



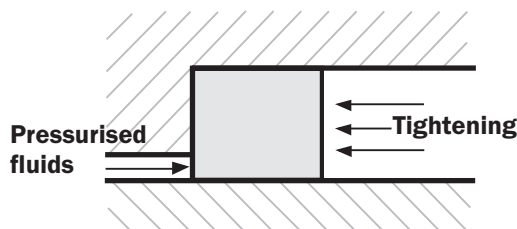
LIDE **R**ING

BRAIDED PACKING GLOSTER-PACK[®]

INTRODUCTION

Braided packing is used to provide hermetic conditions during rotary, alternate or helicoidal movement.

Its functional or hermetic principle is achieved by the interference provided by external tightening.



Our braided packing comes in spools in a variety of lengths.

The weight of these spools depends on their section, length and the material used.

This catalogue contains a selection of the most commonly used materials that can be supplied, depending on the working conditions and applications.

ASSEMBLY

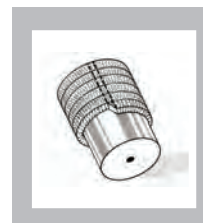
In order to use the braided packing in applications where it is necessary, cutting and ring conformation should be carried out by hand.

A cutting pattern can be used or the packing can be rolled around the shaft and the rings cut. A 45° bevel cut is recommended.

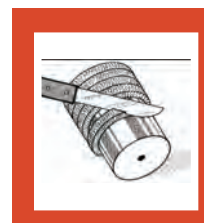
The rings should be introduced into the stuffing box one by one with the phased cuts placed at 90° to each other and tightened with the clamp of the stuffing box by hand. It should be run with constant leaks for approximately 10 minutes and then tightened until the leak is acceptable (10 to 20 drops per minute).

It is essential that the leak takes the form of drops to ensure that the rings do not overheat.

In packing for pumps, proper tightening can be considered as 0.5 – 1.5 N/cm². Minimum tightening for valves is 5 N/cm².



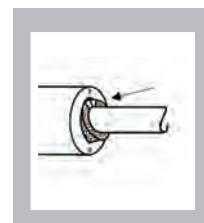
Operation A



Operation B



Operation C



Operation D

SELECTION

The following should be known in order to choose the adequate type of braided packing:

- ⊙ Fluid (liquid or gas).
- ⊙ pH.
- ⊙ Temperature.
- ⊙ Pressure.
- ⊙ Type of movement.
- ⊙ Speed.
- ⊙ of the shaft and its housing.

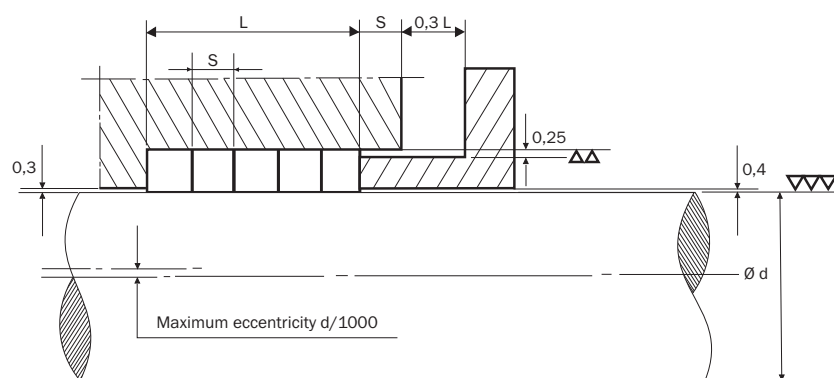
It is essential to take each of these items into consideration to select the ideal type of packing.

SURFACE FINISHES, HOUSING

For the braided packing to work properly, it is necessary for it to be used in housings with specific finishes; otherwise, it will wear quickly.

- ⊙ Centrifuge pump shafts
 - ⊙ Spindles
 - ⊙ Sleeves
- } $R_t = 1$ to 2.5 micra
-
- ⊙ Stuffing box
- $R_t = 16$ micra
(\varnothing ext.)

Shaft hardness should be 50 Rockwell C, as a minimum.



MANUFACTURING TOLERANCES

SECTION (mm)	TOLERANCE (mm)
up to 6	$\pm 0,4$
From 6 to 12	$\pm 0,8$
From 12 upwards	$\pm 1,6$

LENGTHS AND STANDARD PRESENTATION

SECTION	METERS	PRESENTATION
4	50	Spool
5	40	Spool
6	20	Spool
8	15	Spool
10	10	Spool
12	15	Roll
14	12	Roll
16	10	Roll
18	10	Roll
20	8	Roll
22	5	Roll
25	5	Roll

STANDARD REFERENCES

TYPE: FA 2480



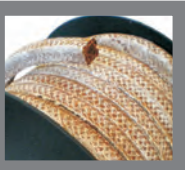
DESCRIPTION	PRESSURE	TEMPERATURE	
	60 bar	-50 to 260°C	
Manufactured in acrylic fibre, lubricated with grease and graphite.		pH	SPEED
		4 -10	10 m/s

