

# B&D PRODUCTS (HALIFAX) LTD

DATA SHEET #108 for:

## **GM Bossed Screwed Flanges – Based on BS4504 Part 2 (1974)** **Table 16/22 (But with Boss Size Increased to Allow Threading)**

### General:

Bronze (gunmetal) flanges with Boss (Neck). To be used with threaded tubes for water (including potable), other fluids and sanitary applications. Centre Screwed BSP Parallel Thread.

### Pressure-Temperature Ratings:

Nominal Pressure (bar)	Temperature (Degrees C)						
	-200/120	150	180	200	220	250	260
16	Maximum Permissible Working Pressure (bar)						
	16	16	16	13.5	11.3	8	7

Note: Intermediate values may be inferred by linear interpolation.

### Materials:

Cast Gunmetal conforming to BS1400 LG2. (CC491K)

### Finishes:

Machined face (flat face) and edge. Back of boss machined and internally threaded.

### Bolting:

The dimensions and finishes of bolting materials should comply with the following:-

- Studs: BS4439 Grade 4.8
- Hexagon Headed Bolts: BS3692 or BS4190 Grade 4.6
- Stud-bolts: BS4882 Carbon steel.
- Nuts: BS3692, BS4190 Grade 4, or BS4882 Grade 2H/M as appropriate.

Where washers are used, they should conform to BS4320 (1968) Table 3.

### Gaskets:

Inside bolts gaskets should be used, with the material selection made with consideration of the suitability for the fluid, at the intended working temperature and pressure conditions.