The most adjustable vertical coupling is also the easiest to install. Vertical Clamp Couplings are a major improvement over other standard vertical couplings. Using the patented Anderson Clamp Hub design, it eliminates all keys and “clamshells” while allowing the user to easily change the position on the shaft, as well as the amount of pump rotor lift. Best of all, the alignment can be adjusted after installation to improve seal and bearing life.

**Key Benefits**

- Capable of handling an enormous amount of thrust
- Perfect for pumps with significant weight
- Inherent concentricity of the device
- No more clamshells or sloppy hub fits
- No need to adjust the clamshells to fix the balance
- Increase seal and bearing life by easily adjusting pump shaft runout
**The Patented Vertical Clamp Coupling**

U.S. Patent No. 8,782,866

**Materials -** Hub body and collar - 4000 series or equivalent alloy steel including stainless or other exotics.

### The Design

With the keyless connection, there is no need for a vertical key to carry torque or for a split horizontal key to hold the weight of the pump rotor.

1. One-half of the Clamp Coupling slides onto the driving shaft and clamps into place; the other half clamps onto the vertical pump shaft. The sleeve is added and bolted to one side.
2. The two halves are positioned in such a way that the gap between the two is equal to the amount of lift needed on the pump rotor.
3. Once each half is tight, the connecting bolts are installed; as they are tightened, the bottom half of the Clamp Coupling, along with the pump rotor, is lifted the correct amount.
4. Alignment can be adjusted by further tightening the load screws on the desired side while measuring pump shaft runout.

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**Coupling Corporation of America**

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