**FLANGE ISOLATING GASKET KITS**

P. O. Box 60399 • Lafayette, Louisiana 70596-0399
800-315-6009 • 337-233-6116 • FAX: 337-232-3860
Email: sales@apsonline.com • Website: www.apsonline.com

**TO ORDER PLEASE SPECIFY THE FOLLOWING**
- Gasket Type D, E or F
- Flange Size and Pressure Rating
- Single Washer or Double Washer Sets (SW or DW)
- Sleeve Material
- Retainer Material
- Sealing Element (Nitrile®, Viton® or PTFE)

**OTHER QUALITY PRODUCTS AVAILABLE FROM ADVANCE PRODUCTS & SYSTEMS, LLC**
- Flange Band Protectors - Stainless Steel & Kleerband®
- Radoloid® Nut & Bolt Protector Caps
- Casing Spacers and End Seals
- Specially Products Manufactured of Phenolic and other materials
- Innerlyn® - Wall/Pipe Penetration Seals & Wall Sleeves
- Isojoint® - Monolithic Isolating Joints
- Foreman Nite Caps
- Duoco® Centralizers
- Safety Spray Shields
- UBolt-Cote®
- Flange Band Protectors - Stainless Steel & Kleerband®
- Radoloid® Nut & Bolt Protector Caps
- Casing Spacers and End Seals
- Specially Products Manufactured of Phenolic and other materials
- Innerlyn® - Wall/Pipe Penetration Seals & Wall Sleeves
- Isojoint® - Monolithic Isolating Joints
- Foreman Nite Caps
- Duoco® Centralizers
- Safety Spray Shields
- UBolt-Cote®

Advance Products & Systems, LLC is not responsible for errors printed in this brochure.

Advance Products & Systems, LLC shall have no responsibility for any one or more of such alleged products unless such alleged products are grossly erroneous, and such gross errors are specifically described in the written order, or in connection with the product by APS in its distribution, raw or other. The limitations, warranties, provided in this agreement and the obligations and liabilities of APS are the only warranties made by APS as to this product. APS makes no warranties, expressed or implied, and of other obligations or liabilities on the part of APS, on account of the products, nor except as it may otherwise specifically agree in writing, installation, or other work which may be done upon or in connection with the product by APS the distribution, raw or other. The limitations, warranties, provided in this agreement and the obligations and liabilities of APS are the only warranties made by APS as to this product. APS makes no warranties, expressed or implied, and of other obligations or liabilities on the part of APS, on account of the products, nor except as it may otherwise specifically agree in writing.
**FLANGE ISOLATING GASKET KITS**

**HIGH TEMPERATURE PRODUCTS • SPECIAL APPLICATIONS • PACKAGING**

**INTRODUCTION**

With the economic and environmental climate of today, it is more important than ever to prevent leakage in your carrier system. Flanges, the most common trouble area, need to be sealed properly to prevent this leakage and must also be cathodically isolated to prevent stray currents which cause undo corrosion and eventual break down of the metal.

Advance Products & Systems manufactures and maintains a supply of quality products and materials which can help solve most flange sealing problems from eliminating leakage to preventing corrosion, and saving the integrity of the pipeline.

**HIGH TEMPERATURE PRODUCTS**

- **GASKETS:** NEMA grades G-3, G-7, G-10, G-11, Durabla and Durlon
- **SLEEVES:** Nomex, NEMA grades G-7 and G-10, Durabla, Durlon
- **WASHERS:** NEMA grades G-7 and G-10, Durabla, Durlon

Other high temperature materials are available upon request. It is recommended that the factory be contacted to discuss technical data on the above referenced products.

**SPECIAL APPLICATION**

Advance Products and Systems, LLC is well equipped to make those special isolation pads and gaskets sometimes required for odd shaped connections. We can manufacture any configuration or design needed.

These applications include special closures, vaults, steel boxes, special connectors and utility and light poles.

If it needs to be sealed, we can be of service.

