

# Royal 100 FCo

Flux Cored Rod for Gas Brazing (TB, FB, IB)

Aluminum Alloy



*"The Royal Line"*

**CROWN** ALLOYS COMPANY

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## Thin Flowing Aluminum Flux Cored Rod for Torch Brazing, Furnace Brazing and Induction Brazing

### Typical Applications

**Royal 100 FCo** is a flux cored aluminum rod used for torch brazing aluminum and aluminum alloys. **Royal 100 FCo** is cored with a more reactive non-corrosive flux to braze magnesium containing aluminum alloys such as 6061 and 6063. This alloy can be used in atmosphere furnace, torch or induction brazing processes for joining a wide variety of aluminum alloys.

### Specifications

AWS A5.8 BAlSi-4 / AMS 4185 / AA 4047

- Tensile Strength Up to 35,000 PSI
- Melting Point 577°C – 582°C  
(1070°F – 1080°F)

### Procedure

All grease, oil, paint, lubricants and dirt should be removed from all aluminum surfaces that are to be joined. The aluminum oxide will be removed by the flux inside the **Royal 100 FCo**. Parts to be brazed must fit tightly together (ie: little or no gap). Heat the entire area to be brazed evenly and completely. Apply the **Royal 100 FCo**. No post braze cleaning operations are required since the flux and its residues are non-hygroscopic and non-corrosive.

### Sizes and Part Numbers

Diameter	Part Numbers	
	1 oz Package	1 lb Package
.076 x 18"	RT100F/76-1	RT100F/76-16



**!!!! WARNING !!!!**



**WELDING FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH.**

**BEFORE USING THIS PRODUCT THE WELDER (END-USER) MUST READ AND UNDERSTAND THE COMPLETE PRODUCT WARNING LABEL AND THE NEW 16 SECTION SAFETY DATA SHEET (SDS).**

**THE SAFETY DATA SHEET (SDS) WHICH OUTLINES THE POTENTIAL HEALTH HAZARDS AND SAFETY INFORMATION RELATED TO THIS PRODUCT CAN BE DOWNLOADED FROM THE SDS PORTION OF THIS WEBSITE. IT IS ALSO AVAILABLE FROM YOUR EMPLOYER AND WELDING SUPPLY DISTRIBUTOR.**

**DO NOT PROCEED WITH USE OF THIS PRODUCT UNTIL YOU READ AND UNDERSTAND THE SAFETY DATA SHEET (SDS) AND PRODUCT WARNING STATEMENT.**

**BE SURE TO CONSULT THE LATEST VERSION OF THE SDS.**

**SEE THE PRODUCT WARNING LABEL AND SDS FOR COMPLETE WARNING INFORMATION.**

