16-12 | 1-11/16-12 |
| 83093-20-16 | 1-11/16-12 | 1-7/16-12 |
| 83093-20-24 | 2-12 | 1-11/16-12 |

83493... ORFS 45° Elbow

|  | | |
|---|-------------|-----------|
| Part Number | Female ORFS | Male ORFS |
| 83493-04-04 | 9/16-18 | 9/16-18 |
| 83493-08-08 | 13/16-16 | 13/16-16 |
| 83493-10-10 | 1-14 | 1-14 |
| 83493-12-12 | 1-3/16-12 | 1-3/16-12 |
| 83493-16-16 | 1-7/16-12 | 1-7/16-12 |

83993... ORFS 90° Elbow

|  | | |
|---|-------------|------------|
| Part Number | Female ORFS | Male ORFS |
| 83993-04-04 | 9/16-18 | 9/16-18 |
| 83993-06-06 | 11/16-16 | 11/16-16 |
| 83993-08-08 | 13/16-16 | 13/16-16 |
| 83993-10-10 | 1-14 | 1-14 |
| 83993-12-12 | 1-3/16-12 | 1-3/16-12 |
| 83993-16-16 | 1-7/16-12 | 1-7/16-12 |
| 83993-20-20 | 1-11/16-12 | 1-11/16-12 |

93093... ORFS Union

| Part Number | Male ORFS | Male ORFS |
|-------------|-----------|-----------|
| 93093-04-04 | 9/16-18 | 9/16-18 |
| 93093-06-04 | 11/16-16 | 9/16-18 |
| 93093-06-06 | 11/16-16 | 11/16-16 |
| 93093-08-06 | 13/16-16 | 11/16-16 |
| 93093-08-08 | 13/16-16 | 13/16-16 |
| 93093-10-08 | 1-14 | 13/16-16 |
| 93093-10-10 | 1-14 | 1-14 |
| 93093-12-08 | 1-3/16-12 | 13/16-16 |
| 93093-12-10 | 1-3/16-12 | 1-14 |
| 93093-12-12 | 1-3/16-12 | 1-3/16-12 |
| 93093-16-12 | 1-7/16-12 | 1-3/16-12 |
| 93093-16-16 | 1-7/16-12 | 1-7/16-12 |

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|-------------|------------|------------|
| 93093-20-20 | 1-11/16-12 | 1-11/16-12 |
|-------------|------------|------------|

93993... ORFS 90° Union Elbow

| Part Number | Male ORFS | Male ORFS |
|-------------|------------|------------|
| 93993-04-04 | 9/16-18 | 9/16-18 |
| 93993-06-06 | 11/16-16 | 11/16-16 |
| 93993-08-08 | 13/16-16 | 13/16-16 |
| 93993-10-10 | 1-14 | 1-14 |
| 93993-12-12 | 1-3/16-12 | 1-3/16-12 |
| 93993-16-16 | 1-7/16-12 | 1-7/16-12 |
| 93993-20-20 | 1-11/16-12 | 1-11/16-12 |

93093BH... ORFS Bulkhead Union

|  | | |
|---|------------|------------|
| Part Number | Male ORFS | Male ORFS |
| 93093BH-04-04 | 9/16-18 | 9/16-18 |
| 93093BH-06-06 | 11/16-16 | 11/16-16 |
| 93093BH-08-08 | 13/16-16 | 13/16-16 |
| 93093BH-10-10 | 1-14 | 1-14 |
| 93093BH-12-12 | 1-3/16-12 | 1-3/16-12 |
| 93093BH-16-16 | 1-7/16-12 | 1-7/16-12 |
| 93093BH-20-20 | 1-11/16-12 | 1-11/16-12 |

93993BH... ORFS Bulkhead 90° Elbow

|  | | |
|---|-----------|-----------|
| Part Number | Male ORFS | Male ORFS |
| 93993BH-06-06 | 11/16-16 | 11/16-16 |
| 93993BH-08-08 | 13/16-16 | 13/16-16 |
| 93993BH-12-12 | 1-3/16-12 | 1-3/16-12 |

