LoTorq "Sealing made Simple"

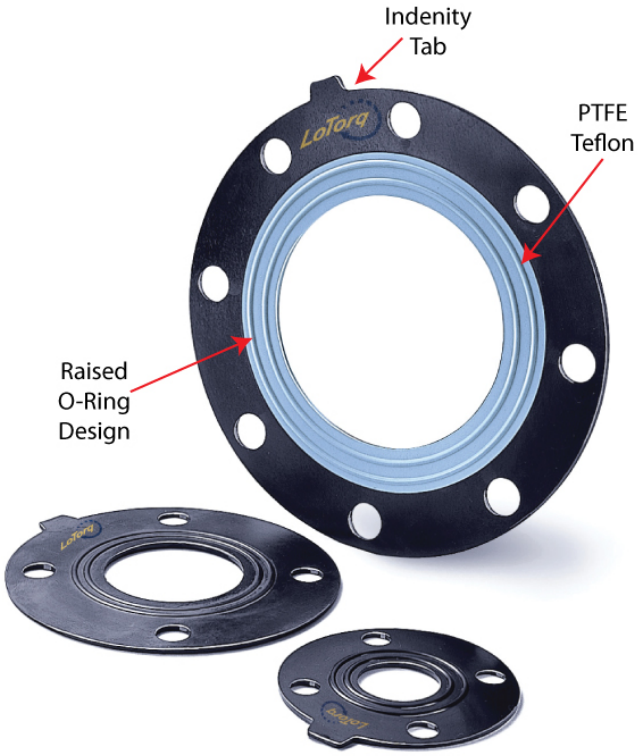
# Full Faced ANSI Flange Gaskets-150lb

## Excellent for Non Metallic Piping System
## PVC, PP, CPVC, PVDF, FRP

**Lotorq LT Series** Low Torque Gaskets are recommended for all types of non-metal piping systems to prevent Initial Flange Breakage due to Bolt over-tightening. *The unique Raised Double Convex Ring Design provides Excellent Sealing with Less than Half Bolt Torque Required for flat face gaskets*. The PTFE gaskets have PTFE sheet material bonded directly to EPDM… Your seal in now **Energized with Increased Elasticity**…

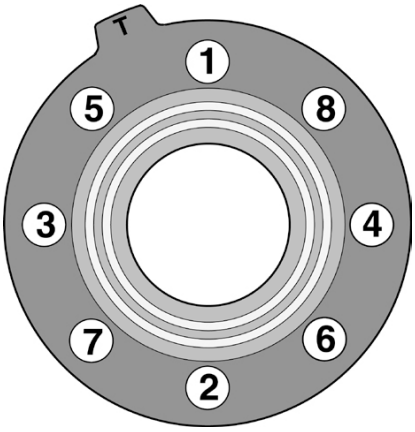
EPDM | PTFE

| | |
|---|---|
| SERIES: | LT |
| SIZES: | EPDM: 1/2″ – 12” |
| | PTFE: 1/2″ – 12 |
| CLASS: | ANSI 150 Full Faced |
| TEMP RANGE: | EPDM: -40° to 90°C (-40° to 194°F) |
| | PTFE (-40° to 248°F) |




## Features

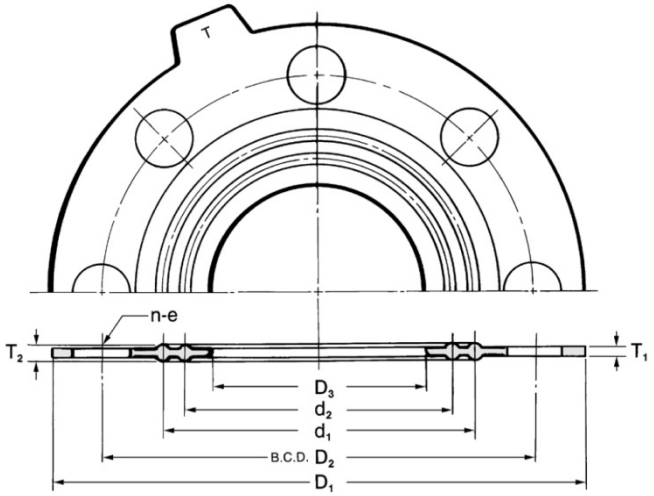
- **Low Flange Bolt Torques Required for Positive Seal** – Due to the molded raised face – patented double convex ring design
- **Ideal for Thermoplastic Piping Systems,** also metal or plastic lined metal pipe systems for up to 250 psi
- **Excellent Chemical Resistance** – PTFE-bonded gaskets are suitable for extremely aggressive chemical services.
- **Longer Gasket Life** – Because lower flange pressures are required for sealing. PTFE is energized forming an excellent seal.
- **Low Torque** – Raised or Ring Design
- **Designed to provide positive seal**
- **No over – Tightening Required**




When installing, it is recommended to tighten flange bolts evenly and in a symmetrical pattern as shown above.

LoTorq "Sealing made Simple"

# LoTorq Full Face ANSI Flange Gaskets




## SAMPLE SPECIFICATIONS

All flange gaskets 1/2" to 12" *are* to be LoTorq **LT Series** molded raised face type with full face ANSI B16.1 (Class 150) dimensions. Material will be pure EPDM (or PTFE (Teflon)-bonded EPDM).

A tab will identify Gasket Material. Raised Convex Molded Rings will provide effective sealing using low bolt torques.

