

QCF 07

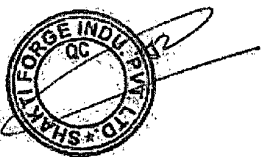

Rev : 00/01/12/2015



SHAKTI
Forge Industries Pvt. Ltd.
An ISO 9001 : 2015 Certified

-: TEST CERTIFICATE :-

(In Accordance with EN 10204:2005 (E) Type 3.1)

CERTIFICATE NO.: SFIPL/TC/E/2021/1034							DATE: 1\Feb\21						
CUSTEMER:							PO. NO.: 279292						
Item Details as follow :-							PROCESS OF MANUFACTURING:- HOT FORGING						
Po. Sr.NO	ITEM DESCRIPTION				Material Specification	Size X Class		Qty	Lot No	HT NO			
051	90DEG ELBOW NPT				SA / A105N	2" 3000#		415	C127	101454			
MILL TEST PROPERTIES													
Lot NO	HT NO.	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	V	Al	CE
Min		-	0.60	0.10	-	-	-	-	-	-	-	-	-
Max		0.350	1.050	0.350	0.040	0.035	0.300	0.400	0.120	0.400	0.080	-	0.470
C127	101454	0.180	1.2*	0.240	0.010	0.027	0.016	0.001	0.001	0.001	0.002	0.024	0.383
CHEMICAL PROPERTIES (TEST METHOD AS PER ASTM E-415)													
Lot NO	HT NO.	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	V	Al	CE
Min		-	0.60	0.10	-	-	-	-	-	-	-	-	-
Max		0.350	1.050	0.350	0.040	0.035	0.300	0.400	0.120	0.400	0.080	-	0.470
C127	101454	0.226	1.21*	0.276	0.021	0.028	0.002	0.002	0.015	0.001	0.001	0.030	0.431
MECHANICAL PROPERTIES (TEST METHOD AS PER ASTM A370)													
Lot NO	HT NO.	Yield Strength / (0.2 % Offset method) MPa		Ultimate Tensile Strength Mpa		ELONGATION (%) G.L.=4D		REDUCTION IN AREA %		HARDNESS IN BHN		Heat Treatment	
Min		250.00		485.00		22.00%		30.00%		137		Normalizing at 910°C Soaking Time 01:30 HRS	
Max										187			
C127	101454	328.78		530.86		29.24		51.85		156 - 159			
IMPACT TEST (TEST METHOD AS PER ASTM A370, ASTM E23)													
Lot NO	HT NO.	Specimen Size:- 10 X 10 X 55MM					Test Temperature:- 0 °C						
		Min Impact Energy For One Specimen of Set (22J)					Min Impact Energy For Avg. of Each Set (27J)						
C127	101454	116.00					68.00 72.00 85.33						
MARKING DETAILS :- (BRAND, MATERIAL+N, LOT NO, STD, PRESSURE, SIZE, COUNTRY OF ORIGIN)													
MATERIAL STANDARD : ASME Section II Part-A SA105 - 2019 / ASTM A105 - 2018							DIMENSION STANDARD :- ASME B16.11 - 2016						
GALVANIZING STANDARD :- N.A.							THREADING STANDARD :- ASME B1.20.1 - 2013						
Remark :- MATERIAL CONFIRMS TO ASME Section II Part-A SA105 - 2019 / ASTM A105 - 2018													
* For each reduction of 0.01% below the specified carbon max.(0.35%), an increase of 0.06% manganese above the specified max.(1.05%)willbe permitted up to a max of 1.65%.													
We hereby certify that the fitting was manufactured, sampled, tested and inspected in the specification and was found to meet the requirements													
For, Shakti Forge Industries Pvt. Ltd.				For, Shakti Forge Industries Pvt. Ltd.				For Client / Third Party Insp. Agency					
													
(Inspected By)				(Approved By)				(Auth. Signature & Stamp)					

