

Rod Knuckle™ Stuffing Box



Meeting our clients' needs through research and development



Nelgar Oilfield Services' patented Rod Knuckle™ Stuffing Box is a technologically advanced piece of equipment designed to minimize maintenance, reduce packing failure and enhance safety.

Easy-to-use and easy-to-maintain, the strong and versatile Rod Knuckle™ is the only stuffing box that has less side loading on the secondary packing than the primary ensuring a seal is maintained should the primary packing fail.

Install a Rod Knuckle™ and join the growing list of clients who have saved both time and money by using Nelgar's productivity enhancing technology.

Product Commitment

All Nelgar products incorporate a comprehensive understanding of our clients' needs combined with our demonstrated expertise at developing cost-effective solutions that enhance oil and gas well productivity and profitability. Aided by a vast amount of field experience and a strong emphasis on R & D, our products give clients the tools they need to operate their oil and gas wells at maximum efficiency.



Split lower packing gland for easy servicing.



Check valve equipped for blowout prevention.



Pivoting upper chamber for temporary misalignment.



ROD KNUCKLE

www.nelgarservices.com

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Equipment Technical Data

FEATURES	BENEFITS
* Patented design promotes less side loading on secondary packing than primary	Unique design maintains a polished rod seal by promoting less side loading on the secondary packing than the primary.
* Designed for temporary misalignment	Designed for temporary misalignment where the upper chamber of the stuffing box will pivot with the polished rod and maintain a seal until the pumping unit is put back into alignment.
* Serviceable	Simplistic design facilitates easy servicing. Replace internal components if required without lifting over polished rod.
* 4140 HTSR steel construction	Built with an extremely versatile and high-quality material that will withstand extreme temperatures and the effects of corrosion.
** Temperature rated to -45°C (-49°F)	4140 HTSR steel construction is made to withstand the harshest winter temperatures; tested to -45°C (-49°F).
* Pressure rated to 3000 psi	3000 psi pressure rating suitable for virtually any artificially lifted pumping unit.
* Low profile (16.5")	Low-profile design is functional for all types of wellheads and pumpjacks.
* Dual packing	Dual packing helps to ensure that a polished rod seal is maintained should the primary packing fail.
* Check valve equipped	Check valve equipped to prevent blowouts in the event of a polished rod failure.
* Knuckle Buddy polished rod lubrication system	Knuckle Buddy system is used to assist in reducing packing failure by ensuring polished rod lubrication.
Available in standard sizes	Polished Rod: 1 ½" & 1 ¼" Flow Tee Adaptor: 2 3/8" EUE, 2 7/8" EUE, 3 1/2" EUE, 3" line pipe Flange: R27
* Exceeds PSAC's minimum well head requirements.	
** Passed the ASTM A370: Charpy V-Notch Test, governed by API 6A temp class L PSL2 @ -46°C.	



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