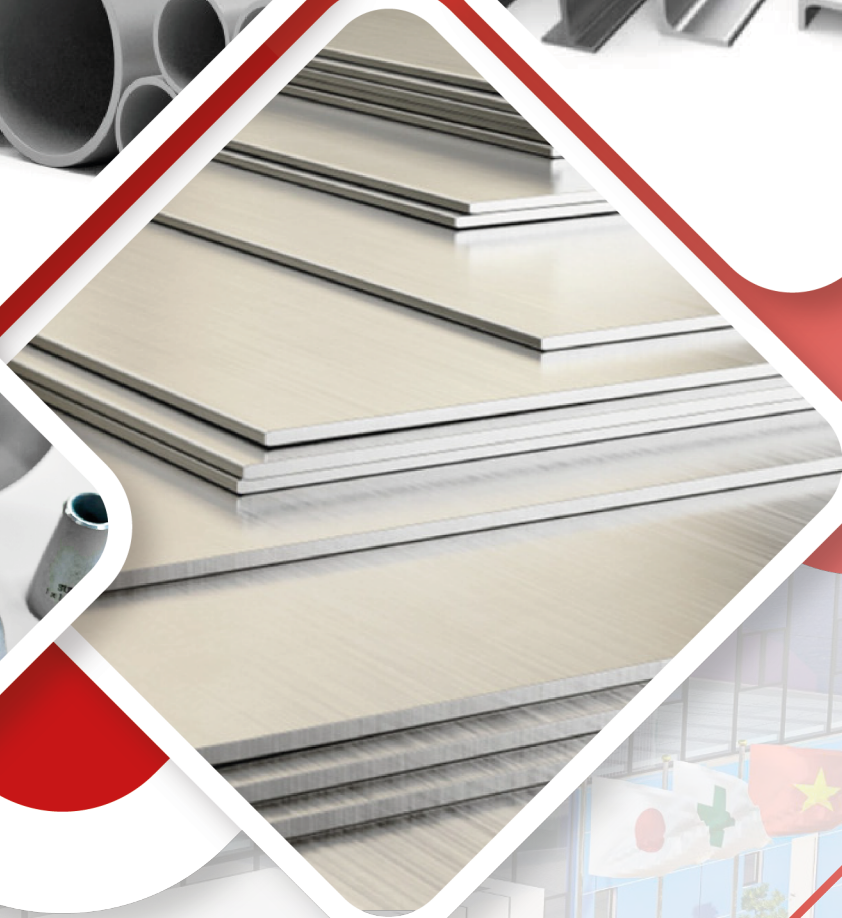
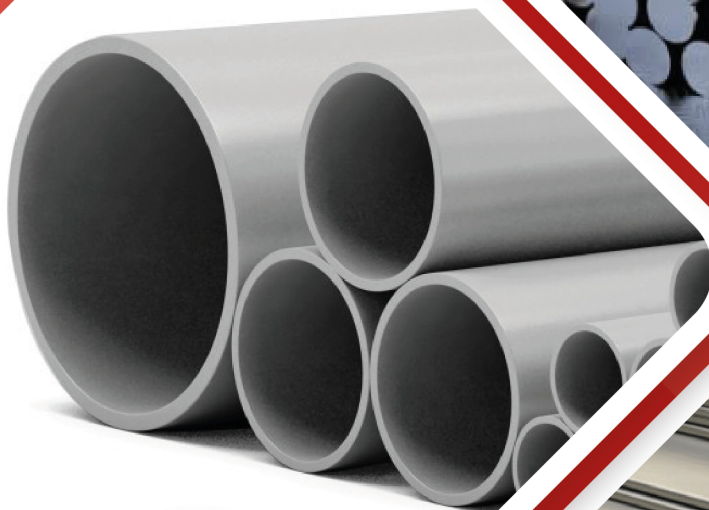
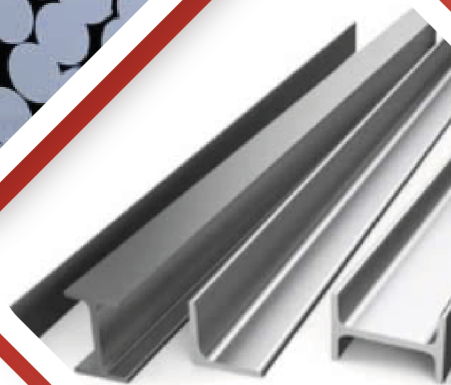




*V-Stainless Steel*

# PRODUCT CATALOGUE







## GIỚI THIỆU INTRODUCING

### **Nghành nghề kinh doanh:**

Chúng tôi gia công & phân phối các mặt hàng thép đặc biệt, thép không gỉ dạng tấm, trụ, ống, dạng chữ U, V,... dùng để chế tạo linh kiện trong các thiết bị máy móc xây dựng, công nghiệp, y tế...

### **Business lines:**

We process & distribute special steel products, stainless steel in the form of plates, round bar, tubes, U-shaped, V-shaped,... used to manufacture components in construction, industrial, medical machinery and equipment...

**Tổng diện tích xây dựng: 10,000m<sup>2</sup>**

**Diện tích xây dựng: 5,000m<sup>2</sup>**

**Total construction area: 10,000m<sup>2</sup>**

**Construction area: 5,000m<sup>2</sup>**

### **Trang thiết bị:**

Máy cưa Band saw  
Máy cắt Shearings  
Máy cắt Plasma  
Máy dán phim  
Máy phân tích hợp kim

### **Equipment:**

Band saw  
Shearings cutting machine  
Plasma cutting machine  
Film pasting machine  
Positive Material Identification (PMI)

“

Từ khâu quản lý kho, gia công, thời hạn giao hàng cho đến khâu vận chuyển  
Tiêu chí cung cấp sản phẩm chất lượng & đảm bảo thời gian giao hàng luôn được đặt lên hàng đầu.  
From warehouse management, processing, delivery time to transportation  
The criteria for providing quality products & ensuring delivery time are always put first.

”

01

### **ĐÁP ỨNG LINH HOẠT Flexible response**

Trang thiết bị nhiều chức năng  
Multi-functional equipment



02

### **CHẤT LƯỢNG Quality**

Chất lượng Nhật Bản  
JAPAN quality



03

### **ĐỘ CHÍNH XÁC Accuracy**

Phương thức quản lý  
công đoạn mang tính  
triệt để  
Thorough process  
management method



Luôn mang lòng biết ơn, làm việc với tinh thần trách nhiệm cao, phấn đấu để trở thành một doanh nghiệp được công nhận có sự cống hiến cho cộng đồng & xã hội. Mang lại cuộc sống ấm no cho công nhân viên, lợi ích thiết thực cho Khách Hàng.

Always be grateful, work with a high sense of responsibility, strive to become a recognized enterprise with contributions to the community & society. Bring a prosperous life to employees, practical benefits to Customers.

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QUY TRÌNH CÔNG VIỆC  
WORKFLOW

Nhà sản xuất  
*Producing*

01

THU MUA

- Có khả năng cạnh tranh cao khi thu mua nguyên - vật liệu đầu vào bằng nhiều cách khác nhau tùy tình hình
- Trực tiếp từ nhà sản xuất
  - Thông qua công ty thương mại
  - Trao đổi với những nhà phân phối khác

Nhập kho  
*Import Warehouse*

02

QUẢN LÝ TỒN KHO

- Kiểm tra nguyên vật liệu mua vào nghiêm ngặt từ các nhà cung cấp.
- Quản lý hàng hóa dựa vào mã vạch bằng cách gắn thẻ nhận dạng cho tất cả hàng hóa.
- Quản lý & chia sẻ thông tin, dữ liệu hàng tồn kho bằng hệ thống

Tồn kho  
*Inventory*

Cắt vật liệu  
*Material Cutting*

03

NHẬN ĐƠN HÀNG, PHÁT HÀNH CHỈ THỊ SẢN XUẤT

- Nội dung đơn hàng được nhập và lưu dữ liệu vào hệ thống Sau khi phân bổ nguyên vật liệu theo từng đơn hàng, tiến hành phát hành chỉ thị sản xuất
- Gia công và đóng gói theo yêu cầu và nguyện vọng của từng khách hàng

Đóng gói  
*Package*

Xuất kho  
*Exporting*

04

XỬ LÝ XUẤT KHO

- Tiến hành kiểm tra sự sai khác hoặc nhầm lẫn về nguyên vật liệu khi xuất kho
- Ngăn chặn triệt để việc xuất nhầm hàng hóa đến khách hàng.

Phân phối  
*Distribution*

05

GIAO HÀNG

- Trang bị 2 xe tải giao hàng để đảm bảo giao hàng nhanh chóng đến khách hàng.
- Giấy chứng nhận xuất xứ hàng hóa (Mill Test) sẽ được gửi kèm hàng hóa hoặc đường bưu điện sau khi giao hàng

Khách Hàng  
*Customer*

06

CHĂM SÓC KHÁCH HÀNG

- Quản lý tất cả dữ liệu các đơn hàng đã giao dịch
- Khả năng đối ứng & phản hồi nhanh chóng



## PURCHASING

Highly competitive in purchasing raw materials in various ways depending on the situation

- Directly from the manufacturer
- Through a trading company
- Communicate with other distributors



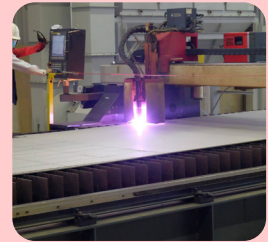
## INVENTORY MANAGEMENT

- Strictly check the purchased raw materials from suppliers.
- Manage goods based on barcodes by attaching identification tags to all goods.
- Manage & share information, inventory data using the system



## RECEIVE ORDER, ISSUE PRODUCTION INSTRUCTION

- Order content is entered and data is saved into the system  
After allocating raw materials to each order, proceed to issue production instructions
- Processing and packaging according to the requirements and wishes of each customer



## HANDLING OF WAREHOUSES

- Conduct checks for discrepancies or errors in raw materials when leaving the warehouse
- Completely prevent the wrong goods from being sent to customers.



## DELIVERY

- Equipped with 2 delivery trucks to ensure fast delivery to customers.
- Certificate of Origin (Mill Test) will be sent with the goods or by post after delivery



## CUSTOMER CARE

- Manage all data of transacted orders
- Quick response & feedback





## GIỚI THIỆU

Khi chọn lựa nguyên vật liệu tồn kho, ngoài đặc tính ưu việt chống ăn mòn, chất lượng cũng là tiêu chí đặc biệt được chú trọng. Công ty có khả năng đáp ứng những đơn hàng số lượng từ thấp đến cao. Với phương thức kinh doanh triệt để từ việc lựa chọn nguyên vật liệu đến khâu vận chuyển đảm bảo đáp ứng nhu cầu của Quý Khách Hàng.

Ngoài những tiêu chuẩn như JIS, ASTM | ASME..., công ty còn có thể cung cấp và phân phối đa dạng các loại thép đặc biệt với nhiều tiêu chuẩn khác.

## INTRODUCING

When selecting raw materials for inventory, in addition to superior anti-corrosion properties, quality is also a particularly important criterion. The company is capable of meeting orders from low to high quantities. With a thorough business method from selecting raw materials to the transportation stage, it ensures to meet the needs of customers.

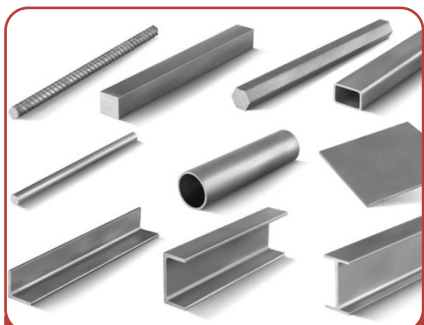
In addition to standards such as JIS, ASTM | ASME ..., the company can also supply and distribute a variety of special steels with many other standards.

Luôn luôn đặt lợi ích và mong muốn xây dựng những giá trị tốt đẹp cho xã hội. Không chỉ đóng góp cho nền kinh tế Việt Nam, Nhật Bản, tinh thần luôn nỗ lực phấn đấu với sứ mệnh trở thành doanh nghiệp đóng góp cho sự phát triển chung của toàn khu vực Châu Á.,

Always put the interests and desire to build good values for society. Not only contribute to the economy of Vietnam and Japan, the spirit always strives with the mission of becoming an enterprise contributing to the common development of the entire Asia region.,



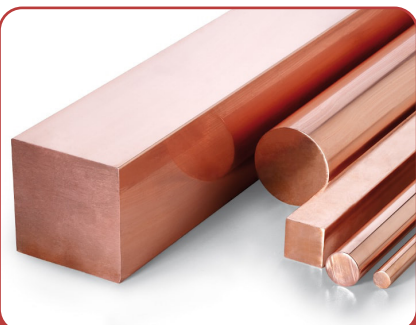
## SẢN PHẨM CÓ THỂ CUNG CẤP PRODUCTS AVAILABLE



**THÉP THƯỜNG**  
*Stainless Steel*



**THÉP ĐẶC BIỆT**  
*Special Steel*



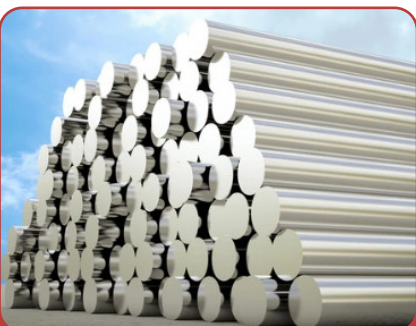
**ĐỒNG**  
*Cooper*



**NHÔM**  
*Aluminium*



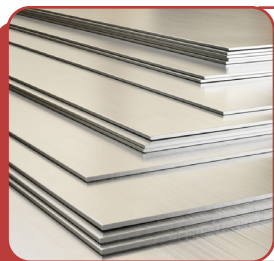
**TITAN**  
*Titan*



**HỢP KIM CAO CẤP**  
*High-Grade Alloy*



# NGUYÊN VẬT LIỆU CÓ SẴN AVAILABLE MATERIALS



## THÉP TẤM | PLATE

JIS G4304 - JIS G4305 | ASTM A/SA240

|     |          |          |      |                 |
|-----|----------|----------|------|-----------------|
| 303 | 304/304L | 316/316L | 310S | UNSS31803/32205 |
|-----|----------|----------|------|-----------------|

01

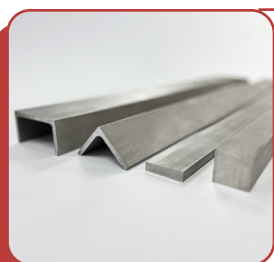


## TRỤ TRÒN | Round Bar

PL Trụ Tròn | PL Round Bar JIS G4303 - JIS G4318 | ASTM A582

|     |          |          |      |        |     |
|-----|----------|----------|------|--------|-----|
| 303 | 304/304L | 316/316L | 310S | 420-J2 | 430 |
|-----|----------|----------|------|--------|-----|

02



## THÉP HÌNH | Shape Steel

Chữ V hoặc L | U V Shaped or L | U Shaped — JIS G4303  
HOT — Thép thanh cán nóng | Hot Bar — JIS G4317  
COLD — Thép thanh cán nguội | Cold bar — JIS G4318  
tương đương

|     |
|-----|
| 304 |
| 304 |
| 304 |

03



## Thép Không Gỉ (dạng ống đúc & ống gia nhiệt)

ỐNG ĐÚC & ỐNG GIA NHIỆT | SEAMLESS TUBE & HEATING TUBE

|     |      |     |      |      |           |
|-----|------|-----|------|------|-----------|
| 304 | 304L | 316 | 316L | 310S | JIS G3459 |
|-----|------|-----|------|------|-----------|

ỐNG BA | BA TUBE JIS G3459 ASTM A269/A213 ASTM 312/ASME SA312

|     |      |     |      |       |       |        |
|-----|------|-----|------|-------|-------|--------|
| 304 | 304L | 316 | 316L | TP304 | TP316 | TP316L |
|-----|------|-----|------|-------|-------|--------|

04



## Thép Không Gỉ | Stainless Steel

(dạng ống hàn | welded pipe)

JIS G3459 | JIS G3468 | ASTM/ASME A/SA312

|     |      |     |      |      |
|-----|------|-----|------|------|
| 304 | 304L | 316 | 316L | 310S |
|-----|------|-----|------|------|

05



## Phụ Kiện Khớp Nối | Fitting (tiêu chuẩn JIS)

Fitting | Thread Fitting | On Fitting

|           |                    |
|-----------|--------------------|
| FLANGE    | JIS B2313 SUS304-W |
| ELBOW     | JIS B2313 SUS304-W |
| TEES      | JIS B2313 SUS304-W |
| REDUCER   | JIS B2313 SUS304-W |
| LAP JOINT | SUS304             |

06

Bên cạnh ống thép Niken có độ chống ăn mòn cao (C-22, C76), chúng tôi hoàn toàn có thể cung cấp các loại thép khác theo tiêu chuẩn JIS.

