

Thomson HS-3000M

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



Specifications

Material:

Pure carbon yarn with graphite dispersion lubricant - surface coated with molybdenum disulphide

Construction:

Square interbraid

Temperature:

Min: -328°F (-200°C)

Max: +850°F (+455°C) atmosphere,
1200°F (+650°C) steam

Pressure, max:

Valves: to 2500 psi (173 bar)

Pumps: to 500 psi (35 bar) rotary

Shaft speed:

4,000 fpm (20 m/s)

pH range:

0-14 (except strong oxidizers)

Applications

- 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).

Ideal for

Rotary Equipment - high speed rotary to 4,000 fpm,
Digester related equipment
molybdenum disulphide lubricant - extremely chemical & thermally stable.

Ordering Information:

Specify: Thomson style, size & 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 Conversion Calculations:

Feet per minute	Meter per second
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

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