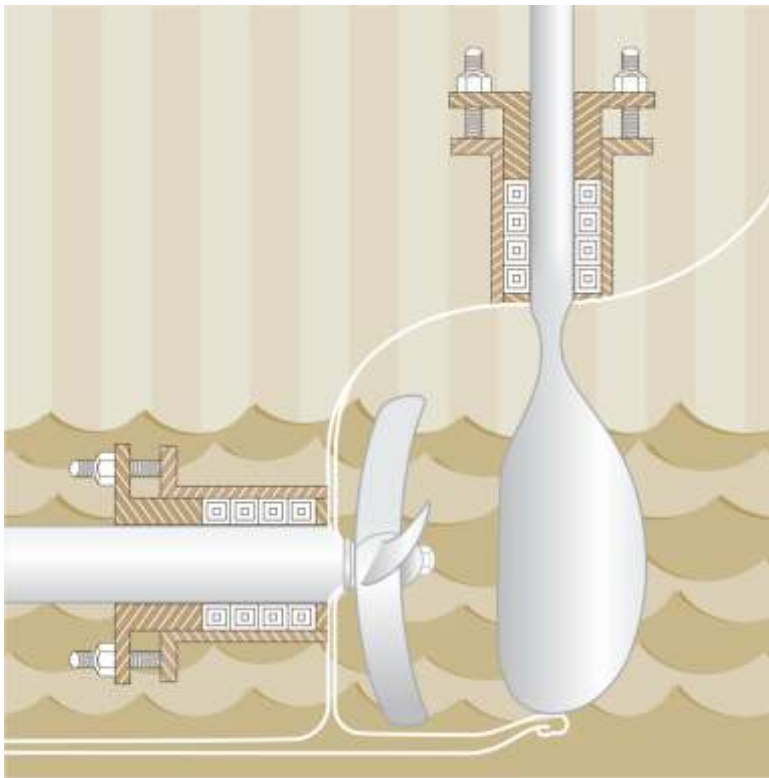




STOPLIK SERVICES (I) PVT. LTD.

AN ISO 9001:2008 COMPANY



Marine  
Packings  
&  
Sealants

Light Years  
Ahead In  
Fluid Sealing



## GENERAL GUIDELINES FOR SELECTION OF STOPLIK PACKING AND SEALANTS

Most marine engineers have a nightmarish experience of leaking stuffing boxes in stern tubes, rudder post, stabilizers, centrifugal pumps, reciprocating pumps, valves and other equipments having rotating shafts. Some of the problems encountered include: excessive man-hours lost to continuously adjust leaking stuffing boxes; frequent equipment down-time due to premature packing failures; leaking sea water may corrode surrounding metallic structure, loss of expensive fluids due to leakages, frequent bearing failures due to contamination of bearings; excessive load on motor leading to burn-outs; excess heat generated results in scoring and pitting of the shaft. Leaking stuffing boxes can jeopardise the functioning of the entire ship. Stoplik offer a range of patented Synthetic Reinforced yarn packing and sealants, specially designed for the marine industry.

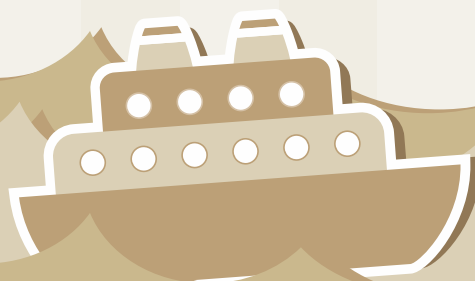
EQUIPMENT	STOPLIK STYLE	EQUIPMENT	STOPLIK STYLE
Stern tube	99 HC & 77 HS	Rudder post	99 HC & 77 HS
Stabilizer	99 HC & 77 HS	Dry dock pump	99 HC & 77 HS

### CENTRIFUGAL PUMPS

Bilge pump	99 & 77 HS	Chemicals/Solvents	99 & 77 HS
Fresh water	99 & 77 HS	Lube/Fuel oil	99 & 77 HS
Sea water	99 & 77 HS	Boiler feed water	99 & 77 HS
Chilled water	99 & 77 HS	Condensate water	99 & 77 HS
Brine	99 & 77 HS	Sanitary water	99 & 77 HS
Fire fighting water	99 & 77 HS	Aviation fuel	99 & 77 HS
Crude/Refined oil	99 & 77 HS		