TYPE: FA 2490



DESCRIPTION	PRESSURE	TEMPERATURE	
	100 bar	-100 to 260°C	
Manufactured in acrylic fibre, lubricated thread by thread with PTFE. Diagonal braid.		pH	SPEED
		1 -13	15 m/s

TYPE: FK 6200



DESCRIPTION	PRESSURE	TEMPERATURE	
	100 bar	-100 to 260°C	
Manufactured in KYNOL® fibre. Lubricated with PTFE. Diagonal braid.		pH	SPEED
		1 -12	10 m/s

TYPE: TL 4050



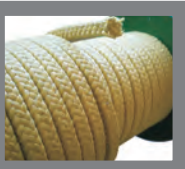
DESCRIPTION	PRESSURE	TEMPERATURE	
	50 bar	-150 to 260°C	
Manufactured in PTFE and impregnated thread by thread with PTFE. Diagonal braid.		pH	SPEED
		0 -14	8 m/s

TYPE: TS 4050



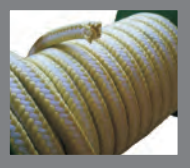
DESCRIPTION	PRESSURE	TEMPERATURE	
	100 bar	-150 to 260°C	
Manufactured in PTFE without lubrication. Diagonal braid.		pH	SPEED
		0 -14	4 m/s

TYPE: KV 30010



DESCRIPTION	PRESSURE	TEMPERATURE	
	165 bar	-150 to 260°C	
Manufactured in aramid fibre, lubricated thread by thread with PTFE. Diagonal braid.		pH	SPEED
		2 -12	10 m/s

STANDARD REFERENCES

TYPE:
KT 30410

DESCRIPTION

Made from aramid fibre and PTFE.
Lubricated with PTFE.
Diagonal braid.

PRESSURE

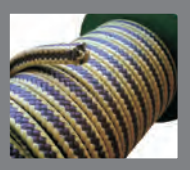
150 bar

TEMPERATURE

-100 to 260°C

pH
2 -12

SPEED
15 m/s

TYPE:
KT 30810

DESCRIPTION

Made from aramid fibre and GFO® fibre.
Diagonal braid.

PRESSURE

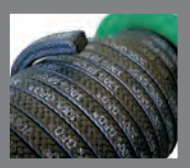
150 bar

TEMPERATURE

-100 to 260°C

pH
2 -12

SPEED
20 m/s

TYPE:
TG 4380

DESCRIPTION

Manufactured in GFO® fibre.
Diagonal braid.

PRESSURE

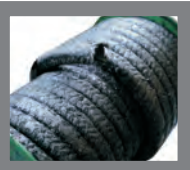
50 bar

TEMPERATURE

-150 to 260°C

pH
0 -14

SPEED
30 m/s

TYPE:
CL 20000

DESCRIPTION

Manufactured in lubricated carbon fibre. Diagonal braid.

PRESSURE

50 bar

TEMPERATURE

-60 to 600°C

pH
0 -14

SPEED
25 m/s

TYPE:
GR 3030

DESCRIPTION

Manufactured in pure scaled graphite fibre.
Diagonal braid.

PRESSURE

50 bar

TEMPERATURE

-60 to 450°C

pH
0 -14

SPEED
25 m/s

TYPE:
GR 3080

DESCRIPTION

Manufactured in expanded graphite and reinforced with Inconel thread and a corrosion inhibitor.

PRESSURE

300 bar

TEMPERATURE

-100 to 650°C

pH
0 -14

SPEED
- - -



SPECIAL REFERENCES

TYPE	DESCRIPTION	PRESSURE	TEMPERATURE	pH	SPEED
FV 7100	Graphite cotton impregnated with grease.	60 bar	120°C	6-8	6 m/s
FV 7200	Cotton impregnated with grease.	40 bar	100°C	6-8	6 m/s
FV 7300	Tallowed hemp.	50 bar	120°C	6-8	6 m/s
FC 11000	Ceramic fibre.	50 bar	1200°C	2-12	- -
HV 9000	Fibreglass.	250 bar	600°C	5-11	- -
HV 9100	Graphite fibreglass.	250 bar	550°C	3-12	3 m/s
HV 9080	Graphite fibreglass and Inconel.	400 bar	550°C	3-12	- -
HV 9200	PTFE fibreglass.	250 bar	260°C	2-12	4 m/s
HA 30000	PTFE para-aramid thread.	100 bar	260°C	2-12	10 m/s
FV 7400	PTFE flax.	50 bar	120°C	5-11	12 m/s
ET 5100	Extruded PTFE.	20 bar	250°C	0-14	15 m/s
ET 5200	PTFE and extruded graphite	20 bar	250°C	0-14	15 m/s

Other types and compositions of braided packing are available for delivery.

Braided *Packing*

Gloster-Pack®

LIDE RING





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