

CERTIFICATE

**Quality-Assurance System for material manufacturer
according to Pressure Equipment Directive 2014/68/EU**

Certificate no.: 07/202/9030/WZ/2300/18

**Name and address
of the manufacturer:**

**Shanxi Jinzhengda Metal Products Co., Ltd.
Cuijiazhuang Village, Shenshan County, Dingxiang County,
Xinzhou City, Shanxi Province, 035400, P.R. China**

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

**Approved acc. to directive
2014/68/EU:**

**QA-System in relation to materials,
EN 764-5, section 4.2 and AD 2000-Merkblatt W 0**

Certification file no.:

9030AW_2300/18

Audit report file no.:

8116181088

**Scope of approval:
(product / material)**

Forged flanges of ferritic and austenitic steels

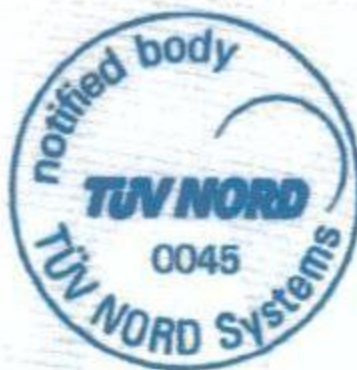
Production site:

**1. Cuijiazhuang Village, Shenshan County, Dingxiang County,
Xinzhou City, Shanxi Province, 035400, P.R. China
2. Zhaojian Village, Shenshan County, Dingxiang County,
Xinzhou City, Shanxi Province, 035400, P.R. China**

The certificate is valid until: August 2021

Only valid in conjunction with a valid certificate acc. to EN ISO 9001.

Hamburg, 25.10.2018



**Notified Body (0045)
for Pressure Equipment**


Dr. Fechner

**TÜV NORD Systems GmbH & Co. KG,
Große Bahnstraße 31, D-22525 Hamburg**

Annex: scope of approval

**Region: STW-HH
D-22525, Hamburg
Technikzentrum**

**Phone: +49-(0) 40-8557-2368
Fax: +49-(0) 40-8557-2710
e-mail: technikzentrum@tuv-nord.de**

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

TÜV NORD Systems GmbH & Co. KG

Notifizierte Stelle für Druckgeräte der TÜV NORD Systems GmbH & Co. KG (Reg.-Nr. 0045)
Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045



Geltungsbereich der Überprüfung von Werkstoffherstellern gemäss Druckgeräte Richtlinie 2014/68/EU, Anhang I, Nr. 4.3 und AD 2000-Merkblatt W 0
Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU, annex I pt. 4.3 and AD 2000-Guideline W 0

Anlage zum Zertifikat / Annex to Certificate

Firma/firm: Shanxi Jinzhengda Metal Products Co., Ltd.
Ort / place: Shanxi Province, 035400, P.R. China

DGRL-Nr.: 07/202/9030/WZ/2300/18
AD 2000-W0-Nr.: 07/203/9030/WP/2300/18

Datum / Date : 25.10.2018 / Ma, Fechner
Aktenz. / File: 9030AW_2300/18
SAP: 8116181088



lfd.Nr No.	Werkstoffbezeichnung Material Designation	Spezifikation Specification	Lieferzust. Delivery Condition	Erzeugnisform Type of Product	Abmessung / Dimension Dicke [mm] Thickness	Ø [mm] [kg/t]	Prüfgrundlagen Anforderungen Requirements	Bemerkungen / Remarks Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich- FB-320_DE-ENG rev. 01/07.16
1	2	3	4	5	6	7	8	9
1.1	P245GH (1.0352) P250GH (1.0460) P280GH (1.0426) P305GH (1.0436) P235GH (1.0345) P265GH (1.0425) P295GH (1.0481) 11CrMo9-10 (1.7383) 13CrMo4-5 (1.7335) 16Mo3 (1.5415) X16CrMo5-1 (1.7366) X10CrMoVNb9-1 (1.4903)	DIN EN 10222-2	+N, +NT, +QT +N +N, +NT, +QT +N, +NT, +QT +N +N +N +NT, +QT +NT, +QT +NT, +QT +NT, +QT +NT	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	8-160 mm 8-300 mm 8-160 mm 8-160 mm 8-160 mm 8-100 mm 8-100 mm 8-300 mm 8-300 mm 8-250 mm 8-300 mm 8-130 mm	15-2500 mm ≤ 2500 kg	Richtlinie 2014/68/EU Directive 2014/68/EU EN 13445-2 EN 13480-2	Zertifiziert gemäß Druckgeräte Richtlinie Anhang I, Nr. 4.3 durch die Notifizierte Stelle der TÜV NORD Systems (Reg.-Nr. 0045) Certified acc. to PED annex I, pt. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
1.2	P285NH (1.0477) P355NH (1.0565) P420NH (1.8932) P285QH (1.0478) P355QH1 (1.0571) P420QH (1.8936)	DIN EN 10222-4	+N +N +N +QT +QT +QT	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	8-70 mm 8-70 mm 8-70 mm 8-300 mm 8-300 mm 8-300 mm	15-2500 mm ≤ 2500 kg		

