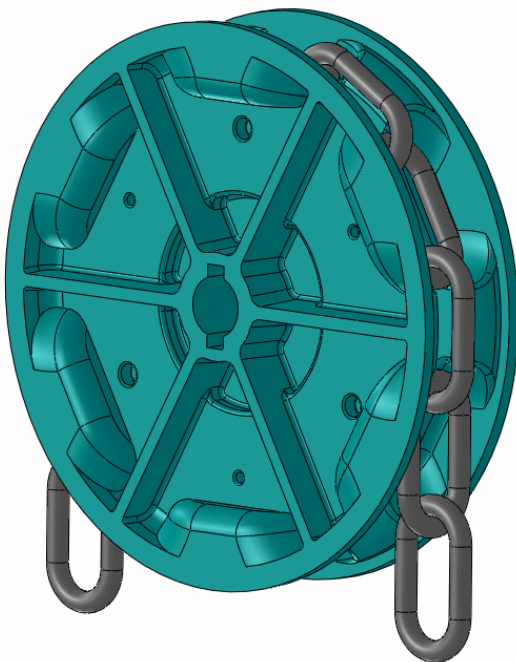


## CASE STUDY: The Hand Chain Sprocket wheel

Koves Plastic Industries replaced metal components with strong lightweight plastic alternatives and created a customised lightweight solution for a client with a weight problem.

Koves created a 2-piece plastic Hand Chain Sprocket wheel, designed to maximise strength and minimise material use. It offers a 90% weight reduction when compared to the previous sprocket wheel.

- The custom design **reduced the capital outlay** required for tooling,
- **Reduce the cost of market entry,**
- **90% weight reduction** , reduces inertia of the spinning wheel and the load that the inertia exerts on the gearbox and other associated components of the assembly.
  
- **Lightweight** plastic, yet **strong and durable.**
- Any waste created in the manufacture of the sprocket wheel is recovered and reused.
- The plastic sprocket wheel is energy efficient to produce, non-toxic, recoverable and recyclable.



## What can Koves develop for you?

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