

QC F 07

Rev : 00/01/12/2015

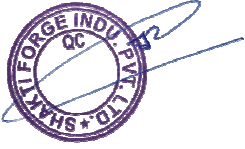



SHAKTI
Forge Industries Pvt. Ltd.
CIN No. U29100GJ2015PTC084600

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/2022/11063		DATE: 11/Oct/22											
CUSTOMER:		PO. NO.:											
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.							
009	90DEG ELBOW SW	SA/A105N	3" 3000#	35	C107	916458							
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
C107	916458	0.190	1.06*	0.230	0.018	0.024	0.014	0.001	0.001	0.002	0.001	0.020	0.370
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
C107	916458	0.220	1.107*	0.236	0.023	0.024	0.005	0.012	0.001	0.006	0.001	0.011	0.407
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							
C107	916458	343.620	542.790	31.880	57.450	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													
* 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							
 Kakhela Jayesh QA/QC (Inspected By)			 Naitik Thaker Quality Manager (Approved By)			(Auth. Signature & Stamp)							

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Reg. / Corp. Office & Factory :

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