

# Champion Graphite Reinforced (Metallic)

## Style 668 M

### PURE EXPANDED GRAPHITE REINFORCED METALLIC GLAND PACKING

High quality carbon yarn for stuffing box with excellent mechanical strength



**Champion Style 668 Graphite Reinforced (Metallic) Packing** is manufactured from high purity flexible graphite that is diagonal braided of pure, expanded flexible graphite ribbons, reinforced with fine metallic wires. It is treated with corrosion inhibitor:

- Proven in high temperature, high-pressure steam service capability.
- Easy installation and extrusion resistance.
- Proper dissipation of heat due to good thermal conductance.
- Excellent sealing performance under extreme conditions.
- High chemical resistance & Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.
- Single wire reinforcement enhances the mechanical strength of the packing.

#### Applications:

**CHAMPION Style 668 Graphite Reinforced (Metallic) Packing** is recommended as a multi-service packing for use in high pressure / high temperature valve stems, steam valves and turbines, motor-actuated valves, reactors, mixers, agitators and autoclaves. Suitable for use with superheated steam and saturated steam, hydrocarbons, petrochemicals, thermic fluids and hot oils.

Champion 668 Metallic is an excellent alternative to high temperature / high pressure asbestos valve packings.

#### Service Media:

Steam, water, fuel, gases, condensate, oils, effluents, process water and chemical solutions in all processes, **except with highly oxidizing media.**

#### How Supplied:

All popular sections from 3mm to 25mm in boxes containing length of 10m or in coil form by meter or 1/2.5 kilograms.

Also supplied as split pre-formed rings and ring sets. Special size and lengths available on request.

#### Spool ordering information

Size		Standard Packaged (± 10%)		
mm	inch	Meter/kg	Meter/box	Kg/coil (Lbs)
3	3/32	74.07	10.00	0.14 (0.30)
4	1/8	41.67	10.00	0.24 (0.52)
5	3/16	26.67	10.00	0.38 (0.83)
6	1/4	19.84	19.84	1 (2.2)
8	5/16	12.50	12.50	1 (2.2)
10	3/8	8.00	8.00	1 (2.2)
12.5	1/2	5.57	5.57	1 (2.2)
14	9/16	4.44	4.44	1 (2.2)
16	5/8	3.72	3.72	1 (2.2)
19	3/4	2.64	6.60	2.5 (5.5)
22	7/8	2.07	5.17	2.5 (5.5)
25	1	1.60	4.00	2.5 (5.5)



#### VALVE STEM DUTIES

##### Maximum Operating Temperature:

+650°C / +1200°F (Steam)

+450°C / +842°F (Oxidising)

##### Minimum Operating Temperature:

-200°C / -328°F

##### Maximum System Pressure:

35 MPa / 350 Bar (5076 psi)

##### Minimum Sleeve Hardness:

30 HRC



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