

NO WAY THROUGH



JAMPAK
and the Seal-Cage-System

JAMPAK and the Seal-Cage-System

Material composition:

TEADIT® JAMPAK injectable pump and valve sealants are made from a blend of high-tech synthetic fibres and a carefully selected blend of greases, oils and other proprietary substances. It is this unique combination of fibres and binding agents that allows the sealants to run virtually leakfree.

Properties:

TEADIT® JAMPAK injectable pump and valve compound is a malleable packing material that can be injected while the pump or valve is operating - without interrupting the production process.

JAMPAK does not depend on product leakage and/or flush water for lubrication or cooling, the frictional heat build-up that so often leads to gland packing failure is effectively avoided. The sealing compound's extremely low coefficient of friction and non-stick properties help extend equipment life by reducing shaft and sleeve wear.

Benefits of TEADIT® JAMPAK sealants:

- easy to install - easy to use (detailed installation CD-Rom available)
- repacking made easy with the TEADIT® JAMPAK injection gun and helpful accessories
- repacking while equipment is operating - no interruption of production, considerably less downtime, longer continuous working periods of equipment
- extremely low coefficient of friction saves on energy, reduces heat build-up and shaft wear
- saves on water and waste water because no flush (cooling water) is required
- operates virtually leakfree
- works well with slightly worn shafts or sleeves because of excellent malleability
- reduces operating costs and extends equipment life



JAMPAK 20

A blend of exfoliated graphite particles and high-temperature sacrificial lubricants for extreme service applications.
Anti-extrusion rings: 2202



JAMPAK 26

A non-staining, non-toxic PTFE fiber blended with FDA-approved lubricants for clean or food grade applications.
Anti-extrusion rings: 2060



JAMPAK 27

A blend of high performance gPTFE fibers and chemically resistant lubricants.
Anti-extrusion rings: 2070

JAMPAK and the Seal-Cage-System

The concept:

The idea to use a soft, malleable packing compound instead of - or in conjunction with - relatively hard braided packing rings is not new. However, due to various technical reasons, this has rarely been successful. The TEADIT® JAMPAK packing compounds together with the SEAL-CAGE-SYSTEM significantly improve the integrity and reliability of injectable packing compound for shaft sealing.

Our research has shown that process or equipment disturbances are the leading causes of injectable packing compound failures. Sudden pressure or flow fluctuations, cavitation, shaft deflection, vibrations or worn shafts all contribute to extrusion failures.

The TEADIT® Jampak Seal-Cage-System has been designed to prevent injectable compound extrusion. The rails of the Seal-Cage-System act like a rake to grip the injectable packing compound, holding it in place.

At the same time this system enables the braided packing end rings to be (and stay) pre-loaded - this is NOT possible without the JAMPAK Seal-Cage-System - to the shaft and bore of the stuffing box, which further helps to prevent extrusion.

Temperature limit of Seal-Cage: 120°C



TEADIT® has – with the development of the Seal-Cage-Systems - made the concept of injectable packing compound work correctly and reliably. But not only this, TEADIT® has also

- modified and enhanced the injection gun and its connecting system, which makes injecting the packing compound easier
- developed new versions of packing compound for specific applications
- designed various accessories which make installing and working with the JAMPAK Seal-Cage-System quicker and easier

The TEADIT® Jampak Seal-Cage-System consists of the following parts:

- Jampak injection gun kit
- Jampak packing compounds
- Jampak Seal-Cage-System

Additional accessories:

- Sure-Cut hand packing cutter
- Sure-Cut maintenance kit with spare blade and pocket sharpener
- Two piece packing tamping tool set and packing extraction hooks
- Jampak saw kit: mitre box, saw blade, precision knife blade and handle for precise cutting of Seal-Cages
- Master pin pack I + II
- Jampak Seal-Cage-System Installation-CD-Rom with text, pictures and videos



SEALANT SELECTION GUIDE

JAMPAK

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Applications

centrifugal pumps
reciprocating equipment
rotating shafts
valves

centrifugal pumps
reciprocating equipment
rotating shafts
valves

centrifugal pumps
reciprocating equipment
rotating shafts
valves

SERVICE LIMITS

pH	0 - 14	0 - 14	0 - 14
V m/s	20	12	20
Temperature	400°C steam: 600°C	260°C	260°C

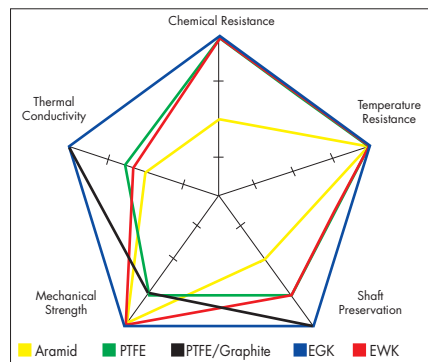
Please observe temperature limit of Seal-Cage!

Recommended anti-extrusion rings	2001/2202	2006/2060	2007/2070
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JAMPAK'S success will depend on its ability to be contained in the stuffing box. The TEADIT® braided packing styles 2202, 2060 and 2070 are therefore recommended as anti-extrusion end-rings. Styles 2060 and 2070 are constructed employing TEADIT® patented hybrid yarn technology (PTFE-Aramid and gPTFE-Aramid) and offer an ideal combination of sealing properties. These include high mechanical strength, excellent extrusion resistance, high shaft speeds and outstanding chemical resistance.



Temp. 280°C
V m/s 12
pH 0 - 14



Temp. 280°C
V m/s 25
pH 0 - 14



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