Besides Nickel steel pipes with high corrosion resistance (C-22, C76), we can also supply other steels according to JIS standards.





 *V-Stainless Steel*  
**PIPE**



\*OD: Outside Diameter T: Thickness

| Material Grade                      | OD*<br>(mm) | T*<br>(mm) | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|-------------------------------------|-------------|------------|-----|-----|------|------|----------|----------|
| JIS G3459<br>BA Seamless Pipe       | 6.35        | 1          | ○   | -   | ○    | -    | -        | -        |
|                                     | 9.53        | 1          | ○   | -   | ○    | -    | -        | -        |
|                                     | 12.7        | 1          | ○   | -   | ○    | -    | -        | -        |
| ASTM A269/213<br>BA Seamless Pipe   | 3.18        | 0.89       | -   | -   | -    | -    | ○        | ○        |
|                                     | 6.35        | 0.89       | -   | -   | -    | -    | ○        | ○        |
|                                     | 6.35        | 1.24       | -   | -   | -    | -    | ○        | ○        |
|                                     | 9.53        | 0.89       | -   | -   | -    | -    | ○        | ○        |
|                                     | 9.53        | 1.24       | -   | -   | -    | -    | ○        | ○        |
|                                     | 9.53        | 1.65       | -   | -   | -    | -    | -        | ○        |
|                                     | 12.7        | 0.89       | -   | -   | -    | -    | ○        | ○        |
|                                     | 12.7        | 1.24       | -   | -   | -    | -    | ○        | ○        |
|                                     | 12.7        | 1.65       | -   | -   | -    | -    | -        | ○        |
|                                     | 19.05       | 1.24       | -   | -   | -    | -    | -        | ○        |
|                                     | 19.05       | 1.65       | -   | -   | -    | -    | -        | ○        |
|                                     | 19.05       | 2.11       | -   | -   | -    | -    | -        | ○        |
|                                     | 25.4        | 1.65       | -   | -   | -    | -    | -        | ○        |
|                                     | 25.4        | 2.11       | -   | -   | -    | -    | -        | ○        |
| JIS G3459<br>Seamless Pipe<br>TP-SC | 3           | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 4           | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 5           | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 6           | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 6           | 1.5        | ○   | -   | -    | -    | -        | -        |
|                                     | 8           | 0.5        | ○   | -   | -    | -    | -        | -        |
|                                     | 8           | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 9.53        | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 10          | 1          | ○   | -   | -    | -    | -        | -        |
|                                     | 10          | 2          | ○   | -   | -    | -    | -        | -        |
|                                     | 10.5        | 1.7        | ○   | -   | -    | -    | -        | -        |
|                                     | 10.5        | 2.4        | ○   | -   | -    | -    | -        | -        |
|                                     | 13.8        | 2.2        | ○   | -   | -    | -    | -        | -        |
|                                     | 13.8        | 3          | ○   | -   | -    | -    | -        | -        |
|                                     | 14          | 1.5        | ○   | -   | -    | -    | -        | -        |
|                                     | 17.3        | 2.3        | ○   | -   | -    | -    | -        | -        |
|                                     | 17.3        | 3.2        | ○   | -   | -    | -    | -        | -        |
|                                     | 19          | 4          | ○   | -   | -    | -    | -        | -        |
|                                     | 21.7        | 2.1        | ○   | -   | -    | -    | -        | -        |
|                                     | 21.7        | 2.5        | ○   | -   | -    | -    | -        | -        |
|                                     | 21.7        | 2.8        | ○   | -   | ○    | -    | -        | -        |
|                                     | 21.7        | 3.7        | ○   | -   | -    | -    | -        | -        |
|                                     | 21.7        | 4.7        | ○   | -   | -    | -    | -        | -        |
|                                     | 25          | 6          | ○   | -   | -    | -    | -        | -        |
|                                     | 27.2        | 2.1        | ○   | -   | -    | -    | -        | -        |
|                                     | 27.2        | 2.5        | ○   | -   | ○    | -    | -        | -        |
|                                     | 27.2        | 2.9        | ○   | -   | ○    | -    | -        | -        |



\*OD: Outside Diameter T: Thickness

| Material Grade                         | OD*<br>(mm) | T*<br>(mm) | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|----------------------------------------|-------------|------------|-----|-----|------|------|----------|----------|
| JIS G3459<br>Seamless Pipe<br>TP-SC    | 27.2        | 3.9        | ○   | -   | -    | -    | -        | -        |
|                                        | 27.2        | 5.5        | ○   | -   | -    | -    | -        | -        |
|                                        | 34          | 4.5        | ○   | -   | -    | -    | -        | -        |
|                                        | 42.7        | 1.65       | ○   | -   | -    | -    | -        | -        |
|                                        | 139.8       | 3.4        | ○   | -   | -    | -    | -        | -        |
| ASTM A/SA312<br>Seamless Pipe<br>TP-SC | 17.15       | 2.31       | ○   | -   | -    | -    | -        | -        |
|                                        | 21.34       | 2          | -   | -   | -    | -    | ○        | -        |
|                                        | 21.34       | 2.11       | -   | -   | -    | -    | ○        | ○        |
|                                        | 21.34       | 2.77       | -   | -   | -    | ○    | ○        | ○        |
|                                        | 21.34       | 3.73       | -   | -   | -    | -    | ○        | ○        |
|                                        | 26.67       | 2.11       | -   | -   | ○    | -    | ○        | ○        |
|                                        | 26.67       | 2.87       | -   | -   | -    | ○    | ○        | ○        |
|                                        | 26.67       | 3.91       | -   | -   | -    | -    | ○        | ○        |
|                                        | 33.4        | 2.77       | -   | -   | -    | -    | -        | ○        |
|                                        | 33.4        | 3.38       | -   | -   | -    | -    | -        | ○        |
|                                        | 48.26       | 2.77       | -   | -   | -    | -    | -        | ○        |
|                                        | 60.33       | 2.77       | -   | -   | -    | ○    | -        | -        |
|                                        | 73.03       | 3.05       | -   | -   | -    | ○    | ○        | -        |
|                                        | 88.9        | 3.05       | -   | -   | -    | ○    | ○        | ○        |
|                                        | 88.9        | 4          | -   | -   | -    | ○    | -        | -        |
|                                        | 168.28      | 5          | -   | -   | -    | -    | ○        | ○        |
| JIS G3459<br>Seamless Pipe<br>TP-SH    | 34          | 2.8        | ○   | -   | -    | -    | -        | -        |
|                                        | 34          | 3          | ○   | -   | -    | -    | -        | -        |
|                                        | 34          | 3.4        | ○   | -   | ○    | -    | -        | -        |
|                                        | 34          | 4.5        | ○   | -   | ○    | -    | -        | -        |
|                                        | 34          | 5          | ○   | -   | -    | -    | -        | -        |
|                                        | 34          | 6.4        | ○   | -   | -    | -    | -        | -        |
|                                        | 42.7        | 3          | ○   | -   | -    | -    | -        | -        |
|                                        | 42.7        | 3.6        | ○   | -   | -    | -    | -        | -        |
|                                        | 42.7        | 4.9        | ○   | -   | -    | -    | -        | -        |
|                                        | 48.6        | 2.8        | ○   | -   | -    | -    | -        | -        |
|                                        | 48.6        | 3          | ○   | -   | -    | -    | -        | -        |
|                                        | 48.6        | 3.7        | ○   | -   | ○    | -    | -        | -        |
|                                        | 48.6        | 5.1        | ○   | -   | -    | -    | -        | -        |
|                                        | 48.6        | 7.1        | ○   | -   | -    | -    | -        | -        |
|                                        | 60.5        | 2.8        | ○   | -   | ○    | -    | -        | -        |
|                                        | 60.5        | 3.5        | ○   | -   | ○    | -    | -        | -        |
|                                        | 60.5        | 3.9        | ○   | -   | -    | -    | -        | -        |
|                                        | 60.5        | 5.5        | ○   | -   | -    | -    | -        | -        |
|                                        | 75          | 15         | ○   | -   | -    | -    | -        | -        |
|                                        | 76.3        | 3          | ○   | -   | -    | -    | -        | -        |
|                                        | 76.3        | 3.5        | ○   | -   | -    | ○    | -        | -        |
|                                        | 76.3        | 5.2        | ○   | -   | -    | -    | -        | -        |
|                                        | 76.3        | 7          | ○   | -   | -    | -    | -        | -        |

\*OD: Outside Diameter T: Thickness

| Material Grade                         | Size 1<br>(OD) | Size 2<br>Thickness | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|----------------------------------------|----------------|---------------------|-----|-----|------|------|----------|----------|
| JIS G3459<br>Seamless Pipe<br>TP-SH    | 89.1           | 3                   | O   | -   | -    | -    | -        | -        |
|                                        | 89.1           | 4                   | O   | -   | -    | -    | -        | -        |
|                                        | 89.1           | 5.5                 | O   | -   | O    | -    | -        | -        |
|                                        | 89.1           | 7.6                 | O   | -   | -    | -    | -        | -        |
|                                        | 89.1           | 11.1                | O   | -   | -    | -    | -        | -        |
|                                        | 90             | 15                  | O   | -   | -    | -    | -        | -        |
|                                        | 100            | 15                  | O   | -   | -    | -    | -        | -        |
|                                        | 114.3          | 3                   | O   | -   | -    | -    | -        | -        |
|                                        | 114.3          | 4                   | O   | -   | O    | -    | -        | -        |
|                                        | 114.3          | 6                   | O   | -   | O    | -    | -        | -        |
|                                        | 114.3          | 8.6                 | O   | -   | -    | -    | -        | -        |
|                                        | 114.3          | 13.5                | O   | -   | -    | -    | -        | -        |
|                                        | 139.8          | 5                   | O   | -   | O    | -    | -        | -        |
|                                        | 139.8          | 6.6                 | O   | -   | O    | -    | -        | -        |
|                                        | 139.8          | 9.5                 | O   | -   | O    | -    | -        | -        |
|                                        | 139.8          | 15.9                | O   | -   | -    | -    | -        | -        |
|                                        | 165.2          | 5                   | O   | -   | -    | -    | -        | -        |
|                                        | 165.2          | 7.1                 | O   | -   | O    | -    | -        | -        |
|                                        | 165.2          | 11                  | O   | -   | -    | -    | -        | -        |
|                                        | 165.2          | 18.2                | O   | -   | -    | -    | -        | -        |
|                                        | 216.3          | 6.5                 | O   | -   | O    | -    | -        | -        |
|                                        | 216.3          | 8.2                 | O   | -   | -    | -    | -        | -        |
|                                        | 216.3          | 12.7                | O   | -   | -    | -    | -        | -        |
|                                        | 216.3          | 18.2                | O   | -   | -    | -    | -        | -        |
|                                        | 267.4          | 9.3                 | O   | -   | O    | -    | -        | -        |
|                                        | 267.4          | 15.1                | O   | -   | O    | -    | -        | -        |
|                                        | 318.5          | 10.3                | O   | -   | O    | -    | -        | -        |
|                                        | 318.5          | 17.4                | O   | -   | O    | -    | -        | -        |
| ASTM A/SA312<br>Seamless Pipe<br>TP-SH | 33.4           | 2.77                | -   | -   | -    | -    | O        | -        |
|                                        | 33.4           | 3.38                | -   | -   | -    | -    | O        | O        |
|                                        | 33.4           | 4.55                | -   | -   | -    | -    | O        | O        |
|                                        | 42.16          | 2.77                | -   | -   | -    | -    | O        | O        |
|                                        | 42.16          | 3.56                | -   | -   | -    | -    | O        | O        |
|                                        | 42.16          | 4.85                | -   | -   | -    | -    | O        | O        |
|                                        | 42.16          | 6.35                | -   | -   | -    | -    | O        | -        |
|                                        | 48.26          | 2.77                | -   | -   | -    | -    | O        | -        |
|                                        | 48.26          | 3.68                | -   | -   | -    | O    | O        | O        |
|                                        | 48.26          | 5.08                | -   | -   | -    | O    | O        | O        |
|                                        | 48.26          | 7.14                | -   | -   | -    | -    | O        | -        |
|                                        | 60.33          | 2.77                | -   | -   | -    | -    | O        | -        |
|                                        | 60.33          | 3.91                | -   | -   | -    | O    | O        | O        |
|                                        | 60.33          | 5.54                | -   | -   | -    | -    | O        | O        |
|                                        | 60.33          | 8.74                | -   | -   | -    | -    | O        | O        |

\*OD: Outside Diameter T: Thickness

| Material Grade                           | OD*<br>(mm) | T*<br>(mm) | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|------------------------------------------|-------------|------------|-----|-----|------|------|----------|----------|
| ASTM A/SA312<br>Seamless Pipe<br>TP-SH   | 73.03       | 5.16       | -   | -   | -    | -    | ○        | ○        |
|                                          | 73.03       | 7.01       | -   | -   | -    | ○    | ○        | ○        |
|                                          | 88.9        | 5.49       | -   | -   | -    | -    | ○        | ○        |
|                                          | 88.9        | 7.62       | -   | -   | -    | -    | ○        | ○        |
|                                          | 114.3       | 3.05       | -   | -   | -    | -    | ○        | ○        |
|                                          | 114.3       | 6.02       | -   | -   | ○    | -    | ○        | ○        |
|                                          | 114.3       | 8.56       | -   | -   | ○    | ○    | ○        | ○        |
|                                          | 141.3       | 6.55       | -   | -   | -    | -    | -        | ○        |
|                                          | 141.3       | 9.52       | -   | -   | -    | -    | ○        | -        |
|                                          | 168.28      | 7.11       | -   | -   | -    | -    | ○        | ○        |
|                                          | 168.28      | 10.97      | -   | -   | -    | -    | ○        | ○        |
|                                          | 219.08      | 8.18       | ○   | -   | ○    | -    | -        | ○        |
|                                          | 219.08      | 12.7       | -   | -   | -    | -    | ○        | ○        |
|                                          | 273.05      | 9.27       | -   | -   | -    | -    | ○        | -        |
|                                          | 168.28      | 10.97      | -   | -   | -    | -    | ○        | ○        |
|                                          | 219.08      | 8.18       | ○   | -   | ○    | -    | -        | ○        |
|                                          | 219.08      | 12.7       | -   | -   | -    | -    | ○        | ○        |
|                                          | 273.05      | 9.27       | -   | -   | -    | -    | ○        | -        |
| JIS G3446<br>Seamless Hollow Bar<br>TK-A | 110         | 15         | ○   | -   | -    | -    | -        | -        |
|                                          | 110         | 20         | ○   | -   | -    | -    | -        | -        |
|                                          | 120         | 15         | ○   | -   | -    | -    | -        | -        |
|                                          | 120         | 20         | ○   | -   | -    | -    | -        | -        |
|                                          | 125         | 15         | ○   | -   | -    | -    | -        | -        |
|                                          | 125         | 22.5       | ○   | -   | -    | -    | -        | -        |
|                                          | 130         | 15         | ○   | -   | -    | -    | -        | -        |
|                                          | 132         | 21         | ○   | -   | -    | -    | -        | -        |
|                                          | 132         | 31         | ○   | -   | -    | -    | -        | -        |
|                                          | 140         | 14         | ○   | -   | -    | -    | -        | -        |
|                                          | 140         | 25         | ○   | -   | -    | -    | -        | -        |
|                                          | 150         | 20         | ○   | -   | -    | -    | -        | -        |
|                                          | 150         | 25         | ○   | -   | -    | -    | -        | -        |
|                                          | 160         | 24         | ○   | -   | -    | -    | -        | -        |
|                                          | 170         | 10         | ○   | -   | -    | -    | -        | -        |
|                                          | 170         | 26         | ○   | -   | -    | -    | -        | -        |
|                                          | 180         | 40         | ○   | -   | -    | -    | -        | -        |
|                                          | 212         | 21         | ○   | -   | -    | -    | -        | -        |
| JIS G3459<br>Wilded Pipe<br>TPA/L        | 10.5        | 2          | ○   | -   | -    | -    | -        | -        |
|                                          | 13.8        | 1.2        | ○   | -   | -    | -    | -        | -        |
|                                          | 13.8        | 2          | ○   | -   | -    | -    | -        | -        |
|                                          | 13.8        | 2.2        | ○   | -   | -    | -    | -        | -        |
|                                          | 13.8        | 3          | ○   | -   | -    | -    | -        | -        |
|                                          | 17.3        | 2          | ○   | -   | ○    | -    | -        | -        |
|                                          | 17.3        | 2.5        | ○   | ○   | -    | -    | -        | -        |
|                                          | 17.3        | 3          | ○   | -   | -    | -    | -        | -        |

