

Tamping Tools

To suit Slurry Pumps

Superior Installation Tools:

Compression packing used in heavy duty slurry pump applications must be correctly installed to achieve a desired outcome. Each packing ring needs to be installed and seated with recommended level of compression for the material being used. This is achieved with the use of a Tamping Tool that transfers the load from the gland follower to each ring of packing during Installation.



Figure 1: Single Split Ring with Magnets

What is a Tamping Tool?

A series of split rings able to fit in the stuffing box to consolidate packing rings.

Various styles and materials can be used, however the Garlock Split Ring Magnetic removal device is the most simplistic on the market.

Value & Benefits

Tamping Tools provide an improved method to consolidate packing rings which increases Packing Performance and reduces Maintenance Costs by:

- Providing a simple way to compress each ring of packing.
- Better startup outcomes.
- Improved performance of packing set, and longer life.
- Having a suitable tamping set for each pump size available.
- Speed up the installation process with repeatable outcomes.
- Ensure rings are properly seated for best Safe Operation.



Figure 2: Split 3 Ring Set

Australia

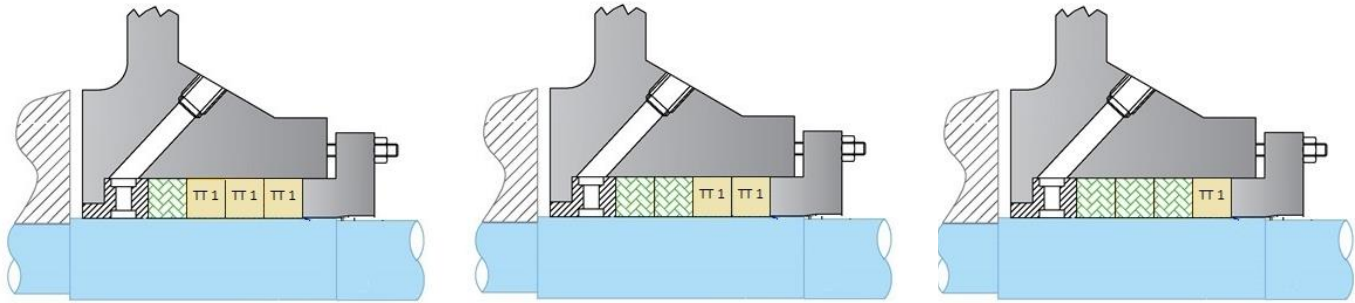
Head Office: 2/198 Walters Rd.,
Arndell Park, NSW 2199, Australia.
Phone: 1800 GARLOCK
Fax: +61 2 9793 2544
E-mail: austsales@garlock.com
Web: www.garlock.com

New Zealand

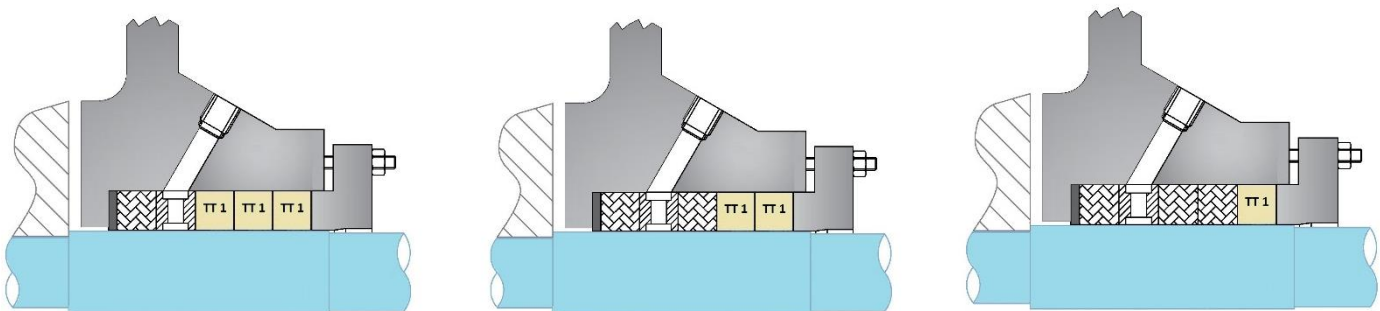
Master Distributor: IGS
42, Hobill Avenue,
Wiri, Auckland 2104
New Zealand
Phone: +64 9 574 5651
Email: nzsales@igs.co.nz

Variety of Tamping Tool Configurations are Possible with one set:

The following depicts the procedure for tamping the various rings in a Type 1 or 2 arrangement



The following depicts the procedure for tamping the various rings in a Type 3 arrangement



Tamping Tools can be supplied as simple split rings with extraction holes, allowing the use of a packing extractor for removal, or the better alternative is to use the Garlock Magnetic Design, that allows for automatic removal of the tamping rings when the gland follower is pulled back.

The following chart refers to part numbers for the 3 ring Magnetic Tamping Tool Set

Size Frame	Sleeve Diameter	Part No	TT 1 Width
B Frame	45.27	Coming soon	10mm
C Frame	58.66	Coming soon	10mm
D Frame	82.53	TTHDMDX-08251081	12mm
E Frame	101.33	TTHDMEX-10131333	15mm
F Frame	130.16	TTHDMFX-13021694	20mm
G Frame	177.78	TTHDMGX-17782287	25mm

Tamping Recommendations for common Compression Packing

Lantern Restrictor Style 1				
	1 st ring	2 nd ring	3 rd ring	4 th ring
Q20	Tamp 20%	Tamp 20%	Consolidate	Consolidate
Q26	Consolidate	Consolidate	Consolidate	Consolidate
Q35	Tamp 20%	Tamp 20%	Consolidate	Consolidate
Lantern Restrictor Style 2				
Q20	Tamp 20%	Tamp 20%	Consolidate	Consolidate
Q26	Consolidate	Consolidate	Consolidate	Consolidate
Q35	Tamp 20%	Tamp 20%	Consolidate	Consolidate
Neck Ring Style 3				
Q20	Tamp 20%	Tamp 20%	Consolidate	Consolidate
Q26	Consolidate	Consolidate	Consolidate	Consolidate
Q35	Tamp 20%	Tamp 20%	Consolidate	Consolidate

Consolidate refers to up to 10% visual compression