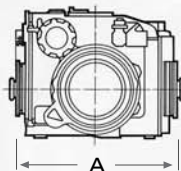
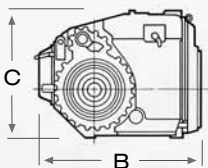
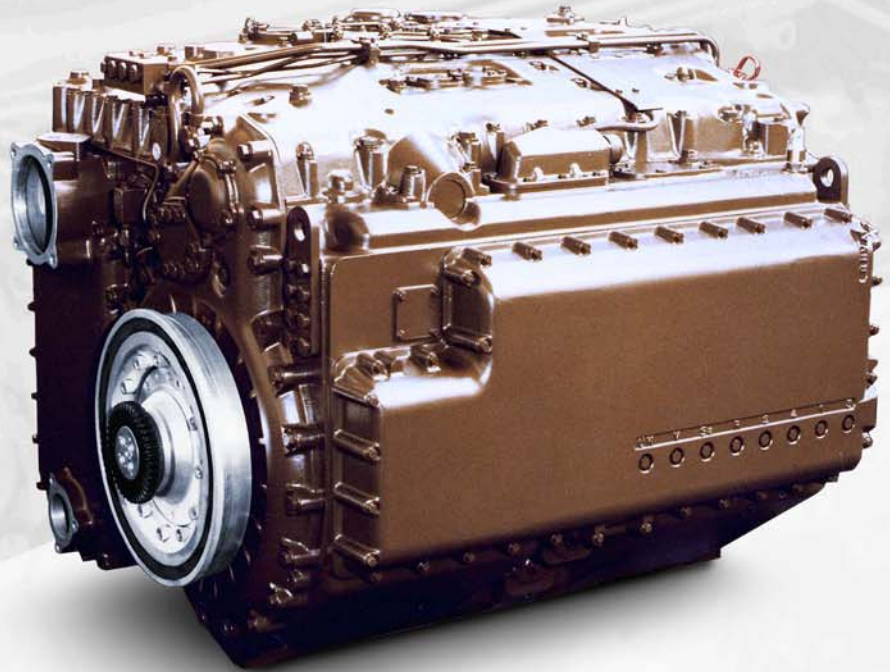


HSWL 194

RENK HSWL 194
for 30t class tracked vehicles
Power Range 400 - 500 kW

The HSWL 194 type was developed originally for the MARDER vehicle of the German army. Various variants were adapted to the original platform and multiple upgrades were done on the original vehicle. After more than 30 years in service the transmission is still in service.



Dimensions (AxBxC)	1,120 x 1,035 x 795 mm
Maximum engine power	500 kW (670 HP)
Vehicle weight, typical	30t class
Power shift transmission	4 speed forward 4 speed reverse
Overall ratio mechanical	4.3
Stall torque ratio	2.8
Transmission weight (dry)	1,250 kg
Brake system	primary retarder

Technical Characteristics

- Direction of output shaft rotation forward/reverse is freely selectable
- Front or rear vehicle installation
- Powerpack design
- Manual and fully automatic power shifting with electrical remote control
- Mechanical emergency gear shift system
- Torque converter with automatic lock-up clutch
- Infinitely variable hydrostatic superimposed steering system
- Pivot turn and neutral turn around the vertical vehicle axis at infinitely variable speed
- Primary side retarder for sustained braking action
- Power-take-off
- Engine can be started by towing the vehicle

Reference Vehicles



APC MARDER

- Armoured Personal Carrier MARDER (34t, Germany)
- Antiaircraft Tank ROLAND (35t, Germany)
- Armoured Air Defence Radar Vehicle AADRV (36t, Germany)



Antiaircraft Tank ROLAND



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