Thomson
HS-4000M

High performance graphite filament compression packing for high speed rotating equipment and high temperature applications

FEATURES / BENEFITS

- High speed capability
- Low friction - runs cooler, lasts longer - reduces flush water (greatly reduce product dilution).
- Broad chemical compatibility 0–14 pH.
- Non-asbestos - reduces handling costs.
- Non-abrasive - sleeves last longer.
- Reduces maintenance and parts costs.
- Maximizes equipment reliability and performance.
- Dissipates heat better than conventional compression packing materials. Increase MTBR - mean time between repair - less sleeve damage.
- Dimensionally stable fiber (less volume loss).

TYPICAL APPLICATIONS

- High profile demanding applications; high speed rotating equipment to 5000+ fpm - for refiners, makeup liquor pumps, boiler feed pumps, condensate, end rings for flexible graphite die formed packing sets.
- Molybdenum disulphide surface coating is extremely chemical and thermally stable.

  Typically recommend installation where the sleeve is in new condition.

SPECIFICATIONS

Construction:
High purity, high srength graphite filament yarn treated with fine graphite powder to seal individual fibers. Surface coated with molybdenum disulphide.
Square interbraid.

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

Pressure, max:
To 500 psi (34.5 bar) rotary
Please contact A.R. Thomson Group for recommendations for valve or reciprocating applications.

Speed:
To 5000 fpm (25.4 m/s)

pH range:
0–14 (except strong oxidizers)

See reverse for ordering information.

ORDERING INFORMATION - HS-4000M

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

Size	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	20mm	7/8"	1"
Approx. (ft/lb)	33	21	16	10.5	8.5	6	4	3.9	3.4	2.2
Std pkg (lbs)	1/5	2/5	1/5	1/5	2/5	5	5/10	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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