

# SUPRANOX RS 308H

## TOP FEATURES

- Specially developed for high temperature applications (up to 730°C) - e.g. AISI 304H or Mat. Nr 1.4948
- Weldable on AC and DC
- Very smooth bead appearance.

## TYPICAL APPLICATIONS

- Chemical and petrochemical industry

## CLASSIFICATION

AWS A5.4	E308H-16
EN ISO 3581-A	E 19 9 H R 12

## CURRENT TYPE

AC/DC(+/-)

## WELDING POSITIONS

All position, except vertical down

## CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, ALL WELD METAL

C	Mn	Si	Cr	Ni	Ferrite
0.05	0.75	0.85	18.50	9.50	3-7

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	0.2% Proof strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) +20°C
AWS A5.4	AW	not specified	≥550	≥35	not specified
EN ISO 3581-A	AW	≥350	≥550	≥30	not specified
Typical values	AW	400	600	38	65

\* AW = As welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 300	50-80
3.2 x 350	60-120
4.0 x 350	100-140

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 300	VPMD	100	1.7	W100287866
3.2 x 350	VPMD	65	2.1	W100287867
4.0 x 350	VPMD	40	2.1	W100287868

## TEST RESULTS

Test results for mechanical properties, deposit or electrode composition and diffusible hydrogen levels were obtained from a weld produced and tested according to prescribed standards, and should not be assumed to be the expected results in a particular application or weldment. Actual results will vary depending on many factors, including, but not limited to, weld procedure, plate chemistry and temperature, weldment design and fabrication methods. Users are cautioned to confirm by qualification testing, or other appropriate means, the suitability of any welding consumable and procedure before use in the intended application

Safety Data Sheets (SDS) are available here:



Subject to Change – The information is accurate to the best of our knowledge at the time of printing.  
Please refer to [www.lincolnelectric.eu](http://www.lincolnelectric.eu) for any updated information.