



MEGACRIMP® COUPLINGS

FEATURE EXCLUSIVE TUFFCOAT® PLATING

NOTHING'S BETTER THAN TUFFCOAT® PLATING FROM GATES.

This innovative technique gives our MegaCrimp® couplings four times more corrosion resistance than before. That's 400 hours of red rust corrosion protection when subjected to rigorous SAE-J516 and ASTM-117 salt-spray conditions. This 500+ percent improvement over the 72-hour SAE standard proves Gates not only raised the bar on corrosion resistance – we've set the standard.

Further developments in corrosion resistance have seen Gates release TuffCoat® XTreme™ Plating (TCX) which offers 840 hours of red rust corrosion resistance based on ASTM B117 salt spray testing – 1066% greater than the 72-hour SAE standard.



Gates TuffCoat®



Images taken at random stages of salt spray testing show that Gates TuffCoat plating significantly outperforms competitive products in its ability to protect against red corrosion.

Note: the white seen on the couplings is salt residue which is not corrosion.

MegaCrimp®

THE VERSATILITY OF MEGACRIMP® COUPLINGS

OFFERING AN END TO END MATCHED SYSTEM WITH GATES COUPLINGS AND HOSE PROVIDES THE HIGHEST-QUALITY, LONGEST-LASTING AND SAFEST ASSEMBLIES AVAILABLE.

Gates designed and qualified the MegaCrimp® coupling to work with our existing products. It's an unbeatable combination. MegaCrimp® handles our complete line of wire-braid hoses.

One MegaCrimp® coupling covers all Gates wire braid hose!

M-XP™ A wire braid hose that performs like a spiral hose. This 4,000 psi capacity hose has been thoroughly proven with 1,000,000 impulse cycles at 100°C and is compatible with one-piece MegaCrimp® couplings.

M3K Mega3000® Every size exceeds 3,000 psi working pressure. A 1/3 SAE bend radius hose that reduces required hose length by up to 60%. SAE 100R9 performance in 3/4" & 1" sizes. MegaCrimp couplings available for hoses in sizes 1/4", 3/8", 1/2", 3/4" and 1".

M4K (Mega4000™), M5K (Mega5000™) & M6K (Mega6000™) Meets one-half SAE100R1, 100R2 and 100R9 bend radius, plus SAE 100R9 performance on 1/2" sizes and SAE 100R12 on selected hoses for 3/8" to 3/4" sizes. All sizes have constant working pressure throughout the series.

SOLVING YOUR PROBLEMS WITH QUALITY PRODUCTS AND SERVICE

The team at Gates pride themselves on identifying and meeting customer needs. That's how Gates got to be a leader in hydraulics – by listening to our customers and responding in a timely manner with products that are unequalled in the industry. At Gates, we also focus on service. Just ask. We're ready to help you select the proper hose and couplings or design an entire hydraulic system to meet your specific application.



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TH7 and TH8 A new generation of crimpable thermoplastic hose that meets SAE 100R7 and SAE 100R8.

G1 and G2 For hydraulic oil lines with working pressures of 1,625 to 5,000 psi. Meets or exceeds SAE 100R2AT, SAE100R1AT and U.S. MSHA 2G flame resistance acceptance designation. Available in 1/4", 3/8", 1/2", 5/8", 1" and 1-1/4".

M2T® Hose Megaflex M2T hose is better than ever, with a tighter bend radius and lighter weight than G2 hose. It also has a lower force-to-bend ratio allowing easy routing in spaces that are too tight for standard SAE 100R2 hose. The layline got an update as well and now sports the SAE 100R16 designation.

GMV MegaVac® For return, suction and vacuum lines. One-half SAE 100R4 bend radius. Flexible and lightweight. MegaCrimp couplings are available in 3/4", 1" and 1-1/4".



MegaCrimp® coupling specifications and detailed information are listed in the Gates Hydraulic Catalogue #35093.

