

# HMPT SERIES TRANSMISSION

The HMPT transmission is RENK America's compact, multi-function hydromechanical steering transmission, which has been selected for use in the Bradley vehicles of the U.S. Army and manufactured in Muskegon, Michigan, since the 1970s. At Renk America, we remain committed to providing warfighters around the world with reliable equipment they can count on to complete their missions.

## APPLICATIONS

- Bradley Fighting Vehicle (US Army/FMS)
- SPHS (US Army)
- MLRS (US Army/FMS)
- AMPV (US Army)
- Flying Horse/Flying Tiger K30 (Korea)
- NIFV/K21 (Korea)
- Bionix/BLB, Primus (Singapore)

## KEY FEATURES

- Modular design
- Small size and weight
- Service brakes, oil cooled
- Unique gear arrangement
- Electronic controls provide flexibility and reliability, performance enhancements

## BENEFITS

- Demonstrated reliability: 12,000+ fielded transmissions worldwide
- Robust design with few parts for ease of maintenance
- Superior steering control and capability of full pivot
- Built-in features for safe handling in the event of power loss or engine stall
- Shifting: Synchronous shifts that do not require the clutches to absorb energy during the shift, resulting in less heat and a longer life
- Steering: differential track speed is provided and causes the vehicle to turn with an infinite steer ratio
- Remains at a steady speed and power during full throttle
- Increased fuel economy
- No torque converter required
- Simple, proven controllability

