Service

R



Aluminum structural framing building inspiration



Everything...



"The challenge was to produce a new kind of prefab house that would provide an exceptional product at a relatively average price through smart construction strategies, reduction of on-site waste, and the elimination of heavy equipment and/or specialized trades."

> Alan Koch Taalman Koch Architecture, Architects of iT House

Architects and designers are discovering an innovative resource to help them express their creative solutions to shape the spaces where we live, work and play.





....To Build Anything

New Shapes, New Spaces with Aluminum Structural Framing. For over 30 years, Rexroth aluminum structural framing has been a mainstay in manufacturing environments—literally providing "everything to building anything." It's a complete building system, one we're proud is now being embraced by the architectural and design community.





"Bosch Rexroth framing enabled us to develop a system of off-site fabricated building based on flexible rules that can achieve multiple outcomes and meet individualized needs."

> James Timberlake Partner, KieranTimberlake

Offering the most extensive range of profiles, connectors and accessories on the market, its unique T-slot design is specially engineered to provide high strength-to-weight ratios, fast assembly, easy reconfiguration and superior fit and finish. Plus, the system's bolt-together design saves significant design and assembly time.









Versatile in Form, Flexible in Function Structural framing simplifies the creation of structures without sacrificing good environmental design—or aesthetic appeal:

- Design and build anything
 - High quality components for a wide range of architectural applications
- Engineered for precision
 - Excellent fit and finish
 - Lightweight components
 - Strong and durable
 - (High strength-to-weight ratio)
- Easy to assemble and disassemble
 - Pre-assemble in one location, break it down and re-assemble at the final site

Designed for Aesthetic Applications Rexroth engineers clean, well-designed framing products that can shape any environment with:

- Superior fit and finish
- Sleek, clean, anodized aluminum elements
- Polished design with high-tech look
- Scratch and corrosion resistant surfaces
- From smallest to largest—picture frames and cabinets to large museum exhibits and modular houses







Structural Framing FAQs

What is Aluminum Structural Framing?

The Bosch Rexroth modular framing system is built around a simple T-slot aluminum extruded profile, or framing element. It features hundreds of stock extrusions, connectors and accessories, which can be bolted together, rather than welded, nailed or otherwise permanently fastened.

How can I use it?

Initially designed to create frames, workstations and machine bases for industrial applications, structural framing literally has "everything to build anything." Now architects have begun to discover the benefits of Aluminum Framing for interior design features (stairs, room dividers, shelving), display elements, booths and information kiosks, commercial and gallery displays, and even modular homes.

What design support tools are available?

Rexroth offers design tools for any software environment. Save hours of design time with 3D Solid Models from our web site. FMSoft^{**} helps you choose standard components and eases 3D assembly, automatically compiling a parts list. Plus, we have a complete online Framing Shop for easy ordering.

Applications: Imagine-Design-Build

Across the creative community, architects and designers are embracing structural framing. The more you use it, the more ideas will spring forth.

- Buildings and architecture homes, studios, workspaces, stores, permanent and temporary structures
- Interior design fixtures, entryways, door and window frames, stairwells, sunrooms, storage units
- Museum, gallery and tradeshow exhibits—fine art, science, kiosks, displays, directional and informational signage
- Retail and sales showrooms product displays, distinctive exterior and interior signage, combination storage/display units
- Furniture desks, shelving, cases, storage units, bookcases, computer tables, audiovisual units
- Information and visual displays—easels, display cases, bulletin boards
- Unique or temporary structures—transit stops, traffic control units, public/tourist information, single-day event shelters, portable stage systems

Case Histories:

See what you can build



A unique living experience Taalman Koch Architecture has found a way to create a unique home environment with their

prefabricated iT house, using Rexroth structural framing. Made entirely with glass and an aluminum structure, the structural frame's lightweight and easy-to-assemble components create clean lines and a sleek exterior design.

Showcasing Sue, the T. Rex

When "Sue," the most complete T. Rex fossil yet discovered, was put on display at Chicago's Field Museum of Natural History, a special gift shop, the Sue Store,



was built with Rexroth Aluminum structural framing. It offered a flexible system with industrial strength and fast, easy assembly. From initial request through design evolution, only two weeks elapsed; once the design was finalized, the 1450 square foot kiosk shipped complete in a week and a half.

Cellophane House

Architects KieranTimberlake of Philadelphia used Rexroth structural framing to create Cellophane House for a special exhibition at The Museum of Modern Art

exploring the historical and contemporary significance of factory-produced architecture.

Rexroth framing served as the structural framework to which other building elements were swiftly attached. Just as the elements were assembled easily, so were they disassembled easily and stored for future redeployment, preserving the Cellophane House, Kieran Timberlake



energy embodied in the house materials. In an effort to further reduce waste, the dimensions of the house were dictated by the standard measurements of the Rexroth extrusions.

