

## Lloyd's Register EMEA

### Approval of Quality System based on:

**PED 2014/68/EU Annex 1 Para 4.3 & AD 2000 WO/W5/W10 ISO 10213**

This is to certify that

**Brafe Engineering Limited  
Woodbridge  
Suffolk,  
United Kingdom**

the above works has been specially audited by Lloyd's Register EMEA for approval under PED 2014/68/EU Annex 1 Paragraph. 4.3 and AD-2000 Merkblatt W0/W5/W10 based on ISO 10213-2007 Scope of Approval – See Annex (Details of Material Covered).

The procedures at these works covering production methods, inspection and testing, quality control and general standards of Workmanship have been examined and are approved for the manufacture of the under-noted components.

This approval is conditional upon the items manufactured and certified under this Quality Scheme being in accordance with the relevant requirements of the applicable regulations and standards applied.

This certificate relates solely to:

**The production of steel castings. The attached Annex 1 details the specific materials covered by AD 2000 W0/W5/W10 approval**

Approval Number PRJ1109988678

Date of Issue 15 October 2019

Date of Expiry 14 October 2022



S. M. Williams

LR EMEA Senior Surveyor

Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited

## Annex 1

Materials covered include:-

Austenitic Cast Steels:-

Material Name	Material number	Condition	Weight Max	Max wall thickness mm
GX5CrNi19-10	1.4308*	SA	2 Tonne	95 mm
GX5CrNiMo19.11.2	1.4408*	SA	2 Tonne	95 mm

Notes – N =Normalised, NT =Normalised and Tempered, QT = Quenched and tempered, SA = Solution Annealed with quenching in water.

\*The grades highlighted are referenced within AD 2000 W10 and are suitable providing the V notch test pieces position, direction and test scope are in accordance with BS EN 10213 and AD2000 W5 and are suitable for the intended application temperatures as stipulated in AD 2000 W10.