

Thomson STYLE 4500

NSF/ANSI 61 Certified
EPDM Rubber Sheet



FEATURES / BENEFITS

- NSF/ANSI 61 Certified and meets/exceeds NSI/AWWA C111/A21.11 compound requirements.
- Custom cut gaskets manufactured by A.R. Thomson Group, an NSF Certified gasket fabricator.

TYPICAL APPLICATIONS

- Drinking water applications.

SPECIFICATIONS

Construction:
EPDM elastomer

Temperature:
Min: -20°F (-29°C)
Max: +250°F (+121°C)

Durometer ASTM D 2240:
75 (+/- 5) Shore A

Colour: Black

See reverse for technical information.

TECHNICAL DATA - STYLE 4500

Physical Properties

| TEST METHOD | TYPICAL PHYSICAL PROPERTIES | |
|-------------|------------------------------|------|
| ASTM D412 | Tensile strength: psi | 1500 |
| ASTM D412 | Elongation: % | 150 |
| | Compression set: % | ≤ 20 |

Bolt Torque Values - Full Face Gaskets on ASME B16.5 Class 150 Flat Face Flanges

| FLANGE SIZE (IN.) | NO. OF BOLTS | BOLT SIZE (IN.) | MIN. REQ'D GASKET STRESS (PSI) | MIN. TORQUE (FT. LBS.) | MAX. AVAIL. GASKET STRESS (PSI) | MAX. TORQUE (FT. LBS.) |
|-------------------|--------------|-----------------|--------------------------------|------------------------|---------------------------------|------------------------|
| 0.5 | 4 | 0.500 | 600 | 11 | 1200 | 23 |
| 0.75 | 4 | 0.500 | 600 | 14 | 1200 | 27 |
| 1 | 4 | 0.500 | 600 | 16 | 1200 | 32 |
| 1.25 | 4 | 0.500 | 600 | 18 | 1200 | 36 |
| 1.5 | 4 | 0.500 | 600 | 21 | 1200 | 42 |
| 2 | 4 | 0.625 | 600 | 37 | 1200 | 74 |
| 2.5 | 4 | 0.625 | 600 | 50 | 1200 | 100 |
| 3 | 4 | 0.625 | 600 | 54 | 1200 | 108 |
| 3.5 | 8 | 0.625 | 600 | 35 | 1200 | 69 |
| 4 | 8 | 0.625 | 600 | 37 | 1200 | 75 |
| 5 | 8 | 0.750 | 600 | 51 | 1200 | 102 |
| 6 | 8 | 0.750 | 600 | 57 | 1200 | 114 |
| 8 | 8 | 0.750 | 600 | 79 | 1200 | 159 |
| 10 | 12 | 0.875 | 600 | 80 | 1200 | 161 |
| 12 | 12 | 0.875 | 600 | 114 | 1200 | 227 |
| 14 | 12 | 1.000 | 600 | 160 | 1200 | 321 |
| 16 | 16 | 1.000 | 600 | 145 | 1200 | 291 |
| 18 | 16 | 1.125 | 600 | 166 | 1200 | 332 |
| 20 | 20 | 1.125 | 600 | 157 | 1200 | 315 |
| 24 | 20 | 1.250 | 600 | 220 | 1200 | 440 |

Note: Recommended torque values are for ASME B16.5 flanges and new, well lubricated, ASTM A193 B7 bolts with ASTM A194 2H nuts and through-hardened washers. For other materials or specifications, please contact the A.R. Thomson Group Engineering department.

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