



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE

Certificate No. TA21420M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements 12.3.3, Chapt.12, Part D of “Rules for the Survey and Construction of Steel Ships” and Chapt.9, Part 6 “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”.

This certificate is issued to

Manufacturer:	Parker Hannifin Manufacturing Germany GmbH & Co. KG
Place of manufacturer	Gutenbergstrasse 38, Kaarst, 41564 GERMANY
Product description	Bite type pipe joints
Type designation(s):	EO PSR, EO DPR, EO-2
Approval No.:	06FV103B
Valid until:	31 March 2026

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 1 April 2021


T. Shimada
General Manager
Machinery Department



1. Particulars and conditions:

Type : EO PSR, EO DPR, EO-2

Nominal Diameter* : 6 to 42 mm

Design Pressure* : 10 to 80 MPa

Design Temperature* : -60 to 400°C

Material:

Vulcanized sealing lip : NBR / FKM

Support ring : Stainless steel / steel

Nut and tube : Stainless steel / steel

*: The ranges are limited by the type and material. The official ranges are provided in the handbook, page C2, I10, I11, I14, I15 and I16 of Catalog 4100-10/UK.

2. Application:

The joints can be used for the following piping lines:

1. Fuel oil lines, lubricating oil lines, and hydraulic oil lines
2. Fresh water lines and sea water lines
3. Air lines and steam lines

3. Type approval tests carried out:

Repeated assembly test, tightness test and burst pressure test

4. Drawings:

Catalogue 4100-10/UK

5. Production test:

Hydraulic tests for the joints used for pipes in Group I and II are to be carried out in the presence of our surveyor.

6. Installation

The installation of mechanical joints is to be in accordance with the manufacturer's assembly instructions. Where special tools and gauges are required for installation of the joints, these are to be supplied by the manufacturer.

Tube preparation and final installation must be conducted by personal which is trained and currently certified by Parker Hannifin.

All assemblies must be made with machines that are approved by Parker Hannifin.

Notice:

Any significant changes in design or construction of the above items may render this certificate invalid.

- The End -