Rigid Couplings
TB Wood's

TB Wood's is an industry leading designer and manufacturer of mechanical power transmission equipment for industrial control. Our mechanical product lines include: clutch and brake, synchronous and belted variable speed drives; grid, disc, jaw, gear coupling and elastomeric coupling products; sheaves and bushings. Registered trademarks include Sure-Flex Plus®, Dura-Flex®, G-Flex®, and Sure-Grip®.

TB Wood’s was founded in 1857 and began as a foundry producing wood burning stoves. Our company’s tradition of product innovation started early. TB Wood’s entered the power transmission industry at the turn of the century with the introduction of flat belted drives and line shafting.

VISIT US ON THE WEB AT TBWOODS.COM

Altra Industrial Motion

Altra is a leading global designer and manufacturer of quality power transmission and motion control products utilized on a wide variety of industrial drivetrain applications. Altra clutches and brakes, couplings, gearing and PT component product lines are marketed under the industries most well known manufacturing brands. Each brand is committed to the guiding principles of operational excellence, continuous improvement and customer satisfaction. Highly-engineered Altra solutions are sold in over 70 countries and utilized in a variety of major industrial markets, including food processing, material handling, packaging machinery, mining, energy, automotive, primary metals, turf and garden and many others.

Altra’s leading brands include Ameridrives, Bauer Gear Motor, Bibby Turboflex, Boston Gear, Delroyd Worm Gear, Formsprag Clutch, Guardian Couplings, Huco, Industrial Clutch, Inertia Dynamics, Kilian, Lamiflex Couplings, Marland Clutch, Matrix, Nuttall Gear, Stieber, Stromag, Svendborg Brakes, TB Wood’s, Twiflex, Warner Electric, Warner Linear and Wichita Clutch.

VISIT US ON THE WEB AT ALTRAMOTION.COM
Rigid Couplings
AVS Series Couplings

AVS Series (Adjustable Vertical Spacer)

- Coupling used for vertical turbine pumps
- No flexible element
- Integral “nut” used for infinite adjustment of pump turbine spacing
### Vertical Adjustable Rigid Coupling AVS Series

**Dimensions**

- Major components are AISI 1045 steel
- Grade 8, Zinc Plated Hardware
- Meets AGMA 8 balance
- Component balance is optional
- Zinc Phosphate coated hubs, spacer and adjuster nut

#### Table: Dimensions

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#### Table: RATED TORQUE, PEAK O/L THRUST CAPACITY, WEIGHT (LBS), WR² (LB-IN²), BOLT TIGHTEN TORQUE (FT-LB), BOLT PER FLANGE, BOLT LENGTH (IN), BOLT DIA. (IN)

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1. Weight and WR² are calculated for couplings with DBSE = D std. and hubs at maximum bore size.
2. Consult factory for torsional stiffness.
**Vertical Adjustable Rigid Coupling AVS Series**

**Dimensions**

![Diagram of coupling](image)

**DIMENSIONS (IN)**

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1. Key Pin not included.
2. Adjuster Nut can be left or right hand thread.
3. Altra Couplings recommends coupling selection based on bore sizes and verify that torque service factor is a minimum of 1.25.
4. Standard hub bore is for AGMA Clearance fit, but Interference fit is available upon request.
5. Standard keyways per AGMA Commercial fit (Imperial), and Normal fit (Metric).
**Vertical Rigid Close Coupling AVS Series**

**Dimensions**

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1. Key pin not included
2. Adjuster Nut can be left or right hand thread
3. Weight and WR² calculated with hubs at max bore
4. Standard hub bore is for AGMA Clearance fit, but Interference fit is available upon request.
5. Standard keyways per AGMA Commercial fit (Imperial), and Normal fit (Metric).
6. Altra Couplings recommends coupling selection based on bore sizes and verify that torque service factor is a minimum of 1.25.
The Power Of One, The Strength Of Many.

OTHER PRODUCT SOLUTIONS FROM
ALTRA INDUSTRIAL MOTION

Our comprehensive product offerings include various types of clutches and brakes, overrunning clutches, engineered bearing assemblies, gearing and gear motors along with linear products, belted drives, couplings and limit switches. With thousands of product solutions available, Altra provides true single source convenience while meeting specific customer requirements. Many major OEMs and end users prefer Altra products as their No. 1 choice for performance and reliability.

ELECTRIC CLUTCHES AND BRAKES
Inertia Dynamics
Matrix
Stromag
Warner Electric

HEAVY DUTY CLUTCHES AND BRAKES
Industrial Clutch
Stromag
Svendborg Brakes
Twiflex
Wichita Clutch

OVERRUNNING CLUTCHES
Formsprag Clutch
Marland Clutch
Stieber

ENGINEERED COUPLINGS AND UNIVERSAL JOINTS
Ameridrives
Bibby Turbiflex
Guardian Couplings
Huco
Lamiflex Couplings
Stromag
TB Wood’s

GEAR DRIVES
Bauer Gear Motor
Boston Gear
Delroyd Worm Gear
Nuttall Gear

GEAR MOTORS
Bauer Gear Motor

POWER TRANSMISSION COMPONENTS
LINEAR ACTUATORS AND CONTROLS
Warner Linear

ENGINEERED BEARING ASSEMBLIES
Kilian

AIR MOTORS
Huco

BELTED DRIVES AND SHEAVES
TB Wood’s

GEARED CAM LIMIT SWITCHES
Stromag

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The Brands of Altra Industrial Motion

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  www.ameridrives.com
- Bibby Turboflex
  www.bibbyturboflex.com
- Guardian Couplings
  www.guardiancouplings.com
- Huco
  www.huco.com
- Lamiflex Couplings
  www.lamiflexcouplings.com
- Stromag
  www.stromag.com
- TB Wood’s
  www.tbwoods.com
- Geared Cam Limit Switches
  Stromag
  www.stromag.com

Electric Clutches & Brakes
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  www.idch.com
- Matrix
  www.matrix-international.com
- Stromag
  www.stromag.com
- Warner Electric
  www.warnerelectric.com

Linear Products
- Warner Linear
  www.warnerlinear.com

Engineered Bearing Assemblies
- Kilian
  www.kilianbearings.com

Heavy Duty Clutches & Brakes
- Industrial Clutch
  www.indclutch.com
- Twiflex
  www.twiflex.com
- Stromag
  www.stromag.com
- Svendborg Brakes
  www.svendborg-brakes.com
- Wichita Clutch
  www.wichitACLutch.com

Belted Drives
- TB Wood’s
  www.tbwoods.com

Gearing
- Bauer Gear Motor
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- Boston Gear
  www.bostongear.com
- Delroyd Worm Gear
  www.delroyd.com
- Nuttall Gear
  www.nuttallgear.com

Overrunning Clutches
- Formsprag Clutch
  www.formsprag.com
- Marland Clutch
  www.marland.com
- Stieber
  www.stieberclutch.com

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