## MATERIAL IDENTIFICATION TAB

**EPDM** = Solid EPDM
**PTFE** = PTFE (Teflon bonded EPDM)

## DUROMETER (HARDNESS)

**EPDM** – Shore A: 65° ± 3°

## DIMENSIONS INCHES

| Size | $D_1$ | $D_2$ | $D_3$ | $d_1$ | $d_2$ | n | e | $T_1$ | $T_2$ |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 3.43 | 2.38 | 0.71 | 1.61 | 1.02 | 4 | 0.63 | 0.12 | 0.16 |
| 3/4" | 3.79 | 2.76 | 0.87 | 1.85 | 1.26 | 4 | 0.63 | 0.12 | 0.16 |
| 1" | 4.17 | 3.13 | 1.18 | 2.09 | 1.50 | 4 | 0.63 | 0.12 | 0.16 |
| 1-1/4" | 4.53 | 3.50 | 1.46 | 2.56 | 1.97 | 4 | 0.63 | 0.12 | 0.16 |
| 1-1/2" | 4.92 | 3.88 | 1.69 | 2.72 | 2.13 | 4 | 0.63 | 0.12 | 0.16 |
| 2" | 5.19 | 4.74 | 2.13 | 3.27 | 2.68 | 4 | 0.75 | 0.12 | 0.16 |
| 2-1/2" | 6.93 | 5.49 | 2.72 | 3.98 | 3.39 | 4 | 0.75 | 0.12 | 0.16 |
| 3" | 7.44 | 6.00 | 3.15 | 4.41 | 3.86 | 4 | 0.75 | 0.12 | 0.20 |
| 4" | 8.94 | 7.50 | 4.02 | 5.43 | 4.72 | 8 | 0.75 | 0.12 | 0.20 |
| 5" | 9.92 | 8.50 | 5.00 | 6.54 | 5.71 | 8 | 0.87 | 0.12 | 0.20 |
| 6" | 10.91 | 9.51 | 5.91 | 7.48 | 6.61 | 8 | 0.87 | 0.12 | 0.20 |
| 8" | 13.43 | 11.71 | 7.80 | 9.72 | 8.50 | 8 | 0.87 | 0.12 | 0.20 |
| 10" | 15.91 | 14.25 | 9.80 | 12.05 | 10.63 | 12 | 0.98 | 0.12 | 0.20 |
| 12" | 18.94 | 17.01 | 11.81 | 13.86 | 12.76 | 12 | 0.98 | 0.12 | 0.20 |

## RECOMMENDED BOLTS TORQUES[1] FT-LB. WEIGHTS LB.

| Size | EPDM Working Pressure | | | | PTFE Working Pressure | | | | EPDM | PTFE |
|---|---|---|---|---|---|---|---|---|---|---|
| | 85 psi | 142 psi | 228 psi | 250 psi[2] | 85 psi | 142 psi | 228 psi | 250 psi[2] | | |
| 1/2" | 9.4 | 13.0 | 14.5 | 18.1 | 10.9 | 14.5 | 15.9 | 18.1 | 0.04 | 0.04 |
| 3/4" | 9.4 | 13.0 | 14.5 | 18.1 | 10.9 | 14.5 | 15.9 | 18.1 | 0.05 | 0.05 |
| 1" | 9.4 | 13.0 | 14.5 | 18.1 | 10.9 | 14.5 | 15.9 | 18.1 | 0.06 | 0.06 |
| 1-1/4" | 10.9 | 13.8 | 16.7 | 21.7 | 13.0 | 15.9 | 18.8 | 21.7 | 0.08 | 0.08 |
| 1-1/2" | 12.3 | 14.5 | 18.1 | 25.4 | 14.5 | 18.1 | 21.7 | 25.4 | 0.09 | 0.09 |
| 2" | 12.3 | 14.5 | 18.1 | 25.4 | 14.5 | 18.1 | 21.7 | 25.4 | 0.12 | 0.12 |
| 2-1/2" | 14.5 | 18.1 | 21.7 | 36.2 | 21.7 | 25.4 | 29.0 | 36.2 | 0.16 | 0.16 |
| 3" | 14.5 | 18.1 | 21.7 | 36.2 | 21.7 | 25.4 | 29.0 | 36.2 | 0.18 | 0.18 |
| 4" | 14.5 | 18.1 | 21.7 | 36.2 | 21.7 | 25.4 | 29.0 | 36.2 | 0.22 | 0.27 |
| 5" | 18.1 | 21.7 | 25.4 | 43.5 | 25.4 | 29.0 | 36.2 | 43.5 | 0.28 | 0.34 |
| 6" | 18.1 | 21.7 | 25.4 | 43.5 | 25.4 | 29.0 | 36.2 | 43.5 | 0.33 | 0.44 |
| 8" | 21.7 | 25.4 | 29.0 | 58.0 | 29.0 | 36.2 | 43.5 | 58.0 | 0.44 | 0.51 |
| 10" | 25.4 | 29.0 | 36.2 | 58.0 | 29.0 | 36.2 | 43.5 | 58.0 | 0.55 | 0.66 |
| 12" | 29.0 | 36.2 | 43.5 | 58.0 | 36.2 | 43.5 | 50.7 | 58.0 | 0.81 | 0.99 |

[1]Bolt torques are for flat face flanges

[2]Maximum recommended torques are those listed for 250 psi service.