83T99... ORFS Tee



| Part Number | Female ORFS | Male ORFS |
|--------------------|--------------------|------------------|
| 83T99-04-04 | 9/16-18 | 9/16-18 |
| 83T99-06-06 | 11/16-16 | 11/16-16 |
| 83T99-08-08 | 13/16-16 | 13/16-16 |
| 83T99-10-10 | 1-14 | 1-14 |
| 83T99-12-12 | 1-3/16-12 | 1-3/16-12 |
| 83T99-16-16 | 1-7/16-12 | 1-7/16-12 |
| 83T99-20-20 | 1-11/16-12 | 1-11/16-12 |

93T99... ORFS Union Tee



| Part Number | Male ORFS | Male ORFS |
|--------------------|------------------|------------------|
| 93T99-04-04 | 9/16-18 | 9/16-18 |
| 93T99-06-06 | 11/16-16 | 11/16-16 |
| 93T99-08-08 | 13/16-16 | 13/16-16 |
| 93T99-10-10 | 1-14 | 1-14 |
| 93T99-12-12 | 1-3/16-12 | 1-3/16-12 |
| 93T99-16-16 | 1-7/16-12 | 1-7/16-12 |
| 93T99-20-20 | 1-11/16-12 | 1-11/16-12 |

93T983... Swivel Nut Branch Tee



| Part Number | Male ORFS | Female ORFS |
|--------------------|------------------|--------------------|
| 93T983-04-04 | 9/16-18 | 9/16-18 |
| 93T983-06-06 | 11/16-16 | 11/16-16 |
| 93T983-08-08 | 13/16-16 | 13/16-16 |
| 93T983-10-10 | 1-14 | 1-14 |
| 93T983-12-12 | 1-3/16-12 | 1-3/16-12 |
| 93T983-16-16 | 1-7/16-12 | 1-7/16-12 |

15083... Female ORFS to Male JIC Adapter



| Part Number | Female ORFS | Male JIC |
|-------------|-------------|-----------|
| 15083-04-04 | 9/16-18 | 7/16-20 |
| 15083-06-06 | 11/16-16 | 9/16-18 |
| 15083-08-08 | 13/16-16 | 3/4-16 |
| 15083-10-10 | 1-14 | 7/8-14 |
| 15083-12-12 | 1-3/16-12 | 1-1/16-12 |
| 15083-16-16 | 1-7/16-12 | 1-5/16-12 |
| 15083-20-20 | 1-11/16-12 | 1-5/8-12 |

15093... Male ORFS to JIC Connector



| Part Number | Male ORFS | Male JIC |
|-------------|-----------|-----------|
| 15093-04-04 | 9/16-18 | 7/16-20 |
| 15093-06-06 | 11/16-16 | 9/16-18 |
| 15093-08-08 | 13/16-16 | 3/4-16 |
| 15093-10-10 | 1-14 | 7/8-14 |
| 15093-12-12 | 1-3/16-12 | 1-1/16-12 |
| 15093-16-16 | 1-7/16-12 | 1-5/16-12 |


93016... ORFS to NPT Connector




| Part Number | Male Pipe | Male ORFS |
|-------------|-----------|-----------|
| 93016-02-04 | 1/8-27 | 9/16-18 |
| 93016-04-04 | 1/4-18 | 9/16-18 |
| 93016-04-06 | 1/4-18 | 11/16-16 |
| 93016-04-08 | 1/4-18 | 13/16-16 |
| 93016-06-04 | 3/8-18 | 9/16-18 |
| 93016-06-06 | 3/8-18 | 11/16-16 |

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|-------------|--------------|------------|
| 93016-06-08 | 3/8-18 | 13/16-16 |
| 93016-08-06 | 1/2-14 | 11/16-16 |
| 93016-08-08 | 1/2-14 | 13/16-16 |
| 93016-08-10 | 1/2-14 | 1-14 |
| 93016-08-12 | 1/2-14 | 1-3/16-12 |
| 93016-12-08 | 3/4-14 | 13/16-16 |
| 93016-12-10 | 3/4-14 | 1-14 |
| 93016-12-12 | 3/4-14 | 1-3/16-12 |
| 93016-12-16 | 3/4-14 | 1-7/16-12 |
| 93016-16-12 | 1-11-1/2 | 1-3/16-12 |
| 93016-16-16 | 1-11-1/2 | 1-7/16-12 |
| 93016-16-20 | 1-11-1/2 | 1-11/16-12 |
| 93016-20-16 | 1-1/4-11-1/2 | 1-7/16-12 |
| 93016-20-20 | 1-1/4-11-1/2 | 1-11/16-12 |

