Certificate No: LR25427413TA-02
Issue Date: 11/03/2026
Expiry Date: 29/08/2030

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	**FKB GmbH**
Address	Wehrstraße 15/27, Oberndorf, 78727, Germany
Type	Support Clamps
Description	Tube clamps, Flat steel clamps, U-Bolts and Pipe saddles TYPES Tube clamps Series A (light series), Series B (twin tube clamp) and Series C (heavy series)
Trade Name	Tube clamps Series A (light series), Series B (twin tube clamp) and Series C (heavy series)
Application	General use in marine, offshore and industrial piping systems classed or intended for Classification with Lloyd's Register. For essential systems inside machinery spaces Category A and accommodation spaces only the tube clamp versions with two bolts in conjunction with a steel cover plate are to be used.
Specified Standard	DIN 3015, Part 1, 2 and 3; DIN 3567 Lloyd's Register Rules and Regulations for the Classification of Ships, 2025
Other Conditions	Selection and installation are to be in accordance with the manufacturer's instructions and recommendations.

Torsten Schroeder

Engineering - Piping/ Decarbonisation -
Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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.

Certificate No: LR25427413TA-02
Issue Date: 11/03/2026
Expiry Date: 29/08/2030

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.

Previous Version: LR2082472TA, (previous 10/20029(E1))

The Design Appraisal Document TSO/25-045698, (previous ENS 25773-10, Issue No. 2) 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.

Certificate No: LR25427413TA-02
Issue Date: 11/03/2026
Expiry Date: 29/08/2030

Appendix

RATINGS

Series		sizes	O.D. [mm]	
A	Light series	0 - 8	6 – 101,8	For normal mechanical loads
B	Twin tube clamp	1 – 5	6 – 42	
C	Heavy series	1 - 10	6 – 406,4	For high mechanical loads

Clamp material	Design temperature range:
P = Polypropylene	-30 up to + 90°C
N = Polyamide (Nylon)	-40 up to +120°C
V = Rubber	-50 up to +120°C
A = Aluminium [1)]	Up to +300°C

Interior surface: standard grooved, G = smooth[2)]

1) Aluminium only available for series A size 0 to 6 and series C size 1 to 8
   Aluminium clamps in grooved design (R) only, size B only upon request
2) Smooth interior surface in series C only for size 1 to 8,

Assembly is possible on to metal welding plates, support rails or construction assembly.
Screw tightening torques and axial pipe shearing forces depending on bolt and clamp material are to be observed according to the manufacturer's catalogue.
All steel parts are also available in stainless steel.

RESTRICTIONS Series A, size 0 and Series B with only one central bolt for each clamp are not to be used for essential systems inside machinery spaces of Category A or accommodation spaces.

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.