

# Thomson GC 89

General service compression packing for centrifugal pump, rotating equipment agitators/mixers, reciprocating pumps, and valve service



## FEATURES / BENEFITS

- **Non-abrasive** - long service life.
- **General service** economize on one style.
- **Non-contaminating** - will not affect product.
- **Non-asbestos** - saves handling cost.
- Reduces maintenance costs.

## TYPICAL APPLICATIONS

- Centrifugal or reciprocating pumps, valves.
- Medium acids and alkalis, petroleum and synthetic oils, steam, aromatic and aliphatic solvents and dry gas applications. Good chemical resistance.
- Where a clean 'white' non-contaminating packing is preferred.
- Rotating equipment - general service applications, agitators/mixers, pumps and valves.

## SPECIFICATIONS

### Construction:

Teflon<sup>®</sup> impregnated, acrylic yarn with unique break-in lubricant. Single yarn encapsulation for superior protection from chemical attack. Square interbraid.

### Temperatures:

-170°F (-112°C) to +550°F (+288°C)

### Pressures, max:

To 500 psi (34.4 bar) rotary

Up to 2500 psi (172 bar) in valve service

### Speed:

2500+ fpm (12.7 m/s)

### pH range:

0–12

See reverse for ordering information.

## ORDERING INFORMATION - GC 89

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

Size	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"
<b>Approx. (ft/lb)</b>	45	26	16	13.1	9.8	7.1	6.3	4.6	2.7	2.3	1.8
<b>Std pkg (lbs)</b>	2	2	2/5	5	5	5/10/25	5	5/10	10/25	10	10/25

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

## AUTHORIZED DISTRIBUTOR

**Limitation of liability:** actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.



Locations across Canada to serve you. For your nearest branch, please visit [www.arthomson.com](http://www.arthomson.com)

Copyright © A.R. Thomson Group - All rights reserved. v1.2