

## Lloyd's Register EMEA

### Approval of Quality System based on:

### AD 2000 Merkblatt W0/W2/W10 & BSEN ISO 10222-5: 2017

This is to certify that

**Abbey Forged Products Limited,  
Beeley Wood Lane, Sheffield,  
S6 1DN, United Kingdom**

the above works has been specially audited by Lloyd's Register EMEA for approval under AD-2000 Merkblatt W0/W2/W10 based on ISO BSEN ISO 10222-5: 2017. Scope of Approval – See schedule for details of material covered.

Quality Management System Approval – ISO9001:2015 – BSI Assurance UK Limited  
Certificate number – FS 645703.

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:

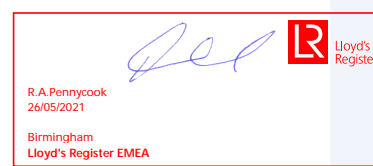
**The manufacture and heat treatment of open die forgings. The attached schedule details the specific materials covered by AD 2000 W0/W2/W10 approval**

Approval Number COV1723316/3

Original Approval 18 January 2018

Date of Issue 18 January 2021

Date of Expiry 17 January 2024



R.A. Pennycook  
LR EMEA UK TQM

Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited

## Certificate COV1723316/3 Schedule

The materials detailed below have been verified against the requirements of

AD 2000 Merkblatt W0, W2, W10 and BS EN10222-5 2017

Austenitic Steels:-


Material Name	Material Number	Condition	Max Weight (kg)	Max Ruling Section (mm)
X5CrNi 18-10	1.4301	SA	1800	250
X2 CrNi 18-9	1.4307	SA	1800	250
X5 CrNiMo 17-12-2	1.4401	SA	1800	250
X2 CrNiMo 17-12-2	1.4404	SA	1800	250
X1 NiCrMoCuN 25-20-5	1.4539	SA	1800	160
X6 CrNiMoTi 17-12-2	1.4571	SA	1800	250
X6 CrNi 18-10	1.4941	SA	1800	250
X6 CrNiTiB 18-10	1.4948	SA	1800	250
X5 CrNiMo 18-15	1.4449	SA	1800	160
X6 CrNiNb 18-10	1.4550	SA	1800	250
X7 CrNiNb 18-10	1.4912	SA	1800	-
X6 NiCrTiMoVB 25-15-2	1.4980	SA	1800	250

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

The above grades 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 10222 and AD2000 W2, as well as being suitable for the intended application temperatures as stipulated in AD 2000 W10

Schedule Issue: 2

Date of Schedule Issue: 25 May 2021



R.A. Pennycook  
26/05/2021  
Birmingham  
Lloyd's Register EMEA  
LRT161-2014-02

R.A. Pennycook  
LR EMEA UK TQM  
Lloyd's Register EMEA

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