



Reaching new heights

Specialists in Rotary to Linear Motion

HRS is a world leader in the manufacture and supply of high quality precision engineered gear rack, lead & power screws, pinions, nuts, complete mechanical power transmission systems and CNC machined parts. Established in 1953, HRS has proudly been leading and serving the industry for over 60 years.

Precision Gear Racks

- Longer in service lives, smoother performance characteristics and more accurate pitch control than other machining techniques.
- Straight, Spur and Helical tooth forms up to 45 degrees, with a 450 mm / 17.75 inch face width and height and up to 12 meters / 40 foot long + Round Racks.
- Diametral Pitch from 64DP to 1DP. Circular Pitch up to 3.5 ins.
- Special Pitches Available Upon Request
- High accuracy up to AGMA class 10 spacing tolerances.

Lead & Power Screws

- HRS manufactures all types of screws, using performance guaranteed materials and offers unique solutions to power transmission problems.
- All screws are cut resulting in greater accuracy, greater precision fit with mating nuts, threads being concentric with major diameter, and superior control of cumulative pitch accuracy.

Pinions

- HRS supplies gear pinions to integrate precisely into our gear rack creating a single integrated component from a single source supply.
- HRS can perform customization of the rack and pinion configuration to any customer application to ensure strict quality control and high system performance.

Nuts

- With a wide range of modern CNC machines and a highly skilled workforce HRS can manufacture virtually any nut configuration to exactly match any screw produced working in Steel, Bronze, Plastic or Exotic alloy.
- HRS can manufacture high tolerance and safety critical parts where quality and specification compliance is essential.

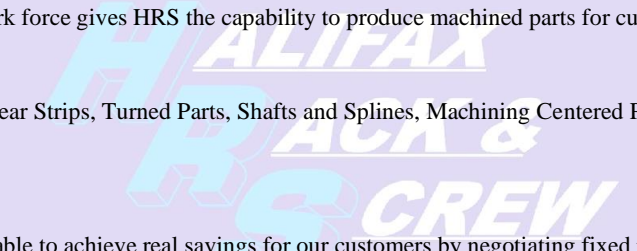
Machined Parts

- The installed machine base and the highly skilled work force gives HRS the capability to produce machined parts for customers offering a **one-stop shop**.
- Worms and Wormwheels, Safety Nut Assemblies, Wear Strips, Turned Parts, Shafts and Splines, Machining Centered Parts

Raw Material Stocking Program

- With the ever-increasing cost of steel, we have been able to achieve real savings for our customers by negotiating fixed price annual contracts with steel suppliers to ensure a peace of mind for the purchasing department.
- Fast delivery times
- Quick turnarounds on prototypes.

With 5 miles
of Halifax
gear rack
in the
Buri Tower



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www.halifaxrs.com

Heat Treatment and Finishing

HRS can ensure that all materials are heat treated and finished to the customer's specifications including:

- Heat Treatment, Black Oxide, Zinc Plating, Bright Nickel Plating, JS500, Painted, Any other corrosion resistance coating

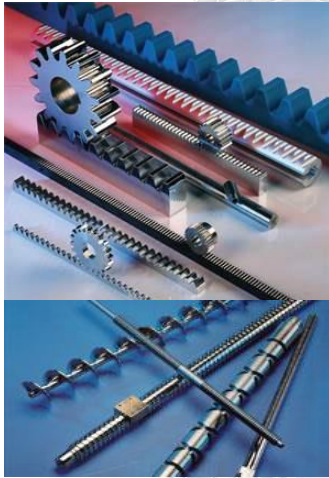
Cost Reduction Programs

The increasing demand by customers to reduce cost has lead HRS to focus on continuous improvement programs. We have worked with several customers on design and best methods to give year on year reductions.

- Outsourcing of associated products to provide a one-stop shop fulfilling all customer requirements.
- Networked warehousing facilities – North America only.
- Manufacturing to UK, USA and European sizes and standards.
- Stock of standard size racks and screws are held for immediate delivery.
- Sales, quality control and technical support ensuring that all products meet our customer's requirements and expectations.

North American Support

- Ship Parts DDP
- Can offer Consignment Inventory Programs
- Support Gear Design Efforts Through Strategic Partnerships
- Strategic Localized Support in America to Directly Benefit you



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Contact Us

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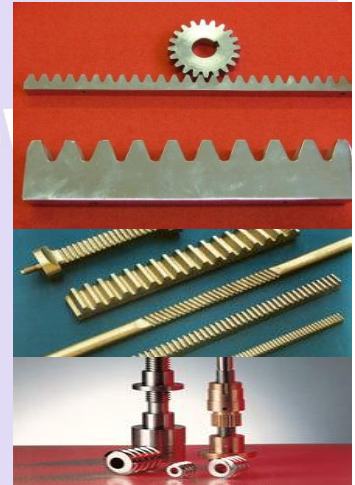
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