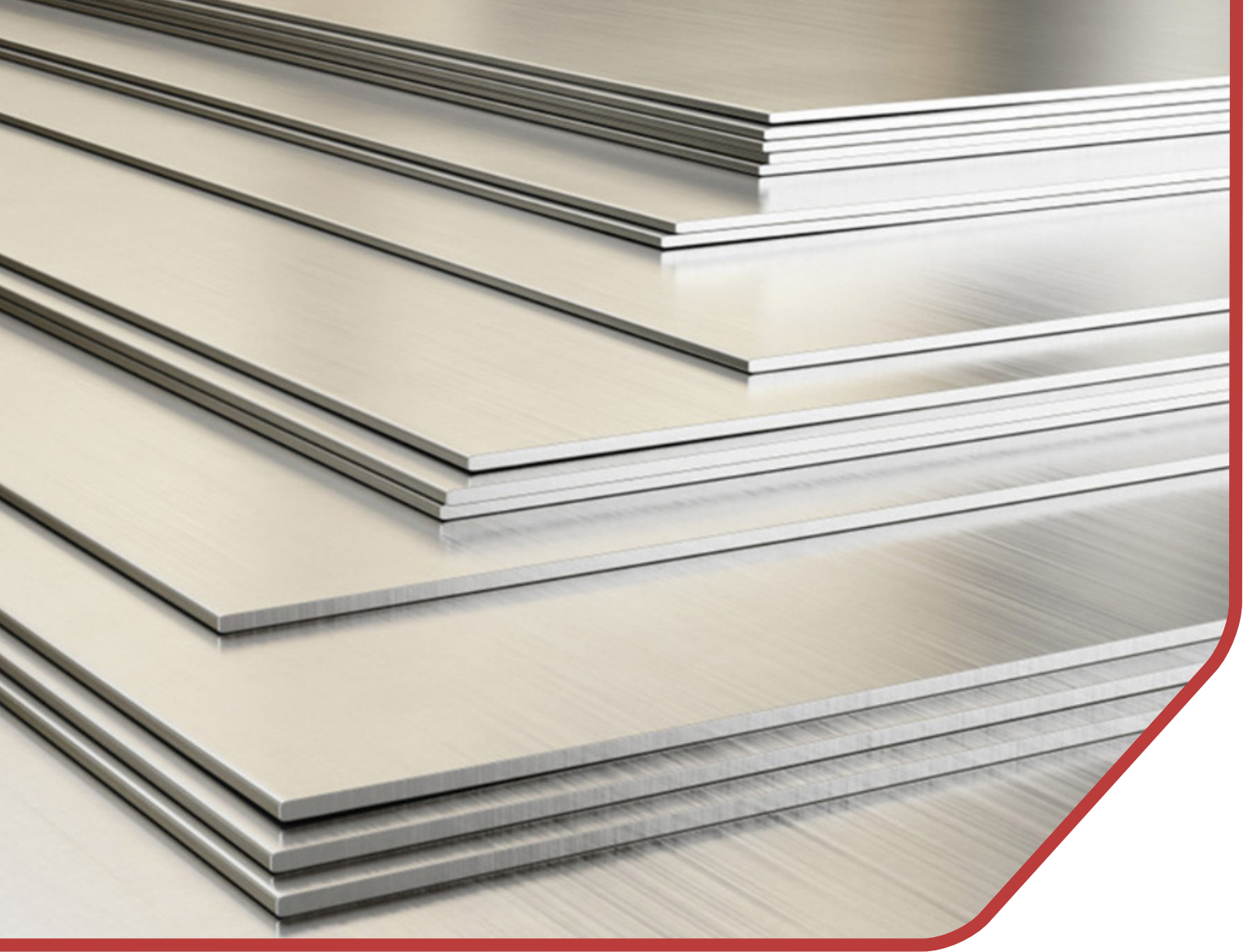


\*OD: Outside Diameter T: Thickness

| Material Grade                    | OD*<br>(mm) | T*<br>(mm) | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|-----------------------------------|-------------|------------|-----|-----|------|------|----------|----------|
| JIS G3459<br>Wilded Pipe<br>TPA/L | 21.7        | 1.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 21.7        | 2          | ○   | -   | ○    | -    | -        | -        |
|                                   | 27.2        | 2.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 27.2        | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 34          | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 34          | 2.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 34          | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 34          | 3.5        | ○   | ○   | -    | -    | -        | -        |
|                                   | 34          | 4          | ○   | -   | -    | -    | -        | -        |
|                                   | 42.7        | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 42.7        | 3          | ○   | ○   | ○    | -    | -        | -        |
|                                   | 42.7        | 3.5        | ○   | -   | ○    | -    | -        | -        |
|                                   | 42.7        | 4          | ○   | -   | -    | ○    | -        | -        |
|                                   | 48.6        | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 48.6        | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 48.6        | 3.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 48.6        | 4          | ○   | -   | ○    | -    | -        | -        |
|                                   | 60.5        | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 60.5        | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 60.5        | 3.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 60.5        | 4          | ○   | -   | ○    | -    | -        | -        |
|                                   | 60.5        | 5.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 76.3        | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 76.3        | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 76.3        | 3.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 76.3        | 5.2        | ○   | -   | -    | -    | -        | -        |
|                                   | 89.1        | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 89.1        | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 89.1        | 4          | ○   | -   | -    | -    | -        | -        |
|                                   | 89.1        | 5.5        | ○   | -   | -    | -    | -        | -        |
|                                   | 101.6       | 3          | -   | -   | -    | ○    | -        | -        |
|                                   | 101.6       | 4          | ○   | -   | -    | -    | -        | -        |
|                                   | 114.3       | 2          | ○   | -   | -    | -    | -        | -        |
|                                   | 114.3       | 3          | ○   | -   | ○    | -    | -        | -        |
|                                   | 139.8       | 3          | ○   | -   | -    | -    | -        | -        |
|                                   | 139.8       | 3.5        | ○   | -   | ○    | -    | -        | -        |
|                                   | 139.8       | 4          | ○   | -   | -    | -    | -        | -        |
|                                   | 139.8       | 5          | ○   | -   | -    | -    | -        | -        |
|                                   | 139.8       | 6.6        | ○   | -   | -    | -    | -        | -        |
|                                   | 165.2       | 3          | ○   | -   | -    | -    | -        | -        |
|                                   | 165.2       | 3.5        | ○   | ○   | ○    | -    | -        | -        |
|                                   | 165.2       | 4          | ○   | -   | -    | -    | -        | -        |
|                                   | 165.2       | 5          | ○   | -   | -    | -    | -        | -        |
|                                   | 165.2       | 7.1        | ○   | -   | -    | -    | -        | -        |

| Material Grade                     | OD*<br>(mm) | T*<br>(mm) | 304 | 316 | 316L | 310S | 304/304L | 316/316L |
|------------------------------------|-------------|------------|-----|-----|------|------|----------|----------|
| JIS G3459<br>Wilded Pipe<br>TPA/L  | 216.3       | 3          | ○   | -   | -    | -    | -        | -        |
|                                    | 216.3       | 4          | ○   | -   | ○    | -    | -        | -        |
|                                    | 216.3       | 6.5        | ○   | -   | -    | -    | -        | -        |
|                                    | 216.3       | 8.2        | ○   | -   | -    | -    | -        | -        |
|                                    | 267.4       | 3.5        | ○   | -   | -    | -    | -        | -        |
|                                    | 267.4       | 4          | ○   | ○   | ○    | -    | -        | -        |
|                                    | 267.4       | 6.5        | ○   | -   | -    | -    | -        | -        |
|                                    | 318.5       | 4          | ○   | -   | -    | -    | -        | -        |
|                                    | 318.5       | 4.5        | ○   | -   | ○    | -    | -        | -        |
|                                    | 318.5       | 6.5        | ○   | ○   | ○    | -    | -        | -        |
| JIS G3448<br>Welded Pipe<br>TPD    | 15.88       | 0.8        | ○   | -   | -    | -    | -        | -        |
|                                    | 22.22       | 1          | ○   | -   | -    | -    | -        | -        |
|                                    | 28.58       | 1          | ○   | -   | -    | -    | -        | -        |
|                                    | 34          | 1.2        | ○   | -   | -    | -    | -        | -        |
|                                    | 42.7        | 1.2        | ○   | -   | -    | -    | -        | -        |
|                                    | 48.6        | 1.2        | ○   | -   | -    | -    | -        | -        |
|                                    | 60.5        | 1.5        | ○   | -   | -    | -    | -        | -        |
| JIS G3468<br>Welded Pipe<br>TPY-SA | 355.6       | 8          | ○   | -   | -    | -    | -        | -        |
|                                    | 406.4       | 8          | ○   | -   | -    | -    | -        | -        |
|                                    | 508         | 5          | ○   | -   | -    | -    | -        | -        |
|                                    | 508         | 9.5        | ○   | -   | -    | -    | -        | -        |
|                                    | 609.6       | 9.5        | ○   | -   | -    | -    | -        | -        |

| Material Grade                   | Size 1 | Size 2 | Size 3 | 304 | 316L | 316L |
|----------------------------------|--------|--------|--------|-----|------|------|
| Hot Rolled Square Pipe           | 3      | 40     | 40     | O   | -    | -    |
| ASTM A554 Squarepipe             | 1.5    | 30     | 30     | O   | -    | -    |
| Squarepipe (Unpolished)          | 40     | 40     | 2      | O   | -    | -    |
|                                  | 50     | 50     | 3      | O   | -    | -    |
|                                  | 60     | 25     | 1.5    | O   | -    | -    |
|                                  | 60     | 30     | 2      | O   | -    | -    |
|                                  | 60     | 30     | 3      | O   | -    | -    |
|                                  | 60     | 60     | 1.5    | O   | -    | -    |
|                                  | 100    | 50     | 3      | O   | -    | -    |
|                                  | 100    | 100    | 4      | O   | -    | -    |
|                                  | 150    | 100    | 4      | O   | -    | -    |
| Squarepipe (Hot Finish)          | 5      | 50     | 50     | O   | -    | -    |
| ASTM A554 Squarepipe (HL Finish) | 30     | 30     | 1      | O   | -    | -    |
|                                  | 40     | 40     | 2      | O   | -    | -    |
|                                  | 80     | 80     | 3      | O   | -    | -    |
| Squarepipe (#400 Finish)         | 10     | 10     | 1.2    | O   | -    | -    |
| ASTM A554 Squarepipe (BA Finish) | 10     | 10     | 1.2    | O   | -    | -    |



 *V-Stainless Steel*  
**PLATE**





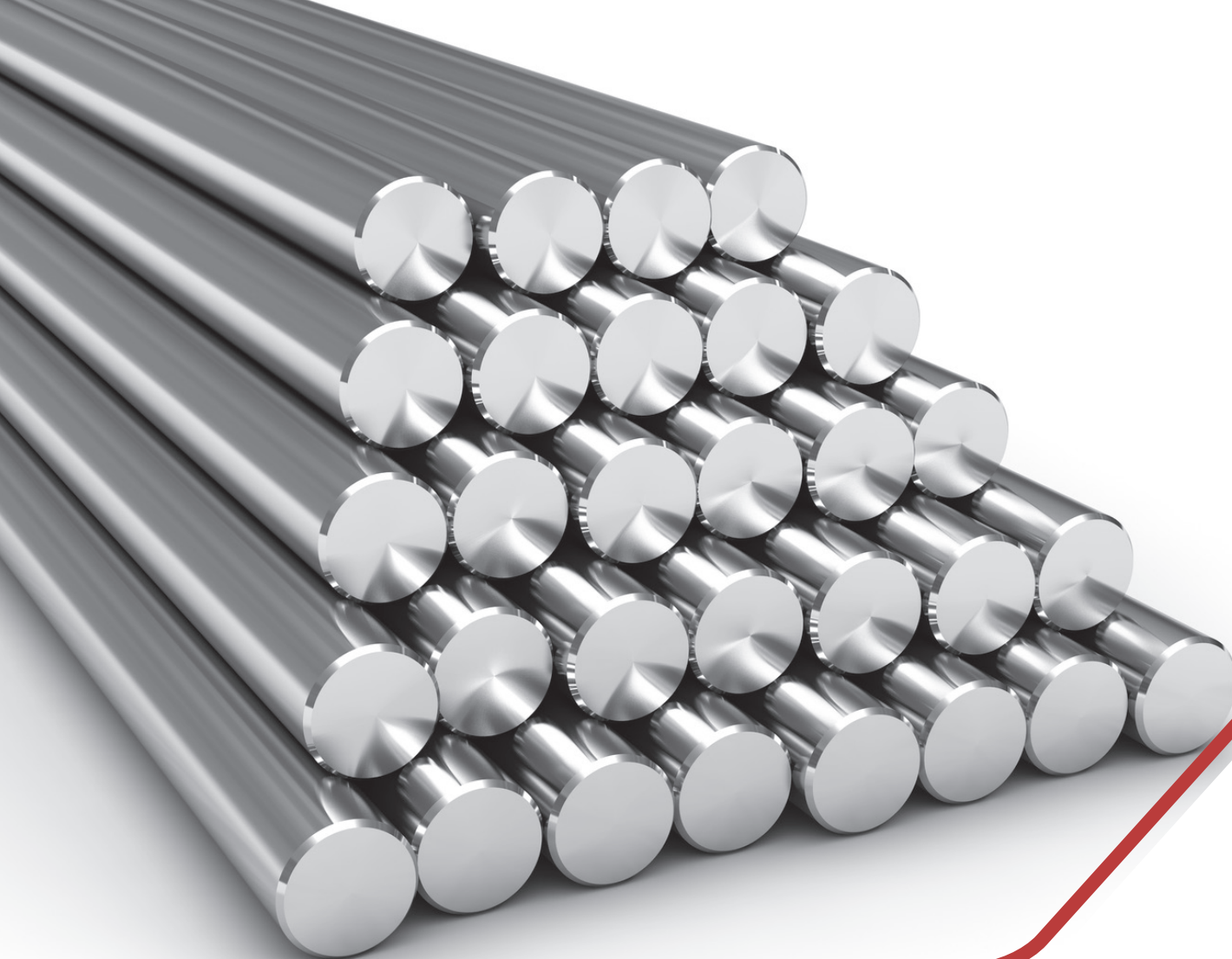
| Material Grade                  | Thickness (mm) | 303 | 304 | 304L | 316 | 316L | 310S | 323L | 430 | 304/304L | 316/316L | UNS S31803 |
|---------------------------------|----------------|-----|-----|------|-----|------|------|------|-----|----------|----------|------------|
| JIS G4305<br>2B Finish Plate    | 0.5            | -   | ○   | -    | ○   | -    | -    | -    | ○   | -        | -        | -          |
|                                 | 0.6            | -   | ○   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                 | 0.8            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                 | 1              | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                 | 1.2            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                 | 1.5            | -   | ○   | -    | -   | -    | ○    | -    | ○   | -        | -        | -          |
|                                 | 2              | -   | ○   | -    | -   | ○    | ○    | -    | ○   | -        | -        | -          |
|                                 | 2.5            | -   | ○   | -    | -   | ○    | -    | -    | ○   | -        | -        | -          |
|                                 | 3              | -   | ○   | -    | -   | ○    | -    | -    | ○   | -        | -        | -          |
|                                 | 4              | -   | ○   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                 | 5              | -   | ○   | -    | ○   | ○    | -    | -    | -   | -        | -        | -          |
|                                 | 6              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
| ASTM A/SA240<br>2B Finish Plate | 0.8            | -   | -   | -    | -   | -    | -    | -    | -   | ○        | -        | -          |
|                                 | 1              | -   | -   | ○    | -   | -    | -    | -    | -   | ○        | -        | -          |
|                                 | 1.2            | -   | -   | -    | -   | -    | -    | -    | -   | ○        | -        | -          |
|                                 | 1.5            | -   | ○   | ○    | -   | -    | -    | -    | ○   | ○        | ○        | -          |
|                                 | 2              | -   | ○   | -    | -   | ○    | -    | -    | ○   | ○        | ○        | -          |
|                                 | 2.5            | -   | ○   | -    | -   | ○    | -    | -    | ○   | ○        | ○        | -          |
|                                 | 3              | -   | ○   | ○    | -   | ○    | ○    | -    | ○   | ○        | ○        | -          |
|                                 | 4              | -   | -   | -    | -   | -    | ○    | -    | -   | ○        | -        | -          |
|                                 | 5              | -   | -   | -    | -   | ○    | -    | -    | -   | ○        | ○        | -          |
|                                 | 6              | -   | ○   | -    | -   | -    | -    | -    | -   | ○        | ○        | -          |
| JIS G4304<br>NO1 Finish Plate   | 3              | -   | ○   | -    | -   | -    | ○    | -    | -   | -        | -        | -          |
|                                 | 4              | -   | ○   | -    | ○   | -    | ○    | -    | ○   | -        | -        | -          |
|                                 | 4.5            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 5              | -   | ○   | -    | -   | -    | ○    | -    | ○   | -        | -        | -          |
|                                 | 6              | ○   | ○   | -    | ○   | ○    | ○    | -    | ○   | -        | -        | -          |
|                                 | 8              | ○   | ○   | -    | ○   | -    | ○    | -    | ○   | -        | -        | -          |
|                                 | 9              | -   | ○   | ○    | ○   | ○    | -    | -    | -   | -        | -        | -          |
|                                 | 10             | ○   | ○   | -    | ○   | -    | ○    | ○    | -   | -        | -        | -          |
|                                 | 12             | ○   | ○   | ○    | ○   | ○    | -    | ○    | -   | -        | -        | -          |
|                                 | 14             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 15             | ○   | ○   | -    | -   | -    | ○    | -    | -   | -        | -        | -          |
|                                 | 16             | ○   | ○   | -    | -   | -    | ○    | ○    | -   | -        | -        | -          |
|                                 | 18             | -   | ○   | -    | -   | -    | -    | ○    | -   | -        | -        | -          |
|                                 | 19             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 20             | ○   | ○   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                 | 22             | -   | ○   | -    | -   | -    | -    | ○    | -   | -        | -        | -          |
|                                 | 25             | ○   | ○   | -    | -   | ○    | -    | ○    | -   | -        | -        | -          |
|                                 | 28             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 30             | ○   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 32             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 35             | ○   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                 | 40             | ○   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |

