



ERW

Electric Resistance Welding

SeAH Steel

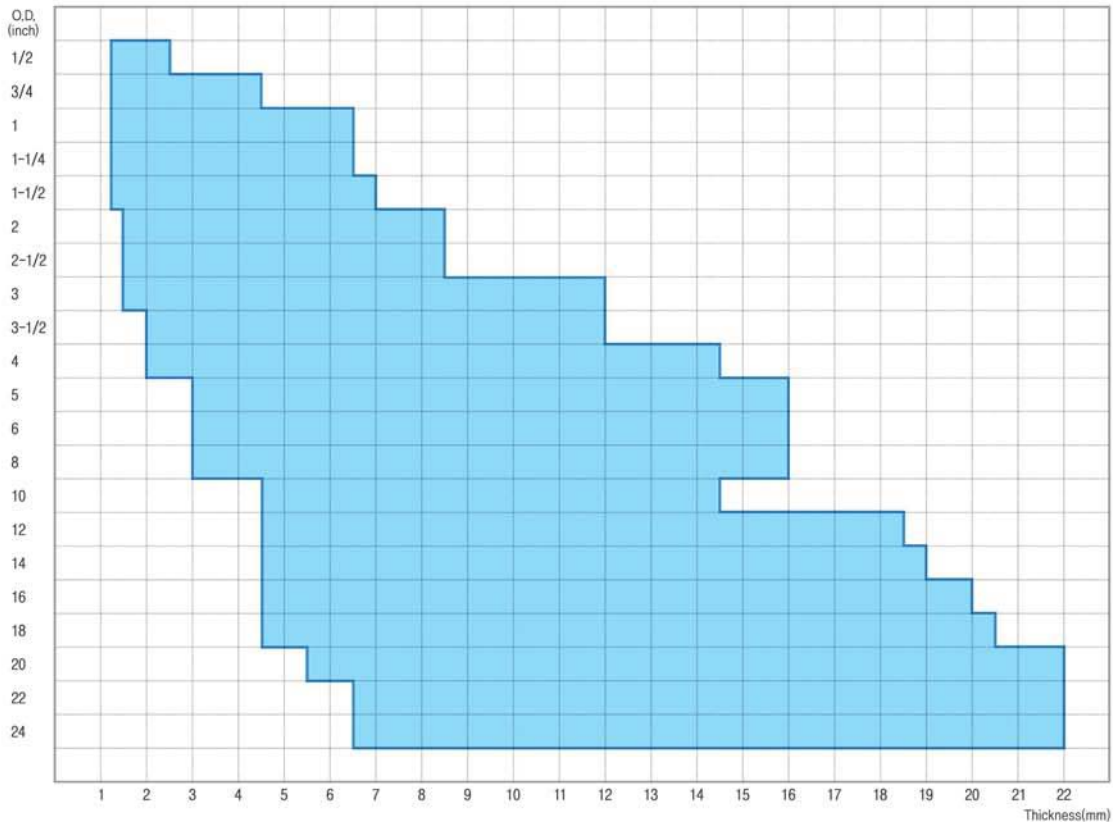
The logo for SeAH Steel is centered on a background of concentric, brushed metal circles. It consists of a large, thick, metallic ring. Inside this ring, the text "SeAH Steel" is displayed in a bold, sans-serif font. The "SeAH" part is in a dark grey color, and the "Steel" part is in a lighter grey. A small red checkmark is positioned above the letter "A". To the left of the large ring, there is a smaller, thin metallic ring.

SeAH Steel

ERW(HFW) SIZE RANGE

| Product | Size Range | | | Capacity | Location |
|-------------|--------------------------------|----------------|------------|-----------------|----------|
| | O.D. | Thickness (mm) | Length (m) | | |
| ERW(Round) | 1" ~ 24" | 1.6 ~ 22.0 | 4.5 ~ 21.0 | 930,000Ton/Year | Pohang |
| ERW(Square) | 200X200~400X400 | 4.5 ~ 14.0 | 5.0 ~ 20.0 | | |
| ERW(Round) | 1/2" ~ 8" | 1.2 ~ 11.0 | 4.0 ~ 15.8 | 240,000Ton/Year | Gunsan |
| ERW(Square) | 25X25~150X150 30X20~200X100 | 1.2 ~ 9.0 | 4.0 ~ 15.5 | | |
| SRM | 1/2" ~ 4" | 2.2 ~ 15.2 | 4.5 ~ 12.8 | 85,000Ton/Year | Pohang |
| Galvanizing | 1/2" ~ 24" | - | Max.8.0 | 120,000Ton/Year | Gunsan |

ERW(HFW) SIZE RANGE



Strengths of SeAH ERW(HFW) Pipe?