**PACKAGING**

Each Advance flange isolation gasket kit is packaged individually in durable corrugated boxes. Isolating sleeves and washers are packaged separately and are cushioned within the box to protect them from damage during shipment. Each set is clearly tagged with flange size, pressure rating, type of isolating sleeve and whether it is a single washer or double washer set. A recommended bolt tightening sequence is provided with each kit.
ISOLATING SLEEVES & WASHERS

Isolating sleeves manufactured in various materials and sizes, with standard 1/32” wall thickness, are available to meet every customer’s needs. Also available are one-piece integral sleeves and washers which are made of Minlon, providing superior compression strength. G-10 sleeves are also stock items.

With each isolating washer, an S.A.E. standard 1/32” wall thickness, are available in basic oval as well as octagonal shape. Also available are BX gaskets with pressure ratings to 15,000 PSI. Made to API specifications. Unless otherwise specified, Advance Products Isolation Gasket Kits are manufactured according to ANSI B16.5 schedule STD or higher bore weld neck flanges up to 24”. Above 24”, please provide the specifications of your flange using our convenient worksheet. Technical assistance is available upon request.

Technical assistance is available upon request.

Radolid® protection caps.

Radolid® protection caps from APS protect nuts and bolts from destructive corrosion. Caps are easily pressed onto the bolted joints by hand, snapping into place when in position. We recommend loading caps with APS’ Kleergel®, a high-melt corrosion inhibitor grease, for added protection.

**Radolid® Protection Caps**

Radolid® protection caps from APS protect nuts and bolts from destructive corrosion. Caps are easily pressed onto the bolted joints by hand, snapping into place when in position. We recommend loading caps with APS’ Kleergel®, a high-melt corrosion inhibitor grease, for added protection.

**Kleerband® Flange Protectors**

An additional high level of corrosion protection can be attained with the use of Kleerband® flange protectors, stainless steel flange protectors and Radolid® protection caps. Flange protectors and corrosion inhibitor grease are recommended on all isolated flanges. By encapsulating the flange cavity with the flange protector and injecting our corrosion inhibitor grease, you can rely on your cathodic protection system to provide you with years of trouble free service. This system totally eliminates any possibility of foreign material lodging between the faces of your flange or corrosion bridging across and creating a short.

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-3**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-10**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-7**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa

**G-11**

- **Nominal**: 1/4 to 2
- **Maximum**: 200 PSI
- **Temperature**: -80 to 121°F (-62 to 50°C)
- **Modulus of Elasticity**: 4100 MPa
Inside Seals Are The First Layer Of Protection

Outside Seals Are The Second Layer Of Protection

Cross Section Of The Duplex Seal Trojan Sealing Gasket

TROJAN SEALING GASKETS

For dependable static sealing, the Trojan gasket is a must. The elastomer sealing element is encapsulated in the electrically isolated retainer. Our most popular sealing element materials are Nitrile (-60°/240 °F min./max. operating temperature), Viton (-75°/400 °F), and PTFE (-425°/450 °F). The encapsulation of the sealing element permits only micro-exposure of the seal to hostile environments, chemicals and corrosive fluids.

The controlled confinement of the elastomer sealing ring within the retainer allows the availability of a 92% to 94% filled volume groove. A consistent controlled pressure seal can always be obtained without tremendous bolt loads. Reduced loads allow for reduced flange thickness with smaller circles and smaller bolt holes.

The cross section of APS’ Trojan Sealing Gasket (A) shows the elastomer sealing element as it appears before compression between flanges. This compression causes the seal to effectively fill the void of the groove and encapsulate, (B) permitting only micro-exposure of the actual seal to hostile elements either from within or without.

Available Sealing Element Materials

<table>
<thead>
<tr>
<th>Element</th>
<th>Min Temp</th>
<th>Max Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrile</td>
<td>-60°</td>
<td>240°</td>
</tr>
<tr>
<td>Viton</td>
<td>-75°</td>
<td>400°</td>
</tr>
<tr>
<td>PTFE</td>
<td>-425°</td>
<td>450°</td>
</tr>
</tbody>
</table>

ADVANTAGES OF THE TROJAN & TROJAN II

- Can be utilized with mismatched flanges
- Can be utilized with misaligned flanges
- Can be used in place of RTJ rings
- Little initial torque required
- No re-torquing required
- Sealing ring cannot be left out
- Reusable
- Seal design tested for high pressures. Please consult factory for specific pressures
- Competitive price
- Limited area of seal exposed
- Compensates for pressure fluctuations, compression changes, vibrations, temperature, etc.
- Greatly reduces human error during installation
- Large selection of materials available
- Three to four times the dielectric strength necessary
- Low installation and maintenance costs
- Gaskets through 144”

WHY A DUPLEX SEAL?

