

Jinan Sun-Wei Forging & Casting Co., Ltd.

Zhangqiu Shengjing New&High Tech. Development Garden, Jinan City, China
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We hereby certify that the materials described herein have been manufactured, inspected and tested in accordance with the customer's specification(s), and that they satisfy the requirements.

Approved acc. to AD 2000-Merkblatt W0 and certified acc. to PED (97/23/EC) by Certification Body for Pressure Equipment of TÜV NORD Systems (notified body, reg. no.:0045)

Abnahmeprüfzeugnis 3.1 / Inspection certificate 3.1 / Certificat de reception 3.1

nach / acc. DIN EN10204-3.1B
DIN50049-3.1B

Nr. / No. SW-201403030

Datum / Date 2014-03-31

Zeichen des Herstellers
Manufacturer's brand
Marque de producteur



Stempel des Abnehmers
Stamp of the testing engineer
Etampe do controleur



Besteller MVV-ISO Industrial Valve Trading Ltd.
Customer H-2234 Maglód, Ady Endre utca 25-39, Mailbox: 36
Tel/Fax: +36 29 325133, +36 29 326133

Bestell-Nr / Order-No SOV201402-325
Auftrag / Order 325
Lieferschein / Delivery No. 030

Item No.	Bezeichnung	No. of pieces	Schmelze/Prüflos
Pos.-Nr.	Product	Stueckzahl	Heat no./Test no.
1	DIN2633PN16 WN FLANGE DN65/76.1 (4HOLES)	600	54168 / 27411
2	DIN2631 PN06 WN FLANGE DN150/159	250	Code: 2014-030
3	DIN2631 PN06 WN FLANGE DN80/88.9	800	
4	DIN2631 PN06 WN FLANGE DN125/133	250	
5	DIN2631 PN06 WN FLANGE DN100/108	250	
6	DIN2631 PN06 WN FLANGE DN100/114.3	250	

Werkstoff S235JRG2 DIN EN10250-2

Material

Anford. vereinbarte Abmessungen -dimensions by agreement

Demands AD-2000-Merkbl. W0, W9 -PED 97/23/EC

Härteprüfung gem. AD-2000-Merkbl. W9 / 4.2.3

EEerschmelzung / Melting process E

PREN=Cr+3,3xMo+16xN

$C_{ev} = C + \frac{Mn}{6} + \frac{V+Mo+Cr}{5} + \frac{Ni+Cu}{15}$

Schmelzenanalyse / Ladle analysis

C	Si	Mn	P	S	Cr	Ni	Ti	Mo	Nb	V	N	Cu	Al		
0.15	0.21	0.41	0.022	0.020	0.010	0.01		0.003					0.022		

Mechanische Prüfungen / Mechanical tests

Probenlage: q/t Pos. of Spec: q/t				Zugversuch -DIN EN 10002-1 Tensile Test -ASTM A 370			$l_0 = 5d_0$ $l_0 = 4d_0$		KBV / Charpy Impact Test DIN EN 10045-1				Härte Hardness ISO 6506 HBW 2,5/187,5
Temp ° C	Streckgr./Yield strengt		Zugfestigkeit Tensile strenght N/mm²	Bruchdehng. Elongation %	Einschnürg. Red. of area %	Temp. °C	Einzelwerte Single values J			Mittelwert Average J			
	0,2% N/mm²	1,0% N/mm²											
20	min	215		340	24		20	35			35		
	max											187	
20		240		355	33		20	48	53	57	53	121	
20		239		370	32		20	59	52	49	53	124	
20		248		365	30		20	56	50	61	56	120	
20		245		364	34		20	55	49	60	55	123	

Place
Ort
Zhangqiu Shengjing in China

Date 2014-3-31
Datum

Work's Inspector
Werkssachverständige

