

12-11-03

CERTIFICATE TEST

According to EN10204 3.1

This certificate has been issued by a department independent of the Manufacturing Department and is validated by an

	representati milar source	ive of the states.	aff indepe	ndent	of the	Manufact	turing Depa	rtment	All	data conta	ined here	with been
#	We hereby certify that the Equipment described below was manufactured and Tested for the stated cold working pressure.											
#	Surface NDE has been carried out by ASNT Level II operator in accordance With ASTM E709 MPI and UT By ASTM A388 for ferromagnetic materials forging. Acceptance criteria in accordance with procedure no. WI/QA/36 (UT) And WI/QA/25 (MPI).											
	The equipment has been manufactured in accordance with requirements of NACE MR 0175 for H2S service.											
We hereby c	onclude tha	t the equipn	nent is fit	for ser	vice a	nd pressu	re as Indicat	ed bel	ow.			
ABCO Dispatch Ref. No. 3048					T.C. No. 3048-11/ Date - 14.02.2022							
P.O. No. 004	1049											
Description				Heat No.		Batch No.	Part No.			sembly r. No.	Qty. (Nos.)	Material Grade
	"Fig 1502 Hammer Union Threaded, 15000 PSI CWP Std. service.								1	TO 30	30	
b.) 2" Fig 15	2" Fig 1502 Male Thread. 2" Fig 1502 Female Thread. 2" Fig 1502 Wing Nut.				4130 4130 1-03	QB2 QB4 B1	1502MT0200 1502FT0200 1502WN0200					AISI 4130 AISI 4130 AISI 4130
		C h	e m	i c	a l	I A	nal	y s	i s	Š		
Heat No.	Batch No.	C %	Mn %	Si	%	P %	S %	Cr	%	Ni %	Mo %	V %
19M4130	QB2	0.285	0.503	0.2	25	0.018	0.011	0.94	1 6	0.120	0.156	0.004
19M4130	QB4	0.285	0.503	0.2		0.018	0.011	0.9		0.120	0.156	
12-11-03	B1	0.32	0.54	0.3	30	0.015	0.015	0.8	5	0.11	0.17	0.007
	T	P h y	si	с а		Pro	ре	^ t	i e	S		
Heat No.	Batch No.	Yield Strength (PSI)	Tens Stren (PS	gth	Elo	ngation %	Red. Area %	-	Charpy 'V' Notch - 50°C (10X10mm)		Hardness HBW	
19M4130	QB2	90636	1024	50	2	29.28	63.46	63.46 50, 46, 48 AV 48.00 J		3.00 J	219	
19M4130	QB4	90834	1029	10	2	29.48	64.04	64.04 48, 42, 48 AV 46.00 J		5.00 J	215	

Note - Specimen size 10x10 mm² below the surface for thickness up to 50 mm while at T/4" for greater thickness.

27.16

61.56

107324

94886

229

38, 42, 42 AV 40.67 J



Heat Treatment -

- 1) **19M4130 QB2** Normalized at 900°C for 2:30 hrs. Then air cool. Quenching in water. Temperature of water before quenching 29°C after quenching 38°C. Tempering in 660°C for 4 hrs. Then allow cooling up to room temperature.
- **2) 19M4130 QB4 -** Normalized at 900°C for 2:30 hrs. Then air cool. Quenching in water. Temperature of water before Quenching 28°C after Quenching 37°C. Tempering in 660°C for 4 hrs. Then allow cooling up to room temperature.
- **3) 12-11-03 B1 -** Normalized at 880°C for 2:40 hrs. Then air cool. Quenching in water. Temperature of water before Quenching 36°C after Quenching 43°C. Tempering in 680°C for 4 hrs. Then allow cooling up to room temperature.

Remarks: Stamping -

- 1) Male ABCO 2 1502 15K CWP 19M4130 QB2 6325M-25 22.5K INDIA
- 2) Female ABCO 2 1502 15K CWP 19M4130 QB4 6325N-25 22.5K INDIA
- 3) Wing Nut ABCO 2 FIG 1502 15000 CWP 12-11-03 B1 6325O-25

(Sr. No. 1 TO 30)

Compiled By	-azulin	Signed By	THERM		
Complied By	Ajit Patil	Signed by	Alpesh Patel Manager Q.A.		