| Material Grade                   | Thickness (mm) | 303 | 304 | 304L | 316 | 316L | 310S | 323L | 430 | 304/304L | 316/316L | UNS S31803 |
|----------------------------------|----------------|-----|-----|------|-----|------|------|------|-----|----------|----------|------------|
| JIS G4304<br>NO1 Finish Plate    | 45             | ○   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 50             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 55             | -   | -   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                  | 60             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 65             | -   | -   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                  | 70             | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
| ASTM A/SA240<br>NO1 Finish Plate | 3              | -   | ○   | -    | -   | -    | ○    | -    | -   | ○        | ○        | -          |
|                                  | 4              | -   | ○   | -    | -   | -    | -    | -    | -   | ○        | ○        | -          |
|                                  | 5              | -   | -   | -    | -   | ○    | ○    | -    | -   | ○        | ○        | -          |
|                                  | 6              | -   | ○   | -    | -   | -    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 8              | -   | ○   | -    | -   | -    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 9              | -   | ○   | -    | -   | ○    | -    | -    | -   | ○        | ○        | -          |
|                                  | 10             | -   | ○   | -    | -   | -    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 12             | -   | ○   | ○    | -   | ○    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 14             | -   | -   | -    | -   | -    | -    | -    | -   | ○        | ○        | -          |
|                                  | 15             | -   | -   | ○    | -   | -    | -    | -    | -   | ○        | ○        | -          |
|                                  | 16             | -   | -   | ○    | -   | -    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 18             | -   | -   | -    | -   | ○    | -    | -    | -   | ○        | ○        | -          |
|                                  | 19             | -   | -   | -    | -   | -    | -    | -    | -   | -        | -        | ○          |
|                                  | 20             | -   | -   | -    | -   | -    | ○    | -    | -   | ○        | ○        | ○          |
|                                  | 22             | -   | -   | -    | -   | ○    | -    | -    | -   | ○        | ○        | -          |
|                                  | 24             | -   | -   | -    | -   | -    | -    | -    | -   | -        | ○        | -          |
|                                  | 25             | -   | -   | -    | -   | ○    | -    | -    | -   | ○        | ○        | ○          |
|                                  | 28             | -   | -   | -    | -   | -    | -    | -    | -   | ○        | ○        | -          |
|                                  | 30             | -   | -   | -    | -   | -    | -    | -    | -   | ○        | ○        | -          |
|                                  | 32             | -   | -   | -    | -   | -    | -    | -    | -   | ○        | -        | -          |
|                                  | 35             | -   | -   | -    | -   | ○    | -    | -    | -   | ○        | ○        | -          |
|                                  | 40             | -   | -   | -    | -   | -    | -    | -    | -   | -        | ○        | -          |
|                                  | 45             | -   | -   | -    | -   | -    | -    | -    | -   | -        | -        | ○          |
|                                  | 50             | -   | -   | -    | -   | -    | -    | -    | -   | -        | ○        | -          |
|                                  | 55             | -   | -   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
|                                  | 60             | -   | -   | -    | -   | -    | -    | -    | -   | -        | ○        | -          |
|                                  | 100            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 150            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
| JIS G4305<br>HL Finish Plate     | 0.5            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1              | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1.2            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1.5            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 2              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 3              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
| ASTM A/SA240<br>HL Finish Plate  | 1.5            | -   | ○   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |

| Material Grade                   | Thickness (mm) | 303 | 304 | 304L | 316 | 316L | 310S | 323L | 430 | 304/304L | 316/316L | UNS S31803 |
|----------------------------------|----------------|-----|-----|------|-----|------|------|------|-----|----------|----------|------------|
| JIS G4305<br>BA Finish Plate     | 0.5            | -   | -   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 0.8            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1.2            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1.5            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
| JIS G4305<br>#400 Finish Plate   | 1              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1.2            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1.5            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 2              | -   | ○   | -    | -   | ○    | -    | -    | -   | -        | -        | -          |
| JIS G4305<br>#800 Finish Plate   | 0.8            | -   | -   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1              | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1.5            | -   | -   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 2              | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
| JIS G4305<br>NO4 Finish Plate    | 0.5            | -   | -   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 0.8            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1              | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
|                                  | 1.2            | -   | ○   | -    | -   | -    | -    | -    | ○   | -        | -        | -          |
| ASTM A/SA240<br>NO4 Finish Plate | 0.8            | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |
|                                  | 1              | -   | ○   | -    | -   | -    | -    | -    | -   | -        | -        | -          |

*\*Kho hàng chúng tôi có sẵn thép không gỉ dạng tấm với nhiều kích thước khổ rộng từ: 1000 x 2000 | 1219 x 2438 | 1524 x 3048 | 1524 x 4000 | 1524 x 6096 | 2000 x 6100 (mm) Vui lòng liên hệ để được tư vấn thêm.*

*\*Our warehouse has stainless steel sheet in stock in a wide range of widths from: 1000 x 2000 | 1219 x 2438 | 1524 x 3048 | 1524 x 4000 | 1524 x 6096 | 2000 x 6100 (mm) Please contact for more information.*



*V-Stainless Steel*

# ROUND | HEX BAR



ヤマシンスチール株式会社  
YAMASHIN STEEL CO., INC.



精研工業株式会社



大同特殊鋼

DAIDO STEEL GROUP Beyond the Special

SeAH Steel



SANYO  
SPECIAL  
STEEL



\*OD: Outside Diameter

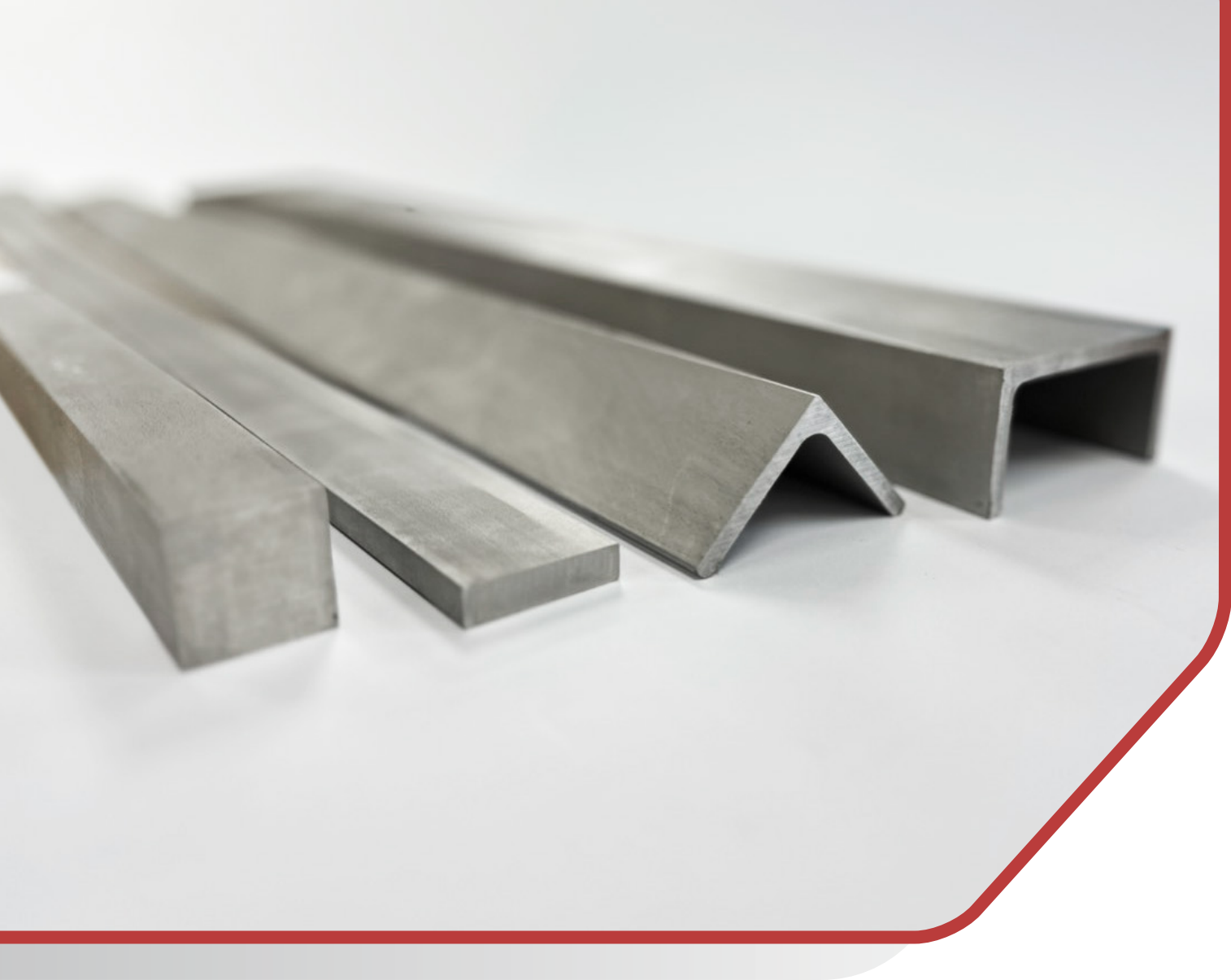
| Material Grade                                | OD*<br>(mm) | 303 | 304 | 304L | 316 | 316L | 310S | 420-J2 | 430 | 304/304L | 316/316L |
|-----------------------------------------------|-------------|-----|-----|------|-----|------|------|--------|-----|----------|----------|
| JIS G4303<br>Stainless Steel<br>RoundBar (AP) | 6           | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 8           | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 10          | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 12          | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 14          | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 16          | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
| JIS G4318<br>Stainless Steel<br>Hexagonal Bar | 5           | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 7           | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 8           | -   | ○   | -    | ○   | -    | -    | -      | -   | -        | -        |
|                                               | 10          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 14          | -   | ○   | -    | ○   | -    | -    | -      | -   | -        | -        |
|                                               | 17          | -   | -   | -    | ○   | -    | -    | -      | -   | -        | -        |
|                                               | 19          | -   | -   | -    | ○   | -    | -    | -      | -   | -        | -        |
|                                               | 22          | -   | -   | -    | ○   | -    | -    | -      | -   | -        | -        |
|                                               | 29          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
| JIS G4318<br>Stainless Steel<br>RoundBar (h7) | 5           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 6           | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 7           | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 12          | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 14          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 17          | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
| JIS G4303<br>Stainless Steel<br>RoundBar (PL) | 13          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 16          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 17          | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 18          | -   | ○   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                               | 19          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 20          | ○   | ○   | -    | -   | ○    | ○    | -      | -   | -        | -        |
|                                               | 22          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 25          | ○   | ○   | -    | -   | ○    | ○    | -      | -   | -        | -        |
|                                               | 28          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 30          | ○   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 32          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 35          | ○   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 36          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 38          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 40          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 42          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 45          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 50          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 55          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 60          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |

\*OD: Outside Diameter

| Material Grade                                | OD*<br>(mm) | 303 | 304 | 304L | 316 | 316L | 310S | 420-J2 | 430 | 304/304L | 316/316L |
|-----------------------------------------------|-------------|-----|-----|------|-----|------|------|--------|-----|----------|----------|
| JIS G4303<br>Stainless Steel<br>RoundBar (PL) | 65          | -   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 70          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 80          | ○   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 85          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 90          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 100         | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 105         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 110         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 115         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 120         | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 135         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 140         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 150         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 170         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 190         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 200         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                               | 210         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 240         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
| JIS G4318<br>Stainless Steel<br>RoundBar (h9) | 3           | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 4           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 5           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 6           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 7           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 8           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 9           | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 10          | ○   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 11          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 12          | ○   | ○   | -    | ○   | ○    | -    | -      | -   | -        | -        |
|                                               | 13          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 14          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 15          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 16          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 17          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 18          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 19          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 20          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 22          | ○   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 25          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 30          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                               | 70          | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |

\*OD: Outside Diameter

| Material Grade                                 | OD*<br>(mm) | 303 | 304 | 304L | 316 | 316L | 310S | 420-J2 | 430 | 304/304L | 316/316L |
|------------------------------------------------|-------------|-----|-----|------|-----|------|------|--------|-----|----------|----------|
| ASTM A582<br>Stainless Steel<br>Round Bar (PL) | 16          | ○   | ○   | -    | -   | ○    | ○    | -      | -   | -        | -        |
|                                                | 20          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 22          | ○   | -   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 25          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 30          | ○   | ○   | ○    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 32          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 34          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 35          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 36          | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 40          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 45          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 50          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 55          | -   | ○   | -    | -   | ○    | ○    | -      | -   | -        | -        |
|                                                | 60          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 65          | -   | -   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 70          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 75          | -   | -   | -    | -   | -    | ○    | -      | -   | -        | -        |
|                                                | 80          | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 90          | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 100         | ○   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 114.3       | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 120         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | ○        |
|                                                | 127         | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 130         | -   | -   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 139.7       | -   | ○   | -    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 140         | -   | ○   | -    | -   | ○    | -    | -      | -   | ○        | -        |
|                                                | 150         | -   | ○   | -    | -   | ○    | -    | -      | -   | ○        | ○        |
|                                                | 160         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 170         | -   | ○   | -    | -   | ○    | -    | -      | -   | ○        | -        |
|                                                | 180         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 190         | -   | -   | ○    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 200         | -   | ○   | -    | -   | ○    | -    | -      | -   | -        | -        |
|                                                | 330         | -   | -   | ○    | -   | -    | -    | -      | -   | -        | -        |
|                                                | 340         | -   | -   | ○    | -   | -    | -    | -      | -   | -        | -        |



 *V-Stainless Steel*  
**LONG MATERIAL**  
(Angle, Channel, Flatbar)

**AICHI STEEL**

**RTECHNO**

**MORY**

 **大同特殊鋼**  
DAIDO STEEL GROUP *Beyond the Special*

 **NIPPON STEEL**

| Material Grade                       | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|--------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Angle Bar  | 3              | 20             | 20             | -   | ○   | -    | -    | -        |
|                                      | 3              | 25             | 25             | -   | ○   | -    | -    | -        |
|                                      | 3              | 30             | 30             | -   | ○   | -    | -    | -        |
|                                      | 3              | 40             | 40             | -   | ○   | -    | -    | -        |
|                                      | 3              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 4              | 40             | 40             | -   | ○   | -    | -    | -        |
|                                      | 4              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 5              | 30             | 30             | -   | ○   | -    | -    | -        |
|                                      | 5              | 40             | 40             | -   | ○   | -    | ○    | -        |
|                                      | 5              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 5              | 65             | 65             | -   | ○   | -    | -    | -        |
|                                      | 6              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 6              | 60             | 60             | -   | ○   | -    | -    | -        |
|                                      | 6              | 65             | 65             | -   | ○   | -    | -    | -        |
|                                      | 6              | 75             | 75             | -   | ○   | -    | -    | -        |
|                                      | 6              | 80             | 80             | -   | ○   | -    | -    | -        |
|                                      | 6              | 100            | 100            | -   | ○   | -    | -    | -        |
|                                      | 6              | 125            | 125            | -   | ○   | -    | -    | -        |
|                                      | 7              | 75             | 75             | -   | ○   | -    | -    | -        |
|                                      | 7              | 75             | 100            | -   | ○   | -    | -    | -        |
|                                      | 9              | 75             | 75             | -   | ○   | -    | -    | -        |
|                                      | 10             | 100            | 100            | -   | ○   | -    | -    | -        |
| ASTM<br>Stainless Steel<br>Angle Bar | 3              | 30             | 30             | -   | ○   | -    | -    | -        |
|                                      | 3              | 40             | 40             | -   | ○   | -    | -    | -        |
|                                      | 4              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 5              | 40             | 40             | -   | ○   | -    | -    | ○        |
|                                      | 5              | 50             | 50             | -   | ○   | -    | -    | -        |
|                                      | 6              | 50             | 50             | -   | ○   | -    | -    | ○        |
|                                      | 10             | 100            | 100            | -   | -   | -    | -    | ○        |
| JIS<br>Stainless Steel<br>Channel    | 3              | 20             | 40             | -   | ○   | -    | -    | -        |
|                                      | 3              | 25             | 50             | -   | ○   | -    | -    | -        |
|                                      | 4              | 50             | 100            | -   | ○   | -    | -    | -        |
|                                      | 5              | 40             | 80             | -   | ○   | -    | -    | -        |
|                                      | 5              | 50             | 100            | -   | ○   | -    | -    | -        |
|                                      | 6              | 50             | 100            | -   | ○   | -    | -    | -        |
|                                      | 6              | 65             | 130            | -   | ○   | -    | -    | -        |
|                                      | 6              | 75             | 150            | -   | ○   | -    | -    | -        |
|                                      | 9              | 75             | 150            | -   | ○   | -    | -    | -        |
|                                      | 10             | 100            | 200            | -   | ○   | -    | -    | -        |



| Material Grade                        | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|---------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Hot FlatBar | 3              | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 20             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 32             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 45             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 3              | 100            | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 32             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 35             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 45             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 60             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 4              | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 20             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 32             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 35             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 38             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 60             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 90             | -              | -   | ○   | -    | -    | -        |
|                                       | 5              | 100            | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 20             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 32             | -              | -   | ○   | -    | -    | -        |

| Material Grade                        | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|---------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Hot FlatBar | 6              | 35             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 38             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 45             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 60             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 60             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 90             | -              | -   | ○   | -    | -    | -        |
|                                       | 6              | 100            | -              | -   | ○   | -    | -    | -        |
|                                       | 8              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 19             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 20             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 32             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 38             | -              | -   | ○   | -    | ○    | -        |
|                                       | 9              | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 45             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 60             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 90             | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 100            | -              | -   | ○   | -    | -    | -        |
|                                       | 9              | 150            | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 15             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 20             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 75             | -              | -   | ○   | -    | -    | -        |
|                                       | 10             | 100            | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 25             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 30             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 32             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 35             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 38             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 40             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 50             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 65             | -              | -   | ○   | -    | -    | -        |
|                                       | 12             | 75             | -              | -   | ○   | -    | -    | -        |

| Material Grade                         | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|----------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Hot FlatBar  | 12             | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 25             | -              | ○   | -   | -    | -    | -        |
|                                        | 16             | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 19             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 19             | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 22             | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 22             | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 25             | 43             | -              | ○   | -   | -    | -    | -        |
|                                        | 30             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 30             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 35             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 43             | 80             | -              | ○   | -   | -    | -    | -        |
|                                        | 43             | 80             | -              | ○   | -   | -    | -    | -        |
|                                        | 50             | 75             | -              | -   | ○   | -    | -    | -        |
| JIS<br>Stainless Steel<br>Cold FlatBar | 3              | 10             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 12             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 13             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 15             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 22             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 45             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 60             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 3              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 10             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 11             | -              | -   | ○   | -    | -    | -        |

| Material Grade                         | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|----------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Cold FlatBar | 4              | 11             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 15             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 4              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 60             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 60             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 5              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 16             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 16             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 19             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 35             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 45             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 70             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 6              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 16             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 25             | -              | -   | ○   | -    | -    | -        |

| Material Grade                         | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|----------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Cold FlatBar | 9              | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 60             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 125            | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 150            | -              | -   | ○   | -    | -    | -        |
|                                        | 9              | 300            | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 15             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 25             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 10             | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 20             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 30             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 32             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 90             | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 100            | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 150            | -              | -   | ○   | -    | -    | -        |
|                                        | 12             | 200            | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 38             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 40             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 50             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 65             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 75             | -              | -   | ○   | -    | -    | -        |
|                                        | 16             | 100            | -              | -   | ○   | -    | -    | -        |

| Material Grade                           | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | 303 | 304 | 316L | 316L | 304/304L |
|------------------------------------------|----------------|----------------|----------------|-----|-----|------|------|----------|
| JIS<br>Stainless Steel<br>Cold FlatBar   | 16             | 125            | -              | -   | ○   | -    | -    | -        |
|                                          | 16             | 150            | -              | -   | ○   | -    | -    | -        |
|                                          | 16             | 200            | -              | -   | ○   | -    | -    | -        |
|                                          | 16             | 250            | -              | -   | ○   | -    | -    | -        |
|                                          | 16             | 300            | -              | -   | ○   | -    | -    | -        |
|                                          | 19             | 25             | -              | -   | ○   | -    | -    | -        |
|                                          | 19             | 32             | -              | -   | ○   | -    | -    | -        |
|                                          | 22             | 50             | -              | -   | ○   | -    | -    | -        |
|                                          | 22             | 100            | -              | -   | ○   | -    | -    | -        |
|                                          | 25             | 32             | -              | -   | ○   | -    | -    | -        |
|                                          | 25             | 38             | -              | -   | ○   | -    | -    | -        |
|                                          | 25             | 50             | -              | -   | ○   | -    | -    | -        |
|                                          | 35             | 65             | -              | -   | ○   | -    | -    | -        |
| JIS<br>Stainless Steel<br>Hot SquareBar  | 10             | 10             | -              | -   | ○   | -    | -    | -        |
|                                          | 16             | 16             | -              | -   | ○   | -    | -    | -        |
|                                          | 20             | 20             | -              | -   | ○   | -    | -    | -        |
|                                          | 25             | 25             | -              | -   | ○   | -    | ○    | -        |
|                                          | 30             | 30             | -              | -   | ○   | -    | ○    | -        |
|                                          | 36             | 36             | -              | -   | ○   | -    | -    | -        |
|                                          | 50             | 50             | -              | -   | ○   | -    | -    | -        |
| JIS<br>Stainless Steel<br>Cold SquareBar | 12             | 12             | -              | -   | ○   | -    | -    | -        |
|                                          | 32             | 32             | -              | -   | ○   | -    | -    | -        |
|                                          | 36             | 36             | -              | -   | ○   | -    | -    | -        |
|                                          | 40             | 40             | -              | -   | ○   | -    | -    | -        |
|                                          | 50             | 50             | -              | -   | ○   | -    | -    | -        |





# *V-Stainless Steel* **FITTING**

**BENKAN  
KIKOH**

 オ-エ又工業株式会社

 MIE TECHNO CO.,LTD.

**inoc**



| Material Grade                   | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|----------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>FLANGE SOP-FF | 5K             | 15A            | -              | -              | O   | -    |
|                                  | 5K             | 20A            | -              | -              | O   | -    |
|                                  | 5K             | 25A            | -              | -              | O   | -    |
|                                  | 5K             | 32A            | -              | -              | O   | -    |
|                                  | 5K             | 40A            | -              | -              | O   | -    |
|                                  | 5K             | 50A            | -              | -              | O   | -    |
|                                  | 5K             | 65A            | -              | -              | O   | -    |
|                                  | 5K             | 80A            | -              | -              | O   | -    |
|                                  | 5K             | 100A           | -              | -              | O   | O    |
|                                  | 5K             | 125A           | -              | -              | O   | O    |
|                                  | 5K             | 150A           | -              | -              | O   | O    |
|                                  | 5K             | 200A           | -              | -              | O   | O    |
|                                  | 5K             | 250A           | -              | -              | O   | O    |
|                                  | 5K             | 300A           | -              | -              | O   | O    |
|                                  | 10K            | 15A            | -              | -              | O   | O    |
|                                  | 10K            | 20A            | -              | -              | O   | O    |
|                                  | 10K            | 25A            | -              | -              | O   | O    |
|                                  | 10K            | 32A            | -              | -              | O   | O    |
|                                  | 10K            | 40A            | -              | -              | O   | O    |
|                                  | 10K            | 50A            | -              | -              | O   | O    |
|                                  | 10K            | 65A            | -              | -              | O   | O    |
|                                  | 10K            | 80A            | -              | -              | O   | O    |
|                                  | 10K            | 100A           | -              | -              | O   | O    |
|                                  | 10K            | 125A           | -              | -              | O   | O    |
|                                  | 10K            | 150A           | -              | -              | O   | O    |
|                                  | 10K            | 200A           | -              | -              | O   | O    |
|                                  | 10K            | 250A           | -              | -              | O   | -    |
|                                  | 10K            | 300A           | -              | -              | O   | -    |
|                                  | 20K            | 32A            | -              | -              | O   | -    |
|                                  | 20K            | 65A            | -              | -              | O   | -    |
|                                  | 20K            | 100A           | -              | -              | O   | -    |
|                                  | 20K            | 150A           | -              | -              | O   | -    |
| Stainless Steel<br>FLANGE SOP-RF | 5K             | 20A            | -              | -              | O   | -    |
|                                  | 5K             | 32A            | -              | -              | O   | -    |
|                                  | 5K             | 40A            | -              | -              | O   | -    |
|                                  | 5K             | 65A            | -              | -              | O   | -    |
|                                  | 5K             | 100A           | -              | -              | O   | -    |
|                                  | 5K             | 125A           | -              | -              | O   | -    |
|                                  | 5K             | 150A           | -              | -              | O   | -    |
|                                  | 5K             | 200A           | -              | -              | O   | -    |
|                                  | 5K             | 300A           | -              | -              | O   | -    |
|                                  | 10K            | 15A            | -              | -              | O   | O    |
|                                  | 10K            | 20A            | -              | -              | O   | O    |
|                                  | 10K            | 25A            | -              | -              | O   | O    |
|                                  | 10K            | 32A            | -              | -              | O   | O    |

| Material Grade                   | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|----------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>FLANGE SOP-RF | 10K            | 40A            | -              | -              | ○   | ○    |
|                                  | 10K            | 50A            | -              | -              | ○   | ○    |
|                                  | 10K            | 65A            | -              | -              | ○   | ○    |
|                                  | 10K            | 80A            | -              | -              | ○   | ○    |
|                                  | 10K            | 100A           | -              | -              | ○   | ○    |
|                                  | 10K            | 125A           | -              | -              | ○   | ○    |
|                                  | 10K            | 150A           | -              | -              | ○   | ○    |
|                                  | 10K            | 200A           | -              | -              | ○   | ○    |
|                                  | 10K            | 300A           | -              | -              | ○   | -    |
| Stainless Steel<br>FLANGE LJ-FF  | 10K            | 20A            | -              | -              | ○   | ○    |
|                                  | 10K            | 32A            | -              | -              | ○   | ○    |
|                                  | 10K            | 65A            | -              | -              | ○   | ○    |
|                                  | 10K            | 80A            | -              | -              | ○   | ○    |
|                                  | 10K            | 100A           | -              | -              | ○   | ○    |
|                                  | 20K            | 100A           | -              | -              | ○   | -    |
| Stainless Steel<br>FLANGE TR-FF  | 10K            | 20A            | -              | -              | ○   | ○    |
|                                  | 10K            | 40A            | -              | -              | ○   | ○    |
|                                  | 20K            | 40A            | -              | -              | ○   | -    |
| Stainless Steel<br>FLANGE BL-FF  | 5K             | 20A            | -              | -              | ○   | -    |
|                                  | 5K             | 25A            | -              | -              | ○   | -    |
|                                  | 5K             | 50A            | -              | -              | ○   | -    |
|                                  | 5K             | 125A           | -              | -              | ○   | -    |
|                                  | 5K             | 200A           | -              | -              | ○   | -    |
|                                  | 5K             | 250A           | -              | -              | ○   | -    |
|                                  | 10K            | 15A            | -              | -              | ○   | ○    |
|                                  | 10K            | 20A            | -              | -              | ○   | ○    |
|                                  | 10K            | 25A            | -              | -              | ○   | ○    |
|                                  | 10K            | 32A            | -              | -              | ○   | ○    |
|                                  | 10K            | 40A            | -              | -              | ○   | ○    |
|                                  | 10K            | 50A            | -              | -              | ○   | ○    |
|                                  | 10K            | 65A            | -              | -              | ○   | ○    |
|                                  | 10K            | 80A            | -              | -              | ○   | ○    |
|                                  | 10K            | 100A           | -              | -              | ○   | ○    |
|                                  | 10K            | 125A           | -              | -              | ○   | ○    |
|                                  | 10K            | 150A           | -              | -              | ○   | ○    |
|                                  | 10K            | 200A           | -              | -              | ○   | ○    |
|                                  | 10K            | 250A           | -              | -              | ○   | -    |
|                                  | 10K            | 300A           | -              | -              | ○   | -    |
|                                  | 20K            | 25A            | -              | -              | ○   | -    |
|                                  | 10K            | 25A            | -              | -              | ○   | ○    |
|                                  | 10K            | 40A            | -              | -              | ○   | ○    |
|                                  | 10K            | 50A            | -              | -              | ○   | ○    |
|                                  | 10K            | 65A            | -              | -              | ○   | ○    |
|                                  | 10K            | 80A            | -              | -              | ○   | ○    |
|                                  | 10K            | 100A           | -              | -              | ○   | ○    |

| Material Grade                       | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|--------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>FLANGE BL-RF      | 10K            | 150A           | -              | -              | ○   | ○    |
|                                      | 10K            | 200A           | -              | -              | ○   | ○    |
| Stainless Steel<br>90° ELBOWS (LONG) | 90°            | 15A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 15A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 15A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 20A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 20A            | 20S            | -              | ○   | ○    |
|                                      | 90°            | 20A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 25A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 25A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 25A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 32A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 32A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 32A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 40A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 40A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 40A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 50A            | 40S            | -              | ○   | ○    |
|                                      | 90°            | 50A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 50A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 65A            | 40S            | -              | ○   | -    |
|                                      | 90°            | 65A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 65A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 80A            | 10S            | -              | ○   | ○    |
|                                      | 90°            | 80A            | 20S            | -              | ○   | -    |
|                                      | 90°            | 80A            | 40S            | -              | ○   | -    |
|                                      | 90°            | 100A           | 10S            | -              | ○   | ○    |
|                                      | 90°            | 100A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 100A           | 10S            | -              | ○   | ○    |
|                                      | 90°            | 125A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 125A           | 10S            | -              | ○   | -    |
|                                      | 90°            | 125A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 150A           | 10S            | -              | ○   | -    |
|                                      | 90°            | 150A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 150A           | 10S            | -              | ○   | -    |
|                                      | 90°            | 200A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 200A           | 10S            | -              | ○   | -    |
|                                      | 90°            | 250A           | 20S            | -              | ○   | -    |
|                                      | 90°            | 250A           | 40S            | -              | -   | -    |
|                                      | 90°            | 300A           | 10S            | -              | ○   | -    |
|                                      | 90°            | 300A           | 20S            | -              | ○   | -    |
| Stainless Steel<br>45° ELBOWS (LONG) | 45°            | 15A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 15A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 15A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 20A            | 40S            | -              | ○   | -    |

