

## Identifying Metallic Components

Because it is difficult to distinguish between the materials used, identification marks have been added to several machined metallic components of Hydra-Cell Pumps and Valves (not on stamped or ceramic components).

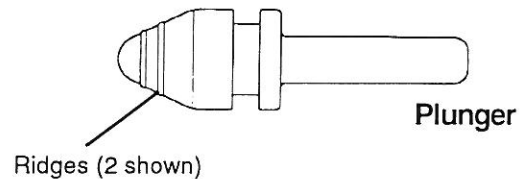
**NOTE:** Some Hastelloy C components were formerly stamped with an "H" for easy identification. This is no longer being done.

**NOTE:** You will also notice that we are using a new heat-treating process that does not discolor the components.

### Plunger (C-22, C-23, and C-24 Valves)

Identified by the presence or absence of ridges around the tapered end:

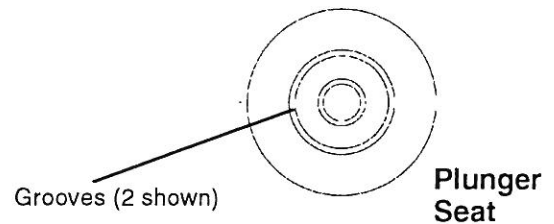
- 17-4 SST: 2 ridges
- 316 SST: 1 ridge
- Hastelloy C: No ridges



### Plunger Seat (C-22, C-23, and C-24 Valves)

Identified by the presence or absence of circular V-shaped grooves on one face:

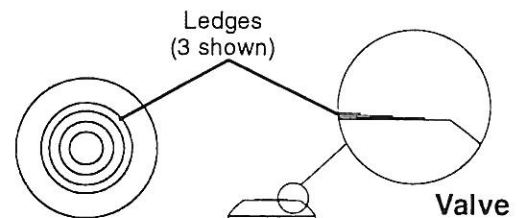
- 17-4 SST: 2 grooves
- 316 SST: 1 groove
- Hastelloy C: No grooves



### Valve (Pumps)

Identified by the presence or absence of circular .003-in. ledges on one face:

- Nitronic 50: 3 ledges
- 17-4 SST: 2 ledges
- 316 SST: 1 ledge
- Hastelloy C: No ledges



### Valve Seat (Pumps)

Identified by the presence or absence of circular V-shaped grooves on one face:

- Nitronic 50: 3 grooves
- 17-4 SST: 2 grooves
- 316 SST: 1 groove
- Hastelloy C: No grooves

