

# Rigid Couplings

Rigid couplings serve as components for connecting and transmitting torque between shafts at low speeds, especially where zero backlash is desired. They are the most basic, economical, & cost effective coupling option. Rigid couplings are designed for use with aligned shafts.

## Connect Shafts

Used to join two shafts of the same or differing size

## Transmit Torque

Transmit high torque between shafts



## Set Screw

- ✓ Cup point set screws impinge the shaft providing holding power
- ✓ Four set screw design is available for additional holding power
- ✓ Requires disassembly of shaft mounted components when coupling needs replaced
- ✓ Imperial & Metric sizes



## One-Piece

- ✓ Four socket head cap screws provide holding power
- ✓ Also available with recessed screws
- ✓ Provides additional holding power over set screw coupling
- ✓ Requires disassembly of shaft mounted components when coupling needs replaced
- ✓ Imperial & Metric sizes



## Two-Piece

- ✓ Eight socket head cap screws provide holding power
- ✓ Also available with recessed screws
- ✓ Additional holding power over both set screw & one-piece
- ✓ Requires no major disassembly of shaft mounted components
- ✓ Imperial & Metric sizes

## Materials & Finishes

Rigid Couplings are made from mild steel, type 303 stainless steel, or aluminum. Steel couplings are stocked with a black oxide finish. Couplings can include keyways or made with step-bores.



## Industry Applications

Conveyors/People Movers, Timber & Mining Systems, X-Ray Machines – Medical Indexing, Food Processing, Lawn Mowers, Car Wash Systems, Exercise Equipment, Automatic Doors, Packaging, etc. Rigid couplings can be found in virtually any application where two shafts are joined.