93416... ORFS to NPT 45° Elbow

|  | | |
|---|-----------|-----------|
| Part Number | Male Pipe | Male ORFS |
| 93416-04-04 | 1/4-18 | 9/16-18 |
| 93416-04-06 | 1/4-18 | 11/16-16 |
| 93416-06-06 | 3/8-18 | 11/16-16 |
| 93416-06-08 | 3/8-18 | 13/16-16 |
| 93416-08-08 | 1/2-14 | 13/16-16 |
| 93416-08-10 | 1/2-14 | 1-14 |
| 93416-12-12 | 1-11-1/2 | 1-7/16-12 |

93916... ORFS to NPT 90° Elbow

|  | | |
|---|-----------|-----------|
| Part Number | Male Pipe | Male ORFS |
| 93916-02-04 | 1/8-27 | 9/16-18 |
| 93916-04-04 | 1/4-18 | 9/16-18 |
| 93916-04-06 | 1/4-18 | 11/16-16 |
| 93916-06-04 | 3/8-18 | 9/16-18 |
| 93916-06-06 | 3/8-18 | 11/16-16 |
| 93916-06-08 | 3/8-18 | 13/16-16 |

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|-------------|--------------|------------|
| 93916-08-06 | 1/2-14 | 11/16-16 |
| 93916-08-08 | 1/2-14 | 13/16-16 |
| 93916-08-10 | 1/2-14 | 1-14 |
| 93916-08-12 | 1/2-14 | 1.3/16-12 |
| 93916-12-10 | 3/4-14 | 1-14 |
| 93916-12-12 | 3/4-14 | 1.3/16-12 |
| 93916-16-16 | 1-11.1/2 | 1.7/16-12 |
| 93916-20-20 | 1.1/4-11.1/2 | 1.11/16-12 |

93T96... ORFS to NPT Tee



| Part Number | Male Pipe | Male ORFS |
|-------------|-----------|-----------|
| 93T96-04-04 | 1/8-14 | 9/16-18 |
| 93T96-04-06 | 1/4-18 | 11/16-16 |
| 93T96-06-06 | 3/8-18 | 11/16-16 |
| 93T96-06-08 | 3/8-18 | 13/16-16 |
| 93T96-08-08 | 1/2-14 | 13/16-16 |
| 93T96-12-12 | 3/4-14 | 1.3/16-12 |
| 93T96-16-16 | 1-11.1/2 | 1.7/16-12 |

93T19... ORFS to ORB Tee



| Part Number | Male ORB | Male ORFS |
|-------------|-----------|------------|
| 93T19-04-04 | 7/16-20 | 9/16-18 |
| 93T19-06-06 | 9/16-18 | 11/16-16 |
| 93T19-08-08 | 3/4-16 | 13/16-16 |
| 93T19-10-10 | 7/8-14 | 1-14 |
| 93T19-12-12 | 1.1/16-12 | 1.3/16-12 |
| 93T19-16-16 | 1.5/16-12 | 1.7/16-12 |
| 93T19-20-20 | 1.5/8-12 | 1.11/16-12 |

93011... ORFS to O-Ring Boss Connector



| Part Number | Male ORB | Male ORFS |
|--------------------|-----------------|------------------|
| 93011-03-04 | 3/8-24 | 9/16-18 |
| 93011-04-04 | 7/16-20 | 9/16-18 |
| 93011-04-06 | 7/16-20 | 11/16-16 |
| 93011-04-08 | 7/16-20 | 13/16-16 |
| 93011-05-06 | 1/2-20 | 11/16-16 |
| 93011-06-04 | 9/16-18 | 9/16-18 |
| 93011-06-06 | 9/16-18 | 11/16-16 |
| 93011-06-08 | 9/16-18 | 13/16-16 |
| 93011-08-04 | 3/4-16 | 9/16-18 |
| 93011-08-06 | 3/4-16 | 11/16-16 |
| 93011-08-08 | 3/4-16 | 13/16-16 |
| 93011-08-10 | 3/4-16 | 1-14 |
| 93011-08-12 | 3/4-16 | 1-13/16-12 |
| 93011-10-06 | 7/8-14 | 11/16-16 |
| 93011-10-08 | 7/8-14 | 13/16-16 |
| 93011-10-10 | 7/8-14 | 1-3/16-12 |
| 93011-12-08 | 11/16-12 | 13/16-16 |
| 93011-12-10 | 1-1/16-12 | 1-14 |
| 93011-12-12 | 1-1/16-12 | 1-3/16-12 |
| 93011-12-16 | 1-1/16-12 | 1-7/16-12 |
| 93011-16-08 | 1-5/16-12 | 1-3/16-16 |
| 93011-16-12 | 1-5/16-12 | 1-3/16-12 |
| 93011-16-16 | 1-5/16-12 | 1-7/16-12 |
| 93011-16-20 | 1-5/16-12 | 1-11/16-12 |
| 93011-20-16 | 1-5/8-12 | 1-7/16-12 |
| 93011-20-20 | 1-5/8-12 | 1-11/16-12 |


