

Thomson SS-78

Abrasion-resistant slurry service, rotating equipment, and valve stem compression packing



FEATURES / BENEFITS

- High strength, high pressure capability - longer life.
- Chemical compatibility - reduces inventory costs.
- Non-asbestos - reduces handling cost.
- Excellent thermal stability.

TYPICAL APPLICATIONS

- Highly abrasive media, high pressure applications, slurries, mining tailings pumps, brines, effluent treatment.
- Compatible with mild acids, mild caustics, oils, low pressure steam, waste water, pulp and paper applications.
- Worn equipment with damaged sleeves, sever radial run out or bent shaft conditions - very resistant to extrusion.
- Very high strength and durable Aramid filament fibers.

SPECIFICATIONS

Construction:

Aramid filament fiber/PTFE dispersion. Square interbraid.

Temperatures:

-200°F (-128°C) to +550°F (+288°C)

Pressure:

To 500+ psi (34 bar). For higher pressures e.g. reciprocating pumps, please contact A.R. Thomson Group.

Speed:

2000 fpm (10 m/s)

pH range:

3–11

See reverse for ordering information.

ORDERING INFORMATION - SS-78

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

| Size | 1/4" | 5/16" | 3/8" | 7/16" | 1/2" | 9/16" | 5/8" | 3/4" | 7/8" | 1" |
|------------------------|------|-------|-----------|-------|------|-------|---------|----------|------|-----|
| Approx. (ft/lb) | 23.1 | 12.8 | 9.1 | 7.3 | 6.2 | 4.8 | 4.2 | 2.9 | 2.1 | 1.5 |
| Std pkg (lbs) | 2/5 | 1/2/5 | 2/5/10/25 | 5 | 5/10 | 5 | 5/10/50 | 10/25/50 | 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 (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 |

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