

# TTMA Series Flange Adapters

|                      |  |
|----------------------|--|
| Application:         | Provides a simple and easy way to convert threaded components to standard TTMA flange configurations. The Dixon™ TTMA flange adapters have a round TTMA flange on one end with either a male or female NPT thread on the other.  |
| Standards:           | Flange connections are manufactured to connect with the TTMA (Tank Truck Manufacturers Association) flange pattern, see below for flange dimensions.   |
| Materials:           | Machined one-piece cast aluminum   |
| Features & Benefits: | <ul style="list-style-type: none"> <li>• Solid cast aluminum is more durable than welded fabrications</li> <li>• Compact size reduces the overall space needed for installation</li> <li>• 3" or 4" round TTMA flange pattern with either 3" or 4" male or female NPT</li> </ul> |



TTF4AL-4MT



TTF4AL-3EMT



TTF4AL-4FT

| Part #              | Description  |
|---------------------|--|
| <b>TTF3AL-3MT</b>   | 3" TTMA flange x 3" male NPT, 2½" overall length             |
| <b>TTF4AL-3MT</b>   | 4" TTMA flange x 3" male NPT, 2½" overall length             |
| <b>TTF4ALHC-3MT</b> | 4" TTMA flange x 3" male NPT, 2½" overall length, hardcoated |
| <b>TTF4AL-3EMT</b>  | 4" TTMA flange x 3" male NPT, 5½" overall length             |
| <b>TTF4AL-3FT</b>   | 4" TTMA flange x 3" female NPT, 2½" overall length           |
| <b>TTF4AL-4MT</b>   | 4" TTMA flange x 4" male NPT, 2½" overall length             |
| <b>TTF4ALHC-4MT</b> | 4" TTMA flange x 4" male NPT, 2½" overall length, hardcoated |
| <b>TTF4AL-4EMT</b>  | 4" TTMA flange x 4" male NPT, 5½" overall length             |
| <b>TTF4AL-4FT</b>   | 4" TTMA flange x 4" female NPT, 2½" overall length           |

## Flange Gaskets

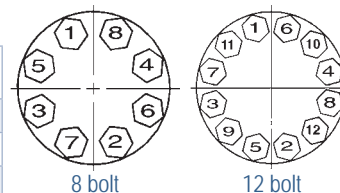
|              |  |
|--------------|--|
| Application: | Creates a leak-tight connection between two bolted together flange faces.  |
| Standards:   | TTMA flange gaskets are manufactured to seal with flanges produced to the 3" or 4" TTMA (Tank Truck Manufacturers Association) flange pattern. |
| Materials:   | PTFE, Klingersil® or Cork/Buna   |



| Part #                            | Size | Description                           | OD       | ID      | Thickness | Bolt Circle |
|-----------------------------------|------|---------------------------------------|----------|---------|-----------|-------------|
| <b>Round TTMA Flange Gaskets</b>  |      |                                       |          |         |           |             |
| <b>300GTTFCB</b>                  | 3"   | TTMA - Cork/Buna                      | 5-5/8"   | 3½"     | 1/8"      | 4-7/8"      |
| <b>300GTTFTK</b>                  | 3"   | PTFE envelope with Klingersil® filler | 5-5/8"   | 3½"     | 1/16"     | 4-7/8"      |
| <b>300GTTFK</b>                   | 3"   | Klingersil® nylon                     | 5-5/8"   | 3½"     | 1/8"      | 4-7/8"      |
| <b>40321TF</b>                    | 3"   | TTMA - PTFE with soft fiber core      | 5-29/32" | 3½"     | 3/32"     | 4-7/8"      |
| <b>400GTTFCB</b>                  | 4"   | TTMA - Cork/Buna                      | 6-5/8"   | 4-9/16" | 1/8"      | 5-7/8"      |
| <b>400GTTFTK</b>                  | 4"   | PTFE envelope with Klingersil® filler | 6-5/8"   | 4-9/16" | 1/16"     | 5-7/8"      |
| <b>400GTTFK</b>                   | 4"   | Klingersil® nylon                     | 6-5/8"   | 4-9/16" | 1/8"      | 5-7/8"      |
| <b>40322TF</b>                    | 4"   | TTMA - PTFE with soft fiber core      | 6-7/8"   | 4-5/8"  | 3/32"     | 5-7/8"      |
| <b>Square TTMA Flange Gaskets</b> |      |                                       |          |         |           |             |
| <b>300GDBSQCB</b>                 | 3"   | Square TTMA - cork/Buna               | 4½"      | 3⅜"     | 1/8"      |             |
| <b>300GDBSQK</b>                  | 3"   | Square TTMA - Klingersil® nylon       | 4½"      | 3⅜"     | 1/16"     |             |
| <b>300GDBSQE</b>                  | 3"   | Square TTMA - white EPDM              | 4½"      | 3⅜"     | 1/8"      |             |

