## **ROTATING GRAPPLES** BUNCHING



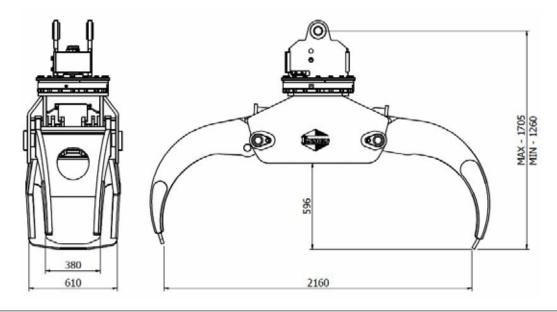
## 15T 2200

The Ensign 15T 2200 grapple is a wide-bodied continuous rotating grapple designed to be fitted to a hydraulic crawler excavator modified for forestry log loading in the 15 to 18 tonne class. This heavy duty grapple is designed to handle a larger capacity of smaller diameter logs for stacking in ships holds.



## **SPECIFICATIONS:**

Capacity	Max Clamp Opening	Min Log Grip	Approx. Weight	Hydraulic Slew Motor	Hydraulic Pressure	Slew Bearing & Pinion	Clamp Arm Cylinder	Pivot Pins
0.54m²	2160mm	Ø150mm	1120 kg	Displacement 195cc/rev, Maximum flow 40L/min.	Clamp Arm Circuit: 230 Bar (3500psi) Slew Motor: 90 Bar (1300psi)	Hardened Pinion 19T Module 4 Hardened Ring Gear: 40t Max Rating	Ø3½" Bore x ¾" Thick Cylinder Wall Ø2" High Tensile Spear	Knuckle: Ø2″ Hard Chromed, Ground Clamp: Ø2″ Hard Chromed, Ground



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