

project:
Crescent Wrench

client:

Cooper Hand Tools

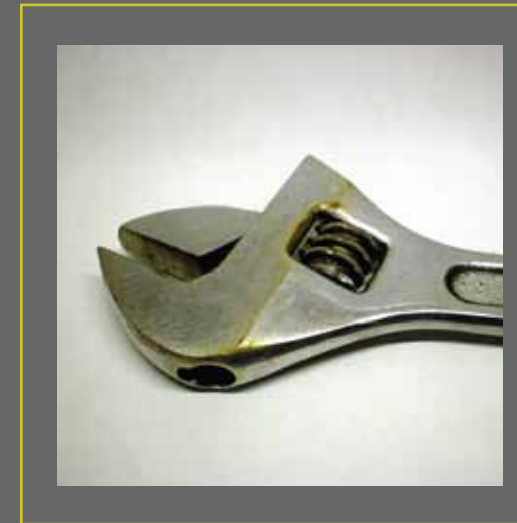


objective:

Create a new specialized wrench for The Home Depot buyers.

challenge:

To create a new wrench that would work on square bolts, hex bolts, J-bolts, hook eyes, wing nuts, AND thumb screws.



methodology:

The MoveScience team started out with several hex ID concept sketches and then worked out the details for those mechanisms using Pro/ENGINEER. After first-level prototypes were developed, modifications to the model were made for production. From there, detailed drawings were created for manufacturers.

solution:

The adjustable ratcheting socket wrench fits more than just nuts and bolts; it fits hundreds of fasteners. The RapidRench™ replaces 38 of the most popular socket sizes. It fits SAE and metric. It tightens and/or loosens with the flip of a switch. Rotate the dial to adjust the jaws to the exact size of the fastener.

timeline:

Two (2) weeks

**Crescent later bought the rights to this wrench from our customer and re-branded it as the RapidRench. This wrench has been one of the best sellers since the original Crescent wrench by the Cooper Hand Tools Organization.

