



## **DECLARATION OF PERFORMANCE**

**No TRI-S420NH-CPR**

1. Unique identification code of the product-type:

**TRI-S420NH-CPR**

2. Intended use/es:

**Hot rolled products of structural steels  
Grade S420 NH / 1.8750 Acc. to EN 10210-1**

3. Manufacturer:

**TUBOS REUNIDOS INDUSTRIAL, S.L.U.  
Bº Sagarribai, 2  
01470 Amurrio -Alava-  
Website: [www.tubosreunidosindustrial.com](http://www.tubosreunidosindustrial.com)  
Email: [inquiry.comercial@tubosreunidos.com](mailto:inquiry.comercial@tubosreunidos.com)**

4. System/s of AVCP:

**System 2+**

5. Harmonised Standard:

**EN 10210-1:2006**

6. Notified Body/ies:

**TÜV SÜD Industrie Service GmbH, Abteilung Werkstoff und Schweißtechnik  
Westendstrasse 199, 80686 München, No.0036 has performed the initial  
inspection of the manufacturing plant and of factory production control and the  
continuous surveillance, assessment and evaluation of factory production control  
and issued the certificate of conformity of the factory production control with no.  
0036-CPR-M-19-2008**



7. Declared performance

S420NH EN 10210-1

Essential characteristic	Performance			
Tolerances on Dimensions and shape	Outside dimensions		±1% with a minimum of ±0.5 mm. and a maximum of ± 10 mm.	
	Thickness		±10%	
Yield strength	Nominal thickness (mm)		Values	
	>	≤	Min. (MPa)	Max. (MPa)
		16	420	
	16	40	400	
Tensile strength	Nominal thickness (mm)		Values	
	>	≤	Min. (MPa)	Max. (MPa)
		3	520	680
	3	65	520	680
Elongation	Nominal thickness (mm)		Values	
	>	≤	Min.(%)	
			Long.	Transv.
		65	19	17
Impact Properties	Test Temperature		Values Min. (J)	
	-20°C		40 <sup>b</sup>	
Durability			Element	Max.(%)
			C	0,22
			Si	0,60
			Mn	1,00 – 1,70
			P	0,035
			S	0,030
			Nb	0,050
			V	0,20
			Total Al <sup>c</sup> (min)	0,020
			Ti	0,03
			Cr	0,30
			Ni	0,80
			Mo	0,10
		Cu	0,70	
		N	0,025	
Welding properties			Nominal thickness (mm)	
			<16	16< t ≤40
	Carbon Equivalent (CEV) Max %		0,50	0,52



8. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



**Alejandro Echeita - Quality Manager**  
**In Amurrio, 9<sup>th</sup> of September 2016**



**0036-CPR-M-19-2008**

**TUBOS REUNIDOS INDUSTRIAL, S.L.U.**  
**Bº SAGARRIBAI, 2.**  
**AMURRIO (ALAVA) – SPAIN**

**08**

**DoP-TRI-S420NH-CPR**

**EN 10210-1:2006**  
**S420NH/1.8750**

**Hot rolled products of structural steels**

Tolerances on dimensions and shape:

Elongation:

Tensile strength:

Yield strength:

Impact Properties:

Durability:

Welding Properties:

Expressed as indicated in the DoP