



FIELD BULLETIN 169

MEGASYS™ M2T® & MXT™ PUSHING THE BOUNDARIES OF 2-WIRE BRAID HOSE

Increasingly demanding applications and systems are raising the bar on requirements, which has inspired Gates to further diversify its hydraulic hose portfolio. Last year, the innovative use of material science and design technology has brought a revolutionary wire braid reinforcement solution: **MegaSys MXT**. As of now, this cross-functional, multi-spec solution is **available in every target dash size, including new sizes -04 and -05**. But that is not all! Next to the completion of our MXT range, we also **introduce M2T and M2T-XTF** to the range of compact solutions that can support a new level of premium features and performance. You choose which solution is your best fit!



DRIVEN BY POSSIBILITY

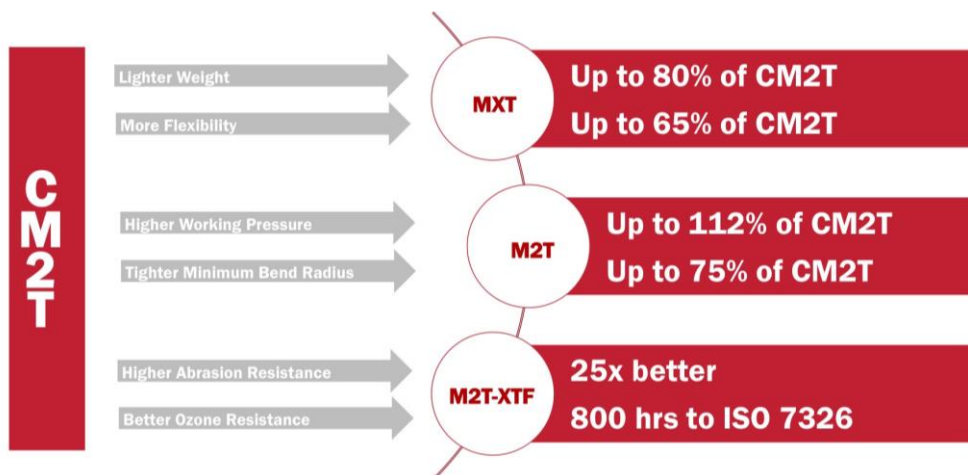


MXT

Perhaps you're already familiar with MegaSys MXT; our hydraulic hose solution that is extremely light-weight, offers maximum flexibility and has an optimal lifetime. By completing our MXT hose range with coverage on small ID hoses, we add yet another item to this innovative product's list of advantages: this multi-spec solution now allows you to consolidate your inventory and save precious floor space.

M2T & M2T-XTF

In today's hydraulic world we occasionally see the need for compact solutions that go beyond our current portfolio of compact premium performance solutions and today's CM2T capabilities. With the introduction of new M2T and M2T-XTF we address elevated working pressures beyond EN 857 2SC requirements in conjunction with industry leading performance regarding minimum bend radii and impulse lifetime. M2T and M2T-XTF are also available in sizes up to 2", offering a complete and premium replacement over the entire G2 hose line.



FOR MORE INFORMATION PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE

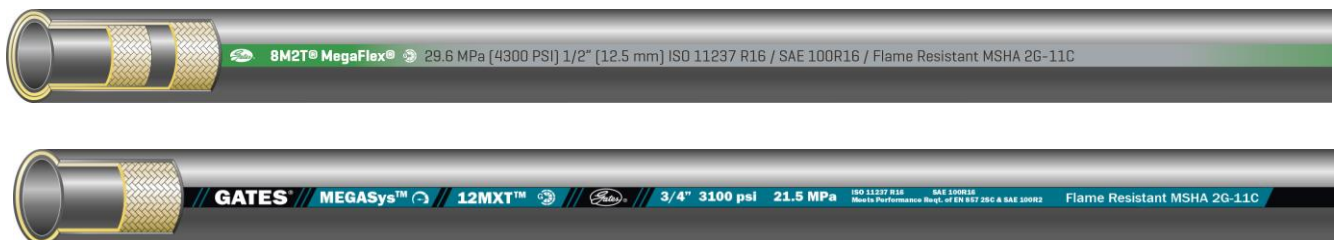
A FOCUS ON OZONE

Ozone can be found almost everywhere in small concentrations with normal levels of 10 parts per billion (ppb). It is created and triggered in the presence of sunlight, when ultraviolet light (UV light) transforms oxygen (O_2) into ozone (O_3). Ozone can oxidize and degrade materials (like rubber). When this happens ozone cracks appear, firstly on the most exposed and stretched surfaces, which is usually the outside radius of a bent hose. Logically, hoses that are frequently flexed in application are more susceptible to ozone cracking.

As a result rubber compound resistance to ozone is becoming an increasingly important requirement for hoses. MXT and M2T – using the same cover compounds – answer this growing need and offer an improved ozone performance over CM2T. Under ISO 7326 test requirements, specimen are exposed to extreme environmental conditions not even to be found anywhere in the world. Test specimens are subjected to endurance tests of 50 ppm concentration and compact minimum bend radii in a dedicated ozone cabinet. This test concentration is approximately 50 times higher than normal earth ozone levels.



Both MXT and M2T have outperformed the test requirement – no sign of any ozone cracks after 72 hours of test under 2 x magnifications. Both hose lines offer solutions for extreme conditions and have completed the 400-hrs ozone test without any cover cracking, largely exceeding ISO 7326 requirements. The ozone resistance of M2T-XTF is even more impressive: surpassing 800-hrs under ISO 7326 test conditions at rated minimum bend radii.



In the attached documents you will find crimp data and hose catalogue pages with further details and sales support materials on MegaSys M2T and MXT hose lines, providing you all the info required to upgrade from the existing CM2T hose which is scheduled for phase-out in the forthcoming months.

Whether driven by fuel consumption savings, more compact designs, increased system pressure, tougher environment ... Gates has a product at hand!

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