

RING FORGINGS PRIVATE LIMITED

A-283/284, 6th main, 2nd Stage, Peenya Industrial Estate, BANGALORE - 560 058.

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TEST CERTIFICATE - EN 10204 : 3.1

TC No. : RF / TC / 0519 / 2024 - 25 DATE : 25.04.2024

1. Customer	: M/s. JC VALVULAS INDIA PVT LTD	4. Heat Number	: C45206
2. P.O. No.	: JCRM - 2324000515	5. Invoice Number	: RF/2425/0519
3. Material	: ASTM A105/ A105M-23	6. Reduction Ratio	: 4 : 1 Min

COMPONENT DETAILS

SL.NO.	PART DESCRIPTION	PART NUMBER/ DRAWING NO	Qty
1	SEAT RM OD 376 X ID 299 X 78 MM	XRM-376-078-299-34A	4

CHEMICAL COMPOSITION (Wt.%)

Elements	C%	Mn%	Si%	S%	P%	Ni%	Cr%	Cu%	Mo%	V
Min	-	0.60	0.10	-	-	-	-	-	-	-
Max	0.35	1.05	0.350	0.040	0.035	0.40	0.30	0.40	0.12	0.08
Product Values	0.197	0.914	0.253	0.012	0.021	0.063	0.084	0.062	0.010	0.002

HEAT TREATMENT

HT BATCH NO	TYPE OF HEAT TREATMENT	TEMPERATURE	SOAKING TIME	COOLING MEDIA
PC1633	NORMALIZING	920 °C	5 HOURS	AIR

MECHANICAL TEST AS PER ASTM A370

PARAMETER	UTS - Mpa	Offset YS 0.2 % - Mpa	%EL	%RA	HARDNESS - HBW
Min	485	250	22	30	-
Max	-	-	-	-	197
Actual Values	521	318	35.7	72.6	157 -161

Supply Condition : FORGED, NORMALIZED & PROOF MACHINED.


Identified as follows: RFPL / A105 / PART NO / HEAT NO : C45206/PC1633

Remarks :

- (1) SPECIFICATION AS PER JC-MDS-34A Rev. 5
- (2) NO WELD REPAIR WAS CARRIED OUT.
- (3) MATERIAL COMFORM TO THE NACE MR0175 : 2021 .
- (4) MATERIAL IS FREE FROM RADIOACTIVE CONTAMINATIONS.
- (5) VISUAL EXAMINATION WAS PERFORMED AND RESULTS FOUND SATISFACTORY AS PER ASME BPVC Section VIII, Division 1, UF-45 AND UF-46

We hereby certify that the items mentioned above have been tested and inspected in our presence in accordance with drawings and satisfy the requirements of ASTM A105/ A105M-23. The results comply with product description.

For RING FORGINGS PVT LTD



NISHANTH G
QA ENGINEER

JC Valvulas India Pvt. Ltd.
Chennai, Tamil Nadu, India
Verified & Accepted
C. Athiyar
QA