

## Copper-Nickel Flanges

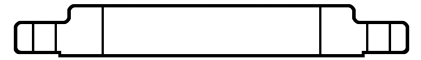
### Solid Copper-Nickel Flanges, Classes 150, 250, & 300



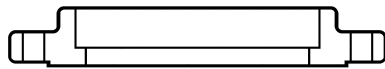
NAVSEA  
DWG 810-1385992



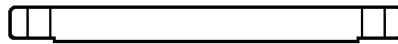
Weld Neck  
ANSI B16.5



Slip-On  
ANSI B16.5



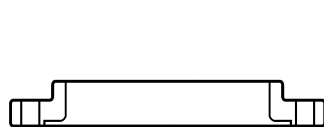
Socket Welding  
ANSI B16.5



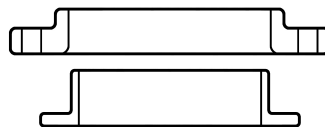
Blind  
ANSI B16.5

- 90-10 and 70-30 copper nickel flanges are available in sizes  $\frac{1}{2}$ " nominal and larger.
- Flanges can be supplied as slip-on, threaded, socket welding, weld neck, or blind.
- Silver-brazing flange ends comply dimensionally with MIL-F-1183 and can be finished as a face fed socket without a groove, or a grooved socket for use with a pre-inserted silver-brazing ring. Rings are ordered and supplied separately.
- Flanges may be ordered manufactured from material conforming to the requirements of MIL-C-15726F, ASTM B 151 or B 171.
- Alloys 90-10 (UNS C70600) and 70-30 (UNS C71500).

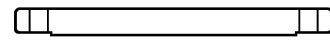
### Special Copper-Nickel Flanges, Classes 150, 250 and 300



Overlay  
ANSI B16.5



Composite  
ANSI B16.5



Clad  
ANSI B16.5

- These special flanges offer an economical alternative to the solid copper-nickel flanges listed above and are normally available in sizes 2" nominal and larger.
- Overlay slip-on flanges utilize a forged steel slip-on flange which is weld overlaid with copper-nickel material on the gasket and wetted surfaces. Normally supplied flat face.
- Composite flange sets are generally used instead of weld neck flanges when butt welding to a pipe or fitting is necessary but a loose backing flange is desired for ease of installation. Backing flanges are usually steel.
- Clad blind flanges utilize a forged steel blind flange which is clad with copper-nickel material on the wetted surfaces.
- Alaskan also stocks a complete line of MSS and ANSI style stainless steel flanges and can manufacture flanges to special dimensions, specifications and alloys.