93411... ORFS 45° Elbow



| Part Number | Male ORB | Male ORFS |
|--------------------|-----------------|------------------|
| 93411-04-04 | 7/16-20 | 9/16-18 |
| 93411-04-06 | 7/16-20 | 11/16-18 |
| 93411-06-04 | 9/16-18 | 9/16-18 |
| 93411-06-06 | 9/16-18 | 11/16-16 |
| 93411-06-08 | 9/16-18 | 13/16-16 |

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|-------------|-----------|------------|
| 93411-08-06 | 3/4-16 | 11/16-16 |
| 93411-08-08 | 3/4-16 | 13/16-16 |
| 93411-08-10 | 3/4-16 | 1-14 |
| 93411-10-08 | 7/8-14 | 13/16-16 |
| 93411-10-10 | 7/8-14 | 1-14 |
| 93411-10-12 | 7/8-14 | 1.3/16-12 |
| 93411-12-12 | 1.1/16-12 | 1.3/16-12 |
| 93411-16-12 | 1.5/16-12 | 1.3/16-12 |
| 93411-16-16 | 1.5/16-12 | 1.7/16-12 |
| 93411-20-20 | 1.5/8-12 | 1.11/16-12 |

93911... ORFS to 90° Elbow

|  | | |
|---|-----------|------------|
| Part Number | Male ORB | Male ORFS |
| 93911-04-04 | 7/16-20 | 9/16-18 |
| 93911-04-06 | 7/16-20 | 11/16-16 |
| 93911-06-04 | 9/16-18 | 9/16-18 |
| 93911-06-06 | 9/16-18 | 11/16-16 |
| 93911-06-08 | 9/16-18 | 13/16-16 |
| 93911-08-06 | 3/4-16 | 11/16-16 |
| 93911-08-08 | 3/4-16 | 13/16-16 |
| 93911-08-10 | 3/4-16 | 1-14 |
| 93911-08-12 | 3/4-16 | 1.3/16-12 |
| 93911-10-08 | 7/8-14 | 13/16-16 |
| 93911-10-10 | 7/8-14 | 1-14 |
| 93911-10-12 | 7/8-14 | 1.3/16-12 |
| 93911-12-06 | 1.1/16-12 | 11/16-16 |
| 93911-12-08 | 1.1/16-12 | 13/16-16 |
| 93911-12-12 | 1.1/16-12 | 1.3/16-12 |
| 93911-12-16 | 1.1/16-12 | 1.7/16-12 |
| 93911-16-12 | 1.5/16-12 | 1.3/16-12 |
| 93911-16-16 | 1.5/16-12 | 1.7/16-12 |
| 93911-20-16 | 1.5/8-12 | 1.7/16-12 |
| 93911-20-20 | 1.5/8-12 | 1.11/16-12 |

93T91... ORFS to Tee



| Part Number | Male ORB | Male ORFS |
|--------------------|-----------------|------------------|
| 93T91-04-04 | 7/16-20 | 9/16-18 |
| 93T91-06-06 | 9/16-18 | 11/16-16 |
| 93T91-08-08 | 3/4-16 | 13/16-16 |
| 93T91-10-10 | 7/8-14 | 1-14 |
| 93T91-12-12 | 1-1/16-12 | 1-3/16-12 |
| 93T91-16-16 | 1-5/16-12 | 1-7/16-12 |
| 93T91-20-20 | 1-5/8-12 | 1-11/16-12 |