

NON-WELDED TURBOLIZER CENTRALIZER

UNIT 375

The *TechWest Type S880 and S870 Non-Welded Turbolizer Centralizers* incorporate turbolating fins and integral set screws in the lower collar to provide a secured centralizer capable of turbolating the flow of fluid in the area directly above the turbolating fins.

The turbolizer collar end with the set screws should be the lower collar when the centralizer is installed on the casing.



LINER CENTRALIZER

UNIT 376

The *TechWest Type S310 Liner Centralizer* uses a solid end band that is installed by sliding the centralizer onto the casing. It provides minimal annular obstruction in close tolerance holes. Used primarily in liner completions, Type S310 liner centralizer can be supplied with integral set screws in the lower collar or installed over Model S415 liner stop collars. Liner Turbolizers (Model S311) are also available where additional turbulence is desired during circulation and cementing.

