

SMAW Electrodes for Nickel Steel (low temperature)

GL86C2 / GL88C2

AWS A5.5M E5516(8)-C2
A5.5 E8016(8)-C2
JIS Z 3211 E5516(8)-N7

Product Features:

- Low hydrogen/ iron powder low hydrogen type covered electrode for low alloy low temperature steel (Ni steel).
- Good for RT examination, good mechanical properties and crack resistance.
- All deposited weld metal contains approximately 3.5% Ni elements, good for serving temperature till -75°C.

Applications:

- Suitable for welding of low temperature steel (Ni steel), serving temperature till -75°C.

Typical chemical composition of all-weld metal (wt%)

C	Si	Mn	Ni
0.06	0.46	1.12	3.2

Typical mechanical properties of all weld metal

Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation %	Impact value (-75°C) J	Post Weld Heat Treatment °C×1hr
677	742	24	44	620

Size (mm) & recommended welding parameters (A) AC or DC±

Diameter / Length	3.2/350	4.0/400	5.0/450
Flat position	90~140	150~200	220~270
Vertical / overhead position	80~110	120~150	--

Note:

- 300~350°C x 1hr baking prior to use.

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