E-Crimp

Crimp with the precision of Gates

Quickly find hose and hydraulic crimp specifications
Gates eCrimp™ database allows Gates end users and distributors to find and print the most up-to-date crimp specifications for Gates hydraulic and industrial hose products. It provides crimping instructions, crimp diameter, maintenance and troubleshooting information for the GC16XD, MobileCrimp 4-20, PC 707, SC32, PC 3000B, PC2001, GC32-XD™, GC96 and Omni Crimp 21.

eCrimp:

- > Reduces downtime with hose assembly guides
- > Eliminates potential dangers of an improperly crimped hose
- > Quickly and easily finds exact crimping specifications from your browser
- > Is the on-board database for the GC32TSI and GC96TS
- > Allows you to create custom reports around the products which you use most.

Go to gates.com/ecrimp for more information on the web version and mobile app.

The BEST just got better



MegaCrimp® Couplings

WHEN YOU NEED A LEAK-PROOF SEAL, GET THE BEST

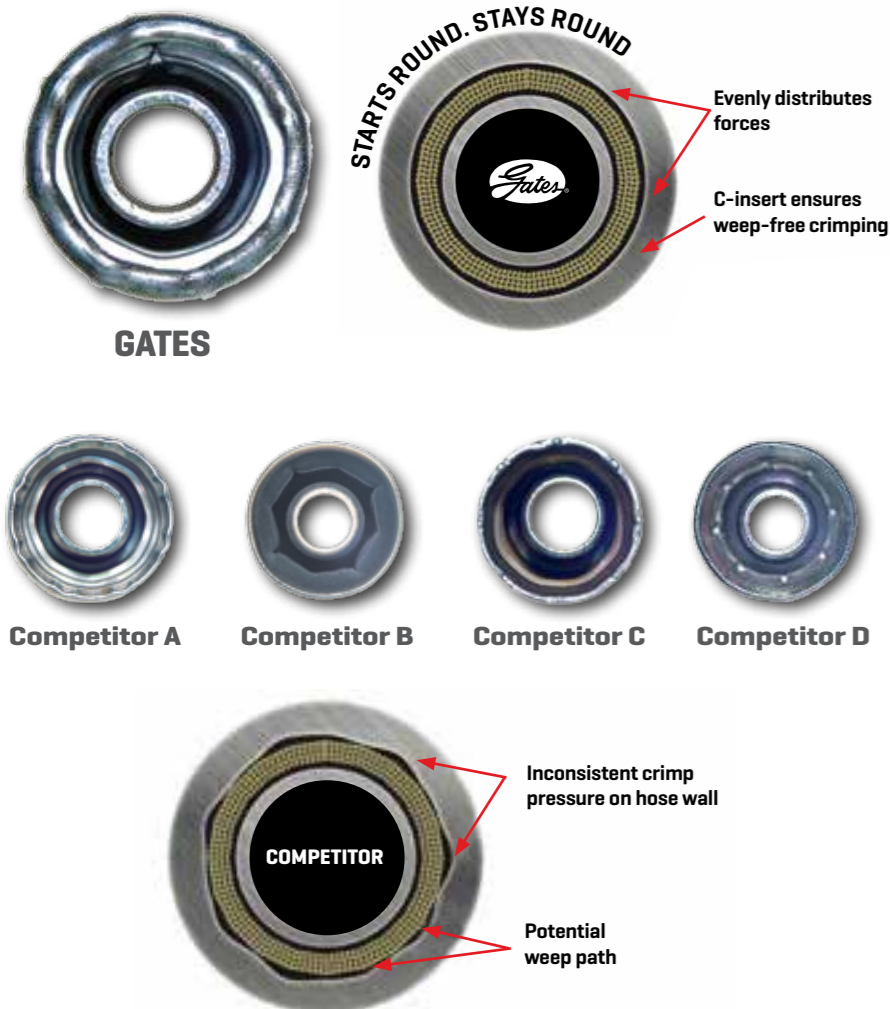


MEGACRIMP® COUPLINGS: ANY OTHER COUPLING IS A COMPROMISE.

CRIMPS IN ALL GATES CRIMPERS

MegaCrimp® fits all Gates crimpers, so all you need to know is the crimp setting, the crimp outside diameter and the die set.

THE "C" INSERT STARTS ROUND, STAYS ROUND



The "polygon effect" is even more dramatic when the couplings are crimped without the hose!

The illustration depicted shows the comparison of the Gates Megacrimp® coupling to leading competitor couplings.

