

# APPROVAL OF MANUFACTURER CERTIFICATE

**This is to certify:**

**That the Manufacturer**

**PK S.R.L.**

**Cadriano di Granarolo dell'Emilia BO, Italy**

is approved for the

**Assembling of type approved hoses and couplings**

The approval is granted on condition that

**DNV GL class programme DNVGL-CP-0183 – Type approval – Flexible hoses**

are complied with in all respect

Hose	Type	Size
No-Skive Compact	462/462TC/ST	See page 2
No-Skive GlobalCore	387/387TC/ST	See page 2
No-Skive GlobalCore	487/487TC/ST	See page 2
No-Skive GlobalCore Compact Spiral	787/787TC/ST	See page 2
No-Skive GlobalCore Compact Spiral	797/797TC/ST	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

Issued at **Høvik** on **2020-09-14**

for **DNV GL**

This Certificate is valid until **2023-09-13**.

DNV GL local station: **Italy/Malta CMC**

Approval Engineer: **Andreas Hansen**

**Zeinab Sharifi**  
**Head of Section**

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD. This Certificate is subject to terms and conditions overleaf. Any significant change in production facilities and methods may render this Certificate invalid.



Job Id: **263.11-010625-1**  
Certificate No: **AMT00000GO**

## Approval basis

PK S.r.l is approved as a hose assembling company to deliver type approved hose assemblies (hose and coupling types as described in this certificate) to DNV GL vessels.

### Assembling location:

PK S.r.l  
Via Andrea Costa, 11/2  
40057 – Cadriano di Granarolo dell’Emilia (BO)  
ITALIA

## Products

The holder of this certificate is authorized to assemble hoses and end fittings as specified in type approval certificates listed below:

TAC Holder	Product/Type	Size	Type Approval	Expiry date
Parker Hannifin Manufacturing S.r.l, Veniano CO, Italy	462 / 462ST	-4, -5, -6, -8, -10, -12, -16, -20	TAP000000E	2022-06-30
	462TC	-4, -5, -6, -8, -10, -12, -16, -20, -24, -32, -40, -48		
	387 / 387TC / 387ST 487 / 487TC / 487ST	-4, -6, -8, -10, -12, -16	TAP00001N6	2023-12-31
	787 / 787TC / 787ST 797 / 797TC / 797ST	-4, -6, -8, -10, -12, -16	TAP00001N7	
Parker Hannifin Hose Products Division Wickliffe OH, United States	787TC / 787ST 797TC / 797ST	-20, -24, -32	TAP000013N	2022-11-08

## Limitation

The approval is valid by considering all condition in relevant type approval certificates and authorization letter, during the validity of current certificate as well as the relevant type approval certificate.

## Production testing

Each hose assembly is to be hydraulic pressure tested to 1.5 times the maximum working pressure before delivery and to be delivered from the certificate holder with pressure test report with reference to the type approval certificate and this certificate.

## Approval documentation

- Authorization from Parker Hannifin Fluid Connectors Group Europe, valid until 2021-09-12
- Letter of authorization from Parker Polymer Hose Division Europe, dated 2020-07-30
- Letter of authorization from Parker Hannifin Fluid Connector Group US, dated 2020-08-05
- PK S.r.l WPI: Document PK-001 rev. 00 “Flexible Hose Assembly”
- PK S.r.l WPI: Document PK-002 rev. 00 “Flexible Hose Testing”
- Burst test reports, witnessed by DNV GL Surveyor, dated 2020-02-10

## Certificate Retention Survey

The AoM certificate is valid for three years with no intermediate assessment unless otherwise requested by the Society.