

Gates Makes A Tough Job Easier with Hydraulic Hose, Couplings, Industrial Hose and Belt Products



GLOBAL HOSES AND COUPLINGS

Gates commitment to the mining, construction and oil field industries is reflected in our complete product line.

Not only do we make products that are technically superior – we solve



problems. We save you money. We help you control your inventory. And we constantly innovate to bring new products on line to meet the needs of our customers.



GlobalSpiral™ Couplings

Works with Gates high-pressure, spiral hose in sizes 3/8" - 1-1/4"

- Surpassed one million impulse cycles at 250° F without failures
- Handles working pressures up to 6,000 psi
- No-skive ferrules available for fast, tailor-made assemblies
- 30-plus thread/flange configurations for wider application coverage
- One stem for all spiral hose through 1-1/4" for reduced inventory

CPS Spiral Hose

- For high pressure hydraulic lines in longwall mining equipment and roof-support systems
- Handles petroleum-based or water emulsion fluids
- Meets pressure requirements of EN 856 (DIN20023)
- Continuous lengths to 200 feet
- Abrasion-resistant MegaTuff cover available

G5K Spiral Wire Hose

- For extremely high pressure hydraulic applications
- Meets SAE 100R13 specifications
- Continuous lengths to 200 feet

MegaSpiral® C12M Hose

- For very high pressures
- Half the bend radius of SAE 100R12 3,000 to 4,000 psi working pressure
- Tested to one million impulse cycles
- Abrasion-resistant MegaTuff® cover available



Gates offers a full line of one-half SAE bend radius hoses, from low-pressure return lines to extremely high-pressure lines. Built-in flexibility offers easier routing and handling, and means you need less hose to get from port to port. Gates couplings are engineered and tested to offer the superior quality and performance capabilities you expect in demanding industry applications.

MegaCrimp® Couplings

Works with all Gates wire-braid hose

- Gates' revolutionary MegaCrimp couplings use a patented "C" insert that provides a "no-weep" concentric crimp. They set the new standard in hydraulic couplings. They're easy to use. They don't leak.
- Accommodate a wide range of hoses, for simpler inventory management
- Are fast, simple to insert and ideal for installation in the field
- Keep equipment and environment clean



MCPB+ Hose

- For high-pressure mining equipment such as underground roof support systems
- Use with petroleum-based or water emulsion fluids
- Available with MegaTuff cover for exceptional abrasion resistance
- Couple with Gates MegaCrimp fittings; no skiving required
- Meets EN 853 2SN (DIN 20022) and performance requirements of BCS 174 (NCB 174)

MegaTuff® Hose

- Abrasion-resistant cover outlasts any other hose, even those with protective sleeves
- Available in a wide variety of wire braid and spiral hoses
- Up to 300 times the abrasion resistance of standard rubber cover

M2T MegaFlex® Hose

- For two-wire applications
- Bends twice as tight as SAE 100R2-rated hose
- Up to 47% less hose needed for 180° bend
- Meets SAE 100R16 working pressure in all sizes
- Small O.D., low profile and lightweight
- Superior flex impulse performance
- Abrasion-resistant MegaTuff cover available

M3K Mega3000® Hose

- For mid-range pressures
- All sizes have 3,000 psi working pressure
- Half SAE 100R1, 100R2 and 100R9 bend radius reduces hose requirements up to 47%
- Abrasion-resistant XtraTuff® and MegaTuff® covers available



HYDRAULIC CRIMPERS



MobileCrimp® 4-20 Hose Crimper

- Crimps low-pressure return lines to high-pressure four-spiral 1/4" through 1-1/4" I.D.
- Digital accuracy for precise, consistent crimping
- Variable loading provides clear view of crimping area
- Two crimp control options; six pump options
- Unique die design holds couplings in crimping position to free hands
- Portable (57 pounds) or can be mounted on service vehicle or workbench
- Dimensions: 12-1/4" wide by 6-1/4" deep by 17-3/4" high
- Powered by hand hydraulic pump, shop air pump, or 115v electro-hydraulic pump

OmniCrimp® 21 Hose Crimper

- Self-contained. No need for plumbing by hydraulic lines, air bleeding or special hookups. Everything is under the shroud – even the pump.
- Horizontal front-end feed. Large hoses with 90° bent tubes and flanges load without removing the dies
- Crimps from 3/16" to 2" 6-spiral hose
- Speed-loading die system is fast, clean. Each die has its own storage cylinder. Dies simply slide into place.



