



# ***J&J Alloys***



# J&J Alloys

# MACHIN

| PRODUCT                         | SIZE RANGE (NPS) |
|---------------------------------|------------------|
| SW/THRD Coupling                | 1/8" - 8"        |
| SW/THRD Half Couplings          | 1/8" - 8"        |
| THRD Plugs (Hex/Round/Square)   | 1/8" - 6"        |
| THRD Hex Bushings               | 1/8" - 6"        |
| SW/THRD Inserts                 | 1/8" - 4"        |
| BW/SW/THRD Unions               | 1/8" - 4"        |
| Olets (TOL, SOL, WOL, EOL, LOL) | 1/8" - 12"       |
| Conc/Ecc Swages                 | 1/2" - 8"        |
| SW/THRD 45s                     | 1/2" - 4"        |
| SW/THRD 45s (Block Pattern)     | 1/2" - 4"        |
| SW/THRD 90s                     | 1/2" - 4"        |
| SW/THRD 90s (Block Pattern)     | 1/2" - 4"        |
| SW/THRD Tees                    | 1/2" - 4"        |
| SW/THRD Cross (Block Pattern)   | 1/2" - 4"        |
| SW/THRD Caps                    | 1/8" - 6"        |
| BW Caps (Dome Shaped)           | 1/2" - 8"        |

| PRODUCT                         | SIZE RANGE (NPS) |
|---------------------------------|------------------|
| MSS (Short) Stub Ends           | 1/2" - 8"        |
| ASA (Long) Stub Ends            | 1/2" - 8"        |
| BW Concentric Reducers          | 3/4" - 8"        |
| BW Eccentric Reducers           | 3/4" - 8"        |
| BW Tees                         | 1/2" - 6"        |
| BW LR/SR 90s (Block Pattern)    | 1/2" - 4"        |
| BW Cross (Block Pattern)        | 1/2" - 4"        |
| Pipe Nipples                    | 1/4" - 8"        |
| Studding Outlets (Flat Bottom)  | 1/2" - 6"        |
| ASME B16.5 (dims) Flanges       | 1/2" - 12"       |
| ASME B16.5 Flanges (Forged)     | 1/2" - 18"       |
| ASME B16.5 Flange Modifications | 1/2" - 14"       |
| Taper Bore BW 45s               | 1/2" - 4"        |
| Taper Bore BW 90s               | 1/2" - 4"        |
| Taper Bore BW Tees              | 1/2" - 6"        |
| Pipe Beveling                   | 1/2" - 14"       |

The above list is just some of the items that J&J Alloys can produce. Please contact your J&J Alloys sales associate for additional details.

**NOTE:** Custom Made Parts per Customer's Proof/Drawing can be produced, but capabilities will be determined by requested/required dimensions and tolerances.

### J&J ALLOYS MACHINE LIST

4 CNC Mills • 2 Manual Mills • 5 Band Saws • 9 CNC Lathes • 2 Manual Engine Lathes • 7 Manual Turret Lathes • 1 Vertical Lathe • 1 Landis Threader • 1 Drill Press • 2 Pipe Bevelers • 2 Hydraulic Presses • 3 Computerized Pin Stamping Machine • 2 Laser Alloy Analyzers/PMI • 1 Heat Treatment Furnace



# ING CAPABILITIES

## QUALITY ASSURANCE

J&J ALLOYS MANUFACTURES FITTINGS & FLANGES TO THE FOLLOWING INDUSTRY STANDARDS:

|                          |   |
|--------------------------|---|
| <b>ASME B16.9</b>        | Buttweld Fittings                               |
| <b>ASME B16.11</b>       | SW & THD Pressure Fittings                      |
| <b>MSS-SP-43</b>         | Stub Ends                                       |
| <b>MSS-SP-79</b>         | Inserts   |
| <b>MSS-SP-83</b>         | SW & THD Unions                                 |
| <b>MSS-SP-95</b>         | Concentric & Eccentric Swage Nipples/Bull Plugs |
| <b>MSS-SP-97</b>         | Olets   |
| <b>ASME B16.5</b>        | Flanges   |
| <b>ASME B16.36</b>       | Orifice Flanges                                 |
| <b>ASME B31.3</b>        | Bleed Rings                                     |
| Customer Supplied Prints |   |