The use of duplex seals on gaskets is primarily for two reasons: one, in the case that flange faces are slightly out of tolerance, the secondary seal will increase the chances of a successful seal. Two, the duplex seals can help in the circumstance of a seal groove (present) or a change of ID dimension of the two elements being connected. In the case that one of the sealing elements is not being compressed, the other one will be sufficient to accomplish a complete seal between flanges (as it did on past applications where dual seals were not standard practice).

THE TROJAN

THE TROJAN II

DUPLEX SEAL TROJAN

Four seals on the new Duplex Seal Trojan further ensure the integrity of the sealing capability of an already proven reliable gasket. For areas where absolute zero leakage is a must, the Duplex Seal Trojan works twice as hard.
Inside Seals Are The First Layer Of Protection
Outside Seals Are The Second Layer Of Protection

Cross Section Of The Duplex Seal Trojan Sealing Gasket

Trojan: Before Tightening
Trojan II: Before Tightening
Trojan: After Tightening
Trojan II: After Tightening

Electrically Isolated Retainer
Elastomer Sealing Element

Available Sealing Element Materials
<table>
<thead>
<tr>
<th>SEALING ELEMENTS</th>
<th>°F</th>
<th>°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>NITRILE</td>
<td>240</td>
<td>115.555</td>
</tr>
<tr>
<td>VITON</td>
<td>400</td>
<td>204.44</td>
</tr>
<tr>
<td>EPDM</td>
<td>450</td>
<td>232.22</td>
</tr>
<tr>
<td>PTFE</td>
<td>425</td>
<td>221.11</td>
</tr>
</tbody>
</table>

ADVANTAGES OF THE TROJAN & TROJAN II
- Seal design tested for high pressures. Please consult factory for specific pressures
- Competitive price
- Limited area of seal exposed
- Compares for pressure fluctuations, compression changes, vibrations, temperature, etc.
- Greatly reduces human error during installation
- Large selection of materials available
- Three to four times the dielectric strength necessary
- Low installation and maintenance costs
- Gaskets through 144”

THE TROJAN

THE TROJAN II

DUPLEX SEAL TROJAN

Four seals on the new Duplex Seal Trojan further ensure the integrity of the sealing capability of an already proven reliable gasket. For areas where absolute zero leakage is a must, the Duplex Seal Trojan works twice as hard.

WHY A DUPLEX SEAL?
The use of duplex seals on gaskets is primarily for two reasons: one, in the case that flange faces are slightly out of tolerance, the secondary seal will increase the chances of a successful seal. Two, the duplex seals can help in the circumstance of a seal groove (present) or a change of ID dimension of the two elements being connected. In the case that one of the sealing elements is not being compressed, the other one will be sufficient to accomplish a complete seal between flanges (as it did on past applications where dual seals were not standard practice).
**ISOLATING SLEEVES & WASHERS**

Isolating sleeves manufactured in various materials and sizes, with standard 1/32” wall thickness, are available to meet every customer’s needs. Also available are one-piece integral sleeves and washers which are made of Mlinon, providing superior compression strength. G-10 integral sleeves are available in sizes through 1-1/2” and Minlon integral sleeves are available in sizes through 1”. A variety of high temperature sleeves are also stock items.

With each isolating washer, an S.A.E. standard 1/32” wall thickness, are available to meet every customer’s needs. Also available are one-piece integral sleeves and washers which are made of Mlinon, providing superior compression strength. G-10 integral sleeves are available in sizes through 1-1/2” and Minlon integral sleeves are available in sizes through 1”. A variety of high temperature sleeves are also stock items.

With each isolating washer, an S.A.E. standard 1/32” wall thickness, are available to meet every customer’s needs. Also available are one-piece integral sleeves and washers which are made of Mlinon, providing superior compression strength. G-10 integral sleeves are available in sizes through 1-1/2” and Minlon integral sleeves are available in sizes through 1”. A variety of high temperature sleeves are also stock items.