| Material Grade                       | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|--------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>45° ELBOWS (LONG) | 45°            | 20A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 20A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 25A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 25A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 25A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 32A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 32A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 40A            | 20S            | -              | -   | -    |
|                                      | 45°            | 40A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 50A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 50A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 50A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 65A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 65A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 65A            | 40S            | -              | ○   | -    |
|                                      | 45°            | 80A            | 10S            | -              | ○   | -    |
|                                      | 45°            | 80A            | 20S            | -              | ○   | -    |
|                                      | 45°            | 100A           | 40S            | -              | ○   | -    |
|                                      | 45°            | 100A           | 10S            | -              | ○   | -    |
|                                      | 45°            | 100A           | 20S            | -              | ○   | -    |
|                                      | 45°            | 125A           | 40S            | -              | -   | -    |
|                                      | 45°            | 125A           | 10S            | -              | ○   | -    |
|                                      | 45°            | 150A           | 20S            | -              | ○   | -    |
|                                      | 45°            | 150A           | 40S            | -              | -   | -    |
|                                      | 45°            | 200A           | 10S            | -              | ○   | -    |
|                                      | 45°            | 200A           | 20S            | -              | ○   | -    |
|                                      | 45°            | 250A           | 10S            | -              | ○   | -    |
|                                      | 45°            | 250A           | 20S            | -              | ○   | -    |
|                                      | 45°            | 300A           | 10S            | -              | ○   | -    |
|                                      | 45°            | 300A           | 20S            | -              | ○   | -    |
| Stainless Steel<br>TEES              | 15A            | 15A            | 10S            | -              | ○   | ○    |
|                                      | 15A            | 15A            | 20S            | -              | ○   | -    |
|                                      | 15A            | 15A            | 40S            | -              | ○   | ○    |
|                                      | 20A            | 15A            | 10S            | -              | ○   | ○    |
|                                      | 20A            | 15A            | 20S            | -              | ○   | -    |
|                                      | 20A            | 15A            | 40S            | -              | ○   | ○    |
|                                      | 20A            | 20A            | 10S            | -              | ○   | ○    |
|                                      | 20A            | 20A            | 20S            | -              | ○   | -    |
|                                      | 20A            | 20A            | 40S            | -              | ○   | ○    |
|                                      | 25A            | 15A            | 10S            | -              | ○   | ○    |
|                                      | 25A            | 15A            | 20S            | -              | ○   | -    |
|                                      | 25A            | 15A            | 40S            | -              | ○   | ○    |
|                                      | 25A            | 20A            | 10S            | -              | ○   | ○    |
|                                      | 25A            | 20A            | 20S            | -              | ○   | -    |
|                                      | 25A            | 20A            | 40S            | -              | ○   | ○    |

| Material Grade          | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|-------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>TEES | 25A            | 25A            | 10S            | -              | ○   | ○    |
|                         | 25A            | 25A            | 20S            | -              | ○   | -    |
|                         | 25A            | 25A            | 40S            | -              | ○   | ○    |
|                         | 32A            | 20A            | 10S            | -              | ○   | ○    |
|                         | 32A            | 20A            | 40S            | -              | ○   | ○    |
|                         | 32A            | 25A            | 10S            | -              | ○   | ○    |
|                         | 32A            | 25A            | 40S            | -              | ○   | ○    |
|                         | 32A            | 32A            | 10S            | -              | ○   | ○    |
|                         | 32A            | 32A            | 20S            | -              | ○   | -    |
|                         | 32A            | 32A            | 40S            | -              | ○   | ○    |
|                         | 40A            | 15A            | 10S            | -              | ○   | ○    |
|                         | 40A            | 20A            | 10S            | -              | ○   | ○    |
|                         | 40A            | 25A            | 10S            | -              | ○   | ○    |
|                         | 40A            | 25A            | 40S            | -              | ○   | ○    |
|                         | 40A            | 32A            | 10S            | -              | ○   | ○    |
|                         | 40A            | 32A            | 40S            | -              | ○   | ○    |
|                         | 40A            | 40A            | 10S            | -              | ○   | ○    |
|                         | 40A            | 40A            | 40S            | -              | ○   | ○    |
|                         | 50A            | 15A            | 10S            | -              | ○   | -    |
|                         | 50A            | 20A            | 10S            | -              | -   | ○    |
|                         | 50A            | 25A            | 10S            | -              | -   | ○    |
|                         | 50A            | 32A            | 10S            | -              | ○   | ○    |
|                         | 50A            | 32A            | 20S            | -              | ○   | -    |
|                         | 50A            | 32A            | 40S            | -              | ○   | ○    |
|                         | 50A            | 40A            | 10S            | -              | ○   | ○    |
|                         | 50A            | 40A            | 20S            | -              | ○   | -    |
|                         | 50A            | 40A            | 40S            | -              | ○   | ○    |
|                         | 50A            | 50A            | 10S            | -              | ○   | ○    |
|                         | 50A            | 50A            | 20S            | -              | ○   | -    |
|                         | 50A            | 50A            | 40S            | -              | ○   | ○    |
|                         | 65A            | 32A            | 10S            | -              | -   | ○    |
|                         | 65A            | 40A            | 10S            | -              | ○   | ○    |
|                         | 65A            | 40A            | 20S            | -              | ○   | -    |
|                         | 65A            | 40A            | 40S            | -              | ○   | -    |
|                         | 65A            | 50A            | 10S            | -              | ○   | ○    |
|                         | 65A            | 50A            | 20S            | -              | ○   | -    |
|                         | 65A            | 50A            | 40S            | -              | ○   | -    |
|                         | 65A            | 65A            | 10S            | -              | ○   | ○    |
|                         | 65A            | 65A            | 20S            | -              | ○   | -    |
|                         | 65A            | 65A            | 40S            | -              | ○   | -    |
|                         | 80A            | 40A            | 10S            | -              | ○   | -    |
|                         | 80A            | 40A            | 20S            | -              | ○   | -    |
|                         | 80A            | 50A            | 10S            | -              | ○   | ○    |
|                         | 80A            | 50A            | 20S            | -              | ○   | -    |
|                         | 80A            | 65A            | 10S            | -              | ○   | ○    |

| Material Grade          | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|-------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>TEES | 80A            | 65A            | 20S            | -              | ○   | -    |
|                         | 80A            | 80A            | 10S            | -              | ○   | ○    |
|                         | 80A            | 80A            | 20S            | -              | ○   | -    |
|                         | 100A           | 40A            | 10S            | -              | -   | ○    |
|                         | 100A           | 50A            | 10S            | -              | ○   | ○    |
|                         | 100A           | 65A            | 10S            | -              | ○   | ○    |
|                         | 100A           | 65A            | 20S            | -              | ○   | -    |
|                         | 100A           | 65A            | 40S            | -              | ○   | -    |
|                         | 100A           | 80A            | 10S            | -              | ○   | ○    |
|                         | 100A           | 80A            | 20S            | -              | ○   | -    |
|                         | 100A           | 80A            | 40S            | -              | ○   | -    |
|                         | 100A           | 100A           | 10S            | -              | ○   | ○    |
|                         | 100A           | 100A           | 20S            | -              | ○   | -    |
|                         | 100A           | 100A           | 40S            | -              | ○   | -    |
|                         | 125A           | 65A            | 40S            | -              | ○   | -    |
|                         | 125A           | 80A            | 10S            | -              | ○   | -    |
|                         | 125A           | 80A            | 20S            | -              | ○   | -    |
|                         | 125A           | 100A           | 10S            | -              | ○   | -    |
|                         | 125A           | 100A           | 20S            | -              | ○   | -    |
|                         | 125A           | 125A           | 10S            | -              | ○   | -    |
|                         | 125A           | 125A           | 20S            | -              | ○   | -    |
|                         | 150A           | 100A           | 10S            | -              | ○   | -    |
|                         | 150A           | 100A           | 20S            | -              | ○   | -    |
|                         | 150A           | 100A           | 40S            | -              | ○   | -    |
|                         | 150A           | 125A           | 10S            | -              | ○   | -    |
|                         | 150A           | 125A           | 20S            | -              | ○   | -    |
|                         | 150A           | 150A           | 10S            | -              | ○   | -    |
|                         | 150A           | 150A           | 20S            | -              | ○   | -    |
|                         | 200A           | 100A           | 10S            | -              | ○   | -    |
|                         | 200A           | 125A           | 10S            | -              | ○   | -    |
|                         | 200A           | 125A           | 20S            | -              | ○   | -    |
|                         | 200A           | 150A           | 10S            | -              | ○   | -    |
|                         | 200A           | 150A           | 20S            | -              | ○   | -    |
|                         | 200A           | 200A           | 10S            | -              | ○   | -    |
|                         | 200A           | 200A           | 20S            | -              | ○   | -    |
|                         | 250A           | 150A           | 10S            | -              | ○   | -    |
|                         | 250A           | 150A           | 20S            | -              | ○   | -    |
|                         | 250A           | 200A           | 10S            | -              | ○   | -    |
|                         | 250A           | 200A           | 20S            | -              | ○   | -    |
|                         | 250A           | 250A           | 10S            | -              | ○   | -    |
|                         | 250A           | 250A           | 20S            | -              | ○   | -    |
|                         | 300A           | 200A           | 10S            | -              | ○   | -    |
|                         | 300A           | 200A           | 20S            | -              | ○   | -    |
|                         | 300A           | 250A           | 10S            | -              | ○   | -    |
|                         | 300A           | 250A           | 20S            | -              | ○   | -    |



| Material Grade                          | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|-----------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>TEES                 | 300A           | 300A           | 10S            | -              | O   | -    |
|                                         | 300A           | 300A           | 20S            | -              | O   | -    |
| Stainless Steel<br>REDUCER (Concentric) | 20A            | 15A            | 10S            | -              | O   | O    |
|                                         | 20A            | 15A            | 20S            | -              | O   | -    |
|                                         | 20A            | 15A            | 40S            | -              | O   | O    |
|                                         | 25A            | 15A            | 10S            | -              | O   | O    |
|                                         | 25A            | 15A            | 20S            | -              | O   | -    |
|                                         | 25A            | 15A            | 40S            | -              | O   | O    |
|                                         | 25A            | 20A            | 10S            | -              | O   | O    |
|                                         | 25A            | 20A            | 20S            | -              | O   | -    |
|                                         | 25A            | 20A            | 40S            | -              | O   | O    |
|                                         | 32A            | 20A            | 10S            | -              | O   | O    |
|                                         | 32A            | 20A            | 40S            | -              | O   | O    |
|                                         | 32A            | 25A            | 10S            | -              | O   | O    |
|                                         | 32A            | 25A            | 40S            | -              | O   | O    |
|                                         | 40A            | 15A            | 10S            | -              | O   | O    |
|                                         | 40A            | 15A            | 40S            | -              | -   | O    |
|                                         | 40A            | 20A            | 10S            | -              | O   | O    |
|                                         | 40A            | 20A            | 20S            | -              | O   | -    |
|                                         | 40A            | 20A            | 40S            | -              | -   | O    |
|                                         | 40A            | 25A            | 10S            | -              | O   | O    |
|                                         | 40A            | 25A            | 40S            | -              | O   | O    |
|                                         | 40A            | 32A            | 10S            | -              | O   | O    |
|                                         | 40A            | 32A            | 40S            | -              | O   | O    |
|                                         | 50A            | 20A            | 10S            | -              | O   | O    |
|                                         | 50A            | 20A            | 40S            | -              | -   | O    |
|                                         | 50A            | 25A            | 10S            | -              | O   | O    |
|                                         | 50A            | 25A            | 40S            | -              | -   | O    |
|                                         | 50A            | 32A            | 10S            | -              | O   | O    |
|                                         | 50A            | 32A            | 20S            | -              | O   | -    |
|                                         | 50A            | 32A            | 40S            | -              | O   | O    |
|                                         | 50A            | 40A            | 10S            | -              | O   | O    |
|                                         | 50A            | 40A            | 20S            | -              | O   | -    |
|                                         | 50A            | 40A            | 40S            | -              | O   | O    |
|                                         | 65A            | 25A            | 40S            | -              | O   | -    |
|                                         | 65A            | 40A            | 10S            | -              | O   | O    |
|                                         | 65A            | 40A            | 20S            | -              | O   | -    |
|                                         | 65A            | 40A            | 40S            | -              | O   | -    |
|                                         | 65A            | 50A            | 10S            | -              | O   | O    |
|                                         | 65A            | 50A            | 20S            | -              | O   | -    |
|                                         | 65A            | 50A            | 40S            | -              | O   | -    |
|                                         | 80A            | 40A            | 10S            | -              | O   | O    |
|                                         | 80A            | 40A            | 20S            | -              | O   | -    |
|                                         | 80A            | 50A            | 10S            | -              | O   | O    |
|                                         | 80A            | 50A            | 20S            | -              | O   | -    |

| Material Grade                          | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|-----------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>REDUCER (Concentric) | 80A            | 65A            | 10S            | -              | ○   | ○    |
|                                         | 80A            | 65A            | 20S            | -              | ○   | -    |
|                                         | 100A           | 40A            | 10S            | -              | -   | ○    |
|                                         | 100A           | 50A            | 10S            | -              | ○   | ○    |
|                                         | 100A           | 50A            | 20S            | -              | ○   | -    |
|                                         | 100A           | 65A            | 10S            | -              | ○   | ○    |
|                                         | 100A           | 65A            | 20S            | -              | ○   | -    |
|                                         | 100A           | 65A            | 40S            | -              | ○   | -    |
|                                         | 100A           | 80A            | 10S            | -              | ○   | ○    |
|                                         | 100A           | 80A            | 20S            | -              | ○   | -    |
|                                         | 100A           | 80A            | 40S            | -              | ○   | -    |
|                                         | 125A           | 65A            | 10S            | -              | ○   | -    |
|                                         | 125A           | 65A            | 40S            | -              | ○   | -    |
|                                         | 125A           | 80A            | 10S            | -              | ○   | -    |
|                                         | 125A           | 80A            | 20S            | -              | ○   | -    |
|                                         | 125A           | 100A           | 10S            | -              | ○   | -    |
|                                         | 125A           | 100A           | 20S            | -              | ○   | -    |
|                                         | 150A           | 80A            | 20S            | -              | ○   | -    |
|                                         | 150A           | 100A           | 10S            | -              | ○   | -    |
|                                         | 150A           | 100A           | 20S            | -              | ○   | -    |
|                                         | 150A           | 125A           | 10S            | -              | ○   | -    |
|                                         | 150A           | 125A           | 20S            | -              | ○   | -    |
|                                         | 200A           | 100A           | 10S            | -              | ○   | -    |
|                                         | 200A           | 125A           | 10S            | -              | ○   | -    |
|                                         | 200A           | 125A           | 20S            | -              | ○   | -    |
|                                         | 200A           | 150A           | 10S            | -              | ○   | -    |
|                                         | 200A           | 150A           | 20S            | -              | ○   | -    |
|                                         | 250A           | 150A           | 10S            | -              | ○   | -    |
|                                         | 250A           | 150A           | 20S            | -              | ○   | -    |
|                                         | 250A           | 200A           | 10S            | -              | ○   | -    |
|                                         | 250A           | 200A           | 20S            | -              | ○   | -    |
|                                         | 300A           | 200A           | 10S            | -              | ○   | -    |
|                                         | 300A           | 200A           | 20S            | -              | ○   | -    |
|                                         | 300A           | 250A           | 10S            | -              | ○   | -    |
|                                         | 300A           | 250A           | 20S            | -              | ○   | -    |
|                                         | 400A           | 300A           | 10S            | -              | ○   | -    |
| Stainless Steel<br>REDUCER (Eccentric)  | 20A            | 15A            | 10S            | -              | ○   | ○    |
|                                         | 20A            | 15A            | 20S            | -              | ○   | -    |
|                                         | 20A            | 15A            | 40S            | -              | ○   | ○    |
|                                         | 25A            | 15A            | 10S            | -              | ○   | ○    |
|                                         | 25A            | 15A            | 20S            | -              | ○   | -    |
|                                         | 25A            | 15A            | 40S            | -              | ○   | ○    |
|                                         | 25A            | 20A            | 10S            | -              | ○   | ○    |
|                                         | 25A            | 20A            | 20S            | -              | ○   | -    |
|                                         | 25A            | 20A            | 40S            | -              | ○   | ○    |
|                                         | 25A            | 20A            | 40S            | -              | ○   | ○    |

