CERTIFICATE

The TÜV NORD Systems GmbH & Co. KG

certifies, that the company

Spincraft ETG Limited
Newburn Industrial Estate
Newburn
GB - Newcastle upon Tyne NE15 9RT

has been verified and recognised
as manufacturer of

cold spun dished ends
with tack welded backing rings and doubler plates

according to the rules of

AD 2000-Merkblatt HP 0 and HP 8/1

Certificate-No.: 07-203-1410-HP-3243/15

The scope of approval is available in the annex "scope of approval", file no.:

SWEW/19/93, 8113009644

The company has established a product-related quality system
together with personnel and equipment which assures
manufacturing and testing corresponding to the technical rules.

This certificate is valid until

November 2018

Essen, 09.12.2015

Dipl. Ing. Hans-Jürgen Jessen
TÜV NORD Systems GmbH & Co. KG

TÜV NORD Systems GmbH & Co. KG • Technikzentrum •
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TÜV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045
Scope of approval for material processor acc. to AD2000-Guidelines HP 0 and HP 8/1

TÜV NORD Systems

Annex to Certificate

Date : 09.12.2015
TÜV-File: SWEW/19/93
SAP 8113009644

Company: Spincraft ETG Limited
Place: Newcastle upon Tyne NE15 9RT, GB

AD 2000-HP 0, No.: 07-203 1410 HP 3243/15

Item No.	Material Destignation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Techn. Specification Requirements	Remarks
1	2	3	4	5	6	7	8	9
1	1.4301, 1.4311	DIN EN 10028-7	AT	cold spun dished ends with tack welding of backing rings and doubler plates HeV Ends for OR 64/65, OR 76, OR 97, OR 105, OR 200 and Axxess 60	<20	≤4000 OD	AD2000-W2 AD2000-HP 8/1	no heat treatment of finished ends

Explanation: +AT / AT = solution heat treated and deterred; N = Normalized or normalizing rolled / forming;
NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated
AR = without annealing; SR = stress relieved; A = soft annealed; CR = controlled hot rolled
Hints for materials use acc. to Directive 97/23/EC :
The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge