



# MATERIAL CERTIFICATE

PS07/F2  
rev.1

**SUPPLIER: HB**  
ISO 9001: approved  
CE 2014/68/EU: approved

**JCFV CERTIFICATE**  
P.O. Nº : 335465  
DATE: 22.12.2020

**EN 10204 – 2.2**  
MAT. CERT. Nº: SH039737  
DATE : 30.03.2021

**COMPONENT : BOLT**

**SPECIFICATION / MATERIAL :**

3/8"\*36-12-9 / ISO 898-1 Class 8.8 Ed.13+WHITE ZINC

**HEAT TREATMENT:**

QUENCHING 955±10°CX60±5MIN+OIL COOLING AND TEMPERING  
590±10°CX60±5MIN+AIR COOLING.

**MACRO ETCH TEST:**

SATISFACTORY

CHEMICAL COMPOSITION %						PHYSICAL PROPERTIES						
Heat Nº	Qty	C	S	P	B	Yield St. 0.2%	Tensile St.	Elonga Tion (4D)	Reduc. Area	Hardness	Impact Strength ISO V	T.
		Min	Max			Mpa	Mpa	%	%	HB	J	°C
<b>BOLT</b>												
6502773	100	0.34	0.005	0.024	<0.001	660	826			263		

**REMARKS**

- 1.- Visual inspection: accepted according PS04/I1 OR PS04/I9 (Standard) JC IT. Other information: no major repairs carried out.
- 2.- We certify that the above material has been manufactured and processed according to requirement of the above P.O.
- 3.- The results above indicated are exact transcription from the corresponding certificates, which are filed in our factory, issued by our homologated suppliers.

**JC FABRICA DE VALVULAS S.A.U.**  
Quality Control Dep.

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