

# Rigid Couplings



## What is the purpose of a Rigid Coupling?

Rigid couplings serve as components for timing, joining, or aligning of shafts at lower speeds and torque, especially where zero backlash is desired. They are the most basic, economical, cost effective coupling option, and applicable for aligned shafts only.

## Materials & Finishes

Rigid couplings are made from steel, type 303 stainless steel, or aluminum. Steel couplings are available with a black oxide finish. Designs vary from couplings with or without keyways, to step-bore couplings.

## Find Rigid Couplings In:

Conveyors/People Movers, Small Wind Power, X-Ray Machines – Medical Indexing, Food Processing, Lawn Mowers, Washing Machines, Exercise Equipment, Automatic Doors, and other high volume applications.

### Set Screw

- ✓ Cup point set screws impinge the shaft providing holding power
- ✓ Design with 4 set screws is available for extra holding power
- ✓ Requires disassembly of shaft components upon replacement

### One-Piece

- ✓ 4 socket head cap screws provide holding power
- ✓ Additional holding power over set screw
- ✓ Requires disassembly of shaft components upon replacement

### Two-Piece

- ✓ 8 socket head cap screws provide holding power
- ✓ Additional holding power over one-piece
- ✓ Install/replace without major disassembly of other shaft components
- ✓ Re-machinable couplings available for economical custom bores