### ISO CERTIFIED

ISO 9001:2015 (through BSI)  
ISO Certified Since 1994

### CANADIAN REGISTRATION NUMBERS (CRNs)

CRNs for All Applicable Territories  
0A10658.5 REV.1 • 0B10658.5 REV.1

### DFARS COMPLIANT

100% of Base Starting Material is  
DFARS Compliant

SINCE



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## THE J&J ALLOYS STANDARD

Our ISO 9001 quality ensures our products are manufactured and inspected to industry standards every time.

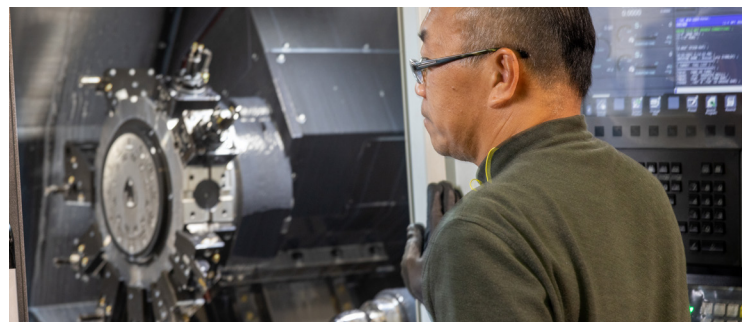
From our state-of-the-art CNC machining equipment to our final inspection process, our parts are manufactured and delivered to you right the first time.



# ALLOY SPECIFICATIONS

| STAINLESS         |               |               |                     |               |                   |
|-------------------|---------------|---------------|---------------------|---------------|-------------------|
| GENERIC NAME      | UNS #         | WELD FITTINGS | FITTING DESIGNATION | FLANGES       | PRESSURE FITTINGS |
| 304/304L          | S30400/S30403 | A403          | WP304/304L          | A182          | A182              |
| 304/304H          | S30400/S30409 | A403          | WP304/304H          | A182          | A182              |
| 316/316L          | S31600/S31603 | A403          | WP316/WP316L        | A182          | A182              |
| 316/316H          | S31600/S31609 | A403          | WP316/316H          | A182          | A182              |
| 317/317L          | S31700/S31703 | A403          | WP317/317L          | A182          | A182              |
| 310S/310H         | S31008/S31009 | A403          | WP310S/310H         | A182          | A182              |
| 321/321H          | S32100/S32109 | A403          | WP321/321H          | A182          | A182              |
| 347/347H          | S34700/S34709 | A403          | WP347/347H          | A182          | A182              |
| 410               | S41000        | A403          | WP410               | A182          | A182              |
| 904L              | N08904        | A403          | WP904L              | A182          | A182              |
| Duplex 2205       | S31803/S32205 | A815          | WPS31803/S32205     | A182, F51/F60 | A182, F51/F60     |
| Super Duplex 2507 | S32750        | A815          | WPS32750            | A182, F53     | A182, F53         |
| 254 SMO®          | S31254        | A403          | WP254SMO            | A182, F44     | A182, F44         |

| NICKEL ALLOYS   |                  |               |                           |                  |                   |
|-----------------|------------------|---------------|---------------------------|------------------|-------------------|
| GENERIC NAME    | UNS #            | WELD FITTINGS | FITTING DESIGNATION       | FLANGES          | PRESSURE FITTINGS |
| Alloy 20        | N08020           | B366          | WP20, WP20CB              | A182, B462       | A182, B462, B473  |
| Alloy 200/201   | N02200/2201      | B366          | WPN/WPNL                  | B564, B160       | B564, B160        |
| Alloy 400       | N04400           | B366          | WPNC                      | B564, B164       | B564, B164        |
| Alloy 600       | N06600           | B366          | WPNCI                     | B564, B166       | B564, B166        |
| Alloy 625       | N06625           | B366          | WPNCMC                    | B564, B446       | B564, B446        |
| Alloy 800/H/HT® | N08800/8810/8811 | B366          | WPNIC/WPNIC10/<br>WPNIC11 | B564, B408       | B564, B408        |
| Alloy 825       | N08825           | B366          | WPNICMC                   | B564, B425       | B564, B425        |
| Alloy C276      | N10276           | B366          | WPHC276                   | B564, B574, B462 | B564, B574, B462  |



