Certificate No: LR2548549TA
Issue Date: 04/06/2025
Expiry Date: 03/06/2030

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	**ICR Integrity Limited**
Address	Claymore Avenue, Bridge of Don, Aberdeen, AB23 8GW, United Kingdom
Type	Mechanical Pipe Joints
Description	A specialised slip-on flange system that employs cold-working techniques in place of welding to form a fixed, two-component mechanical pipe joint. The design is functionally analogous to the composite flange assemblies described in EEMUA 234 and the lap joint configurations outlined in ASME B16.5.
Trade Name	Quickflange Swivel
Application	Marine/Offshore/Industrial
Specified Standard	ASME B31.3 – Code for Pressure Piping EMMUA 234 - 90/10 copper nickel alloy piping for offshore applications
Ratings	Design Pressure : 20 bar Nominal Size : 2” to 8” NB Temperature Range: 0°C to 100°C

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Other Conditions

1. The maximum working pressure of the connector shall be in-accordance with the pressure/temperature rating for flanges (20 bar system) in accordance with EMMUA 234 Appendix B (Table 67).

2. For hazardous and flammable applications, the connection should be supported with risk assessment and used gaskets should be fire resistant.

3. The design has been assessed for self-weight, internal pressure and associated hydrostatic end-loads. Fatigue, pressure pulsation, external and thermal loading are not considered.

4. The installation of mechanical joints is to be in accordance with the manufacturer's assembly instructions.

5. The equipment/flange must be operated according to the procedure stated in 'Quickflange – Flange Handling Procedure.

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 LR2548549TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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