



AccuLine®

— a trademark of Hydro

The core of consistency for machine grade products

ACCUROD®

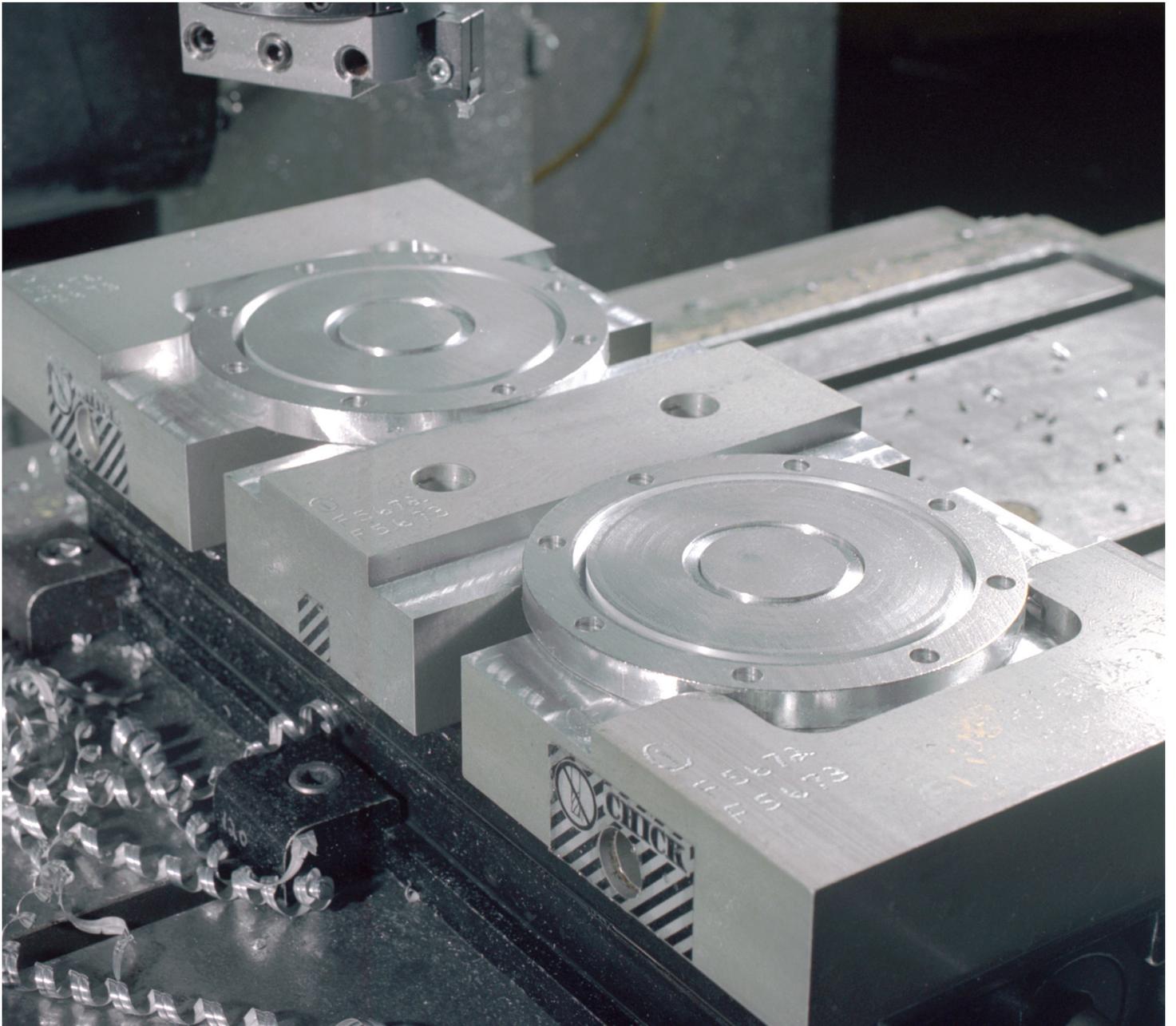
ACCUBAR®

ACCUBAR+®

ACCUHEX®

ACCUPLATE®

JUMBOROD®



AccuLine®

The industry's highest quality rod and bar products

Hydro is the established leader in machine grade quality aluminum rod and bar. Hydro products have long been recognized as the best in the industry for their enhanced properties and precision machining results.

