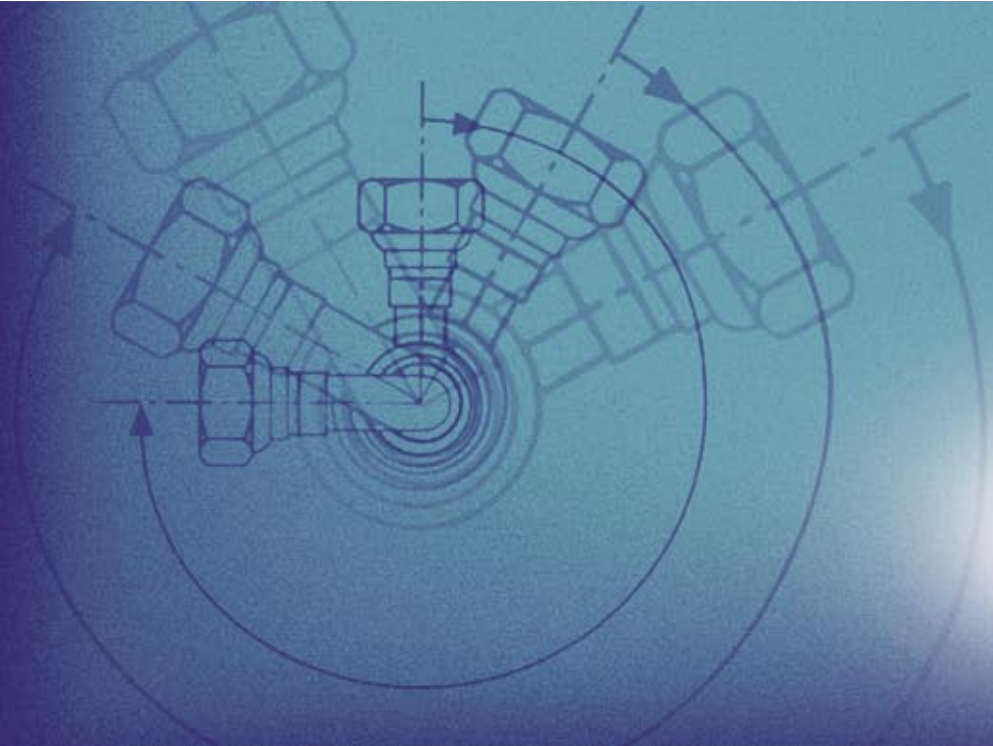


8M5K

Wire-braid performance
above and beyond
existing limits



8M5K



A Tomkins Company



8M5K

8M5K A new milestone in the evolution of wire-braid hose technology

35.0 MPa

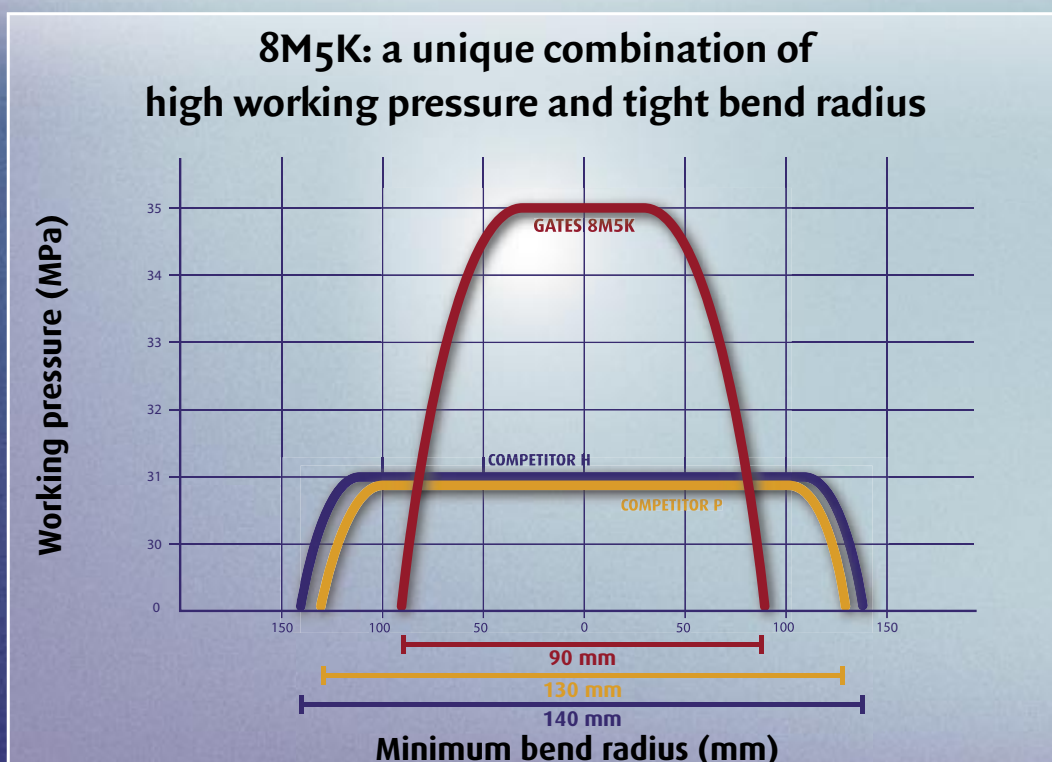
Technology is evolving rapidly. Today's machines are getting lighter, more powerful and smaller every day. Hydraulic systems are being asked to weigh less and work harder in smaller and smaller spaces. Consequently, hydraulic hoses must also evolve. They must become lighter and capable of functioning flawlessly in small, confined spaces under higher pressures than ever before.

