



CERTIFICATE NO. 16570 DATE 13/06/2020

NAME OF BUYER
ALLIED FITTING L.P.

RAW MATERIAL SPECIFICATION : ASTM A105-18/ASME SA105-17

SPECIFICATION FOR INSPECTION : ANSI/ASME B16.5-2017

P.O NO. PO10098 DT. 20/02/2020

INVOICE NO. EXP/20-2045 DT. 11/06/2020

MECHANICAL REQUIREMENTS

Sr. No.	Description	Qty (PCS)	Heat No.	Supp. Code	Y.S(Psi) Min 36,000	T.S(Psi) Min 70,000	E% Min 22%	R.A% Min 30%	Heat Treatment	Soaking Time (Min.)	Hardness BHN 137-197
1	3 150# THRD RF FLGS L1TR3-RG	35	H7099	20	48993	73719	30.28	67.04	AS FORGED		152 - 154
2	3 150# THRD RF FLGS L1TR3-RG	865	H7168	20	48365	79429	33.60	69.57	AS FORGED		152 - 154
3	3 150# THRD FF FLGS L1TF3-RG	143	H7168	20	48365	79429	33.60	69.57	AS FORGED		152 - 154
4	3 150# THRD FF FLGS L1TF3-RG	7	H6961	19	52819	79843	33.60	68.39	AS FORGED		152 - 154
5	2 1/2 150# WNFF STD FLGS LIWFS2.5-RG	200	H7168	20	48365	79429	33.60	69.57	AS FORGED		152 - 154
6	3 150# SORF FLGS L1SR3-RG	1600	H7168	20	48365	79429	33.60	69.57	AS FORGED		152 - 154
7	3 150# SOFF FLGS L1SF3-RG	300	H7168	20	48365	79429	33.60	69.57	AS FORGED		152 - 154
8	6 150# BLRF FLGS L1BR6-RG	600	H7156	19	48822	81630	33.98	69.61	AS FORGED		152 - 154

CHEMICAL REQUIREMENTS

Sr. No.	Heat No.	SPECIFIED ELEMENTS						UNSPECIFIED ELEMENTS						
		C.E. 0.47% Max	C 0.35 Max	Mn 0.60-1.25	P 0.035 Max.	S 0.04 Max.	Si 0.10 -0.35 Max.	Cu 0.40 Max.	Ni 0.40 Max	Cr 0.30 Max.	Mo 0.12 Max.	V 0.08 Max.	Pb 0.010 Max.	Al 0.020 Min.
		1	H7099	0.38	0.20	0.95	0.023	0.012	0.22	0.038	0.024	0.063	0.005	0.004
2	H7168	0.38	0.20	0.93	0.024	0.013	0.24	0.054	0.023	0.101	0.006	0.002	0.001	0.025
3	H7168	0.38	0.20	0.93	0.024	0.013	0.24	0.054	0.023	0.101	0.006	0.002	0.001	0.025
4	H6961	0.41	0.20	1.23	0.013	0.014	0.20	0.002	0.008	0.006	0.003	0.002	0.010	0.035
5	H7168	0.38	0.20	0.93	0.024	0.013	0.24	0.054	0.023	0.101	0.006	0.002	0.001	0.025
6	H7168	0.38	0.20	0.93	0.024	0.013	0.24	0.054	0.023	0.101	0.006	0.002	0.001	0.025
7	H7168	0.38	0.20	0.93	0.024	0.013	0.24	0.054	0.023	0.101	0.006	0.002	0.001	0.025
8	H7156	0.40	0.20	1.21	0.021	0.008	0.24	0.003	0.004	0.009	0.003	0.001	0.001	0.025

Certificate that the materials described above are in accordance with the order and specifications.
Material in accordance with NACE MRO 175-2015/ISO-15156 and NACE MRO 103-2015

For R.N. GUPTA & COMPANY LTD. Page No : 1

Note:- We hereby confirm that our QA system comply with requirements of Annex I, Clause 4.3 of PED 2014/68/EU and it is certified by M/s DNV BUSINESS ASSURANCE vide certificate No. 4487-2014-CE-IND-DNV-GL Valid upto 31-03-2020. ISO 9001:2015 certificate No. is 39752-2008-QA-IND-RvA Valid upto 22/07/2020. Products also conform to requirements of ASTM A105/ASME SA105

AJAY KUMAR BHARTI (METALLURGIST)

Stock 4709893 08/16/2021

 MATCONOR MN150FSF10 3IN 150LB SLI
 ON WELD FLANGE FF