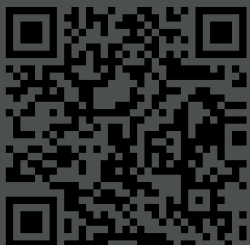
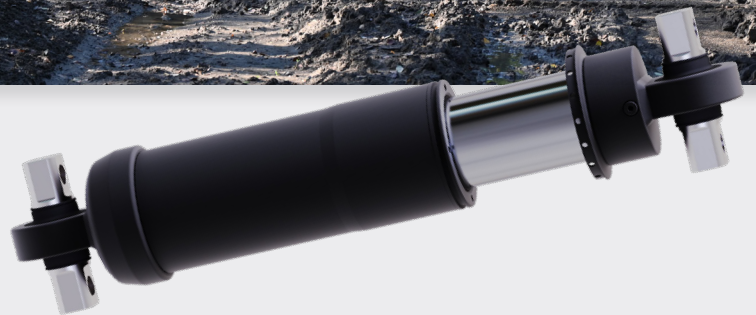


GAS HYDRAULIC SUSPENSION SYSTEM

Hydrop H5



Combat vehicle Patria AMV-XP,
Courtesy of Patria, Finland.



Hydrop H5

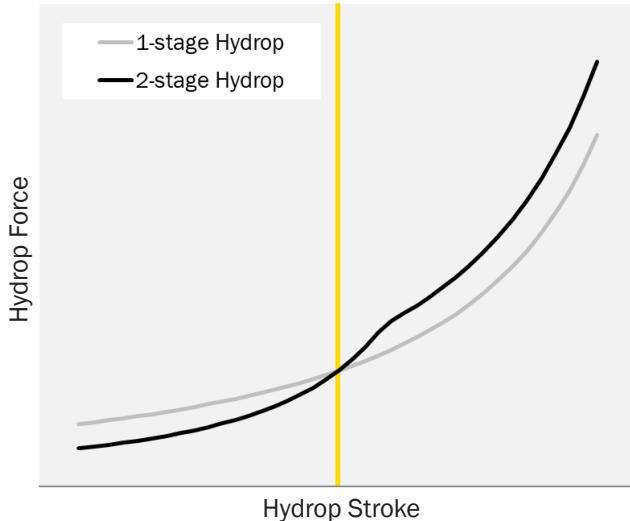
KALLER Hydrop is the ultimate gas hydraulic suspension system for heavy duty military vehicles. The KALLER Hydrop can generate a much larger force and longer stroke in relation to size and weight compared to mechanical springs. The suspension system improves ride quality with superior performance and flexibility to various terrains and vehicle configurations.

WHY HYDROP?

- Smaller and lighter compared to shock and coil or air bag and compressor suspension systems.
- Saving crucial weight and space.
- The Hydrop enables a long stroke length which provides better mobility even for heavy vehicles.
- One solution for the whole vehicle, the same Hydrop design can be implemented on all wheel stations by simply adjusting the gas pressures.
- Providing suspension and damping in one unit.



HYDROP CHARACTERISTICS



WHY KALLER HYDROP H5?

- Modular solution which allows simplified repair or replacement. Does not require any software integration.
- Offers a wide variety of mechanical interface options and does not require any integration with electronics.
- Future-proof your vehicle with a robust, tested, and battle proven design.
- Tested and verified over decades on several vehicles in various terrains.
- Provides reduced vibration and shock levels for better performance and crew comfort.
- Tested against MIL-STD-810, MIL-STD 882C, DEF STAN 00-250, DEF STAN 00-35, DEF STAN 00-56, STANAG 2895.
- All in-house development, production & assembly.
- Applicable to a variety of vehicle types such as IFV, ATV, CAV, Tactical, Medical in 4x4, 6x6, 8x8 and tracked vehicle configurations.
- Conforms to ISO 9001, ISO 14001, AQAP 2110.

TRUSTED BY

Patria and KALLER started collaborating over a decade ago. This collaboration has resulted in vehicle performance and mobility that is one of the best on the market. The foremost factor contributing to this success is the hydro-pneumatic performance delivered by KALLER. We are proud of this collaboration and look forward to continuing this partnership for many years to come.

ABOUT KALLER AND STRÖMSHOLMEN

Safety, performance, and trust define KALLER. At Strömsholmen in Sweden, we produce & engineer gas spring solutions for: sheet metal forming, industrial applications, and heavy-duty vehicles. Our specialty in gas sealing ensures performance and longevity. Founded 1876, Strömsholmen has been manufacturing a variety of industry products for different purposes. Our first gas spring was launched 1978, and we have continuously refined our gas sealing technology since then. Today, we remain a trusted global partner. Our promise is simple: The Safer Choice.