## Round TTMA Flange Dimensions

| Nominal Pipe Size | Flange OD | Aluminum Flange Thickness | Diameter of Bolt Circle | Number of Bolts | Diameter of Bolt Holes | Diameter of Bolts Used |
|-------------------|-----------|---------------------------|-------------------------|-----------------|------------------------|------------------------|
| 3"                | 5-5/8"    | 3/8"                      | 4-7/8"                  | 8               | 7/16"                  | 3/8"                   |
| 4"                | 6-5/8"    | 3/8"                      | 5-7/8"                  | 8               | 7/16"                  | 3/8"                   |
| 6"                | 8-7/8"    | 3/8"                      | 8-1/8"                  | 12              | 7/16"                  | 3/8"                   |



# Tube Doors

## Hose Tube Doors

|                                 |   |
|---------------------------------|---|
| <b>Application:</b>             | When not in use fuel delivery hoses are often stored in tubes that run the length of the tanker. A welded cap on one end and a hinged tube door welded on the other end keep the hoses in the storage tubes.  |
| <b>Standards:</b>               | Manufactured to weld to 6", 7" or 8" hose tubes   |
| <b>Materials:</b>               | Aluminum body, Buna seals, stainless steel door closure spring and hardware, nylon bushings   |
| <b>Features &amp; Benefits:</b> | <ul style="list-style-type: none"> <li>• Pad-lockable</li> <li>• Keeps fuel delivery hoses neatly and safely stored in the designated storage tubes</li> <li>• Protects expensive delivery hoses and fittings from road dirt, salt and other environmental factors</li> </ul> |



TDF6



TDF7

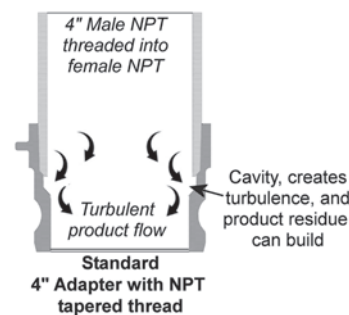
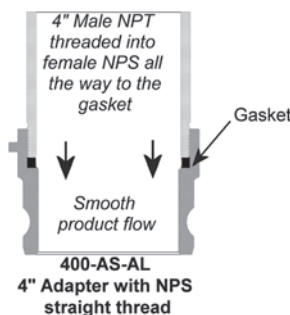


TDF8

| Part #      | Description       |
|-------------|-------------------|
| <b>TDF6</b> | 6" hose tube door |
| <b>TDF7</b> | 7" hose tube door |
| <b>TDF8</b> | 8" hose tube door |

# Cam and Groove with Straight Thread (NPSM)

|                                 |  |
|---------------------------------|--|
| <b>Application:</b>             | Used to connect dry bulk product hoses. Standard threaded cam and groove fittings have a tapered thread, which when threaded to another tapered thread, leaves exposed thread within the product flow path. The cavity left by the exposed thread not only causes product turbulence, but it also is a place where product can build up. When the Dixon™ cam and groove with female straight threads is threaded onto a male tapered thread (NPT), the male tapered thread threads all the way to the bottom of the thread cavity, creating a smooth product path. This reduces product turbulence and build-up. |
| <b>Standards:</b>               | Interchanges with all product produced to commercial Item description A-A-59326B. Threads are machined to the NPSM standard.   |
| <b>Materials:</b>               | Aluminum, cork/buna adapter gasket, buna coupler gasket  |
| <b>Features &amp; Benefits:</b> | <ul style="list-style-type: none"> <li>• No exposed threads within the product flow, reduces product turbulence and product build up.</li> <li>• Precision machined to rigid tolerances</li> <li>• Durable stainless steel cam arm pins will not rust or bind, for greater strength and safety</li> <li>• Recess holds coupler gasket firmly in place - ensures proper placement</li> </ul>  |



| Part #                      | Description  |
|-----------------------------|--|
| <b>400-AS-AL</b>            | 4" cam and groove adapter with female NPSM (straight thread) |
| <b>400GAGFI</b>             | replacement cork/buna thread gasket for 400-AS-AL            |
| <b>ADS400</b>               | 4" cam and groove coupler with female NPSM (straight thread) |
| <b>400-G-BU<sup>1</sup></b> | replacement buna coupler gasket for ADS400                   |

<sup>1</sup> Other material coupler gaskets are available, please contact Dixon™.  
 • Please contact Dixon™ for other materials and configurations.