### Material Table

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>ASTM A216 WCB</td>
</tr>
<tr>
<td>2</td>
<td>Shaft</td>
<td>A276 420</td>
</tr>
<tr>
<td>3</td>
<td>Pin</td>
<td>ASTM A182 F6a</td>
</tr>
<tr>
<td>4</td>
<td>Disc</td>
<td>ASTM A216 WCB</td>
</tr>
<tr>
<td>5</td>
<td>Packing</td>
<td>Graphite</td>
</tr>
<tr>
<td>6</td>
<td>Packing Gland</td>
<td>ASTM A216 WCB</td>
</tr>
<tr>
<td>7</td>
<td>Yoke</td>
<td>ASTM A216 WCB</td>
</tr>
<tr>
<td>8</td>
<td>Body Seat</td>
<td>Overlaid +STL</td>
</tr>
<tr>
<td>9</td>
<td>Disc Seal Ring</td>
<td>ASTM A182 F6a+Graphite</td>
</tr>
<tr>
<td>10</td>
<td>Clamp Ring</td>
<td>ASTM A105</td>
</tr>
</tbody>
</table>

### Butterfly Valve Specifications

<table>
<thead>
<tr>
<th>DN</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>D5</th>
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</thead>
<tbody>
<tr>
<td>50</td>
<td>1.3</td>
<td>0.175</td>
<td>0.99</td>
<td>0.18</td>
<td>0.65</td>
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<tr>
<td>65</td>
<td>1.6</td>
<td>0.218</td>
<td>0.18</td>
<td>0.18</td>
<td>0.65</td>
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<tr>
<td>80</td>
<td>1.9</td>
<td>0.160</td>
<td>0.136</td>
<td>0.18</td>
<td>0.25</td>
</tr>
</tbody>
</table>

### Design & Manufacturing

- API 609
- Flange Face API 641
- ANSI B16.5

### Standards

- ASME B16.5
- Test API 598

### Temperatures

- Maximum Temperature: 645°C
- Max Pressure: 275°C

### Additional Information

- L32.8/ PN25 DN50-DN80
- Assemble Drawing: 2020.12.20