### STEAM VALVE APPLICATION

Medium Pressure / Temp Steam Valve	99 + 77HS
High Pressure / Temp Steam Valve	900IC + 77HT



## STOPLIK STYLE 99HC (Covered Under Design Registration No. 178195)



**Structure:** PTFE / Graphite yarn reinforced with synthetic fibre braided over square hollow rubber core.

**Equipment:** Stern tube, Rudder post, Stabilizer & Dry dock pump

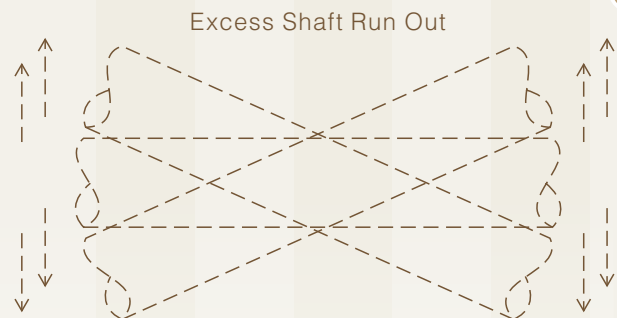
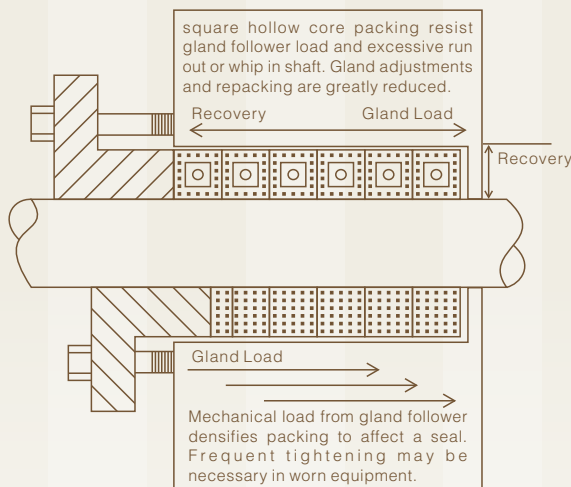
**Application:** Stoplik Hollow Core packing is specifically designed to reduce packing wear and shaft / sleeve wear in slow rotating equipments with excess shaft run-out. Stoplik Hollow Core packing resists gland follower load and excess run-out or whip in shaft. Gland adjustments and repacking are greatly reduced.

Months of in-plant testing have proved that Stoplik's reinforced yarn packing with square hollow core will out last conventional packing in application associated with excessive shaft deflection on large shaft. Stoplik Hollow Core packing are offered as per the suitability of the application and service.

**Service Parameters:** Temperature: 190°C  
Shaft speed: 13m/s

pH range: 0-14  
Max pressure: 60kg/cm<sup>2</sup>

\*THE PACKING IS OFFERED IN SIZE OF 1/2" AND ABOVE.



### Advantages of Patented Reinforced Yarn Hollow Core Gland Packing:

- 100% custom built product.
- Rubber in the core provides Recuperation, more than 95%.
- Excellent gland pressure transfer, more than 95%.
- Finger tightening of gland follower sealing, more than 98%.
- Packing length increases due to Hollow rubber core.
- Seals even in run out condition of shaft without damaging it.
- Resists gland follower load and excessive run out or whip in the shaft.

### STOPLIK STYLE 99 (Covered Under Design Registration No. 178195)



**Structure:** PTFE / Graphite yarn reinforced with Synthetic fibre.

**Equipment:** Bilge pump, Fresh water, Sea water, Chilled water, Brine, Fire fighting water, Crude / Refined oil, Boiler feed water, Lube / Fuel oil, Condensate water, Sanitary water, Chemicals / Solvents and Aviation fuel.

**Application:** Recommended for acids, alkalies, slurry and sea-water.

**Service Parameters:** Temperature: 260°C                      pH range: 3-12  
Shaft speed: 22m/s                                      Max pressure: 210kg/cm<sup>2</sup>

### STOPLIK STYLE 9001C (Expanded Braided Gland Packing With Wire Reinforced)



**Structure:** Stoplik Style 9001C is pure expanded Graphite braided packing reinforced with wire to serve high pressure high temperature application.

