

where Engineering
meets Quality...

A P S
(I) Engineers

APS Power Take Off for Fire Tenders

(MECH/PNME-1127/ 1148)



Model: 1127 (1:1.27)



Model: 1148 (1:1.48)



Suitable For Vehicles Up to 180 HP

SALIENT FEATURES OF APS POWER TAKE OFF FOR FIRE TENDERS (MECH/PNME-1127/1148)

Rigid Gear Box Housing Design

- » Made of High Grade Cast Iron with optimized combination of Wall Thickness and Ribbing Pattern which provides for Durability and Light Weight.
- » Pattern & Core Box designed and manufactured using CAD/CAM technology.
- » Fully machined on CNC machining centres with latest cutting tools to maintain functional tolerances and surface finish requirements.
- » Functional parameters validated for quality on CMM Machine.



Helical Gears

- » Made up of special heat treated alloy steel for Durability & Uniform Power Transmission, Compact Design, Higher Load Carrying Capacity with efficient, smoother and quieter operation.



High Quality World Class Bearings of Reputed Make

- » Ensure Reliable Operation, Longer Life and Extra Load Carrying Capacity (for both Radial and Axial Loads).
- » Both Input & Output Shafts supported on Dia 60 mm Bore Size Bearings.

Superior Quality Oil Seals & O-rings

- » Made of high grade rubber having wear resistance at high operating temperatures for durable leak proof operation.

Lubrication

- » Adequate splash lubrication of gears, bearings & other rotating items.
- » Dual Oil Filling Points (Top & Side Window) for ease of Oil filling while mounted.
- » Air breather in the top cap provided for release of built up pressure inside the gear box chamber.
- » Magnetic Drain Plug at the bottom allows removal of Ferrous Dust particles from the Gear Box Chamber during maintenance.

Cooling

- » In line Water Cooling Coil with Water Inlet/Outlet ports provided to enable easy connections with the Intercooler.

Shifter Fork and Shifter Bush

- » Shifter fork specially designed and plated with brass plate on both sides for wear resistance and durability.
- » Shifter Bush made of High Quality Alloy steel for longer operational life.

High Quality Flexible Shifting Cable

- » Which is easy to install and provided with each PTO on customer's demand.

Mechanical & Pneumatic Shifting Mechanism

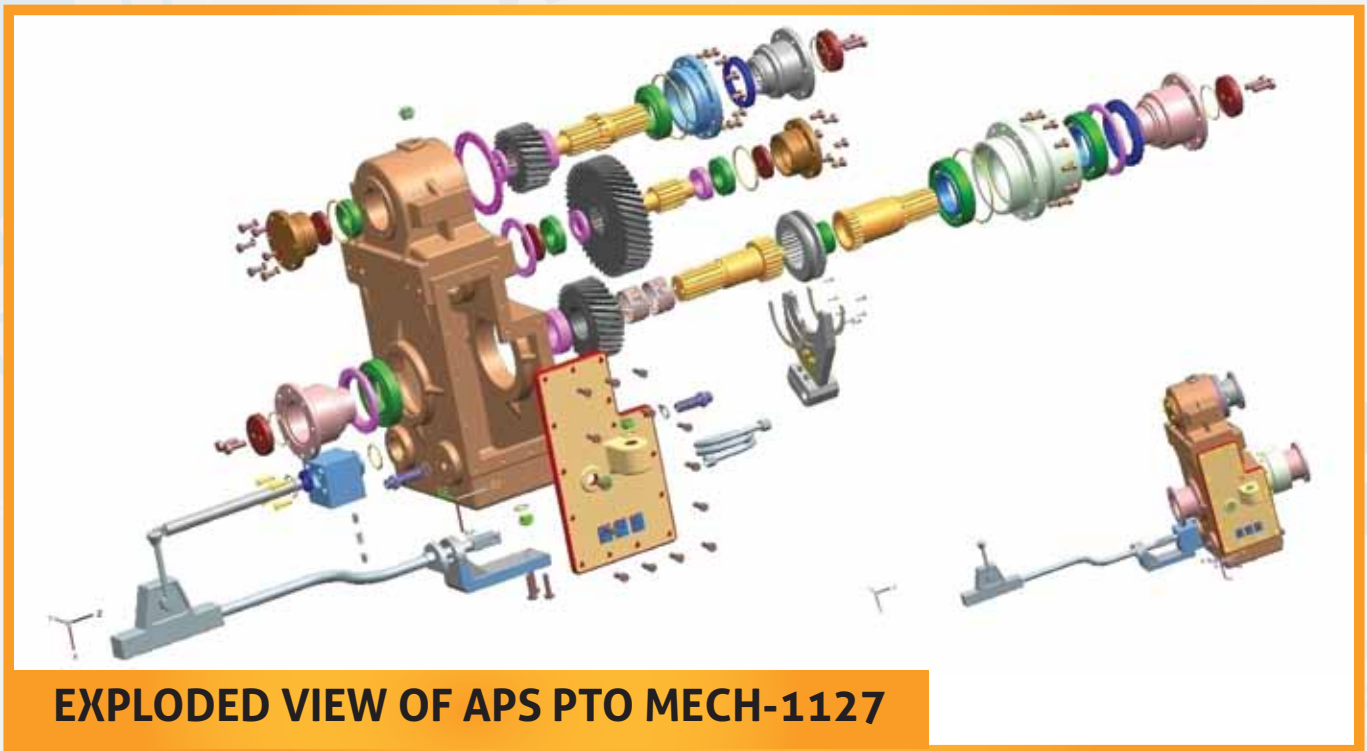
- » Combination of Mechanical + Pneumatic Shifting Mechanism available as per the user's requirements. (MECH and PNME)

Flange

- » Flanges available as per user's requirements based on the Type of Vehicle.

Torque Capacity

- » Designed to transfer the Road Shaft Torque of 6300 Nm. Suitable for Vehicles Upto 180 HP.



EXPLODED VIEW OF APS PTO MECH-1127

APS Make PTO's successfully running in Fire Tenders of various reputed organisations like:



And many more...

ABOUT APS (I) ENGINEERS

Since its inception in 2001, APS (I) ENGINEERS has been manufacturing quality Engineering & Automobile Components of intricate nature requiring critical geometrical accuracies for a number of renowned OEM's.

Apart from Manufacturing PTO's for Fire fighting Tenders, we have expertise in:-

Machining/ Manufacturing of Automobile Components like :-

- » Transmission Case and Top Cover
- » Rotary Tiller Gearboxes
- » Engine Time Case for Tractor Engines
- » Clutch Housing
- » Rear Plate for GardenTrac Engine

Manufacturing / Machining of Engineering Industry Components and Machinery Parts like:-

- » Wheel Housing and Plungers
- » Rail Support Pad
- » Taper Blocks
- » Motor Base



The In house Production Facility at APS (I) Engineers includes an array of CNC machines like Vertical Machining Centres, CNC Turning Centres, Horizontal Machining Centres of reputed makes like HMT, Hwacheon (Korea), Mori Seiki, Goindi Machines and Pinacho (Spain) complemented with required Conventional Machines like Horizontal, Vertical & Universal Milling Machines, Radial Drills Machines, Lathes, Surface Grinder, Power Hacksaw etc.



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