



**CERTIFICATO DI OMOLOGAZIONE DI TIPO**  
**TYPE APPROVAL CERTIFICATE**  
**N. DIP055418XU/002**

Si certifica che il seguente prodotto soddisfa le prescrizioni delle norme RINA per l'omologazione di tipo.  
*This is to certify that the product identified below is in compliance with the applicable requirements of the RINA type approval system.*

<b>Descrizione</b> <i>Description</i>	<b>Cilindri Oleodinamici</b> <i>Oil Hydraulic Cylinders</i>
<b>Tipo</b> <i>Type</i>	<b>9032-305 Hydraulic Actuator</b>
<b>Fabbricante</b> <i>Manufacturer</i>	<b>SLEIPNER MOTOR AS</b>
<b>Luogo di produzione</b> <i>Place of manufacture</i>	<b>PO BOX 519, ARNE SVENDSENSGT. 6-8 1612 FREDRIKSTAD NORWAY</b>
<b>Norme di riferimento</b> <i>Reference standards</i>	<b>Rules for the Classification of Yachts designed for Commercial Use, Rules for the Classification of Pleasure Yachts</b> <i>Rules for the Classification of Yachts designed for Commercial Use, Rules for the Classification of Pleasure Yachts</i>



RINA Services S.p.A.

Rilasciato a **SOUTHAMPTON** il **7 Gennaio 2019**.  
Questo Certificato è valido fino al **6 Gennaio 2022**  
*Issued in SOUTHAMPTON on January 7, 2019 . This  
Certificate is valid until January 6, 2022*

Questo Certificato e' composto di 1 pagina e di 1 allegato  
*This certificate consists of this page and 1 enclosure*





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**Allegato - Pagina 1 di 1**

*Enclosure - Page 1 of 1*

### **9032-305 Hydraulic Actuator**

#### **Product description**

90 mm ID cylinder; maximum stroke of 305 mm; design pressure 112.5 bar; working pressure 90 bar. Option of spherical bearing rod end with 25 mm dia. pin bolt (see item 1 of the Remarks), or clevis rod end with 25 mm stainless steel (SS2324) pin bolt.

#### **Field of application**

Rudder actuator for Yacht steering gear.

#### **Reference documents**

Drawings approved with number PRDP-5565 on 3rd of October 2014.

Technical memo: PRDP-4934.

Rod seal: PRDP-4935.

Wiper: PRDP-4938.

Piston seal: PRDP-4939.

Material specification: PRDP-5702.

#### **Tests carried out**

Hydrostatic test as per Test Report dated 30 October 2014 enclosed in PRDP-5565.

#### **Remarks**

1. 25 mm dia. pin bolt for spherical bearing to be a RINA approved for each application.
2. Materials for the construction of the actuator are to be certified by the material Manufacturer in accordance with the appropriate material specification, and the certificates made available to the attending Surveyor.

Each delivery of this product is to be certified according to RINA rules. The certification tests are to be carried out at the manufacturer premises before the product is shipped to the yard. If previously agreed with the RINA local office, an alternative testing procedure could be applied. The alternative procedure foresees that during the period of the Certificate's validity, and for the next actuators of the same type, the tests required by the Rules can be carried out by the Manufacturer, who will issue a Certificate of conformity (COC) to the prototype. The COC is then sent to the RINA local office for endorsement.

**This certificate is invalid if not supported by a valid Certificate of Conformity endorsed by RINA.**

**Southampton, 07/01/2019**

