



Tech Tip

FLUID POWER - HYDRAULICS HOSE & COUPLING INTERFACE

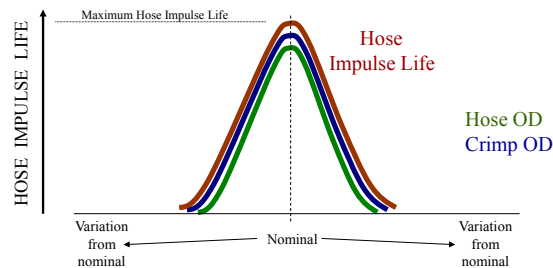
BULLETIN

The next time you grab any hose and a coupling ask yourself:

- > Who is the manufacturer of these components?
- > Have these components been designed together? Validated together? And if not, what are the risks i am assuming?
- > Am I willing to accept an assembly with a guarantee for reduced impulse life and performance?
- > Am I willing to risk catastrophic failure?

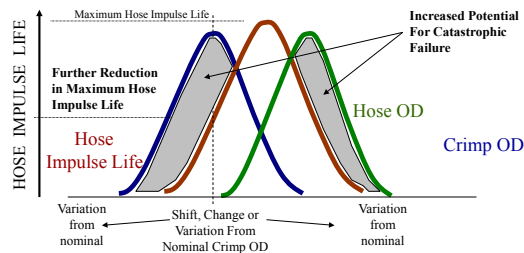
DON'T MIX AND MATCH!

- > A 3,000 psi coupling on a 3,000 psi hose doesn't always equal a 3,000 psi assembly.
- > One of the most important and often times overlooked factors in hydraulic hose assembly performance is the hose/coupling interface.
- > You can't just design a hose.
- > You can't just design a coupling.
- > You must design a system [a MegaSystem].



Unless you have a hose and coupling specifically designed for each other, you may end up with a hose assembly with a lower pressure rating, reduced life, or even worse, a catastrophic failure.

Hose outside diameter and crimp outside diameter are only two of the variables affecting assembly performance. As variation or tolerances increase even slightly for each component a significant reduction in hose assembly life is guaranteed and the risk for catastrophic failure increases.



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