

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.: SFIPL/TC/E/2022/2483						DATE: 8/Mar/22							
CUSTOMER: DODSON GLOBAL INC.						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	
059	FULL COUPLING NPT					SA / A105 N	1" 3000#			250	D182	151587	
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
D182	151587	0.230	1.2*	0.250	0.012	0.025	0.016	0.001	0.001	0.002	0.001	0.050	0.430
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
D182	151587	0.242	1.216*	0.221	0.024	0.026	0.003	0.005	<0.0010	<0.0002	0.002	0.027	0.446
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						
D182	151587	351.08	535.07	26.40		51.17	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					
													
(Inspected By)				(Approved By)				(Auth. Signature & Stamp)					

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