

## 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.

<b>Manufacturer</b>	<b>Spromak Ltd</b>
<b>Address</b>	11G Wilson Road, Huyton, Liverpool, L36 6AN, United Kingdom
<b>Type</b>	Reinforced Branch Connection
<b>Description</b>	Self-reinforcing branch fittings for pipes and pressure vessels.  Buttweld, Socketweld, Threaded, Nipple, Buttweld Lateral, Buttweld Elbow, Insert Branch, Flanged Buttweld, Flanged Nipple, Flanged Lateral, Flanged Elbow, Flanged Insert, Hub Buttweld Outlet Fittings and Swept Insert Branch Outlet.
<b>Trade Name</b>	Buttweld, Socketweld, Threaded, Nipple, Buttweld Lateral, ,Buttweld Elbow, Insert Branch, Flanged Buttweld, Flanged Nipple
<b>Application</b>	Onshore and offshore piping systems and pressure vessels
<b>Specified Standard</b>	ASMEB31.3 :2020 ASMEB31.8 :2020 ASMEB31.1 :2020 ASMEB31.4 :2019 ASME I :2017 ASMEVIII Div 1: 2021 BS EN13480-3: 2017



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## 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 97/00177(E6)-03 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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## LLOYD'S REGISTER TYPE APPROVAL

Issue by: UK&I Technical Support Office

Issued to: SPROMAK LTD

For: SELF-REINFORCING BRANCH FITTINGS FOR PIPES AND PRESSURE VESSELS

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

Application Checklist

Spromak Ltd ISO 9001:2015, 10288881

Spromak Ltd LR PQA assessment

Lloyd's Register type approval certificate No. 97/00177(E6)

Spromak Brochure

November 2021  
Valid until 30-09-2023  
28-03-2022  
02-11-2017

### CONDITIONS OF APPROVAL

1. The ongoing validity of this type approval depends on the producer performing calculations specific to each application with due regard to the service pressures and temperatures and the corrosion allowance for the materials used in accordance with the applicable design codes and the LR approved calculation formats.
2. Documentary evidence of witnessed proof testing in accordance with MSS-SP-97 may be considered as an alternative to calculations for individual applications.



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Issue Date:	05/05/2022
Expiry Date:	04/05/2027
Reference:	UKITSO/TA//ENG/EJ/WP45849443

**Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*

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