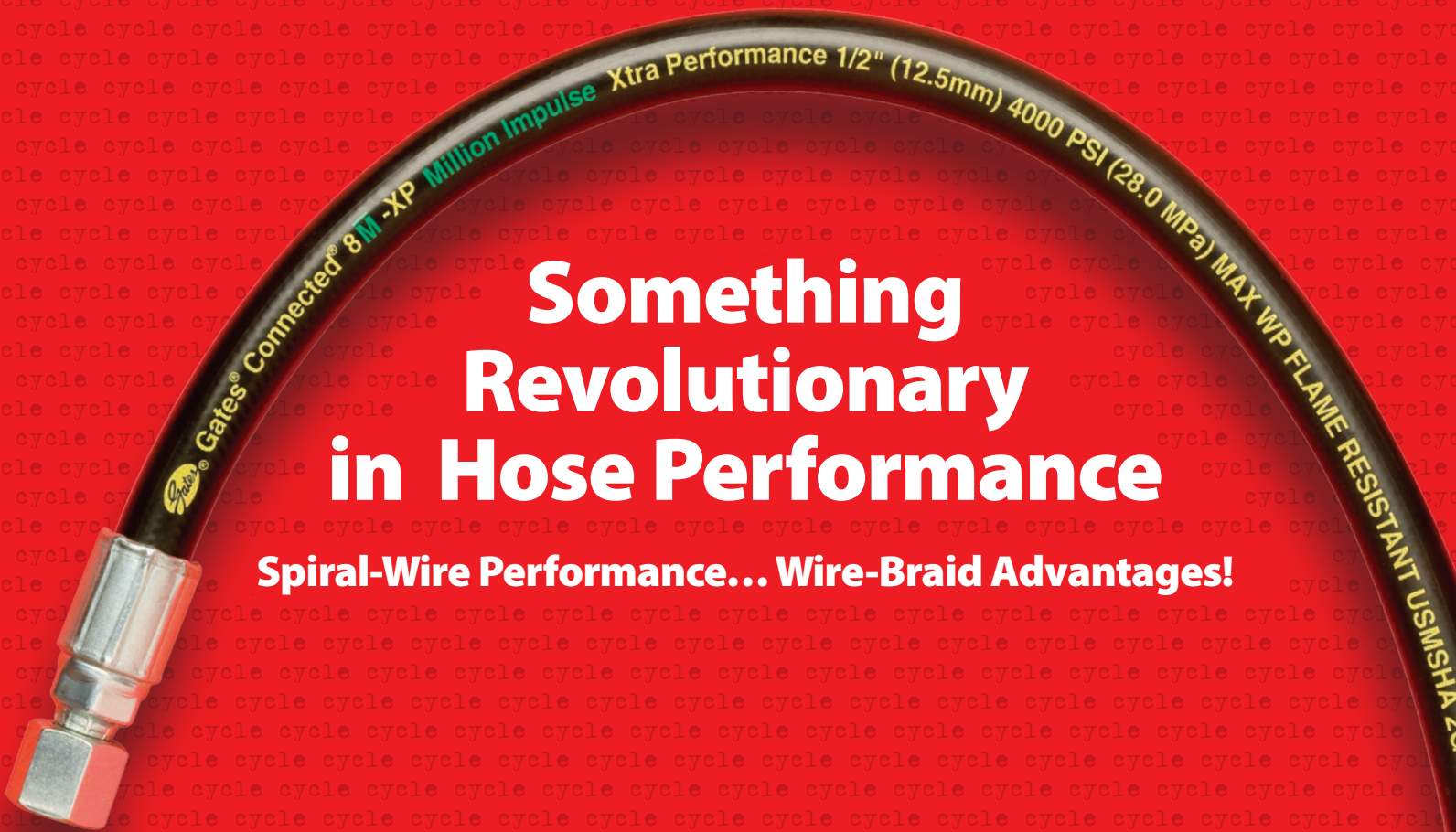




# Something Revolutionary in Hose Performance

**Spiral-Wire Performance... Wire-Braid Advantages!**





# The Revolutionary Gates $\overline{M}$ -XP™ Wire-Braid Hose

## The 1,000,000 Cycle Original – There's Nothing Else Like It

Imagine the possibilities – a wire-braid hose that performs like a spiral-wire hose. That's how the new Gates  $\overline{M}$ -XP™ hose performs. ( $\overline{M}$  is the Roman numeral for 1,000,000.) Look at the benefits:

- Less expensive than spiral-wire hose
- More economical one-piece couplings
- Half SAE bend radius allows for wire-braid flexibility
- Five sizes, each with two-wire braids
- 4,000 psi in all five dash sizes
- Tested at 1,000,000 impulse cycles at 212°F

## Save Big Bucks Two Ways

### 1. Reduce the cost of a tough hose

We all know Gates spiral-wire hose is tough – tougher than any application you can put it to.

But there's a price attached to that kind of toughness. Not just for the hose, but for the couplings that go with it.

Until now.

