

QC F 07

Rev : 00/01/12/2015



SHAKTI

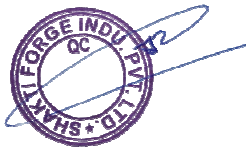

Forge Industries Pvt. Ltd.

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.:		SFPL/TC/E/2022/8040					DATE:		22/Jul/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 / A105N			2" 3000#		2928	E120	200470				
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
E120	200470	0.210	1.3*	0.200	0.010	0.025	0.005	0.002	0.001	0.002	0.001	0.025	0.428
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
E120	200470	0.203	1.328*	0.208	0.012	0.021	0.007	<0.002	<0.001	0.003	<0.001	0.012	0.426
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 and Air Cooled.	
Max		-		-		-		-		187			
E120	200470	326.21		516.50		25.70		51.55		156 - 159			
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													
* 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%)will be 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)					

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Reg. / Corp. Office & Factory :

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