Now, after extensive research and development, Hydro's revolutionary ACCU-LINE® is raising the standard of excellence in performance and dependability. **ACCU-LINE represents the best and most complete line of aluminum extruded rod, bar and hex products on the market.** Our products assure next-level quality in dimensional tolerances, mechanical properties, machinability and surface finish... all backed by independent laboratory testing:

- **Uniform grain structure in 6061 ACCU-ROD®, ACCU-BAR®, ACCU-BAR+®, ACCU-HEX® and JUMBO-ROD for outstanding precision machining**
- Tolerances for size, flatness, straightness and twist are 1/2 or closer than standard extruded tolerances
- Improved surface appearance
- Enhanced results from anodizing
- ACCU-ROD®, ACCU-BAR® and ACCU-HEX® are also available in 6082, 6042 and 6262 free machining alloys in select sizes



ACCU-LINE produces smaller, shorter, more manageable chips with less bird nesting, providing improved productivity.

It's what's inside that counts

Consistency is the core of ACCU-LINE. Hydro Extrusion North America operates more presses with indirect extrusion press technology than any other soft alloy extruder in North America. Indirect extrusion reduces the frictional heat generated during extrusion, resulting in rod, bar and hex products that have **more consistent grain structure, tighter dimensions and higher mechanical properties.**

Hydro operates indirect presses at multiple facilities including Cressona, PA and Spanish Fork, UT. Our significant investments in indirect extrusion technology allow us to offer customers some of the most advanced products in the North American market. These state-of-the-art capabilities enable Hydro to produce an unmatched range of sizes, each with a standardized process that includes alloy chemistry, homogenizing, extrusion technology and quenching to achieve the **consistency that is vital to high speed machining.**

Each Hydro ACCU-ROD®, ACCU-BAR®, ACCU-BAR+® and ACCU-HEX® 6061 alloy product features a fine, uniform grain structure. ACCU-LINE products exhibit this consistent, dependable **uniformity that is unsurpassed by any competing extruded product.**

Advanced Alloy Chemistry

Hydro has in-house casting in Spanish Fork, UT and Cressona, PA. This capability allows Hydro to optimize alloy chemistry to enhance machining performance. Producing both standard and customized chemistries, Hydro facilities have unmatched capabilities to create uniform grain and microstructure through their advanced processing and heat-treating equipment. The result is the enhanced mechanical properties available in ACCU-LINE products.

For example, compare higher priced cold finished products to ACCU-LINE

Mechanical Properties	
Hydro ACCU-ROD, ACCU-BAR and ACCU-BAR+ 6061-T6511H	COLD FINISHED 6061-T651
42 ksi. min. tensile	42 ksi. min. tensile
38 ksi. min. yield	35 ksi. min. yield

ACCU-LINE® is a registered trademarks of Hydro Extrusions.

Recrystallized Grain Structure



ACCU-LINE Core



Competitor's Core

Unrecrystallized Grain Structure



ACCU-LINE Core



Competitor's Core

AccuLine®

Outstanding performance for precision machining



Hydro uses advanced indirect extrusion technology and exacting process control. Together these yield a consistent, fine grain structure and uniform mechanical properties throughout the extrusion cross section for consistent machinability. Consistent grain structure and better dimensional tolerances assure precision performance and dependable machining results. In drilling, turning, face milling and virtually every other machining operation, ACCU-LINE consistently produces smaller and more uniform chips.

Customers have confirmed ACCU-LINE provides:

- Higher speeds and feed rates
- Increased machining efficiencies
- Improved recovery of machined parts
- Lower operating cost per job

A Complete Product Line

ACCU-LINE is produced in a wide selection of extruded rod, bar and hex sizes and is comprised of our well established industry brands including:

ACCU-ROD®	0.438" to 8.000" diameters
ACCU-BAR®	1.000" thru 8.000" thickness and widths 1.000" thru 8.000" Available with +/- tolerances
ACCU-BAR+®	1.000" thru 8.000" thickness and widths 1.000" thru 8.000" Available with tolerances all to the + side
ACCU-HEX®	0.438" to 3.750" thickness
ACCU-PLATE®	0.250" to 4.000" thickness x 8.000" to 18.000" width
JUMBO-ROD	8.001" to 12.125" diameters

See individual product brochures for complete details and size charts.

For machining performance with accurate consistent results, specify ACCU-LINE. Available exclusively from Hydro and its selected Distribution Partners.



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We are aluminum

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