



Operational Procedure - Rev 0

NWP 01 - Rev 1

BMS 51 - ASME B16.5 Jacketed Clad Gaskets (150 - 2500LB)
Dimensions & Tolerances

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| Issued by: | A D Senior |
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Dimensions in millimetres

| Flange Size NPS | Gasket Inside Diameter | GASKET OUTSIDE DIAMETER BY CLASS | | | | | | |
|-----------------|------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|
| | | 150 | 300 | 400 | 600 | 900 | 1500 | 2500 |
| 1/2" | 22.4 | 44.5 | 50.8 | - | 50.8 | - | 60.5 | 66.8 |
| 3/4" | 28.7 | 54.1 | 63.5 | - | 63.5 | - | 66.8 | 73.2 |
| 1" | 38.1 | 63.5 | 69.9 | - | 69.9 | - | 76.2 | 82.6 |
| 1 1/4" | 47.8 | 73.2 | 79.5 | - | 79.5 | - | 85.9 | 101.6 |
| 1 1/2" | 54.1 | 82.6 | 92.2 | - | 92.2 | - | 95.3 | 114.3 |
| 2" | 73.2 | 101.6 | 108 | - | 108 | - | 139.7 | 143 |
| 2 1/2" | 85.9 | 120.7 | 127 | - | 127 | - | 162.1 | 165.1 |
| 3" | 108 | 133.4 | 146.1 | - | 146.1 | 165.1 | 171.5 | 193.8 |
| 4" | 131.8 | 171.5 | 177.8 | 174.8 | 190.5 | 203.2 | 206.5 | 231.9 |
| 5" | 152.4 | 193.8 | 212.9 | 209.6 | 238.3 | 244.6 | 251 | 276.4 |
| 6" | 190.5 | 219.2 | 247.7 | 244.6 | 263.7 | 285.8 | 279.4 | 314.5 |
| 8" | 238.3 | 276.4 | 304.8 | 301.8 | 317.5 | 355.6 | 349.3 | 384.3 |
| 10" | 285.8 | 336.6 | 358.9 | 355.6 | 397 | 431.8 | 431.8 | 473.2 |
| 12" | 342.9 | 406.4 | 419.1 | 416.1 | 454.2 | 495.3 | 517.7 | 546.1 |
| 14" | 374.7 | 447.8 | 482.6 | 479.6 | 489 | 517.7 | 574.8 | - |
| 16" | 425.5 | 511.3 | 536.7 | 533.4 | 562.1 | 571.5 | 638.3 | - |
| 18" | 489 | 546.1 | 593.9 | 590.6 | 609.6 | 635 | 701.8 | - |
| 20" | 533.4 | 603.3 | 651 | 644.7 | 679.5 | 695.5 | 752.6 | - |
| 24" | 641.4 | 714.5 | 771.7 | 765.3 | 787.4 | 835.2 | 898.7 | - |

Tolerances:

| STANDARD TOLERANCES | | |
|---------------------|--------------|--------------|
| SPINNING JOBS | O / D | I / D |
| Up to 7.93mm Flange | + 0 / - 0.80 | + 0.80 / - 0 |
| Over 7.93mm Flange | + 0 / - 1.59 | + 1.59 / - 0 |
| HEAT EXCHANGERS | O / D | I / D |
| Up to 6' Diameter | + 0 / - 1.59 | + 1.59 / - 0 |

On all sizes, thickness tolerance is + 0.40 / - 0

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