Based on its accumulated knowledge and innovative technology for more than 50 years, SeAH Steel's ERW(HFW) pipe has following strengths;

- Comprehensive range of products with Large Production Capacity.
 - O.D. 1/2" ~ 24" / W.T. : MAX. 22mm / LENGTH MAX. 21M / CAPACITY 1.17million MT per Year
- Secures high welding quality through welding monitoring system.
- Secures stable quality through seam UT and FULL BODY UT.

Quality Control Process



▲ Welding



▲ Seam Heat treatment



▲ Hydrostatic Test



▲ Seam Ultrasonic Test (On-line)



▲ Seam Ultrasonic Test (Off-line)



▲ Full Body Ultrasonic Test (Off-line)

ERW(HFW) Line

Uncoiling> Leveling> Edge Milling> Forming> Welding> Heat Treatment



Weld Seam Spark Detecting System

SeAH is equipped with spark detecting system for high welding quality. This system detects excessive sparks and guarantees excellent welding quality by sorting out cold welding and abnormal heat input during welding process.



Square Pipe



- O.D. : 25mm X 25mm ~ 400mm X 400mm
- Thickness : 1,2mm ~ 14mm
- Length : MAX, 14M

Galvanized Pipe



- O.D. : 21,7mm ~ 609,6mm
- Length : MAX, 8M

Heat Exchanger/Boiler Tube



- O.D. : 25,4mm ~ 88,9mm
- Length : MAX, 23M

→ Cooling → Sizing → Cutting-Off → End Facing →

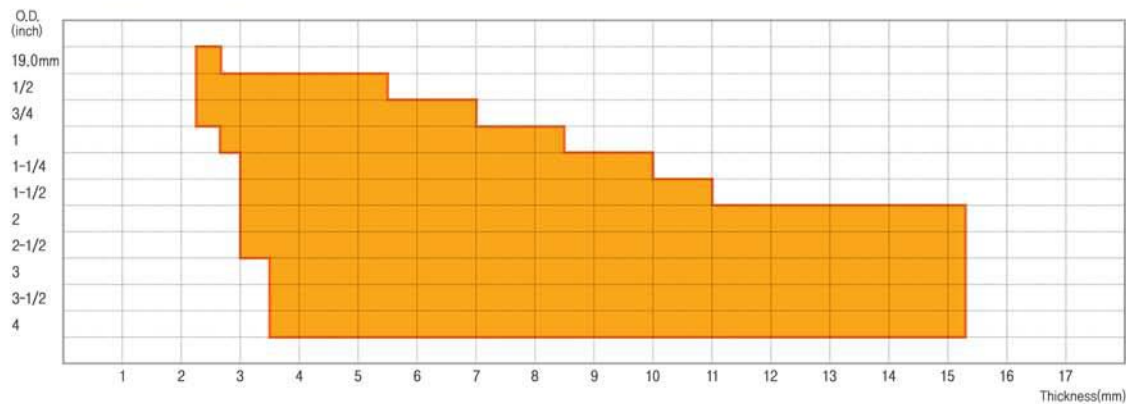


SRM

- The stretch Reducing Mill(S.R.M.) consists of 24 roll stands, each containing 3 rolls, a design that improves internal surface finish, maintains concentricity, and improves dimensional accuracy. Each roll stand reduces pipe diameter by approximately 5%, with the final 3 stands providing the finish diameter. Also, by controlling longitudinal tension between each stand at the same time, it can also reduce, maintain, or increase wall thickness, resulting in a wide variety of diameters & wall combinations to meet the customer specifications.
- O.D. : 1/2" ~ 4" • W.T : 2.2mm ~ 15.2mm • LENGTH : MAX. 12.8M



SRM SIZE RANGE



→ Hydrostatic Test → Ultrasonic Test(Seam & Full Body) → Mill Coating → Dimension / Visual Inspection / Packing

