



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	PI.EFFE.CI. Srl
Address	Via G. Marconi, 76/A, Parma, 43123, Italy
Type	Pipe Clamps
Description	PI.EFFE.CI. Clamps- Standard series, Heavy series, Twin series, Heavy series Twin design, Special Series, Light Series, Multi series, U-bolt, Square U-bolt, Super Heavy weight series and Metal DIN series.
Trade Name	PI.EFFE.CI. Clamps
Application	For piping system in Marine, Offshore Applications, for fastening and guiding of tubes, pipes, hoses and cables.
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2022 DIN 3015, Part 1, 2, 3 and 10; DIN 3567 DIN 1592 1593 1596 1597
Ratings	Please refer to the Appendix
Additional Tests	DIN 3015, Part 1, 2, 3 and 10; DIN 3567 DIN 1592 1593 1596 1597

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Vahid Saremi Shahab

Piping & Pressure System Lead Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Type Approval Certificate

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR23405009TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.





ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23405009TA

Appendix

SERIES

TYPE	DIAMETER RANGE (mm O.D.)
STANDARD SERIES DIN 3015-1	6 to 102
HEAVY SERIES DIN 3145-2	6 to 406
TWIN SERIES DIN 3015-3	6 to 42,4
SPECIAL SERIES	8 to 42,4
HEAVY SERIES TWIN DESIGN	19 to 42,4
LIGHT SERIES A/B/C/LS/LSCF/LSRA/LSRD	4 to 25,4/6 to 22/6 to 32
MULTI SERIES	6 to 25,4
SUPER HEAVYWEIGHT SERIES	166 to 800
U-BOLT + BC/BL/CFP	10 to 630
SQUARE U-BOLT	30x30 to 120x120
METAL DIN SERIES	7 to 521

CLAMP MATERIALS	TEMPERATURE RANGE (°C)
POLYAMIDE (PA V0)	-40 / +140*
POLYAMIDE (PA6)	-30 / +85
POLYPROPYLENE (PP)	-30 / +90
POLYPROPYLENE SELF-EXTINGUISHING (AU)	-30 / +90*
ALUMINIUM (AL)	Up to +300
RUBBER ELASTOMER (GM)	-40 / +90 *

*Flame retardant spec. see catalogue

METAL PARTS:

Carbon steel

Stainless steel 1.4401 (316L)

Stainless steel 1.4307 (304)