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Erläuterungen / Explanation:
EN 10027-1:2017, Tab. 18

+AT = Lösungsgeglüht / solution annealed; +N = Normalgeglüht, normalisierend umgeformt / normalized forming; +U = unbehandelt / untreated
+NT = Normalgeglüht und angelassen / normalized and tempered; +QT = vergütet / quenched and tempered; +M = Thermomechanisch umgeformt / thermo mechanical forming
+AR = wie gewalzt / as rolled; +SR = Spannungsarmgeglüht / stress relieved; +A = weichgeglüht / soft annealed; +CR = kaltgewalzt / cold rolled

Hinweis zu Werkstoff gem. Richtlinie 2014/68/EU / Hints for materials use acc. to Directive 2014/68/EU :

Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.
The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge



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1	2	3	4	5	6	7	8	9
1.3	1.4301 1.4307 1.4401 1.4404 1.4541 1.4571	DIN EN 10222-5	+AT +AT +AT +AT +AT +AT	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	8-250 mm 8-250 mm 8-250 mm 8-250 mm 8-250 mm 8-250 mm	15-2500 mm ≤ 2500 kg		
2.1	S235JRG2 (1.0038) S235J2G3 (1.0116) S355J2G3 (1.0570)	DIN EN 10250-2	+N +N +N	Forged Flange Forged Flange Forged Flange	8-300 mm 8-300 mm 8-300 mm	15-2500 mm ≤ 2500 kg	AD 2000-Merkblatt W9	
2.2	P245GH (1.0352) P280GH (1.0426) P305GH (1.0436) P235GH (1.0345) P265GH (1.0425) P295GH (1.0481) 11CrMo9-10 (1.7383) 13CrMo4-5 (1.7335) 16Mo3 (1.5415)	DIN EN 10222-2	+N, +NT, +QT +N, +NT, +QT +N, +NT, +QT +N +N +N +NT, +QT +NT, +QT +NT, +QT	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	8-160 mm 8-160 mm 8-160 mm 8-160 mm 8-100 mm 8-100 mm 8-300 mm 8-300 mm 8-300 mm	15-2500 mm ≤ 2500 kg	AD 2000-Merkblatt W9	



lfd.Nr No.	Werkstoffbezeichnung Material Designation	Spezifikation Specification	Lieferzust. Delivery Condition	Erzeugnisform Type of Product	Abmessung / Dimension Dicke [mm] Thickness	Ø [mm] [kg/t]	Prüfgrundlagen Anforderungen Requirements	Bemerkungen / Remarks Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich- FB-320_DE-ENG rev. 01/07.16
1	2	3	4	5	6	7	8	9
2.3	1.4301 1.4307 1.4401 1.4404 1.4541 1.4571	DIN EN 10222-5	+AT +AT +AT +AT +AT +AT	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	8-250 mm 8-250 mm 8-250 mm 8-250 mm 8-250 mm 8-250 mm	15-2500 mm ≤ 2500 kg	AD 2000-Merkblatt W2	1) Nur zur Information / Only for Information Beim Einsatz im Bereich AD 2000 oder der Druckgeräterichtlinie 2014/68/EU ist ein Einzelgutachten (PMA) erforderlich. For use in the area of AD 2000 or the Pressure Equipment Directive 2014/68/EU a Particular Material Appraisal (PMA) is necessary.
3.1	S235JRG2 (1.0038) S235J2G3 (1.0116) S355J2G3 (1.0570)	DIN EN 10250-2 1)	+N	Forged Flange Forged Flange Forged Flange	8-300 mm 8-300 mm 8-300 mm	15-2500 mm ≤ 2500 kg		2) According to technical specification
3.2	LF2	ASTM A 350 1)	2)	Forged Flange	2)	2)		
3.3	A105	ASTM A 105 1)	2)	Forged Flange	2)	2)		
3.4	F52 F60 F65 F70	ASTM A 694 1)	2)	Forged Flange Forged Flange Forged Flange Forged Flange	2) 2) 2) 2)	2) 2) 2) 2)		



Ild.Nr No.	Werkstoffbezeichnung Material Designation	Spezifikation Specification	Lieferzust. Delivery Condition	Erzeugnisform Type of Product	Abmessung / Dimension		Prüfgrundlagen Anforderungen Requirements	Bemerkungen / Remarks Doc.: STW-ZE-AD2000 W0_PED_Geltungsbereich- FB-320_DE-ENG rev. 01/07.16
					Dicke [mm] Thickness	Ø[mm] [kg/t]		
1	2	3	4	5	6	7	8	9
3.5	F304 F304L F316 F316L F321 F316Ti F11 F22 F9 F5	ASTM A 182 1)	2)	Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange Forged Flange	2)	2)		1) Nur zur Information / Only for Information Beim Einsatz im Bereich AD 2000 oder der Druckgeräterichtlinie 2014/68/EU ist ein Einzelgutachten (PMA) erforderlich. For use in the area of AD 2000 or the Pressure Equipment Directive 2014/68/EU a Particular Material Appraisal (PMA) is necessary. 2) According to technical specification