**KLEERBAND® FLANGE PROTECTORS**

An additional high level of corrosion protection can be attained with the use of Kleerband® flange protectors, stainless steel flange protectors and Radolid® protection caps. Flange protectors and corrosion inhibitor grease are recommended on all isolated flanges. By encapsulating the flange cavity with the flange protector and injecting our corrosion inhibitor grease, you can rely on your cathodic protection system to provide you with years of trouble free service. This system totally eliminates any possibility of foreign material lodging between the faces of your flange or corrosion bridging across and creating a short.

**RADOIL® PROTECTION CAPS**

Radolid® protection caps from APS protect nuts and bolts from destructive corrosion. Caps are easily pressed onto the bolted joints by hand, snapping into place when in position. We recommend loading caps with APS’ Kleergel®, a high-melt corrosion inhibitor grease, for added protection.

**Isolating Material**

<table>
<thead>
<tr>
<th>Isolating Material</th>
<th>Dielectric Strength</th>
<th>Operating Temperature</th>
<th>Max Continuous Operating Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mylar</td>
<td>4,000</td>
<td>-65 °F/-54 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>Mlinon</td>
<td>1,200</td>
<td>-60 °F/-51 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>Nomex</td>
<td>500</td>
<td>-75 °F/-59 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>G-10</td>
<td>550</td>
<td>266 °F/130 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>G-3</td>
<td>357</td>
<td>230 °F/115 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>G-7</td>
<td>550</td>
<td>228 °F/120 °C</td>
<td>29,000</td>
</tr>
<tr>
<td>G-11</td>
<td>550</td>
<td>302 °F/150 °C</td>
<td>29,000</td>
</tr>
</tbody>
</table>

**Types of Retainers**

<table>
<thead>
<tr>
<th>Types of Retainers</th>
<th>Type D</th>
<th>Type E</th>
<th>Type F</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>2.00</td>
<td>11,000</td>
<td>34,000</td>
</tr>
<tr>
<td>G-3</td>
<td>2.00</td>
<td>12,000</td>
<td>36,000</td>
</tr>
<tr>
<td>G-7</td>
<td>0.19</td>
<td>25,000</td>
<td>40,000</td>
</tr>
<tr>
<td>G-10</td>
<td>0.10</td>
<td>51,000</td>
<td>66,000</td>
</tr>
<tr>
<td>G-TDN</td>
<td>0.10</td>
<td>51,000</td>
<td>66,000</td>
</tr>
<tr>
<td>XP</td>
<td>1.50</td>
<td>18,000</td>
<td>45,000</td>
</tr>
<tr>
<td>XP</td>
<td>1.50</td>
<td>18,000</td>
<td>45,000</td>
</tr>
</tbody>
</table>

**Technical assistance** is available upon request.

Unless otherwise specified, Advance Products Isolating Gasket Kits are manufactured according to ANSI B16.5 schedule STD or higher bore weld neck flanges up to 24”. Above 24”, please provide the specifications of your flange using our convenient worksheet. Technical assistance is available upon request.

**FLANGE ISOLATING GASKET KITS**

**Type D**

Type D gaskets are specifically designed to fit into the ring groove of ring-type-join flanges. They are manufactured of medium weave, fabric-reinforced phenolic material and are sized to ANSI and API specifications. Type D gaskets are available in basic oval as well as octagonal shape. Also available are BX gaskets with pressure ratings to 15,000 PSI. Made to API specifications.

**Type E**

Type E gaskets are available in basic oval as well as octagonal shape. Also available are BX gaskets with pressure ratings to 15,000 PSI. Made to API specifications.

**Type F**

Type F gaskets are made to fit the raised face portion of the flange only. As there are no bolt holes in the F gasket, the inside diameter of the bolt hole circle is slightly smaller than the outside diameter of the gasket, assuring an exact, automatic positioning of the gasket. Type F gaskets are available in the same materials as the type E gasket. Standard thickness of 1/8”.