# MAJOR AML APPROVALS LIST

| PRODUCT TYPE               | NICKEL ALLOYS   | DUPLEX   | 300 SERIES STAINLESS   | CARBON  | CHROME  |
|----------------------------|---|--|--|---|---|
| <b>FLANGES</b>             | Exxon (150# & 300#, from Approved Forging Source), Valero, Epic Piping, Bayer, Flint Hills, Shintech, KBR, Invista, Turner Industries, Zeeco, North West Redwater             | Valero, Epic Piping, Shintech, Honeywell, Turner Industries, Zeeco                               | Valero, Epic Piping, Shintech, Honeywell, Turner Industries, Zeeco                               | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>B16.9 FITTINGS</b>      | Exxon (Stub Ends Only), Valero, Epic Piping, Bayer, Flint Hills, Marathon, Invista, Shintech, Turner Industries, Honeywell, Total (Reducers Only), Zeeco, North West Redwater | Valero, Epic Piping, Bayer, Shintech, Turner Industries, Total (Reducers Only), Honeywell, Zeeco | Valero, Epic Piping, Bayer, Shintech, Turner Industries, Total (Reducers Only), Honeywell, Zeeco | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>B16.11 FITTINGS</b>     | Exxon, Valero, Epic Piping, Shintech, Turner Industries, Arkema, KBR, Honeywell, North West Redwater  | Valero, Epic Piping, Exxon, Shintech, Arkema, Turner Industries, Honeywell, North West Redwater  | Valero, Epic Piping, Exxon, Shintech, Arkema, Turner Industries, Honeywell, North West Redwater  | Exxon, Valero, Epic Piping, Arkema, North West Redwater | Exxon, Valero, Epic Piping, Arkema, North West Redwater |
| <b>OLETS</b>               | Valero, Epic Piping, Shintech, Turner Industries, Honeywell, Zeeco  | Valero, Epic Piping, Shintech, Turner Industries, Honeywell, Zeeco                               | Valero, Epic Piping, Shintech, Turner Industries, Honeywell, Zeeco                               | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>PIPE NIPPLES</b>        | Valero, Epic Piping   | Valero, Epic Piping  | Valero, Epic Piping  | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>SWAGES</b>              | Valero, Epic Piping   | Valero, Epic Piping  | Valero, Epic Piping  | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>UNIONS</b>              | Valero, Epic Piping, Shintech, Honeywell  | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>INSERTS</b>             | Valero, Epic Piping, Shintech, Honeywell  | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping                                     | Valero, Epic Piping                                     |
| <b>MISC./ NON-STANDARD</b> | Valero, Epic Piping, Shintech, Honeywell  | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping, Shintech, Turner Industries, Honeywell                                      | Valero, Epic Piping                                     | Valero, Epic Piping                                     |





As part of the Texas Pipe Family of Companies, J&J Alloys is an industry leading ISO 9001:2015 certified manufacturer of stainless steel, nickel alloys, and specialty stainless steel fittings and flanges.

J&J Alloys manufactures a comprehensive portfolio of fittings and flanges unrivaled in the industry, utilizing an extensive raw material inventory in duplex, specialty grades of stainless steel, and corrosion resistant alloys.

Our customers service a broad array of industries that include the petrochemical, pharmaceutical, refining, and oil & gas markets. The components J&J Alloys produces in our Pearland, TX facility can be found in applications where corrosion, extreme temperatures, and/or high pressure scenarios are present.

With more than 70 years as an industry leader, J&J Alloys' experienced and knowledgeable staff puts our customers' needs first, and adds value to any project where quality, speed, and dependability are needed.



SINCE

# ABOUT J&J ALLOYS

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**J&J Alloys**

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