

QC F 07

Rev : 00/01/12/2015



# SHAKTI

Forge Industries Pvt. Ltd.

CIN No. U29100GJ2015PTC084600

An ISO:9001 Certified

Manufacturer of Pipe Fitting & Flanges

Forgings, Precision Components & Industrial Suppliers

## -: TEST CERTIFICATE :-

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

CERTIFICATE NO.:		SFIP/TC/E/2022/5318				DATE:		1/May/22					
CUSTOMER:						PO. NO.:		315120					
Item Details as follow :-						PROCESS OF MANUFACTURING:-		HOT FORGING / MACHINING					
Po. Sr.NO	ITEM DESCRIPTION	Material Specification		Size X Class		Qty	Lot No	HT NO					
006	90DEG ELBOW SW	SA / A105 N		2" 3000#		384	D135	113612					
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
D135	113612	0.210	0.940	0.160	0.018	0.020	0.011	0.002	0.001	0.001	0.002	0.049	0.369
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
D135	113612	0.215	1.002	0.150	0.019	0.019	0.018	0.009	0.034	0.005	<0.001	0.032	0.394
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						
D135	113612	343.76	541.55	28.10		57.60	159 - 162						
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 :-		N.A.					
Remark :- MATERIAL CONFIRMS TO ASME Section II Part-A SA105 - 2019 / ASTM A105 - 2018													
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)					

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