SmartWrap[™]

At the Cooper-Hewitt National Design Museum in New York, KieranTimberlake used structural framing for a pavilion to showcase SmartWrap[™], a lightweight, energy gathering,

mass customizable and sustainable building envelope system. In the process, KieranTimberlake partner, James Timberlake, noted that Rexroth's structural framing provides a modern, well-designed modular system suitable for many uses.



SmartWrap™. KieranTimberlake

Shape your designs

Bosch Rexroth offers a comprehensive array of design and support tools to help you realize the full creative potential of Rexroth structural framing. Our tools include:



- Comprehensive brochure and structural framing catalog
- AutoCAD files and Solid Models library online
- MTPro and FMSoft design tools for easier layout and design
- Sophisticated, userfriendly online ordering site has catalogs, CAD models, versatile design and ordering tools for one-stop product selection and service
- Nationwide network of stocking, full service distributors

Build your dreams

Rexroth makes it easy to turn your visions into finished structures. We offer expert advice and support from our exclusive network of aluminum structural framing distributors. Every distributor stocks a complete inventory of all common components, with the capacity to turn around complex orders in record time.

Plus, they're certified professionals, with in-house design and fabrication capabilities, application advice, service and other technical support. For added flexibility, you can choose to receive your aluminum framing products in bulk, kit form or fully assembled.





14001 South Lakes Drive Charlotte, NC 28273-6791 Telephone (704) 583-4338 Facsimile (704) 583-0523

U.S. business unit offices:

Bosch Rexroth Corporation Corporate Headquarters 5150 Prairie Stone Parkway Hoffman Estates, IL 60192-3707 Telephone (847) 645-3600 Facsimile (847) 645-0804

Bosch Rexroth Corporation Electric Drives and Controls 5150 Prairie Stone Parkway Hoffman Estates, IL 60192-3707 Telephone (847) 645-3600 Facsimile (847) 645-0804

Bosch Rexroth Corporation Industrial Hydraulics 2315 City Line Road Bethlehem, PA 18017-2131 Telephone (610) 694-8300 Facsimile (610) 694-8467

Bosch Rexroth Corporation Mobile Hydraulics 8 Southchase Court Fountain Inn, SC 29644-9018 Telephone (864) 967-2777 Facsimile (864) 967-8900

Bosch Rexroth Corporation Linear Motion and Assembly Technologies 816 E. Third Street Buchanan, MI 49107 Telephone (800) 322-6724 Facsimile (269) 695-5363

Bosch Rexroth Corporation Pneumatics 1953 Mercer Road Lexington, KY 40511-1021 Telephone (859) 254-8031 Facsimile (859) 254-4188

Bosch Rexroth Corporation Service Automation 5150 Prairie Stone Parkway Hoffman Estates, IL 60192-3707 Telephone (847) 645-3600 Facsimile (847) 645-0804

2315 City Line Road Bethlehem, PA 18017-2131 Telephone (610) 694-8300 Facsimile (610) 694-8467

International offices:

Asia:

China	Russia
India	Singapore
Japan	South Korea
Malaysia	

Australia

Europe:	
Austria	Netherlands
Belgium	Norway
Bulgaria	Poland
Czech Republic	Portugal
Denmark	Romania
Finland	Slovakia
France	Spain

ain Germany Sweden Greece Switzerland Hungary Turkey Ukraine United Kingdom

North America:

Italy

United States Canada Mexico

South America:

Argentina Venezuela Brazil

Factory Automation Regional sales offices:

Central

Bosch Rexroth Corporation 5150 Prairie Stone Parkway Hoffman Estates, IL 60192-3707 Telephone (847) 645-3600 Facsimile (847) 645-0804

Great Lakes

Bosch Rexroth Corporation 1701 Harmon Road Auburn Hills, MI 48326-1549 Telephone (248) 393-3330 Facsimile (248) 393-2893

Northeast

Bosch Rexroth Corporation 99 Rainbow Road East Granby, CT 06026 Telephone (860) 844-8377 Facsimile (860) 844-8595

Bosch Rexroth Corporation 2315 City Line Road Bethlehem, PA 18017-2131 Telephone (610) 694-8300 Facsimile (610) 694-8467

Southeast

Bosch Rexroth Corporation 14001 South Lakes Drive Charlotte, NC 28273-6791 Telephone (704) 583-4338 Facsimile (704) 583-0523

West

Bosch Rexroth Corporation 13766 Alton Parkway, Suite 147 Irvine, CA 92618-1622 Telephone (949) 609-1651 Facsimile (888) 873-3434

Printed in the United States Publication No. R980 500 380 08/09