

# BASINOX 307

## TOP FEATURES

- Excellent mechanical properties
- High crack resistance with maximum service temperature up to 850°C
- Easy striking and restriking and smooth arc

## CLASSIFICATION

AWS A5.4 E307-15\*  
EN ISO 3581-A E 18 8 Mn B 22 E Fe10

\* Nearest classification

## CURRENT TYPE

DC+

## WELDING POSITIONS

All position, except vertical down

## APPROVALS

TÜV	DB
+	+

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

C	Mn	Si	P	S	Cr	Ni	Ferrite
0.08	5.5	0.3	≤0.035	≤0.025	19	8.5	5-10

## 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	≥590	≥30	not specified
EN ISO 3581-A	AW	≥350	≥500	≥25	not specified
Typical values	AW	500	650	35	100

AW = As welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
2.5 x 300	60-75
3.2 x 350	85-110
4.0 x 350	95-145
5.0 x 350	130-160

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5x300	VPMD	95	1.8	W000380922
3.2x350	VPMD	60	2.1	W000380558
4.0x350	VPMD	40	2.1	W000380559
5.0x350	VPMD	25	2.1	W000380561

### 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.  
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