**Physical Property:** Braided Graphite packing made from exfoliated Graphite yarn having corrosion inhibitor property and a proprietary lubricant, reinforced with stainless steel wire to serve extreme high temperature and high pressure for static application. It has low co-efficient of friction and excellent thermal conductivity.

**Application:** Recommended for valve stuffing boxes that handle super heated steam.

**Service Parameter:** Temperature: 650°C                      pH range: 0-14  
Shaft Speed: 20m/s                                      Pressure : max 350kg/cm<sup>2</sup>

### IN-SITU MOLD: Ideal Packing For Scored Shafts, Sleeves And Valve Stems !!

**Characteristics of In-Situ Mold:** It flows in scored / shaft / stem and reduces wear. Regardless of size and shape of the stuffing box it forms itself to the configuration of the stuffing box by remolding itself. In-Situ Mold eliminates the need for stocking various sizes and types of gland packing. In-Situ Mold is highly recommended for application where equipment shut down causes critical conditions. In-Situ Mold stick packing is made of interlocking PTFE fibre which are inert and unaffected by acids, oils, alkalies, various alcohols, aviation gasoline or common solvents.



## STOPLIK STYLE 77 HS - IN-SITU MOLD HIGH SPEED

(Covered Under Design Patent Registration No. 178198)



**Structure:** Composed of interlocking PTFE fibre, exfoliated Graphite, consumable lubricants for enhanced lubrication and heat dissipation.

**Application:** Recommended for Stern tube, Rudder post, Stabilizer, Dry dock pump, Bilge pump, Fresh water, Sea water, Chilled water, Brine, Fire fighting water, Lube / Fuel oil, Crude / Refined oil, Chemicals / Solvents, Boiler feed water, Condensate water, Sanitary water and Aviation fuel.

**Service Parameters:**

Temperature: 260°C

pH range: 0-14

Shaft speed: 12m/s

Max pressure: 320kg/cm<sup>2</sup>

## STOPLIK STYLE 77 HT - IN-SITU MOLD HIGH TEMPERATURE

(Covered Under Design Patent Registration No. 178197)



**Structure:** Composed of 100% lubricating carbon fibre, exfoliated Graphite, high temperature and high pressure lubricants / proprietary synthetic binders.

**Application:** Recommended where valve stem is scored and equipment is working at high temperature and high pressure. The inherent draw back associated with using pure carbon fibre of flexible tape / rings requiring stem / shaft finish of minimum 32 RMS is successfully overcome by using In-Situ Mold even on pitted valve stem or spindle.

**Service Parameters:**

Temperature: 560°C

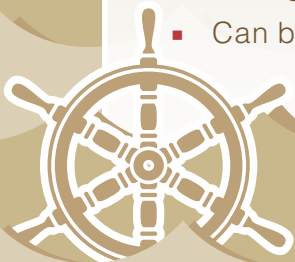
pH range: 0-14

Shaft speed: 12m/s

Max pressure: 380kg/cm<sup>2</sup>

### Advantages of In-Situ Mold:

- Since it is in stick form, could be used with any size of Gland Packing.
- Being a soft and mouldable material, reduces wear and tear.
- Due to lubricating and fibrous material, it flows in the crevices / scoring.
- Only magic material in the world for scored and pitted valve stem / shaft / sleeve.
- In-Situ Mold reduces labour and down time resulting in additional savings.
- An ideal solution for inventory control.
- Emergency solution in non availability of exact size of gland packing.
- Can be used between existing damaged gland packing.





## **STOPLIK SERVICES (INDIA) PVT. LTD.**

**AN ISO 9001:2008 COMPANY**

Plot No. A/465, Road No. 28, Wagle Industrial Estate, Thane (W) - 400 604, Maharashtra, India.

Tel.: +91-22-6159 7112 | 6159 7113 | 2582 1808 | Fax: 2582 2564,

Email: [stoplik@vsnl.com](mailto:stoplik@vsnl.com) | [www.stoplikpackings.com](http://www.stoplikpackings.com)

\* Due to our policy of continuous product improvement, specifications are subject to change without prior notice.

