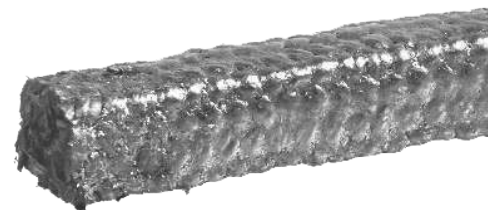
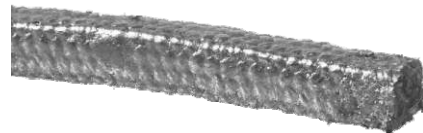


# Champion Carbosuper™

## Style 83G



### CARBON GLAND PACKING

High strength carbon fibre guaranteeing good sliding and thermal properties

**CHAMPION Style 83G Carbon Packing** is tough carbon fibre packing, manufactured from a carbon filament yarn thoroughly impregnated with PTFE/Graphite suspension along with lubricant to enhance seal ability, thermal conductivity, flexibility and low co-efficient of friction.

#### Key Features:

- High mechanical strength.
- Good sliding and thermal properties.
- Resistance to overheating.
- Graphite improves laminar lubrication effect and limits the risk of excessive shaft wear.

#### Applications:

**CHAMPION Style 83G Carbon Packings** are best suited for enhanced sealing at high temperature and pressure applications.

1. Boiler feed pumps, super heat steam, agitators, mixers, digester, crystallizers.
2. Pumps, Valves and other static or dynamic equipment handling corrosive chemicals and abrasive media.

#### Service Media:

Compatible with media in the range pH 0-14 suitable for use with acid, alkali, solvent, boiler feed water, caustic, liquor, oil, gases, hydrocarbons, super-heated steam, solvents, oils, corrosive fluids, and low temperature fluids.

#### How Supplied:

All popular sections from 3mm to 25mm in boxes containing length of 10m or in coil form by meter or 1/2.5/5 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	1/8	61.73	10.00	0.16 (0.35)
4	5/32	39.06	10.00	0.26 (0.57)
5	3/16	25.00	10.00	0.40 (0.88)
6	1/4	18.52	6.00	0.54 (1.19)
8	5/16	10.78	6.00	0.93 (2.05)
10	3/8	6.90	6.00	1.45 (3.19)
12.5	1/2	4.57	3.00	2.19 (4.82)
14	9/16	3.64	3.64	1 (2.2)
16	5/8	2.89	2.89	1 (2.2)
19	3/4	2.13	5.33	2.5 (5.5)
22	7/8	1.59	3.97	2.5 (5.5)
25	1	1.23	3.08	2.5 (5.5)



#### VALVE STEM DUTIES

**Maximum Operating Temperature:**  
+650°C / +1200°F (Steam)  
+460°C / +842°F

**Minimum Operating Temperature:**  
-200°C / -328°F

**Maximum System Pressure:**  
30 MPa / 300 Bar (4350 psi)



#### RECIPROCATING PUMPS AND RAMS

**Maximum Operating Temperature:**  
+460°C / +842°F

**Minimum Operating Temperature:**  
-200°C / -328°F

**Maximum System Pressure:**  
15 MPa / 150 Bar (2175 psi)

**Maximum Rod Speed:**  
2.0 m/s (393 fpm)\*



#### CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

**Maximum Operating Temperature:**  
+460°C / +842°F

**Minimum Operating Temperature:**  
-200°C / -328°F

**Maximum Shaft Speed:**  
2 m/s (393 fpm)

**Maximum System Pressure:**  
2 MPa / 20 Bar (290 psi)

**Minimum Sleeve Hardness:**  
30 HRC

\*Kindly consult Champion Technical Support for higher speed duties.



## CHAMPION SEALS INDIA PRIVATE LIMITED

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