**Types of Retainers**

<table>
<thead>
<tr>
<th>Types of Retainers</th>
<th>Type D</th>
<th>Type E</th>
<th>Type F</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>2.00</td>
<td>11,000</td>
<td>34,000</td>
</tr>
<tr>
<td>G-3</td>
<td>2.00</td>
<td>12,000</td>
<td>36,000</td>
</tr>
<tr>
<td>G-7</td>
<td>0.19</td>
<td>25,000</td>
<td>40,000</td>
</tr>
<tr>
<td>G-10</td>
<td>0.10</td>
<td>51,000</td>
<td>66,000</td>
</tr>
<tr>
<td>G-TDN</td>
<td>0.10</td>
<td>51,000</td>
<td>66,000</td>
</tr>
<tr>
<td>XP</td>
<td>1.50</td>
<td>18,000</td>
<td>45,000</td>
</tr>
<tr>
<td>XP</td>
<td>1.50</td>
<td>18,000</td>
<td>45,000</td>
</tr>
</tbody>
</table>

**Technical assistance** is available upon request.

Unless otherwise specified, Advance Products Isolating Gasket Kits are manufactured according to ANSI B16.5 schedule STD or higher bore weld neck flanges up to 24”. Above 24”, please provide the specifications of your flange using our convenient worksheet. Technical assistance is available upon request.
**INTRODUCTION**

With the economic and environmental climate of today, it is more important than ever to prevent leakage in your carrier system. Flanges, the most common trouble area, need to be sealed properly to prevent this leakage and must also be cathodically isolated to prevent stray currents which cause undo corrosion and eventual break down of the metal.

Advance Products & Systems manufactures and maintains a supply of quality products and materials which can help solve most flange sealing problems from eliminating leakage to preventing corrosion, and saving the integrity of the pipeline.

**HIGH TEMPERATURE PRODUCTS**

GASKETS: NEMA grades G-3, G-7, G-10, G-11, Durabla and Durlon

SLEEVES: Nomex, NEMA grades G-7 and G-10, Durabla, Durlon

WASHERS: NEMA grades G-7 and G-10, Durabla, Durlon

Other high temperature materials are available upon request. It is recommended that the factory be contacted to discuss technical data on the above referenced products.

**SPECIAL APPLICATION**

Advance Products and Systems, LLC is well equipped to make those special isolation pads and gaskets sometimes required for odd shaped connections. We can manufacture any configuration or design needed.

These applications include special closures, vaults, steel boxes, special connectors and utility and light poles.

If it needs to be sealed, we can be of service.

**PACKAGING**

Each Advance flange isolation gasket kit is packaged individually in durable corrugated boxes. Isolating sleeves and washers are packaged separately and are cushioned within the box to protect them from damage during shipment. Each set is clearly tagged with flange size, pressure rating, type of isolating sleeve and whether it is a single washer or double washer set. A recommended bolt tightening sequence is provided with each kit.
TO ORDER PLEASE SPECIFY THE FOLLOWING

- Gasket Type D, E or F
- Flange Size and Pressure Rating
- Single Washer or Double Washer Sets (SW or DW)
- Sleeve Material
- Retainer Material
- Sealing Element (Nitrile®, Viton® or PTFE)

OTHER QUALITY PRODUCTS AVAILABLE FROM ADVANCE PRODUCTS & SYSTEMS, LLC

- Flange Band Protectors - Stainless Steel & Kleerband®
- Radoloid® Nut & Bolt Protector Caps
- Casing Spacers and End Seals
- Specially Products Manufactured of Phenolic and other materials
- Innerlyn® - Wall/Pipe Penetration Seals & Wall Sleeves
- Isojoint® - Monolithic Isolating Joints
- Foreman Nite Caps
- Duocon® Centralizers
- Safety Spray Shields
- UBolt-Cote®

Advance Products & Systems, LLC is not responsible for errors printed in this brochure.

Advance Products & Systems, LLC shall repair or replace (within the limitations of such applicable express written warranty, if any) its products if any product proves defective in materials or workmanship within 12 months from the date of shipment, in lieu of all other obligations or liabilities on the part of APS, on account of the product which it may sell. In no event shall APS be liable for consequential or special damages. Any other obligations or liabilities on the part of APS are the only warranties made by APS as to the product. APS makes no express or other implied warranties, by course of dealing, usage of trade, merchantability, fitness for a particular purpose (whether general or specific), or otherwise.

FLANGE ISOLATING GASKET KITS
ISO-9001:2015 Certified Company - FM537405

Distributed by: