

Approval of Material Manufacturers Zulassung von Werkstoffherstellern

This is to certify that the works of
Hiermit wird bescheinigt, dass die Firma

**S.C. UPRUC CTR S.A.
505200 FAGARAS
ROMANIA**

has been subjected to an approval test in accordance with GL Rules with satisfactory results and is approved for the manufacture of the following products:
einer Zulassungsprüfung nach den Vorschriften des GL unterzogen wurde und für die Herstellung folgender Erzeugnisse zugelassen ist:

***Fittings and pressed parts such as:
pressed heads, cups, elbows, tees and reductions
in accordance with the GL-Rules for Metallic Materials,
Chapter 2, Section 6, B.***

This approval is granted provided that all products intended to be used for the construction of ships or installations classed with DNV GL SE comply in every respect with GL Rules and Requirements.

Die Zulassung erfolgt unter der Voraussetzung, dass alle Erzeugnisse, die zum Bau von Schiffen und Anlagen mit Klasse der DNV GL SE bestimmt sind, die Vorschriften des GL in jeder Hinsicht erfüllen.

Certificate of approval No.
Zulassungsbescheinigung Nr.

WZ 1627 HH 3

This Certificate is valid until:
Diese Bescheinigung ist gültig bis:

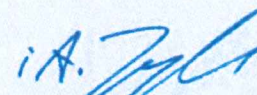
2018-02-28

Part of the approval is our letter of approval ref. no. 060103-14 of 2015-02-09.
Bestandteil der Zulassung ist das Zulassungsansprechen, Tgb.-Nr. 060103-14 vom 2015-02-09.

Hamburg, 2015-02-09

DNV GL SE


Stefan Röhr


Dr. Eva Junghans

Ref. no.: 060103-14

Manufacturer: S.C. UPRUC CTR S.A.

List 9: Connecting Elements and Fittings

| Grade | Key | Supply Condition (1) | max. Thickness, mm | max. Weight | max. Diameter, mm | Remarks |
|--|--------|----------------------|--------------------|-------------|-------------------|---|
| P235GH, P265GH, 16Mo3 acc. to EN 10216-2 | FT, RF | N | | | 1*) 2*) | *1) for all grades: elbows Ø 20.1-610mm/ 2-35mm, weight max. 500kg; equal tees Ø 21.3-610.0mm/ 2-35mm, weight max. 600kg; reducer tees Ø 21.3/17.1-610.0mm/ 508.0mm/ 2-35mm, weight max. 600kg; |
| 13CrMo4-5 and other grades alloyed with CrMo (with max. 0.17% C) acc. to EN 10216-2 | FT, RF | N+T | | | 1*) 2*) | |
| P355NL2 acc. to EN 10216-3 and other grades up to min. yield strength = 355 Mpa | FT, RF | N | | | 1*) 2*) | *2) for all grades: concentric reducers Ø 21.3/ 17.1-610.0mm/ 508.0mm/ 2-35mm, weight max. 300kg; excentric reducers Ø 26.7/ 21.3-610.0mm/ 508.0mm /2-35mm, weight max. 300kg; caps Ø 21.3-610mm/ 2-35mm, weight max. 300kg |
| X6CrNiTi18-10 acc. to EN 10216-5 and other stainless grades alloyed with CrNi: either stabilized with Ti or Nb, or with max. 0.03 %C | FT, RF | S+Q | | | 1*) 2*) | |

Key: FL Flanges FT Fittings NR Seamless Rings RF Pipe Fittings VB Connecting Elements

List 11: Pressings

| Grade | Key | Supply Condition (1) | max. Thickness, mm | Remarks |
|---------------------------|-----|----------------------|--------------------|--|
| P235GH acc. to EN 10216-2 | BD | *1) | | pressed heads: Ø 48-950 mm; *1) acc. GL-Rules; |
| P265GH acc. to EN 10216-2 | BD | *1) | | pressed heads: Ø 48-950 mm; *1) acc. GL-Rules; |

Key: BD Bottoms

(1):
 AC, AF, AR = as cast, as forged, as rolled
 CR = controlled rolled
 F = ferritized
 HF = hot formed
 N = normalized
 N+T = normalized + tempered
 Q+T = quenched + tempered
 SH = surface hardened
 S+Q = solution annealed + quenched
 TM = thermomechanically rolled

(2):
 CC = continuous casting
 IC = ingot casting