Wouldn't it be great if there was a 35 MPa hose which combined the light weight of a wire-braid construction with a tight bend radius and superior flexibility allowing it to be installed easily and function properly in even the tightest spaces?

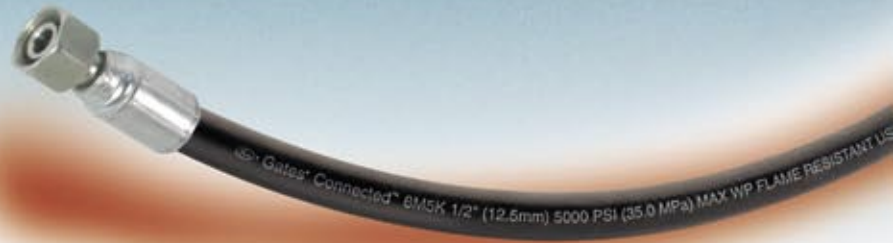
Today there is: Gates 8M5K high performance wire-braid hose. Designed for a changing world, 8M5K is the best of both worlds. It's revolutionary design boasts an unsurpassed combination of pressure tolerance, compactness and flexibility in a lightweight wire-braid construction.

8M5K's unique combination of **A wire-braid hose that combines 35.0 MPa pressure tolerance with a 90 mm bend radius**

90 mm bend radius with a 35.0 MPa working pressure is a new benchmark for wire-braid performance in the industry.



8M5K vs. selected competitors



8M5K takes performance above and beyond existing limits

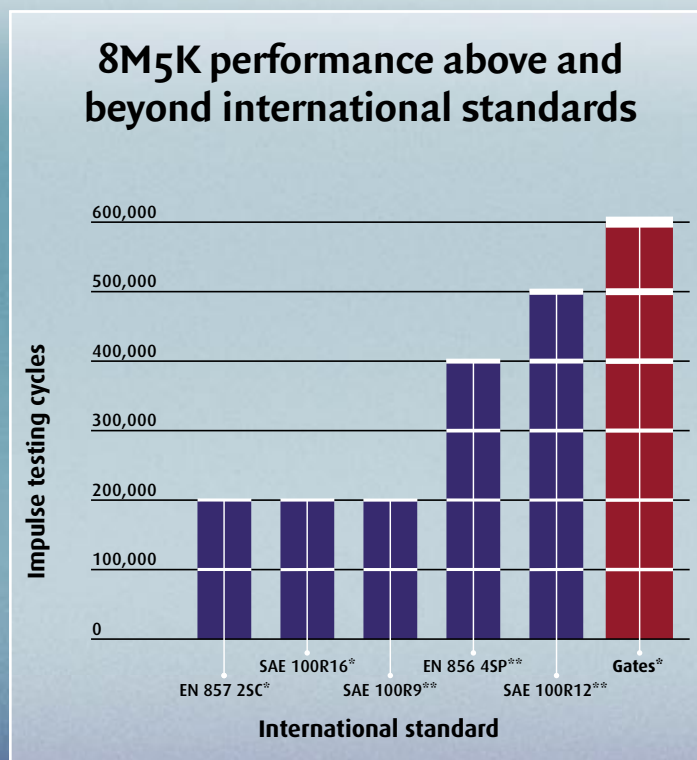
Gates 8M5K lowers costs by extending wire-braid hose performance beyond yesterday's limits. With its superior flexibility and compactness 8M5K is ideal for a variety of applications such as load handling equipment and mounted boom cranes for example.

