

HYDRAULIC SOLUTIONS

ENGINEERING - MANUFACTURING - ASSEMBLY - QUALITY CONTROL - LOGISTICS

COMBINING EXPERTISE AND MANUFACTURING CAPABILITIES

Gates supplies high-quality and reliable hydraulic products ranging from high pressure tubing to hydraulic hose assemblies – all backed by the latest innovations and world class application engineering. Our facilities throughout North America allow us to best service our customers with a strong logistical network and additional services.

OPTIMIZING SYSTEM DESIGN WITH APPLICATION ENGINEERING

- Design solutions efficient application of tubing and hose assemblies to improve routing and reduce cost
- Part complexity and assembly time reduction – while addressing complex routings with Hose-tube-combos
- Broad portfolio offering including various tube materials, plating, and termination options
- Rapid prototyping on-site routing and support

ENHANCED FOOTPRINT TO PROVIDE LOCAL DELIVERY AND SERVICE

- 8 Assembly locations in North America to service customers more efficiently
- Redundant capacity and capabilities in multiple locations
- Line-side delivery, kitting and sub-assembly

MINIMIZING LEAK POINTS THROUGH INTEGRATED SYSTEM APPROACH

- Components expertise leveraging Gates quality and design expertise for hydraulic hose, couplings, and tubing products.
- Testing and validation product portfolio extensively tested to deliver leak free performance to SAE 1754
- Component elimination integrated stems and formed end terminations allow for reduction of leak points





TUBE END OPTIONS

- JIC, O-Ring Face, Code 61, Code 62
- Swivel Male JIC
- Brazing
- End forming
- Beading
- MP and MB

CORROSION SOLUTIONS

- · Zinc-trivalent chromate
- · Powder coating and zinc nickel
- Galfan® coated tubing
- In-house plating capabilities

CLEANLINESS

MATERIALS*

Imperial

• SAE J356 and J525 up to 3" OD. Imperial

SAE J2614 and J2613 in 1" OD. Imperial
SAE J2467 and J2435 up to 1.25" OD.

• ASTM 316L/304 up to 1" OD. Imperial

Others available upon request.

* Most commonly used and stocked materials.

SAE J524 up to 2" OD. Imperial (some metric sizes available)

- Various cleanliness methods available for hose assemblies and tubing
- Multiple in-process flushing steps to minimize contaminants
- In-house plating minimizes pre-plating oxidation in tubing



PRODUCT PORTFOLIO



- **HYDRAULIC TUBING**
- HYDRAULIC HOSE ASSEMBLIES
- HOSE-TUBE-COMBOS
- ADAPTERS AND FLANGES
- HYDRAULIC TUBE MANIFOLDS
- **KITS AND BUNDLES**





COPPER BRAZING

- Allows efficient and repeatable processing of complex tubing assemblies
- Suitable for high pressure tubing applications
- Protective exothermic atmosphere ensures clean highly-repeatable and quality brazing process



SEE GATES.COM FOR ADDITIONAL PRODUCTS FROM GATES

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