Thomson
HS-3000M

Pure carbon yarn square interbraid construction compression packing for rotary equipment and valves

FEATURES / BENEFITS

- Carbon filament - staple fibers conform to the stuffing box, resists extrusion in high pressure applications and/or worn rotating equipment.
- High speed applications - molybdenum disulphide break-in lubricant offers a more forgiving start up.

All carbon construction:

- Maximizes equipment reliability and performance.
- Provides excellent chemical resistance.
- Energy savings related to less gland load - less friction, reduced gland water required.
- Dissipates heat better than conventional compression packing. Increased MTBR - mean time between repair - less sleeve damage.
- Dimensionally more stable compared to conventional compression packing (less volume loss).

TYPICAL APPLICATIONS

- Rotary equipment - high speed rotary to 4000 fpm, digester related equipment.
- Molybdenum disulphide lubricant - extremely chemical and thermally stable.

SPECIFICATIONS

Construction:
Pure carbon yarn with graphite dispersion lubricant - surface coated with molybdenum disulphide. Square interbraid.

Temperatures:
Min: -328°F (-200°C)
Max:
Atmosphere: to +850°F (+455°C)
Steam: to +1200°F (+650°C)

Pressure, max:
Valves: to 2500 psi (173 bar)
Pumps: to 500 psi (35 bar) rotary

Shaft speed:
4000 fpm (20 m/s)

pH range:
0–14 (except strong oxidizers)

See reverse for ordering information.

ORDERING INFORMATION - HS-3000M

Specify Thomson style, size and quantity (lbs) required.

Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"
Approx. (ft/lb)	140	50	30	21	13	10	8.5	7.0	6.0	4.0	3.4	2.2
Std pkg (lbs)	1	1	5	5	5	5	5	5	5	5/10	10	10

Also available in metric sizes, die formed pre-packaged sets, and specialty cut lengths.
Contact A.R. Thomson Group for any special requirements.

SHAFT SPEED CONVERSATION CALCULATIONS

Feet per minute (fpm)	Meter per second (m/s)
Shaft / sleeve diameter (in) x RPM x 0.262 = fpm	Shaft / sleeve diameter (in) x RPM x 0.0013299 = m/s
Shaft / sleeve diameter (mm) x RPM x 0.0103 = fpm	Shaft / sleeve diameter (mm) x RPM x 0.0000524 = m/s

AUTHORIZED DISTRIBUTOR

A.R. Thomson Group

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