

# WELD FITTINGS OVERVIEW



## OVERVIEW

HIS Innovations Group provides a full line of weldable tube components. Standard and custom sizes, lengths and finishes are available. Tubing sizes are specified by the outside diameter (O.D.) in inches.

## SPECIFICATIONS

HIS weld fittings conform to ASTM A269 and ASME standards, with qualified ASME welders and procedures to provide the best weld.

## PRESSURE RANGE

- $\geq 1 \times 10^{-13}$

## TEMPERATURE RANGE

- -200° C to 450° C (-328° F to 842° F)

## MATERIAL

- 304 stainless steel
- 316/316L stainless steel

## FINISH

- Mill finish is standard for weld fittings
- #7 polish O.D./I.D. is available upon request

## WALL THICKNESS

Thickness may vary by the allowable limits of the ASTM/ASME standards. All measurements in inches unless otherwise noted.

## TUBING

HIS tubing conforms to ASTM A269, A262 Practice "E" requirements unless otherwise specified.

## WELDING

All welding is done with cryogenic source inert gas welding methods. HIS uses ASME qualified welders and ASME procedures designed to provide the best possible welds. Automatic or semi-automatic positioning fixtures are used on tubing and fittings. Interior surfaces are smooth, even, and uniform.

## SIZING

| Part Number | Tube O.D. (in.) |
|-------------|-----------------|
| 08          | 0.50            |
| 12          | 0.75            |
| 16          | 1.00            |
| 18          | 1.50            |
| 20          | 2.00            |
| 25          | 2.50            |
| 30          | 3.00            |
| 40          | 4.00            |
| 60          | 6.00            |
| 80          | 8.00            |
| 100         | 10.00           |
| 120         | 12.00           |