



# Engineered Hydraulic Hose Assemblies



Gates engineered hydraulic hose assemblies provide superior performance to the farming industry.

Farming requires high-powered, high-pressure hydraulics with a line of engineered and matched hydraulic hose and couplings. As part of an integrated solution, there are Gates hydraulic hose and coupling products that offer peak performance and flexibility with enhanced durability.

Gates Spiral-wire hoses are constructed of up to six alternating layers of spiraled, high tensile steel, designed and tested to an industry-leading 1 million impulse cycles with working temperatures of -40°C to +121°C.

Gates wire-braid constant pressure hose is constructed of up to two braids of high-tensile steel wire, designed and tested to an industry-leading 600,000 impulse cycles with working temperature of -40°C to +100°C.

All Gates hoses utilise a synthetic rubber nitrile tube that is compatible with biodegradable hydraulic fluids, and are now available with abrasion resistant cover (25 times abrasion resistance over stranded covers) or even additional abrasion cover (300 times abrasion resistance over standard covers) for extra reliability and safety.

Gates hoses have colour-coded lay lines and pressure ratings through all sizes, making the hoses easier to identify in stock and in service while reducing inventory requirements. The lay line indicates hose trade name, size and pressure; SAE, EN or DIN standard; and US MSHA flame resistance compliance.

It is important when selecting hydraulic hose and couplings that the hose and couplings have been engineered and designed to work together, ensuring maximum efficiency and reliability. Mixing and matching of different hydraulic hoses and couplings can lead to reduced lifespan and susceptibility to breakdown, which not only costs time and money but can be a major safety factor.

Gates engineered coupling designs are also available as coupling for one- and two-wire braid hydraulic hoses and couplings are also available in four- and six-spiral wire hoses up to 8,000 psi. Corrosion-resistant plating is standard on both these types of couplings.

Maximise your equipment "up-time" by:

- Simplifying hose selection
- Increasing service life
- Easing installation and routing with superior bend radius (1/3 SAE bend radius)
- Lowering inventory requirements
- Extending life in bending, flexing applications
- Reducing costs by as much as 64 percent

For more information on Gates hydraulic products or Child Couplings distributed by Southcott, please visit [www.southcott.com.au](http://www.southcott.com.au)

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