To find out if 8M5K is right for your needs and how to get the most advantages from it, contact a Gates representative for a full, free consultation today at: (44) 1480 / 22 52 77.

From Scandinavia: (32) 53 76 28 65.

The Gates 8M5K advantage

- Unprecedented combination of pressure tolerance (35.0 MPa) and compactness (90 mm bend radius) in a wire-braid construction
- Significantly lighter and cheaper than any equivalent spiral hose
- Allows compact assemblies thanks to its small bend radius
- Easy to manipulate and route thanks to its superior flexibility
- A member of the Gates Global hose family, which means it also offers:
 - Outstanding resistance to biodegradable oils
 - Leak-free performance: above and beyond any international standard



SAE: Society of Automotive Engineers
EN: European Norm

* 2 wire-braid construction
** 4 spiral wire construction



Gates Integrated System approach: get the most from these superior products

With Gates Hose & Connectors, superior products are just the beginning. The true value of being a Gates-connected user comes from the complete Gates Integrated System.

Gates Global hoses and couplings, when used together and assembled with Gates validated crimpers calibrated to Gates' proprietary optimal crimp data settings ensure full compliance to the European Machinery Directive and guarantee performance levels above and beyond international standards.

With the Gates Integrated System approach, you get factory quality every time!

The Gates integrated approach: How does it work?

A simple equation:

**Superior products, manufactured
to stringent tolerances**



**Advanced crimping machines and dies,
rigorously validated**



Optimal crimp data, meticulously tested



**Factory-quality performance above and
beyond international standards**



8M5K

Gates 8M5K – A proud addition to an elite family of Global hoses and couplings

Gates' 8M5K hose is not only a breakthrough in wire-braid hose performance, it is also part of the Gates global range.

Gates Global MegaCrimp® couplings offer a range of unparalleled benefits



Performance above and beyond any global standard

MegaCrimp® couplings are developed to withstand impulse testing to 600,000 cycles at 133% of working pressure. Above and beyond any international standard.



Cleaner, leak-free assemblies, longer

MegaCrimp® couplings are no-skive, lessening the risk of contamination to your assemblies. And since MegaCrimp®'s advanced tooth profile bites-the-wire you still get the most secure, leak-free assembly that money can buy.



The best fit. By design

Gates MegaCrimp® couplings fit onto Gates Global hose without the need for tooling. That's because they are designed together.



The perfect cylindrical crimp

MegaCrimp®'s patented C-insert ensures an optimum cylindrical crimp, giving you better flow and improved pressure and temperature resistance.



Corrosion resistant – to 4X the ISO standard!

All Gates Global couplings come equipped with the TuffCoat™ plating. In ISO 9227 test conditions, TuffCoat™ resists corrosion 4X longer than the standard (400 hours vs. 96).



8M5K

35.0 MPa 90 mm



- Light and compact high performance hose with a unique combination of spiral-like pressure tolerance (35.0 MPa) with an extremely tight (90 mm) bend radius
- More compact assemblies and easier routing thanks to its superior flexibility
- Nitrile tube for outstanding resistance to even the most aggressive oils
- Released with Gates Global MegaCrimp® NO-SKIVE couplings and impulse tested to 600,000 cycles at 133% of working pressure

8M5K technical data

-size	Inside diameter		Outside diameter		Burst pressure		Working pressure		Bend radius	Weight	= Ref	Prod. No.
	"	DN	"	DN	PSI	MPa	PSI	MPa	mm	kg/100m		
-8	1/2	12.0	0.87	22.0	20000	140.0	5000	35.0	90	64	8M5K	4657-02650

Tube: NBR (Nitrile).

Reinforcement: Two braids of high tensile steel wire.

Cover: NBR/PVC. MSHA approval.

To learn more about improving the safety and performance of your hydraulic hose assemblies go to

www.safehydraulicseurope.com, or contact us at:

TL: (44) 1480/22 50 00 FX: (44) 1480/22 53 50

From Scandinavia call:

TL: (32) 53 76 28 65 FX: (32) 53 76 28 89

Temperature range: -40°C to +100°C constant and 120°C intermittent.

Type approvals: DNV, GL and LR pending.

Note: For high impulse applications with high and frequent pressure spikes, Gates recommends the use of spiral wire reinforced hoses. 8EFG5K spiral hose has been designed for use with the GS Global spiral coupling range to withstand 1,000,000 cycles at 120°C.



Preventive maintenance for safe, reliable and productive machines.



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