Submersible Pumps
Tough Enough To Handle Grit
**Model S**
- Bottom suction, vertical discharge • Recessed impeller
- Cast Iron construction • 25 to 700 GPM • Heads to 80 ft. • Up to 40 HP

**Model ES**
- Bottom suction, horizontal discharge • Recessed impeller
- Cast Iron or Hi-Chrome construction • Heads to 200 ft. • Up to 75 HP
- Available with feet, cast iron discharge elbow or fast-out assembly

**Model CES**
- Bottom suction, horizontal discharge • Cupped, recessed impeller
- Ni-Hard or Hi-Chrome construction • 50 to 1400 gpm
- Heads to 100 ft. TDH • Up to 750 HP
- Available with feet, cast iron discharge elbow or fast-out assembly
- Options: Hi-Chrome discharge elbow, heavy-duty slurry discharge hose
- Bracket for horizontal mounting
**WEMCO® CES Submersible Pump Are Designed to Handle Grit!**

- 650 Brinell abrasion-resistant Ni-Hard construction
- Extended wear areas
- Tandem mechanical seal
- Optional severe-duty rubber discharge hose

The perfect choice for new installations or for replacing screw, chain or bucket type grit collection systems, or any other application where abrasion is a problem. The CES recessed impeller vortex pump features easy installation, low maintenance and a long service life. The rimmed impeller performance actually improves with age.

Silica sand is the most common grit particle any pump must handle. It is also one of the hardest (570 Bhn), most abrasive minerals on earth. To resist this, the pump wear-parts must be of greater hardness than these silicas. With this in mind, the WEMCO Model CES wet-end parts, which are beefed-up to 1” thick at the wear areas, are Ni-Hard or Hi-Chrome iron – the industry’s most abrasion-resistant alloys, with hardness of 650 Brinell.
Installation Options

All WEMCO submersible pumps are available with a Fast-Out discharge assembly to facilitate easy removal and re-installation for maintenance or inspection. Most models are available with a cast discharge elbow/pump stand for installations where removal is not an issue. The pump is bolted directly to the discharge piping. As an option, WEMCO has available cast discharge fittings in non-spark and Hi-Chrome abrasion resistant construction.

For temporary installations, or for installations requiring great flexibility, or for retrofit installations where the existing discharge piping is inconvenient or inaccessible, WEMCO offers a rugged, heavy-duty flexible discharge hose, available for all models of WEMCO submersible pumps. In addition to the discharge hose, the pump would be supplied complete with a rigid pump base, and a pump discharge elbow.

As an option, for very specialized installations, WEMCO can provide a horizontal mounting bracket to facilitate the mounting of a submersible pump into very shallow wet wells. The bracket can be bolted to the pit floor for permanent installations, or the entire assembly can be placed on the wet well floor without permanently attaching the unit, allowing great portability of the unit.