

**ROTATING GRAPPLES**  
FIXED TOP



# FTR 1770

The Ensign FTR 1770 series fixed top grapple is designed to be fitted to a hydraulic crawler excavator modified for log handling or a purpose built log loader in the 25 to 35 tonne class. The FTR 1770 is a fixed top continuous rotating grapple that allows a skilled operator to carry out all log handling operations including sorting, stacking, loading, and shovel logging.



**SPECIFICATIONS:**

Max Clamp Opening	Min Log Grip	Clamp Capacity	Approx. Weight	Hydraulic Slew Motor	Hydraulic Pressure	Slew Bearing & Pinion	Clamp Arm Cylinders	Pivot Pins
1670mm	Ø200mm	0.47m <sup>2</sup>	1760 kg	6000 Series Disc Valve motor  Displacement 390cc/rev, Maximum flow 40L/min.	Clamp Arm Circuit: 262 Bar (3800psi)  Slew Motor : 96 Bar (1400psi)	Hardened Pinion 15T Module 6  Hardened Ring Gear: 77t Max Rating	Ø4½" Bore x ½" Thick Cylinder Wall  Ø2½" High Tensile Spear	Knuckle: Ø2½" Hard Chromed, Ground  Clamp: Ø3½" Hard Chromed, Ground