INTERNATIONAL THREAD ENDS

With so much international equipment now on the job site, a top-quality hydraulic hose is of no use to you if you don't also have the right couplings to go with it. That's one more reason you can rely on Gates. We supply a full line of international thread ends for the metric equipment made in Great Britain, France, Germany and Japan. In addition, look to Gates for

- All the Caterpillar-style flanges and Komatsu-style couplings
- "O" ring flanges with special "jump sizes", bent tube angles and drops for construction equipment
- High-pressure "O" ring flanges are one-piece design for maximum strength; no brazed or welded joints



G A T E S I N D U S T R I A L H O S E

Name any industrial hose you'd need on a mining, construction or oil field site. Gates makes it, everything from general-purpose hose to specialty products designed for specific applications. Nobody can match the coverage of our product line. Some examples include the following:

Shark™ Water Suction Hose

The ideal suction hose for heavy-duty applications conveying water, detergents, phosphate ester hydraulic fluids and dilute solutions of acids, alkalis and glycols. Abrasion-resistant SBR cover along with EPDM tube construction in nine sizes and a rated working pressure of 150 psi make it the preferred choice.

19B Plant Master® Hose

Ideal for fuel transfer. Premium-grade multi-purpose braided hose with excellent flexibility. The tube handles air, water, petroleum oils, gasoline, kerosene, fuel oil and lubricating oils. Excellent weather and ozone resistance, as well.

3619MC High Pressure Water Hose

High-pressure water service hose for rough underground mining applications. Maximum working pressure is 1000 psi. The special cover meets MSHA's self extinguishing requirements.

Marlin™ Water Discharge Hose

Here's the perfect heavy-duty water discharge hose you've been asking for. It's a tough 150 psi SBR cover, EPDM tube that stands up to the demands of any mining or construction application. Available in 14 sizes to meet your particular water discharge needs.

Terminator® Hose

Incredibly tough multi-purpose hose which is perfectly suited for any mining or construction site. Freeze it in winter; broil it in summer, drag it through the mud and over rocks; it just keeps performing. A special yellow carboxylated nitrile cover vigorously resists abrasion. Available with MegaCrimp couplings in all sizes.

18MB Premium Air Drill Hose

A working pressure of 500 psi and extra-heavy duty, wire-braid construction makes this the perfect hose for high-pressure pneumatic applications. The hose tube is oil resistant, and the tough cover resists oil and abrasion.



GATES INDUSTRIAL BELT DRIVE SYSTEMS

John Gates invented the V-belt in 1917. It stands to reason Gates knows more about belts than anyone else. Gates manufactures a complete line of problem-solving industrial power transmission systems belts to meet the specialized needs of the mining and construction industries.



Poly Chain®GT² Belts

The workhorse. The optimal choice to meet your needs for low-speed (below 500 rpm), high-torque drive applications. Outperforms roller chain drives and any rubber belt drive system on the market today. The patented construction delivers more strength, greater tooth shear strength, and reduced friction, and eliminates the need for lubrication. Virtually maintenance free.

PowerGrip® GT² Belts

The Racehorse. The performance choice for a wide variety of high-speed (above 500 rpm) drive applications. Provides extraordinary load-carrying capacity at a lower overall cost than any other rubber synchronous belt available.



Predator® Belts

Available in both Super HC® and Hi-Power® II profiles, this extraordinarily tough belt is made expressly for the mining, construction, sand/gravel and oil field industries. It is ideally suited for shock-loaded applications.



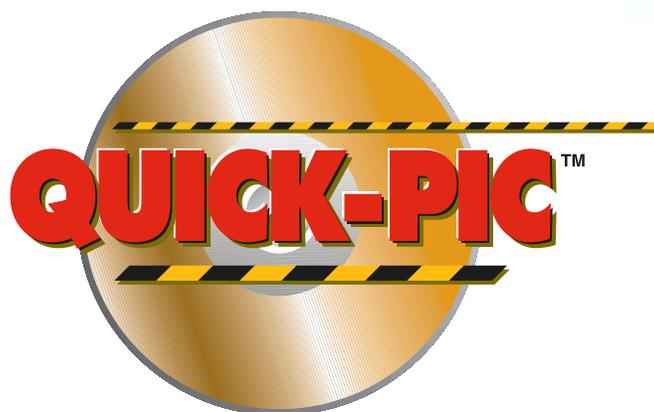
Gates computerized inventory support programs save time and money.



**Gates QUICK-PIC®
(Quick Part Number Interchange)**

Quick-PIC cuts the job of identifying replacement assemblies down to size. This one-of-a-kind computer program interchanges manufacturer's part numbers with the Gates replacement. No waiting. No guessing. No hassles. Just the right replacement – fast!

- Offers complete coverage
- Reduces downtime
- Assures quality and reliability
- Guarantees fast service



**Gates AIM®
(Accurate Inventory Manager)**

AIM ensures you'll get the parts you need, when you need them, at a price you can afford. This +computerized inventory management program matches your distributor's inventory to your exact needs. AIM tells your distributor exactly what parts to stock.

- Offers complete coverage
- Reduces inventory costs
- Saves time and money



For a complete listing of all Gates industrial and oil field products, including rotary drilling and vibrator hose, see Gates Industrial Hose catalog #39496-0000.

For a complete listing of all Gates mining, construction and oil field products see Gates Mining Products catalog #99993.

For a complete listing of heavy-duty automotive products for mining industry application see Gates Fleet & Heavy-Duty Applications catalog #31-2030.

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in Belts, Hose and Hydraulics.**



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