



# Southwire's SCR Continuous Rod Systems

*Southwire will design the system to meet your production needs.*



## **You get high efficiency**

- A wide capacity range to match your needs.
- High utilization gives high profits.
- Process yields low scrap rates with resultant low reprocessing costs.
- Advanced automated controls simplify operations.
- Produces high quality rod at low man-hours per ton.
- Offers low operating cost per ton.
- Quick change casting and rolling components for alloy product changes.

## **You get reliable operation**

- SCR system components have robust designs for long life.
- Designs are proven reliable.
- Few complex parts and no costly exotic materials.



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# Southwire Produces More Aluminum Rod Than Any Other Company

SCR Systems produce rods to accurate dimensions.

## Sample Rod Diameters (in mm)

9.5

12

15

18

23

25



Since 1953, Southwire has produced over 5,750,000 metric tons of aluminum rod products. We know what constitutes a good rod making system. We manufacture and operate our own SCR copper and aluminum systems to supply rod to our own and our customers' wire-making facilities. This combined expertise, representing over 110 systems in 36 countries, can be working for you. Southwire can design, install, and train you to operate an aluminum rod plant for EC and aluminum alloys. We offer advice and services in marketing, alloy and EC production, raw materials supply, process engineering, metal chemistry and metallurgy.

### Process Improvement

SCR follow-up services ensure our customers have access to the most current know-how and practices available, advances in automation, process cost reduction, and product quality improvements. Southwire offers continued technical support, maintenance guidance and parts replacement for the life of the system.

### Robust Equipment

SCR continuous rod systems are available in several sizes and configurations to meet your needs. Working with Primetals Technologies USA LLC, Southwire offers a complete rod system from melting furnaces to finished coils. We offer dual reel coilers when dense level wound coils are desired.

### Technical Support

Southwire's D.B. Cofer Technology Center enables us to provide extensive technical support to our rod customers. One key area is the metallurgy department. In addition to providing a resource for customer support, the metallurgy department is a driving force behind the development of new and improved alloys and processes.

## EC and Electrical Alloys

	mm <sup>2</sup> bar	Metric Tons Per Hour	Metric Tons Per Year 5-days/week*	Metric Tons Per Year 7-days/week*
SCR AL-1050	1024	2	9,600	12,600
SCR AL-1750	1700	3.2	15,360	20,160
SCR AL-2550	2500	5	24,000	31,500
SCR AL-3650	3595	8	38,400	50,400
SCR AL-4600	4579	9.5	45,600	59,850
SCR AL-6600	6543	13	62,400	81,900
SCR AL-7000	6543	15	72,000	94,500

\* Annual Production Rates based on EC Production. Annual Yield Rates for Alloys will depend on product combinations.

## EC, Electrical and Mechanical Alloys

	mm <sup>2</sup> bar	Metric Tons Per Hour	Metric Tons Per Year 5-days/week*	Metric Tons Per Year 7-days/week*
SCR AL-1750A	1225	2.4	11,520	15,120
SCR AL-3650A	2652	5	24,000	31,500

\* Annual Production Rates based on EC Production. Annual Yield Rates for Alloys will depend on product combinations.



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