The CCS and CCS-L (for lower burst pressures) are precision circular scored reverse buckling rupture disks. When over-pressurized, the domed, solid metal, reverse buckling disks reverse and open along a pre-weakened circular score lines on the down-stream side of the disks. A hinge welded to the disk facilitates relief opening along the score line and retains the disk’s central petal preventing fragmentation even at high burst pressures.

**Features**
- For gas or liquid service
- Designed for non-fragmentation
- Withstands full vacuum
- Suitable for operating pressure to 90% of the marked burst pressure and 95% of the minimum burst pressure (CEN ISO 4126-2 standard pending)
- Damage safety ratio 1.5. A damaged CCS and CCS-L disk will burst at or below 1.5 times its marked burst pressure
- Optimum fatigue resistance in pressure pulsating or cycling conditions
- Recommended for safety relief valve isolation
- Optional fluoropolymer/plastic liners on the process and/or down-stream side of the disk
- For installation in Types SRI-7RS, SRB-7RS, SRB-7FS, S90-7R, SPR-7R, SR-7R, and TR-Series safety heads

**Manufacturing Design Range (MDR)**
The standard MDR for the CCS disk is 0%. The user's requested burst pressure will be the marked burst pressure. Optional MDR's of -5% and -10% may be selected as operating conditions permit. The MDR is applied to the minus side only of the requested burst pressure.
### CCS™ Disk Specifications

Minimum / Maximum Pressure with Rating at 72°F (22°C)

<table>
<thead>
<tr>
<th>Disk Size</th>
<th>CCS</th>
<th>CCS-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>in/mm</td>
<td>psig</td>
<td>Min/Max</td>
</tr>
<tr>
<td>1</td>
<td>25</td>
<td>481/750</td>
</tr>
<tr>
<td>1.5</td>
<td>40</td>
<td>421/600</td>
</tr>
<tr>
<td>2</td>
<td>50</td>
<td>421/500</td>
</tr>
<tr>
<td>3</td>
<td>80</td>
<td>281/500</td>
</tr>
<tr>
<td>4</td>
<td>100</td>
<td>271/500</td>
</tr>
<tr>
<td>6</td>
<td>150</td>
<td>101/200</td>
</tr>
<tr>
<td>8</td>
<td>200</td>
<td>76/150</td>
</tr>
<tr>
<td>10</td>
<td>250</td>
<td>60/100</td>
</tr>
<tr>
<td>12</td>
<td>300</td>
<td>45/75</td>
</tr>
</tbody>
</table>

The hinge attached to the disk is 316ss. Fluoropolymer liners are available at all burst pressures and may be applied to either side or both sides of a CCS or CCS-L Rupture Disk. Liners may not be available for all burst pressures shown.

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### Contact Information

**AMERICAS**
- **Tulsa, OK USA**
  - T: +1 918 622 5950
  - F: +1 918 665 3904
  - E: sales@bsbsystems.com
- **Houston, TX USA**
  - T: +1 713 682 4515
  - F: +1 713 682 5992
  - E: sales@bsbsystems.com
- **Minneapolis, MN USA**
  - T: +1 952 941 0146
  - F: +1 952 941 0646
  - E: sales@bsbipd.com
- **Edmonton, AB Canada**
  - T: +1 780 955 2888
  - F: +1 780 955 3975
  - E: contacts@bsbprocess.com
- **Monterrey, Mexico**
  - T: +011 52 81 8299 5861
  - T: +011 52 81 8299 5862
  - E: sales@bsbsystems.com
- **Sao Paulo, Brasil**
  - T: +55 11 2084 4800
  - F: +55 11 2021 3801
  - E: sales@bsbbrasil.com

**EUROPE, MIDDLE EAST & AFRICA**
- **Limerick, Ireland**
  - T: +353 61 484700
  - F: +353 61 227987
  - E: sales@bsb.ie
- **Düsseldorf, Germany**
  - T: +49 211 930550
  - F: +49 211 3982171
  - E: info@bormann-neupertbsb.de
- **Manchester, UK**
  - T: +44 161 955 4202
  - F: +44 161 870 1086
  - E: sales@bsb-systems.co.uk
- **Moscow, Russia**
  - T: +7 495 747 5916
  - F: +7 499 133 4394
  - E: sales@bsbsystems.ru
- **The Hague, The Netherlands**
  - T: +31 70 362 2136
  - F: +31 70 360 4724
  - E: info@bsbsystems.nl
- **Copenhagen, Denmark**
  - T: +45 3318 9000
  - F: +45 3318 9001
  - E: info@bsbsystems.dk

**ASIA PACIFIC**
- **Singapore**
  - T: +65 6513 9780
  - F: +65 6484 3711
  - E: sales@bsb.com.sg
- **Yokohama, Japan**
  - T: +81 45 450 1271
  - F: +81 45 451 3061
  - E: information@bsb-systems.co.jp
- **Seoul, South Korea**
  - T: +82 2 2636 9110
  - F: +82 2 2636 9120
  - E: sales@bsbsystems.kr
- **Shanghai, China**
  - T: +86 21 6391 2299
  - F: +86 21 6391 2117
  - E: sales@bsbsystems.com
- **Chennai, India**
  - T: +91 44 2450 4200
  - F: +91 44 2450 1056
  - E: sales@bsbsystems.com

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