| Material Grade                         | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|----------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>REDUCER (Eccentric) | 32A            | 20A            | 10S            | -              | O   | O    |
|                                        | 32A            | 20A            | 40S            | -              | O   | O    |
|                                        | 32A            | 25A            | 10S            | -              | O   | O    |
|                                        | 32A            | 25A            | 40S            | -              | O   | O    |
|                                        | 40A            | 20A            | 10S            | -              | O   | O    |
|                                        | 40A            | 25A            | 10S            | -              | O   | O    |
|                                        | 40A            | 25A            | 40S            | -              | O   | O    |
|                                        | 40A            | 32A            | 10S            | -              | O   | O    |
|                                        | 40A            | 32A            | 40S            | -              | O   | O    |
|                                        | 50A            | 20A            | 10S            | -              | O   | O    |
|                                        | 50A            | 25A            | 10S            | -              | O   | O    |
|                                        | 50A            | 32A            | 10S            | -              | O   | O    |
|                                        | 50A            | 32A            | 20S            | -              | O   | -    |
|                                        | 50A            | 32A            | 40S            | -              | O   | O    |
|                                        | 50A            | 40A            | 10S            | -              | O   | O    |
|                                        | 50A            | 40A            | 20S            | -              | O   | -    |
|                                        | 50A            | 40A            | 40S            | -              | O   | O    |
|                                        | 65A            | 40A            | 10S            | -              | O   | O    |
|                                        | 65A            | 40A            | 20S            | -              | O   | -    |
|                                        | 65A            | 40A            | 40S            | -              | O   | -    |
|                                        | 65A            | 50A            | 10S            | -              | O   | O    |
|                                        | 65A            | 50A            | 20S            | -              | O   | -    |
|                                        | 65A            | 50A            | 40S            | -              | O   | -    |
|                                        | 80A            | 40A            | 10S            | -              | O   | O    |
|                                        | 80A            | 40A            | 20S            | -              | O   | -    |
|                                        | 80A            | 50A            | 10S            | -              | O   | O    |
|                                        | 80A            | 50A            | 20S            | -              | O   | -    |
|                                        | 80A            | 65A            | 10S            | -              | O   | O    |
|                                        | 80A            | 65A            | 20S            | -              | O   | -    |
|                                        | 100A           | 50A            | 10S            | -              | O   | O    |
|                                        | 100A           | 65A            | 10S            | -              | O   | O    |
|                                        | 100A           | 65A            | 20S            | -              | O   | -    |
|                                        | 100A           | 65A            | 40S            | -              | O   | -    |
|                                        | 100A           | 80A            | 10S            | -              | O   | O    |
|                                        | 100A           | 80A            | 20S            | -              | O   | -    |
|                                        | 100A           | 80A            | 40S            | -              | O   | -    |
|                                        | 125A           | 80A            | 10S            | -              | O   | -    |
|                                        | 125A           | 80A            | 20S            | -              | O   | -    |
|                                        | 125A           | 100A           | 10S            | -              | O   | -    |
|                                        | 125A           | 100A           | 20S            | -              | O   | -    |
|                                        | 150A           | 100A           | 10S            | -              | O   | -    |
|                                        | 150A           | 100A           | 20S            | -              | O   | -    |
|                                        | 150A           | 125A           | 10S            | -              | O   | -    |
|                                        | 150A           | 125A           | 20S            | -              | O   | -    |
|                                        | 200A           | 100A           | 10S            | -              | O   | -    |

| Material Grade                         | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|----------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>REDUCER (Eccentric) | 200A           | 125A           | 10S            | -              | O   | -    |
|                                        | 200A           | 125A           | 20S            | -              | O   | -    |
|                                        | 200A           | 150A           | 10S            | -              | O   | -    |
|                                        | 200A           | 150A           | 20S            | -              | O   | -    |
|                                        | 250A           | 150A           | 10S            | -              | O   | -    |
|                                        | 250A           | 150A           | 20S            | -              | O   | -    |
|                                        | 250A           | 200A           | 10S            | -              | O   | -    |
|                                        | 250A           | 200A           | 20S            | -              | O   | -    |
|                                        | 300A           | 200A           | 10S            | -              | O   | -    |
|                                        | 300A           | 200A           | 20S            | -              | O   | -    |
|                                        | 300A           | 250A           | 10S            | -              | O   | -    |
|                                        | 300A           | 250A           | 20S            | -              | O   | -    |
| Stainless Steel<br>LAP JOINT           | 15A            | 10S            | 10K            | -              | O   | -    |
|                                        | 15A            | 40S            | 10K            | -              | O   | -    |
|                                        | 20A            | 10S            | 10K            | -              | O   | -    |
|                                        | 20A            | 20S            | 10K            | -              | O   | -    |
|                                        | 20A            | 40S            | 10K            | -              | O   | -    |
|                                        | 25A            | 10S            | 10K            | -              | O   | -    |
|                                        | 25A            | 20S            | 10K            | -              | O   | -    |
|                                        | 25A            | 40S            | 10K            | -              | O   | -    |
|                                        | 32A            | 10S            | 10K            | -              | O   | -    |
|                                        | 32A            | 40S            | 10K            | -              | O   | -    |
|                                        | 40A            | 10S            | 10K            | -              | O   | -    |
|                                        | 40A            | 40S            | 10K            | -              | O   | -    |
|                                        | 50A            | 10S            | 10K            | -              | O   | -    |
|                                        | 50A            | 20S            | 10K            | -              | O   | -    |
|                                        | 50A            | 40S            | 10K            | -              | O   | -    |
|                                        | 65A            | 10S            | 10K            | -              | O   | -    |
|                                        | 65A            | 20S            | 10K            | -              | O   | -    |
|                                        | 65A            | 40S            | 10K            | -              | O   | -    |
|                                        | 80A            | 10S            | 5K             | -              | O   | -    |
|                                        | 80A            | 10S            | 10K            | -              | O   | -    |
|                                        | 80A            | 20S            | 10K            | -              | O   | -    |
|                                        | 100A           | 10S            | 10K            | -              | O   | -    |
|                                        | 100A           | 20S            | 10K            | -              | O   | -    |
|                                        | 100A           | 40S            | 10K            | -              | O   | -    |
|                                        | 125A           | 10S            | 5K             | -              | O   | -    |
|                                        | 125A           | 10S            | 10K            | -              | O   | -    |
|                                        | 125A           | 20S            | 10K            | -              | O   | -    |
|                                        | 150A           | 10S            | 5K             | -              | O   | -    |
|                                        | 150A           | 10S            | 10K            | -              | O   | -    |
|                                        | 150A           | 20S            | 10K            | -              | O   | -    |
|                                        | 200A           | 10S            | 10K            | -              | O   | -    |
|                                        | 200A           | 20S            | 10K            | -              | O   | -    |
| Stainless Steel CAP                    | 200A           | 10S            | -              | -              | O   | -    |

| Material Grade                             | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|--------------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel<br>Threaded 90° ELBOW      | -              | 10A            | -              | -              | O   | -    |
|                                            | -              | 15A            | -              | -              | O   | -    |
|                                            | -              | 20A            | -              | -              | O   | -    |
|                                            | -              | 32A            | -              | -              | O   | -    |
|                                            | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded 45° ELBOW      | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded TEE            | -              | 10A            | -              | -              | O   | -    |
|                                            | -              | 15A            | -              | -              | O   | -    |
|                                            | -              | 20A            | -              | -              | O   | -    |
|                                            | -              | 25A            | -              | -              | O   | -    |
|                                            | -              | 32A            | -              | -              | O   | -    |
|                                            | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded UNION          | -              | 10A            | -              | -              | O   | -    |
|                                            | -              | 15A            | -              | -              | O   | -    |
|                                            | -              | 20A            | -              | -              | O   | -    |
|                                            | -              | 25A            | -              | -              | O   | -    |
|                                            | -              | 32A            | -              | -              | O   | -    |
|                                            | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded OS NIPPLE      | -              | 15A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded LONG NIPPLE    | -              | 10A            | -              | 200L           | O   | -    |
|                                            | -              | 15A            | -              | 200L           | O   | -    |
|                                            | -              | 20A            | -              | 200L           | O   | -    |
|                                            | -              | 25A            | -              | 200L           | O   | -    |
|                                            | -              | 32A            | -              | 200L           | O   | -    |
|                                            | -              | 40A            | -              | 200L           | O   | -    |
| Stainless Steel<br>Threaded OS LONG NIPPLE | -              | 40A            | -              | 50L            | O   | -    |
|                                            | -              | 40A            | -              | 130L           | O   | -    |
|                                            | -              | 50A            | -              | 100L           | O   | -    |
| Stainless Steel<br>Threaded HEX NIPPLE     | -              | 10A            | -              | -              | O   | -    |
|                                            | -              | 15A            | -              | -              | O   | -    |
|                                            | -              | 20A            | -              | -              | O   | -    |
|                                            | -              | 25A            | -              | -              | O   | -    |
|                                            | -              | 32A            | -              | -              | O   | -    |
|                                            | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded HEX RC NIPPLE  | 10A            | 15A            | 10A            | -              | O   | -    |
|                                            | 15A            | 20A            | 15A            | -              | O   | -    |
|                                            | 20A            | 25A            | 20A            | -              | O   | -    |
| Stainless Steel<br>Threaded PLUG           | -              | 8A             | -              | -              | O   | -    |
|                                            | -              | 10A            | -              | -              | O   | -    |
|                                            | -              | 15A            | -              | -              | O   | -    |
|                                            | -              | 20A            | -              | -              | O   | -    |
|                                            | -              | 25A            | -              | -              | O   | -    |

| Material Grade                          | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|-----------------------------------------|----------------|----------------|----------------|----------------|-----|------|
| Stainless Steel Threaded PLUG           | -              | 32A            | -              | -              | O   | -    |
|                                         | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded S.SOCKET    | -              | 8A             | -              | -              | O   | -    |
|                                         | -              | 10A            | -              | -              | O   | -    |
|                                         | -              | 15A            | -              | -              | O   | -    |
|                                         | -              | 20A            | -              | -              | O   | -    |
|                                         | -              | 25A            | -              | -              | O   | -    |
|                                         | -              | 32A            | -              | -              | O   | -    |
|                                         | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded T.SOCKET    | -              | 10A            | -              | -              | O   | -    |
|                                         | -              | 15A            | -              | -              | O   | -    |
|                                         | -              | 20A            | -              | -              | O   | -    |
|                                         | -              | 25A            | -              | -              | O   | -    |
|                                         | -              | 32A            | -              | -              | O   | -    |
|                                         | -              | 40A            | -              | -              | O   | -    |
| Stainless Steel<br>Threaded HALF SOCKET | -              | 20A            | -              | 21L            | O   | -    |
| Stainless Steel<br>Threaded BUSHING     | -              | 15A            | 10A            | -              | O   | -    |
|                                         | -              | 20A            | 10A            | -              | O   | -    |
|                                         | -              | 20A            | 15A            | -              | O   | -    |
|                                         | -              | 25A            | 10A            | -              | O   | -    |
|                                         | -              | 25A            | 15A            | -              | O   | -    |
|                                         | -              | 25A            | 20A            | -              | O   | -    |
|                                         | -              | 32A            | 15A            | -              | O   | -    |
|                                         | -              | 32A            | 25A            | -              | O   | -    |
|                                         | -              | 40A            | 15A            | -              | O   | -    |
|                                         | -              | 40A            | 25A            | -              | O   | -    |
|                                         | -              | 40A            | 32A            | -              | O   | -    |
| Stainless Steel<br>Threaded CAP         | -              | 10A            | -              | -              | O   | -    |
|                                         | -              | 20A            | -              | -              | O   | -    |
|                                         | -              | 25A            | -              | -              | O   | -    |
|                                         | -              | 32A            | -              | -              | O   | -    |
| NICE JOINT FITTING<br>(NJ90E)           | -              | 13SU           | -              | -              | -   | -    |
|                                         | -              | 20SU           | -              | -              | -   | -    |
|                                         | -              | 25SU           | -              | -              | -   | -    |
|                                         | -              | 30SU           | -              | -              | -   | -    |
|                                         | -              | 40SU           | -              | -              | -   | -    |
|                                         | -              | 50SU           | -              | -              | -   | -    |
|                                         | -              | 60SU           | -              | -              | -   | -    |
| NICE JOINT FITTING<br>(NJ45E)           | -              | 20SU           | -              | -              | -   | -    |
|                                         | -              | 25SU           | -              | -              | -   | -    |
| NICE JOINT FITTING<br>(NJT)             | -              | 13SU           | -              | -              | -   | -    |
|                                         | -              | 20SU           | -              | -              | -   | -    |
|                                         | -              | 25SU           | -              | -              | -   | -    |
|                                         | -              | 30SU           | -              | -              | -   | -    |

| Material Grade               | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|------------------------------|----------------|----------------|----------------|----------------|-----|------|
| NICE JOINT FITTING<br>(NJT)  | -              | 40SU           | -              | -              | -   | -    |
|                              | -              | 50SU           | -              | -              | -   | -    |
|                              | -              | 60SU           | -              | -              | -   | -    |
| NICE JOINT FITTING<br>(NJRT) | -              | 13SU           | 13SU           | -              | -   | -    |
|                              | -              | 20SU           | 13SU           | -              | -   | -    |
|                              | -              | 25SU           | 20SU           | -              | -   | -    |
|                              | -              | 30SU           | 13SU           | -              | -   | -    |
|                              | -              | 40SU           | 20SU           | -              | -   | -    |
|                              | -              | 50SU           | 25SU           | -              | -   | -    |
|                              | -              | 60SU           | 13SU           | -              | -   | -    |
|                              | -              | 13SU           | 20SU           | -              | -   | -    |
|                              | -              | 20SU           | 25SU           | -              | -   | -    |
|                              | -              | 25SU           | 30SU           | -              | -   | -    |
|                              | -              | 30SU           | 20SU           | -              | -   | -    |
|                              | -              | 40SU           | 25SU           | -              | -   | -    |
|                              | -              | 50SU           | 30SU           | -              | -   | -    |
|                              | -              | 60SU           | 40SU           | -              | -   | -    |
|                              | -              | 13SU           | 20SU           | -              | -   | -    |
|                              | -              | 20SU           | 25SU           | -              | -   | -    |
|                              | -              | 25SU           | 30SU           | -              | -   | -    |
|                              | -              | 30SU           | 40SU           | -              | -   | -    |
|                              | -              | 40SU           | 50SU           | -              | -   | -    |
| NICE JOINT FITTING<br>(NJS)  | -              | 50SU           | -              | -              | -   | -    |
|                              | -              | 60SU           | -              | -              | -   | -    |
|                              | -              | 20SU           | -              | -              | -   | -    |
|                              | -              | 25SU           | -              | -              | -   | -    |
|                              | -              | 25SU           | -              | -              | -   | -    |
|                              | -              | 30SU           | -              | -              | -   | -    |
|                              | -              | 30SU           | -              | -              | -   | -    |
| NICE JOINT FITTING (NJRS)    | -              | 30SU           | 13SU           | -              | -   | -    |
|                              | -              | 40SU           | 13SU           | -              | -   | -    |
|                              | -              | 40SU           | 20SU           | -              | -   | -    |
|                              | -              | 40SU           | 13SU           | -              | -   | -    |
|                              | -              | 40SU           | 20SU           | -              | -   | -    |
|                              | -              | 50SU           | 25SU           | -              | -   | -    |
|                              | -              | 50SU           | 13SU           | -              | -   | -    |
|                              | -              | 50SU           | 20SU           | -              | -   | -    |
|                              | -              | 50SU           | 25SU           | -              | -   | -    |
|                              | -              | 60SU           | 30SU           | -              | -   | -    |
|                              | -              | 60SU           | 20SU           | -              | -   | -    |
|                              | -              | 60SU           | 25SU           | -              | -   | -    |
|                              | -              | 60SU           | 30SU           | -              | -   | -    |
|                              | -              | 60SU           | 40SU           | -              | -   | -    |
|                              | -              | 13SU           | 20SU           | -              | -   | -    |
|                              | -              | 20SU           | 25SU           | -              | -   | -    |



| Material Grade               | Size 1<br>(mm) | Size 2<br>(mm) | Size 3<br>(mm) | Size 4<br>(mm) | 304 | 316L |
|------------------------------|----------------|----------------|----------------|----------------|-----|------|
| NICE JOINT FITTING<br>(NJRS) | -              | 25SU           | 30SU           | -              | -   | -    |
|                              | -              | 30SU           | 40SU           | -              | -   | -    |
|                              | -              | 40SU           | 50SU           | -              | -   | -    |
| NICE JOINT FITTING<br>(NJMA) | -              | 50SU           | 15SU           | -              | -   | -    |
|                              | -              | 60SU           | 20SU           | -              | -   | -    |
|                              | -              | 20SU           | 25SU           | -              | -   | -    |
|                              | -              | 25SU           | 32SU           | -              | -   | -    |
|                              | -              | 25SU           | 40SU           | -              | -   | -    |
|                              | -              | 30SU           | 50SU           | -              | -   | -    |
|                              | -              | 30SU           | 65SU           | -              | -   | -    |
| NICE JOINT FITTING<br>(NJFA) | -              | 30SU           | 15SU           | -              | -   | -    |
|                              | -              | 40SU           | 20SU           | -              | -   | -    |
|                              | -              | 40SU           | 25SU           | -              | -   | -    |
|                              | -              | 40SU           | 32SU           | -              | -   | -    |
|                              | -              | 40SU           | 40SU           | -              | -   | -    |
|                              | -              | 50SU           | 50SU           | -              | -   | -    |
|                              | -              | 50SU           | 65SU           | -              | -   | -    |
| NICE JOINT FITTING<br>(NJFM) | -              | 50SU           | 15SU           | -              | -   | -    |
|                              | -              | 50SU           | 20SU           | -              | -   | -    |
|                              | -              | 60SU           | 25SU           | -              | -   | -    |
|                              | -              | 60SU           | 32SU           | -              | -   | -    |
|                              | -              | 60SU           | 40SU           | -              | -   | -    |
|                              | -              | 60SU           | 50SU           | -              | -   | -    |
|                              | -              | 60SU           | 65SU           | -              | -   | -    |

