



Airline

FRAMING & AUTOMATION

Your source for solar racking solutions

**Boost productivity and
cut installation time
by as much as**

25%

**Simple bolt-together
construction of racking
requires no special
tools or engineering.**



Rexroth
Bosch Group
Solutions Partner
Authorized Distributor



Anodized Aluminum Structural Framing

- Rugged & weather-resistant
- Aesthetically clean and neat
- Easy to modify or expand upon
- Provides an ideal conduit for electrical cabling!

Call toll free: 1-800-999-SERV (7378)

www.airlinehyd.com



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Off-the-shelf aluminum framing forms the basis for an easy to install, flexible, reconfigurable structural mounting system for residential and commercial solar energy applications.

Rexroth aluminum framing, available in a variety of sizes, is built around a simple T-slot aluminum extruded profile (framing element). Its stock extrusions, connections and accessories are easy to bolt together and provide considerable flexibility for joining profiles. This allows each solar installation to be easily adapted to the physical environment and space available, without the need for specialty engineering or custom framing designs. One of the biggest advantages of Rexroth aluminum framing is its adaptability for future expansion and/or configuration changes in each installation.

With rare exceptions, Rexroth aluminum framing components (profiles, connectors, L brackets) are simply ordered “off-the-shelf” through Rexroth’s local full-service distributor, Airline Hydraulics, delivered to the installer and sent out into the field to be used in solar framing installations. The only significant alteration to standard Rexroth framing components is the use of 3/8” carriage bolts instead of Rexroth T bolts to make connections, to accommodate the distributed weight of the panel. Obtaining additional framing for new installations is fast and easy too, since Airline stocks most Rexroth framing products locally.

Also, Rexroth anodized aluminum structural framing is rugged and weather-resistant, which not only contributes to the durability of each installation, but also helps aesthetically because it continues to look clean and neat—even without any painting or other finishing. The weather-resistant qualities, along with the design of the profiles themselves, make the aluminum profiles ideal conduits for electrical cabling systems as well.



Challenge

- Develop a rapid, cost-effective way to install support framing for solar panels, reducing installation times at commercial and residential customer sites
- Simplify the installation process by avoiding the need for custom-designed panel mountings or sophisticated tools

Airline’s Solution

- Rexroth aluminum structural framing—anodized aluminum profiles of 45mm x 45mm (1 3/4” X 1 3/4”) dimensions, plus connectors and L brackets

Benefits

- Reduced installation times, decreasing by an estimated 25% since use of Rexroth structural aluminum framing
- Time and costs savings because structural aluminum framing requires no special tools, training, engineering or reconfiguring
- Ease of modification and/or expansion for solar installations

Questions? Call Airline’s Framing Product Manager, John Guckin, at (215) 806-2310

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