Thomson
HS-4000M

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

Specifications

Material:
High purity, high strength graphite filament yarn treated with fine graphite powder to seal individual fibers. Surface coated with molybdenum disulfide.

Construction:
Square Interbraid.

Temperature:
Min: -328˚F (-200˚C)
to +850˚F (+455˚C) in atmosphere
Max: 1,200˚F (650˚F) in Steam

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

Speeds:
to 5,000 fpm (25.4 m/s)

pH range:
0-14 (except strong oxidizers)

Benefits

- High speed capability
- Low friction – runs cooler, lasts longer – reduce flush water (greatly reduce product dilution).
- Broad chemical compatibility 0-14pH.
- Non-Asbestos – reduce handling cost.
- Non-Abrasive – Sleeves last longer.
- Reduce maintenance and parts costs.
- Maximize 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).

Ideal for

1 choice for high profile demanding applications
High speed rotating equipment to 5,000+ fpm - specially suited for refiners, makeup liquor pumps, Boiler feed pumps, condensate, end rings for Flexible Graphite die formed packing sets.
Molybdenum disulphide surface coating extremely chemical & thermally stable.

*Recommend installation where the sleeve is in new condition.

Ordering Information:

Specify: Thomson style, size & 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	16.0	10.5	8.5	6	4.0	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 Conversion Calculations:

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

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