# THREAD FITTING

| Elbows JIS SUS304                                                                 | Item       | Diameter (mm) |
|-----------------------------------------------------------------------------------|------------|---------------|
|  | Elbows 90° | 10A           |
|                                                                                   |            | 15A           |
|                                                                                   |            | 20A           |
|                                                                                   |            | 25A           |
|                                                                                   |            | 32A           |
|                                                                                   |            | 40A           |
|                                                                                   | Elbows 45° | 40A           |
|                                                                                   |            | 50A           |

| Tees JIS SUS304                                                                    | Diameter (mm) |
|------------------------------------------------------------------------------------|---------------|
|  | 10A           |
|                                                                                    | 15A           |
|                                                                                    | 20A           |
|                                                                                    | 25A           |
|                                                                                    | 32A           |
|                                                                                    | 40A           |
|                                                                                    | 50A           |

| UNION JIS SUS304                                                                   | Diameter (mm) |
|------------------------------------------------------------------------------------|---------------|
|  | 10A           |
|                                                                                    | 15A           |
|                                                                                    | 20A           |
|                                                                                    | 25A           |
|                                                                                    | 32A           |
|                                                                                    | 40A           |

| ONE SIDE NIPPLE JIS SUS304                                                          | Diameter (mm) |
|-------------------------------------------------------------------------------------|---------------|
|  | 15A           |

| LONG NIPPLE JIS SUS304                                                              | Diameter 1 (mm) | Diameter 2 (mm) |
|-------------------------------------------------------------------------------------|-----------------|-----------------|
|  | 10A             | 200             |
|                                                                                     | 15A             |                 |
|                                                                                     | 20A             |                 |
|                                                                                     | 25A             |                 |
|                                                                                     | 32A             |                 |
|                                                                                     | 40A             |                 |
|                                                                                     | 50A             |                 |

| ONE SIDE LONG NIPPLE JIS SUS304                                                      | Diameter 1 (mm) | Diameter 2 (mm) |
|--------------------------------------------------------------------------------------|-----------------|-----------------|
|  | 40A             | 50              |
|                                                                                      |                 | 130             |
|                                                                                      | 50A             | 100             |

| HEX NIPPLE 6N JIS SUS304                                                            | Diameter (mm) |
|-------------------------------------------------------------------------------------|---------------|
|  | 10A           |
|                                                                                     | 15A           |
|                                                                                     | 20A           |
|                                                                                     | 25A           |
|                                                                                     | 32A           |
|                                                                                     | 40A           |
|                                                                                     | 50A           |

| PLUG JIS SUS304                                                                      | Diameter (mm) |
|--------------------------------------------------------------------------------------|---------------|
|  | 8A            |
|                                                                                      | 10A           |
|                                                                                      | 15A           |
|                                                                                      | 20A           |
|                                                                                      | 25A           |
|                                                                                      | 32A           |
|                                                                                      | 40A           |

| SOCKET STRAIGHT<br>JIS SUS304                                                     | Diameter<br>(mm) | SOCKET TAPER<br>JIS SUS304                                                          | Diameter<br>(mm) |
|-----------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|------------------|
|  | 10A              |  | 10A              |
|                                                                                   | 15A              |                                                                                     | 15A              |
|                                                                                   | 20A              |                                                                                     | 20A              |
|                                                                                   | 25A              |                                                                                     | 25A              |
|                                                                                   | 32A              |                                                                                     | 32A              |
|                                                                                   | 40A              |                                                                                     | 40A              |

| HEX REDUCING NIPPLE 6N<br>JIS SUS304                                               | Diameter 1<br>(mm) | Diameter 2<br>(mm) |
|------------------------------------------------------------------------------------|--------------------|--------------------|
|  | 15A                | 10A                |
|                                                                                    | 20A                | 15A                |
|                                                                                    | 25A                | 20A                |

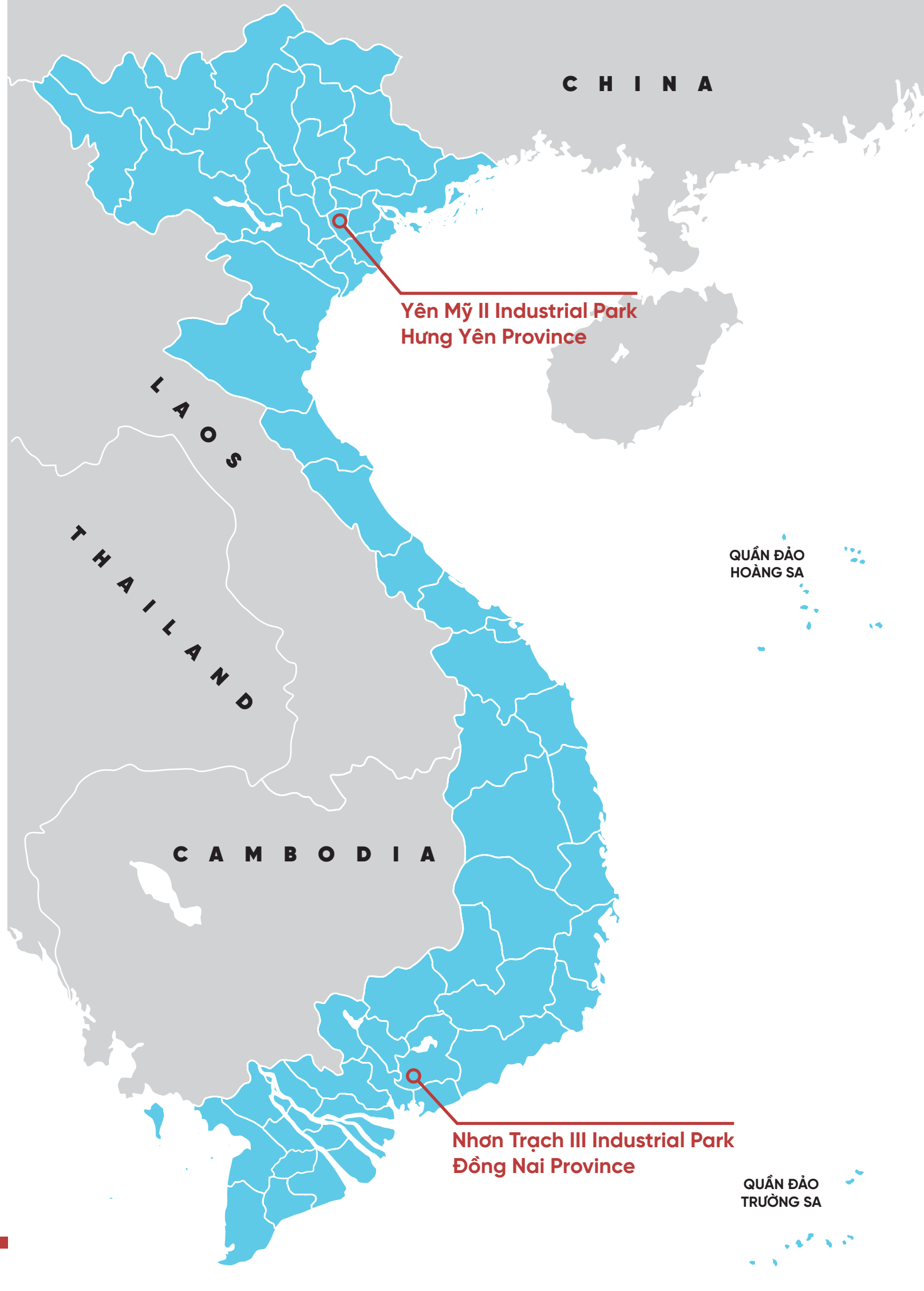
| BUSHING JIS SUS304                                                                  | Diameter 1<br>(mm) | Diameter 2<br>(mm) |
|-------------------------------------------------------------------------------------|--------------------|--------------------|
|  | 15A                | 10A                |
|                                                                                     | 20A                | 10A                |
|                                                                                     |                    | 15A                |
|                                                                                     | 25A                | 10A                |
|                                                                                     |                    | 15A                |
|                                                                                     |                    | 20A                |
|                                                                                     | 32A                | 15A                |
|                                                                                     |                    | 25A                |
|                                                                                     | 40A                | 15A                |
|                                                                                     |                    | 25A                |
|                                                                                     |                    | 32A                |

| CAP JIS SUS304                                                                      | Diameter<br>(mm) |
|-------------------------------------------------------------------------------------|------------------|
|  | 10A              |
|                                                                                     | 20A              |
|                                                                                     | 25A              |

# ON FITTING

|                                                                                                                                    |                  |                                                                                                                                       |                  |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <div>NJ90E JIS 90° ELBOW<br/>SUS304</div>         | Diameter<br>(mm) | <div>NJ45E 45° ELBOW<br/>JIS SUS304</div>           | Diameter<br>(mm) |
|                                                                                                                                    | 13SU             |                                                                                                                                       | 20SU             |
|                                                                                                                                    | 20SU             |                                                                                                                                       |                  |
|                                                                                                                                    | 25SU             |                                                                                                                                       |                  |
|                                                                                                                                    | 30SU             |                                                                                                                                       | 25SU             |
|                                                                                                                                    | 40SU             |                                                                                                                                       |                  |
|                                                                                                                                    | 50SU             |                                                                                                                                       |                  |
|                                                                                                                                    | 60SU             |                                                                                                                                       |                  |
| <div>NJT (TEES) JIS SUS304</div>                 | Diameter<br>(mm) | <div>NJS JIS SUS304</div>                          | Diameter<br>(mm) |
|                                                                                                                                    | 13SU             |                                                                                                                                       | 13SU             |
|                                                                                                                                    | 20SU             |                                                                                                                                       | 20SU             |
|                                                                                                                                    | 25SU             |                                                                                                                                       | 25SU             |
|                                                                                                                                    | 30SU             |                                                                                                                                       | 30SU             |
|                                                                                                                                    | 40SU             |                                                                                                                                       | 40SU             |
|                                                                                                                                    | 50SU             |                                                                                                                                       | 50SU             |
|                                                                                                                                    | 60SU             |                                                                                                                                       | 60SU             |
| <div>NJRT (REDUCING TEES)<br/>JIS SUS304</div>  | Diameter<br>(mm) | <div>NJRS (REDUCING<br/>SOCKET) JIS SUS304</div>  | Diameter<br>(mm) |
|                                                                                                                                    | 20SU x 13SU      |                                                                                                                                       | 20SU x 13SU      |
|                                                                                                                                    | 25SU x 13SU      |                                                                                                                                       | 25SU x 13SU      |
|                                                                                                                                    | 30SU x 13SU      |                                                                                                                                       | 30SU x 13SU      |
|                                                                                                                                    | 40SU x 13SU      |                                                                                                                                       | 40SU x 13SU      |
|                                                                                                                                    | 25SU x 20SU      |                                                                                                                                       | 25SU x 20SU      |
|                                                                                                                                    | 30SU x 20SU      |                                                                                                                                       | 30SU x 20SU      |
|                                                                                                                                    | 40SU x 20SU      |                                                                                                                                       | 40SU x 20SU      |
|                                                                                                                                    | 30SU x 25SU      |                                                                                                                                       | 30SU x 25SU      |
|                                                                                                                                    | 40SU x 25SU      |                                                                                                                                       | 40SU x 25SU      |
|                                                                                                                                    | 50SU x 25SU      |                                                                                                                                       | 50SU x 25SU      |
|                                                                                                                                    | 60SU x 25SU      |                                                                                                                                       | 60SU x 25SU      |
|                                                                                                                                    | 40SU x 30SU      |                                                                                                                                       | 40SU x 30SU      |
|                                                                                                                                    | 50SU x 30SU      |                                                                                                                                       | 50SU x 30SU      |
|                                                                                                                                    | 60SU x 30SU      |                                                                                                                                       | 60SU x 30SU      |
|                                                                                                                                    | 50SU x 40SU      |                                                                                                                                       | 50SU x 40SU      |
|                                                                                                                                    | 60SU x 40SU      |                                                                                                                                       | 60SU x 40SU      |
|                                                                                                                                    | 60SU x 50SU      |                                                                                                                                       | 60SU x 50SU      |

| NJMA (MALE ADAPTER)<br>JIS SUS304                                                  | Diameter<br>(mm) | NJFA (FEMALE ADAPTER)<br>JIS SUS304                                                | Diameter<br>(mm) |
|------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|------------------|
|   | 13SU x 15A       |  | 13SU x 15A       |
|                                                                                    | 20SU x 20A       |                                                                                    | 20SU x 20A       |
|                                                                                    | 25SU x 25A       |                                                                                    | 25SU x 25A       |
|                                                                                    | 30SU x 32A       |                                                                                    | 30SU x 32A       |
|                                                                                    | 40SU x 40A       |                                                                                    | 40SU x 40A       |
|                                                                                    | 50SU x 50A       |                                                                                    | 50SU x 50A       |
|                                                                                    | 60SU x 65A       |                                                                                    | 60SU x 65A       |
| NJFM (FLANGE ADAPTER)<br>JIS SUS304                                                | Diameter<br>(mm) |                                                                                    |                  |
|  | 13SU x 15A       |                                                                                    |                  |
|                                                                                    | 20SU x 20A       |                                                                                    |                  |
|                                                                                    | 25SU x 25A       |                                                                                    |                  |
|                                                                                    | 30SU x 32A       |                                                                                    |                  |
|                                                                                    | 40SU x 40A       |                                                                                    |                  |
|                                                                                    | 50SU x 50A       |                                                                                    |                  |
|                                                                                    | 60SU x 65A       |                                                                                    |                  |



C H I N A

Yên Mỹ II Industrial Park  
Hưng Yên Province

L A O S

T H A I L A N D

C A M B O D I A

QUẦN ĐẢO  
HOÀNG SA

Nhơn Trạch III Industrial Park  
Đồng Nai Province

QUẦN ĐẢO  
TRƯỜNG SA



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Co., Ltd.



日鋼ステンレス株式会社  
Nikko Stainless Co., Ltd.

 *V-Stainless Steel*

**V-STAINLESS STEEL CO.,LTD**

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