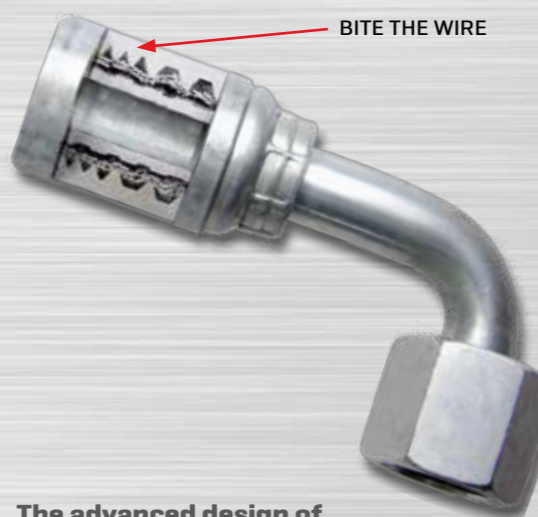
SIMPLICITY + VERSATILITY

- > Crimps on all wire-braid hose
- > "Bite-the-wire"
- > Easy insertion
- > TuffCoat® plating
- > Fully integrated with Gates MegaSys® hose

MegaCrimp® couplings don't require much force to insert onto the hose. As displayed in the picture below, you can feel them "hit bottom" when you insert them.



Once inserted, MegaCrimp® couplings stay inserted. They won't fall out during the crimping process.



The advanced design of the MegaCrimp® tooth profile shown above "bites the wire" for maximum coupling retention unlike the competitor's crimp shown below that relies on the compression of the rubber tube and cover.



MEGACRIMP® COUPLINGS - WITH A CRIMP SEAL YOU CAN COUNT ON.

MegaCrimp® couplings give you a leak-proof seal that's so innovative, it's patented*. In fact, it surpassed one million impulse cycles during design testing.

* U.S. Patent #5267758



The revolutionary MegaCrimp® coupling.

KEY CHARACTERISTICS

MegaCrimp® couplings set a new standard for hydraulic couplings. The unique "C" insert ensures "weep-free" concentric crimping to keep equipment and the environment clean.



The patented "C" insert pictured outside of the ferrule.

FULL-TORQUE NUT™ DESIGN

One of the most common causes of hydraulic leaks is a cracked coupling nut or seat due to over-torquing by a strong-armed worker. Gates has engineered a solution - Full-Torque Nut™ technology now available on Gates MegaCrimp® and GlobalSpiral® couplings.



THE SECRET: IT'S AN INSIDE JOB

It's what's inside the MegaCrimp® coupling that makes it perform so well. The same "C" insert can be used on hoses with different constructions and wall thicknesses. In addition, the "C" insert fabricated within the ferrule ensures an even distribution of crimping forces to form a concentric seal. That simplifies your inventory requirements since one size can accommodate many different hose ODs, on both one- and two-wire hoses. An additional bonus: MegaCrimp® couplings are a fully qualified EN-performance coupling.

KEY FEATURES

- > Full-Torque Nut design on female JIC and O-ring face seal
- > Robust "bite-the-wire" crimp
- > Versatile
- > Low profile
- > Full stem insertion
- > Full-length crimp
- > Easy-to-manage inventory reduces SKUs
- > TuffCoat® plating for 500 percent better corrosion resistance
- > Fully qualified EN-performance coupling

GC16XD MINI CRIMPER & PUMP

Crimping at remote job sites requires a durable yet user-friendly crimper. Weighing only 20kgs, this crimper can be used anywhere. The Gates Mini Crimper and pump combine the performance and speed of a powered pump with the convenience of a hand pump. Crimps up to 1" 2-wire.



MOBILECRIMP® 4-20

The latest in high-tech crimping. Portable and lightweight - only 25kgs- but powerful enough to crimp up to 1-1/4" four-spiral wire hose. Great for jobs in the field. Digital accuracy for precise, consistent crimping.



GC32TSI™

The GC32TSi crimper is a revolutionary way to crimp Gates hose and couplings. This new smart, precision crimper includes all the necessary tools and information on board to crimp factory-quality hose assemblies. The easy-to-use Android™ touch screen ensures a perfect crimp every time. Simply touch the icons for the hose and couplings you are assembling and the machine will list the proper dies to use as well as the correct crimping specs using Gates eCrimp™ data.



MegaCrimp®