

# TENAX 140

## TOP FEATURES

- The TENAX 140 is used for HYSS, applications with fine grain steels with a yield strength >900Mpa and down to -40°C. Example S960QL.
- The weld metal is of extremely high metallurgic purity
- Good impact toughness up to -40°C

## CLASSIFICATION

EN ISO 18275-A

E 89 4 Z B 32 H5

## CURRENT TYPE

DC+

## WELDING POSITIONS

All position, except vertical down

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

C	Mn	Si	P	S	Cr	Ni	Mo
0.08	1.2	0.4	≤0.012	≤0.012	0.3	3.2	1.1

## MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J) -40°C
ISO 18275-A	AW	≥890	980-1180	≥15	≥47
Typical values	AW	930	1030	16	60

\* AW = As welded

## OUTPUT RANGE

Diameter x Length (mm)	Current range (A)
3.2x350	90-135
4.0 x 450	140-185

## PACKAGING AND AVAILABLE SIZES

Diameter x Length (mm)	Packaging	Electrodes/pack	Net weight/pack (kg)	Item number
2.5 x 350	VPMD	60	2.0	W000287484
4.0 x 450	VPMD	40	2.7	W000287485

## 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.