Proven technology and problem solver
When we invented the spiral wound gasket in 1912 there was nothing like it, 100 years later, we deliver the most dynamic seal ever. Today there are thousands of Change gaskets in service. Change is manufactured with proprietary equipment, using a 5 x thicker metal spiral and a unique laser welding process that penetrates completely through the winding so it requires no inner or outer ring. Best of all, it’s proven to perform without fail at least 60% longer than any other gaskets, CGI spiral wound, double jacketed, CMG, or cam profile.

AND THAT’S A GAME CHANGER. CHANGE HISTORY IT’S MADE LIKE NO OTHER, SEALS LIKE NO OTHER AND PERFORMS 60% LONGER! CHANGE, IT’S SAFE. ENGINEERED LIKE NOTHING ELSE TO PERFORM LIKE NOTHING ELSE

THE CHANGE GASKET. UNIQUELY MANUFACTURED.
THE CHANGE GASKET IS AVAILABLE WITH A LOCATING RING IN ALL SIZES—UPON REQUEST.

Features
- Blowout Resistant
- Excellent Tightness
- Excellent Recovery
- Cyclic Conditions
- Good Handleability
- Low Seating stress

Potential to:
- Reduce complexity by eliminating spring washers
- Reduce man hours
- Improve safety by eliminating hot torquing resilient metal-wound gasket that’s designed to deliver the most dynamic seal ever.
- Perform’s without fail at least 60% longer than any other gaskets, CGI spiral wound, double jacketed, CMG, or cam profile.
**Change Gasket Benefits**

<table>
<thead>
<tr>
<th>Change Gasket Benefits</th>
<th>Spiral Wound Gasket</th>
<th>Flexpro (camprofile)</th>
<th>CHANGE Gasket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blowout Resistant</td>
<td>Yes, improved with HT Inc X-750</td>
<td>Yes, HT Inc X750 Recommended</td>
<td>Yes, HT Inc X750 Recommended</td>
</tr>
<tr>
<td>Excellent Tightness</td>
<td>Not in all Sizes/Pressure Ratings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excellent Recovery</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cyclic Conditions</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Low Seating Stress</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Use on Nubbin, when centered</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Flexibility Sealing Pipe Flanges</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Potential to: Reduce Complexity by</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Eliminating Spring Washers</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Potential to: Reduce Man Hours Required for Re-Torque</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Potential to: Improve safety by</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
<tr>
<td>Eliminating Hot Torquing</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
<td>Only with HT Inc X750</td>
</tr>
</tbody>
</table>

**Gasket Constants**

- ASME m: 2.5
- ASME Y: 6,400 psi
- PVRC Gb: 1,124 psi
- PVRC a: 0.25
- PVRC Gs: 16.1 psi

**Cross section**
- Wound like a spiral, faced like a camprofile

**Compression vs. recovery at 18,000 psi (124 mpa) gasket stress**

<table>
<thead>
<tr>
<th>Gasket Style</th>
<th>% compression</th>
<th>% recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change</td>
<td>30</td>
<td>34</td>
</tr>
<tr>
<td>CGI X-750HT</td>
<td>24</td>
<td>34</td>
</tr>
<tr>
<td>CGI, 316SS</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>DJ</td>
<td>26</td>
<td>7</td>
</tr>
<tr>
<td>Kammprofile</td>
<td>25</td>
<td>6</td>
</tr>
</tbody>
</table>

The high level of stored energy gives the Change gasket extremely high recovery. In a compression test against other gaskets, the Change gasket recovered almost five-times better than Camprofile and Double Jacketed gasket.
**Materials**
- 304 & 316 available in 3.2mm and 4.5mm.
- 347 & Inc 625 available in 4.5 mm only.
- Monel also available

**Standard Windings**
- Flexible graphite - Standard
- PTFE and Thermiculite (TH855) also available

**Locating**
- Carbon Steel outer guide ring; tabs for larger OD

**Dimensions**
- Minimum Diameter: 1" ID
- Maximum Diameter: 80" ID

**Thickness**
- 3.2mm Up to 24"
- 4.5mm Above 24"
- Option of 4.5mm between 24 to 40" (engineering discretion) 5mm facing for all gaskets

**Maximum Radial Width**
- Up to 20" ID: 3/4"
- 20" to 40" ID: 1/2"
- 40" to 80" ID: 1"

**Minimum Radial Width**
- 3/8"
- Round, Small (up to 24") ova

**Pressue cs. cycle number**
Across a 24-day, 24-cycle pressure vs thermal cycle test at 608°F (302°C) replicating industry application conditions, the Change gasket lost just 1.5 PSI. Total. Never coming close to the failure point. It outperformed every other gasket tested by at least nine days. And there’s no telling how long it would have kept going if we hadn’t stopped the test.

Waranty exclusion
In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.

**Thermal cycle test – 24 cycles**
Refinery Specified rig and test represents the potential typical number of temperature fluctuations on a refinery over 4 years with no re-torque

- 4" Class 300, RF, B16 studs
- Thermal Cycle Phase
  - Purge and Heat up to 608°F (302°C) at 3.5°F/min (temp chosen so oxidation would not skew results)
  - Pressurize to 480 psi (33 bar)
  - Hold 1 hr
  - Unassisted Cooling to Ambient
  - Repeat 24 times unless gross failure occurs
  - Approximately 24 hours per cycle
  - Record pressure drop every cycle
  - Max allowable P drop: 14.5 ps