

CTS Flange - Nut/Bolt and Gasket Kit Specifications

CTS Nut/Bolt, Gasket Kits are supplied to the following specifications.

CTS Flange requires that users establish the suitability of all products for their own application and assume all risks.

Galvanized Nuts, Bolts and Washers:

- Metric Hexagon commercial bolts
- Thread ISO Metric coarse pitch series
- Thread class 8g
- Property class 4.6
- Dimensions to AS1111-1996

Gaskets:

- Suitable for sealing hot and cold water, steam, Oil, Gases and general mediums
- Complies to BS7531 Grade Y
- AS/NZS:2005 potable drinking water
- TZV (KTW) for cold drinking water
- DVGW for gas supply
- BAM for gas supply

Technical Data

Certificate	DVGW
Marking according to DIN 28 091-2	FA-AM-1-0 (ST)
Marking according to ASTM F 104	F 712 111 M5
Typical parameters of 2mm Thickness Jointings	
Operational pressure and temperature rating	50 bar at 200 °C
Maximum Temperature* - Peak	400 °C
- Continuous	250 °C
- with steam	200 °C
Maximum Pressure*	100 bar
* Maximum pressure and temperature values cannot be used simultaneously	
Density (DIN 28090-2)	1,9 g/cm ³
Compressibility (ASTM F 36)	8%
Recovery (ASTM F 36)	55%
Residual Stress (DIN 52 913/175°C)	30 Nmm ²
Gas Permeability (DIN 3535-6/94)	0,5 Cm ³ /min
Spec. Leak Rate λ (DIN 28090-2)	0,04 mg/s/m
Thickness Increase (ASTM F 146) - IRM 903 OIL Fh/150°C	4%
- ASTM Fuel B 5h/23°C	5%