



**CERTIFICATE**

In accordance with the requirements of  
AD 2000-Merkblatt W0 and EN 764 part 5.

ZERTIFIKAT In Übereinstimmung mit den Anforderungen der  
AD 2000-Merkblatt W0 und EN 764-5.

This is to certify that the Quality Assurance System of  
Hiermit wird bescheinigt, dass das Qualitätssicherungssystem des Unternehmens

**CHW Forge Pvt. Ltd.**  
**Unit 1: Near Hapur Road Flyover, Maliwara, Ghaziabad**  
**Unit 2: Achheja, P.O. Dujana, G.T. Road, Greater Noida (Phase II)**  
**Uttar Pradesh, India**

has been examined and undergone a  
durch LR Deutschland GmbH bewertet und einer

**Specific Assessment for Materials**  
**Werkstoffspezifischen Bewertung**

by LR Deutschland GmbH and evidence of fulfilment of the requirements  
of the above directive has been provided for the  
unterzogen wurde und den Nachweis über die Erfüllung der Forderungen  
der Druckgeräterichtlinie erbracht hat für die

**Manufacture of Forgings and Flanges.**  
**Herstellung von Schmiedeteilen und Flanschen.**

Details as per Annex I of this certificate.

Approval is subject to the continued maintenance of the quality system in accordance with the  
requirements of the above mentioned Standards.

Einzelheiten siehe Anhang I dieses Zertifikates.

Die Zulassung gilt unter der Voraussetzung, dass das Qualitätssystem fortlaufend  
Aufrechterhalten wird und die Forderungen obiger Richtlinie erfüllte Einzelheiten siehe Anhang I dieses Zertifikates.

Initial Approval: **10. August 2020**  
Erstmalige Zulassung:

Certificate Expiry Date: **09. August 2023**  
Zertifikatsgültigkeit bis:

**Lloyd's Register Deutschland GmbH** Lloyd's Register Deutschland GmbH

**Hamburg, 21. October 2020**  
Place and Date  
Ort und Datum

  
**A. Schwartz**  
Name, Signature, Certifier  
Name, Unterschrift, Zertifizierer



# Anhang I zu Zertifikat Nr. 50382/1 vom 21. Oktober 2020

ANNEX I of CERTIFICATE

Nr. 50382/1 dated 21th October 2020

Lfd. Nr. No.	Standard / Standard	Werkstoff / Materials	Abmessungsbereich Dimensional range
1	EN 10222-5	X5CrNi 18-10 (1.4301), X5CrNiMo 17-12-2 (1.4401), X2CrNiMo 17-12-2 (1.4404), X6CrNiTi 18-10 (1.4541), X2CrNi 18-9 (1.4307), X6CrNiMoTi 17-12-2 (1.4571)	Flanges PT Rating: up to PN 160 / Class 2500 DN 15 (1/2 NPS) to DN 1500 (60 NPS) max. 5000 kg
2	EN 10222-4	P355 NH (1.0565) & P355 QH1 (1.0571)	Blind / Tube sheet max. 3000 mm OD / max. 10000 kg Thickness as specified in matr. specification
3	EN 10222-5	X2CrNiMoN 22-5-3 (1.4462)	Rings max. 4350 mm OD / max. 5000 kg Thickness as specified in matr. specification
4	EN 10222-2	P280 GH (1.0426), P305GH (1.0436), 13CrMo4-5 (1.7335), 18MnMoNi5-5 (1.6308)	Flanges and Forgings
5	EN 10025-2	S355J2 (1.0577)	PT Rating: up to PN 160 / Class 2500 DN 15 (1/2 NPS) to DN 1500(60 NPS)
6	EN 10273	P250GH (1.0460)	Thickness as specified in matr. Specification max. 5000 kg
7	EN 10250-2	S355J2G3 (1.0570)	
8	ASME SA-105 ASTM A 105	SA-105 , A 105	<u>Flanges and Forgings</u>
9	ASME SA-266 ASTM A 266	Grade 2 and 4	PT Rating: up to PN 160 / Class 2500 DN 15 (1/2 NPS) to DN 1500(60 NPS)
10	ASME SA-350 ASTM A 350	LF2 Class 1, LF2 Class 2, LF3 Class 1 & LF3 Class 2	<u>Blind / Tube sheet</u> max. 3000 mm OD / max. 450 mm thickness
11	ASME SA-182 ASTM A 182	F1, F11 Class 1, F11 Class 2, F11 Class 3, F12 Class 1, F12 Class 2, F5, F5a, F6a Class 1, F6a Class 2, F6a Class3, F6a Class 4, F9, F22 Class 1, F22 Class 3, F91 Type 1, F91 Type 2, F51, F304, F304L, F304H, F316, F316L, F316H, F321, F321H, F347, F347H, F310, F317, F317L, F22V	<u>Rings</u> max. 4350 mm OD / max. 600 mm thickness
12	ASTM A 694	F60, F65, F70	<u>All</u> Weight as specified in material specification

LR Deutschland GmbH

Hamburg, 21. October 2020

Ort und Datum

A.Schwartz

Name, Unterschrift

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