Now there's Gates  $\overline{M}$ -XP, a hose unlike any other. Tough? Use it in virtually any spiral-wire application up to 4,000 psi and 212°F. That's especially welcome on out-of-sight applications like boom arms, scissor lifts and on agriculture equipment, cement trucks and bulldozers.

You get the toughness without the spiral-wire expense.

### 2. Reduce the cost of couplings

Spiral-wire hoses require spiral-wire couplings.

No surprise there, right?

Spiral-wire couplings have to withstand the rigors of demanding applications. Again, no surprise.

But why take on the expense associated with spiral-wire hose and couplings when there's an economical alternative?



**MegaCrimp Couplings**

Like one-piece MegaCrimp couplings.

The Gates  $\overline{M}$ -XP hose not only performs like spiral-wire hose, but you can save even more by making assemblies with Gates economical MegaCrimp couplings – in all 4,000 psi applications.

Now there's a surprise.

## Bends Over Backwards for You

Unlike spiral-wire hose,  $\overline{M}$ -XP is flex-i-ble. As with all Gates wire-braid hose,  $\overline{M}$ -XP has one-half the standard SAE bend radius.

The benefit?

That makes  $\overline{M}$ -XP hose accommodating. It's easy to handle. It takes up less space. Routing is no headache.

Just bend it.

Then route it where you want it.

What size of hose do you need?

Large diameter? Small?

Whatever the application, just specify  $\overline{M}$ -XP hose and you're covered. Gates manufactures it in five sizes, each in two-wire braid construction.

An added bonus – each size handles 4,000 psi with ease.





## Testing for SAE Standards

First, some background:

SAE sets certain standards for the industry. These standards are performance minimums. For example, a given hose must meet the SAE standard for impulse cycles at a certain temperature.

For standard, run-of-the-mill wire-braid hose, the SAE standard is 200,000 impulse cycles.

For an everyday, plain vanilla spiral-wire hose, it's 500,000 impulse cycles.

Gates expects more from their products. Demonstrating the pacesetter expertise you expect from the industry leader, Gates sets the bar considerably higher. It tests its wire-braid hose at 600,000 impulse cycles at 212°F, and its spiral-wire hose at 1 million impulse cycles at 250°F.

## M-XP Testing – Going Well Beyond SAE Standards

Gates tested its new M-XP hose at 1,000,000 impulse cycles at 212°F.

How long did that take?

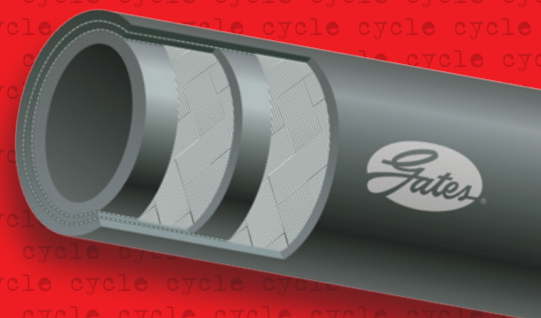
At one impulse cycle every second, one million non-stop impulses takes 276 hours (or almost 7-weeks based on a 40-hour work week).

What does 276 hours of non-stop testing mean to you?

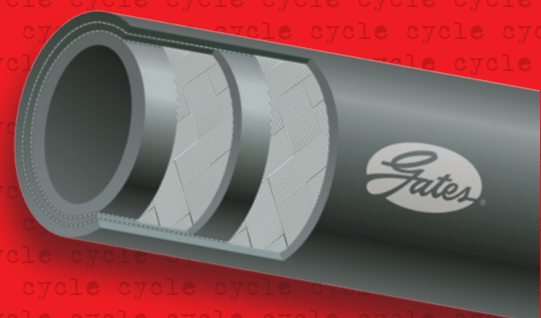
First, it means that you can confidently use Gates M-XP wire-braid hose in place of any existing spiral-wire application up to 4,000 psi and 212°F.

Second, it assures you of an extended service life. It will never wear out on impulse cycles alone. In fact, it is so durable that the equipment you install it on will most likely wear out before the M-XP hose does.

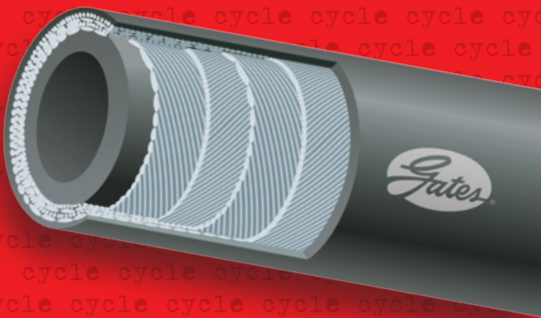
How's that for revolutionary?



**Gates wire-braid hose tested at 600,000 impulse cycles at 212°F.**



**Gates M-XP hose tested at 1,000,000 impulse cycles at 212°F.**



**Gates spiral-wire hose tested at 1,000,000 impulse cycles at 250°F.**



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