



M.K. Forge



Manufacturing of Shank Hooks, Ramshorn Hooks, Eye Bolt, Ring, & Type of Lifting Tackels Forging)
 Plot No. 1, Ganga Devi Road, Post, Palanpur, Umrigam, Walsad, (Gujarat) 396171
 Contact :- 7600442775 Email :- gnumer@mkforge.com

Date : 04.08.2020
 Sr. No. -0109

CERTIFICATE OF TEST AND EXAMINATION

M/S. SNS ENGINEERING NTA PRIVATE LIMITED

Order No - SNS NTA/5 Our Challan No. : 0109 Date : 24.07.2020

We hereby warrant that the HOOKS/SWIVEL/D'SHACKLE described here under conforms in all respect.

Description : HOOKS AS PER IS 8610/IS 3815/IS 3092/IS 15560 : 2005/IS 0759/IS 6130/IS 3017

Identification Mark & Distinguishing Mark on Hooks			Description of Hooks IN TONS	Material Specn. Grade	Proof Load Applied	Break Load Test Destructive Results IS 1447	Safe Working Load / Lifting Capacity	Heat No.
Qty	CAP / Gr.	Sr. No. :						
05 Nos.	3.2 T	MK-01 TO MK-05	3.2 T	CL-III IS: 1875 Grade "M"	6.4 T	Test on 1 No. sample & result found satisfactory of a lot of every 10 Nos. of hooks.	3.2 T	---

CHEMICAL COMPOSITION				MECHANICAL PROPERTY			
C =	0.31 %	P =	0.038 %	U.T.S.	=	6.00 Kg/sqmm2/ N/MM2	
Mn =	0.75 %	Cr =	%	Elong	=	8.00 %	
Si =	0.18 %	Mo =	%	YS	=	9.00 Kg/sqmm2/ N/MM2	
S =	0.035 %	Ni =	%	HARDNESS	=	150 HB	

OPTIONAL TESTS

- 1) Ultrasonic Test as per ASTM A-388 ASME SEC VIII DIV 2 AM 203.2C = OK
- 2) MPI Test as per ASME 709 free from Surface Defect = O.K

Particulars of heat treatment to which the HOOKS have been subjected starting temperature and method of cooling are as follows:

- a) Normalizing by heating to a temperature within 50° C above the upper critical point of the steel used, followed by cooling in still air. (Restricted to Grade 'M' only.)
- b) Hardening and tempering by heating to a temperature within 50° C above the upper critical point of the steel used followed by quenching in oil or water and tempering (For Grade 'S' HOOKS & above)

STRESS RELIEVED

WE HEREBY CERTIFY THAT THE ABOVE HOOKS/TACKLE HAS BEEN SUBJECT TO THE APPROPRIATE PROOF LOAD AS REQUIRED BY IS 1447-1975 AND WAS SUBSEQUENTLY EXAMINED BY A COMPETENT PERSON FURTHER CERTIFIED THAT THE SAMPLES TESTED TRULY REPRESENT THE LOT OF WHICH THIS CONSIGNMENT FORMS PART AND THAT THESE WERE SELECTED AND TESTED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS.

DATE 04.08.2020





M.K. Forge



(Manufacturing of : Shank Hooks, Ramshorn Hooks, Eye Bolt, Ring, & All Type of Lifting Tackels Forging)

Survey No.32/1, Plot No.1, Ganga Devi Road, Post. Palgam, Umbergaon, Dist. Valsad, (Gujarat) 396171

Contact :- 7600442275, Email:- kgnumergeon@gmail.com

Date : 08.08.2022

Sr. No. 0412

CERTIFICATE OF TEST AND EXAMINATION

To, M/s. SNS ENGINEERING NTA PRIVATE LIMITED

Our Challan No. 0412

Date : 25.07.2022

PO NO - SNS/2022-23/24

We hereby warrant that the HOOKS/SWIVEL/SHACKLE described here under confirms in all respect.

Description : HOOKS AS PER IS-8610/IS-3815/IS-3092/IS-15560 : 2005/IS-0759/IS-6132/IS-3017-

Identification Mark & Distinguishing Mark on Hooks			Description of Hooks IN TONS	Material Specn. Grade	Proof Load Applied	Break Load Test Destructive Results IS : 7847	Safe Working Load / Lifting Capacity	Heat No.
Qty.	CAP / Gr.	Sr. No. :						
05 Nos.	5.0 T	MK-01 TO MK-05	5.0 T	CL-III IS: 1875 Grade "M"	10.0 T	Test on 1 No. sample & result found satisfactory of a lots of every 08 Nos. Hooks.	5.0 T	

CHEMICAL COMPOSITION

C =	0.30 %	P =	0.038 %
Mn =	0.72 %	Cr =	%
Si =	0.18 %	Mo =	%
S =	0.034 %	NI =	%

MECHANICAL PROPERTY

U.T.S.	=	56.00 Kg/sqmm2/ N/MM2
Elong	=	28.00 %
YS	=	29.00 Kg/sqmm2/ N/MM2
HARDNESS	=	150 HB

OPTIONAL TESTS

- 1) Ultrasonic Test as per ASTM A-388 ASME SEC VIII DIV-2 AM 203.2C = OK
- 2) MPI Test as per ASME 709 free from Surface Defect = O.K

Particulars of heat treatment to which the HOOKS have been subjected starting temperature and method of cooling are as follows.

- a) Normalizing by heating to a temperature within 50° C above the upper critical point of the steel used, followed by cooling in still air (Restricted to Grade 'M' only.)
- b) Hardening and tempering by heating to a temperature within 50° C above the upper critical point of the steel used Followed by quenching in oil or water and tempering (For Grade 'S' HOOKS & above)
- c) STRESS RELIVED

WE HEREBY CERTIFY THAT THE ABOVE HOOKS/TACKLE HAS BEEN SUBJECT TO THE APPROPRIATE PROOF LOAD AS REQUIRED BY I.S. 7847-1975 AND WAS SUBSEQUENTLY EXAMINED BY A COMPETENT PERSON FURTHER CERTIFIED THAT THE SAMPLES TESTED TRULY REPRESENT THE LOT OF WHICH THIS CONSIGNMENT FORMS PART AND THAT THESE WERE SELECTED AND TESTED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS.

DATE : 08.08.2022

