



## Product

## Custom-Designed Recoiler Gearbox

## Application

## Steel Pickling Line

## Highlights

- Custom-designed enclosed reducer
- “L” shape fabricated steel housing design
- Handles 52" wide, 60,000 lb. steel coils
- Through hardened gearing

A large steel recoiler OEM needed a custom gearbox for use on a new steel pickling line recoiler. The drive is direct coupled to a 125 HP electric motor which winds up a 52" wide, 60,000 lb. steel coil after it passes through the pickling treatment line.

The OEM contacted Nuttall Gear due to previous successful drive projects. Nuttall engineers designed a custom gearbox incorporating a customer-supplied low speed shaft that operates a mandrel which expands and contracts to grip and release the coil core.

The gearbox features a custom fabricated steel housing designed in an “L” shape to accommodate required over-sized bearings. The drive utilizes through hardened gearing with a reduction ratio of 15.5:1, a 1.2 service factor, 850/2500 RPM input and 55/160 RPM output.

US (Application Assistance)  
**1-716-298-4100**  
nuttallgear.com

Asia Pacific  
For a list of our AP sales offices:  
altramotion.com/contactus