

210958



ECHJAY FORGINGS PVT. LTD.
PUSHPAMAN FORGINGS DIVISION

Honad Village, Khalapur Taluka, Raigad District, Khopoli, Maharashtra 410203, India.

EN 10204 JAN 2005 - 3.1



MILL TEST CERTIFICATE

Abnahmeprufzeugnis / Test Report

(AD-2000-Merkblatt WO Certificate No. 07 202 W 1409 D6 00029 of RW/TUV

(PED 97 / 23 / EC Certificate No. 07 202 2 1409 06 00032)

T.C. No. EF2009-EXP-00187-012-061

T.C. Date 16-Sep-2008

Bestler / Customer :

Date 13-May-2008

Bestler No. / Order No. IOJO1066AP

Zeichen des Herstellerwerkes / Manufacturer's Brand



Erzeugnis / Werkstoff
 Item Description / Material

Article No.

Schmelze Nr./Des Proflozes
 Heat / Lot No.

Stückzahl
 Qty.

ANSI B16.5 BL RF 600 2.00

D238

50

ASTM A182 F316/316L

AA-82

Nos

Anforderungem / Demands

Heat Treatment

Stempel des Abnehmers

ASTM A 182 / ASME SA 182 - 2007, ASME B 16.5 - 2003
 NACE MR - 0175.

Solution Annealed



Stamp of the testing engineer

Exigencias Sinormas / Requirements

	%C	%Mn	%Si	%S	%P	%Ni	%Cr	%Mo	%Cu	%V	%Al	%Ti	%Cb	%N	%Co	%	%	%
Min	-	-	-	-	-	10.0000	16.0000	2.0000	-	-	-	-	-	-	-	-	-	-
Max	0.0300	2.0000	1.0000	0.0300	0.0450	14.0000	18.0000	3.0000	-	-	-	-	-	0.1000	-	-	-	-

Schmelzen Analyse / Heat Analysis

	0.0240	1.5900	0.4400	0.0270	0.0380	10.0600	16.8700	2.0300	-	-	-	-	-	-	0.0698	-	-	-
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Erשמלזונגסארט / Melting Process Electric Furnace & Refining through AOD

Probe Sample	Rch / Rp Mpa (N / mm ²) / PSI	Rm Mpa N / mm ² / PSI	A (%) Lo = 4D	A (%) Lo = 5.65 A	Z (%)	Hardness HRC / BHN
	0.2 %	1.0 %				

Nr No.	Large Orientation	Anforderungem / Demands							
TANG	Min	205/30000			515/75000	30		50	
	Max								22/187

Prufbergabnisse / Test Results

TANG	270			581	60.80		73.71	<14 HRC
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Charpy Impact Test

Form / Forms ISO V Av / K (J)

	I	II	III	AVG.	TEMP.
Specified					
Observed					

Sonstiges / Other Remarks

PMI Test: 100 % No Objections

Dimension & Visual Check: 100% Satisfactory

IGC- test in accordance with ASTM A 262 Pract. E: Satisfactory.

Radioactivity checked - (µR/hr) Radiation level found within limits w.r.t. natural background.

FLANGE FACING 3.2-6.3 RA.

Echjay Forgings Pvt. Ltd.

Checked By

S. Y. Naik

Kishore Shringarpure

Vice President (Q.A.)

Works Authorised Inspector

We confirm that the products have been supplied in accordance with the requirements of the order and the specifications .

The Saraswat Co-op. Bank Ltd.

Chhatkoper Branch,

01708EBCS0132185

F-LB-14-Rev.-00