

QC F 07

Rev : 00/01/12/2015

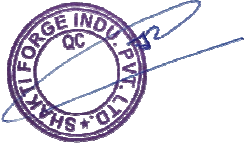



**SHAKTI**  
Forge Industries Pvt. Ltd.  
CIN No. U29100GJ2015PTC084600

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.: SFJPL/TC/E/2022/11118						DATE: 11/Oct/22							
CUSTOMER: DODSON GLOBAL INC.						PO. NO.: 327303							
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.	
053	TEE NPT					SA/A105N	2" 3000#			350	E182	203301	
<b>MILL TEST PROPERTIES</b>													
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
E182	203301	0.180	1.14*	0.150	0.028	0.030	0.020	-	-	0.002	0.003	0.035	0.374
<b>CHEMICAL PROPERTIES (TEST METHOD AS PER ASTM E-415)</b>													
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
E182	203301	0.215	1.156*	0.165	0.020	0.024	0.013	0.006	0.003	0.005	<0.001	0.015	0.412
<b>MECHANICAL PROPERTIES (TEST METHOD AS PER ASTM A370)</b>													
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			
E182	203301	323.030		542.230		30.120		41.340		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 :- ASME B1.20.1 - 2013(R2018)							
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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