

# ETFE COATED DUCTS

(METRIC SIZE)



KENYON TECHNOLOGY



REV1.0

# COMPANY PROFILE

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Kenyon Technology (Suzhou) Co. Ltd was founded in 2003 as a wholly owned subsidiary of Kenyon Pte Ltd. It is located at the Suzhou Industrial Park in China. Kenyon Technology is housed in 3 factory buildings with a total production area of 24,000 M2.

Kenyon Technology is specialised in fabrication of Bare Stainless Steel and ETFE Coated (FM approved) Stainless Steel Ducts. It has a full range of equipment for fabrication of ducts, fittings and control dampers. Kenyon Technology has also developed many latest states of art equipments and processes to ensure consistency of quality of all its products. The Kenyon ETFE coated ducts are marketed as “JIANYON ETFE Coated Stainless Steel Ducts”. Entire range of Coated Ducts and Fittings meet all the fire safety and corrosion resistance requirements in the semiconductor industry. Kenyon Technology’s full range of products are used worldwide by leading companies in this industry.

- Commitment to exceed Customers’ expectations
- Strict Quality Control
- Fast Response and On-time Delivery
- One Stop solution Provider
- Flexibility

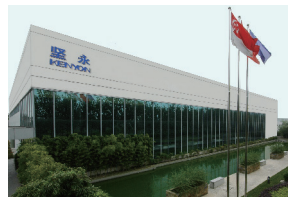
Kenyon group of companies are located in Singapore, Suzhou, Chengdu and Tianjin. Together Kenyon hires more than 1,100 permanent staffs. Half of Kenyon work force is located in China.



Singapore



Suzhou



Chengdu



Tianjin

# GENERAL INFORMATION

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The data in this catalogue is based on SMACNA's recommendation as well as Kenyon's design collected over the years. While these existing designs meet most of the needs of the industries, Kenyon is also able to produce different designs to meet special requirements for our customers.

All Kenyon ducts and fittings meet the approval of Factory Mutual Research Standard 4922. Generally sprinklers are not required for duct sizes up to 1500mm diameter.

The Kenyon standard coating thickness is approximately 250 micron. The coatings are 'type tested' for their adhesiveness. The coated surface of every piece of ducts, fittings or dampers also sparked tested to 2500 volts to ensure it is free of porosity before packaging and delivery. Consignee is recommended to report any damages, especially scratches to the coating surfaces immediately upon receiving the products.

ETFE Coated Ducts products must be stored in areas free from rain, abrasion, grits and dirt.

As damages to coating can happen during handling and installation, it is advisable to carry out spark tests on all ducts/fittings before the next section is installed. This is especially important on the lower horizontal parts of the ducts/fittings where corrosive liquid may be collected. All porous surfaces must be repaired before installation can continue.

# ETFE COATED DUCTS

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## Duct Fabrication Using Precision Laser Cutting Machine

Kenyon's stainless steel fabrication department adopts the most up-to-date duct and fitting fabrication techniques that includes the use of CNC and Precision Laser Cutting Machine. The workshop is operated by skilled sheet metal workers and experienced welders.

## Laboratory

In order to ensure quality of products, Kenyon carries out tests in its laboratory, employing the latest analyzing techniques to check incoming materials, semi-finished goods and outgoing products. Tests carried out include analysis of the quality of raw materials, welding quality, corrosion resistance, peel test, high voltage holiday test and microscopic examinations. All tests are carried out with the requirements of clients and the relevant product standards such as the China standards (GB) and SMACNA/ASHRAE standards in mind.

## ETFE Coating Line

Kenyon developed automatic coating systems for precision coating capable of consistently produce pin hole free duct coating for small diameter duct.

For bigger duct, Kenyon has ovens that are suitable for duct and fitting up to 3.5m diameter.

## Flanges

Kenyon produces both angle flange and flat flange, Kenyon can also produce flanges to fit specific requirements.







ETFE Coating Line



Typical Coating Facilities



Damper Testing Facilities



Large Coating Oven



CNC Machine



Damper Air Leakage Testing Facility



PMI Spectrometer For Stainless Steel Material Inspection



Auto Welding



Auto Welding

## KENYON TECHNOLOGY

### Ethylene Tetrafluoroethylene (ETFE)

ETFE (Ethylene Tetrafluoroethylene) is a thermoplastic fluoropolymer based on an alternating copolymer of ethylene (C<sub>2</sub>H<sub>4</sub>) and tetrafluoroethylene (C<sub>2</sub>F<sub>4</sub>).

## CHEMICAL RESISTANCE OF VARIOUS FLUOROPOLYMERS

| Chemical Agent                   | FEP | PFA | PTFE | PVDF | ETFE | ECTFE |
|----------------------------------|-----|-----|------|------|------|-------|
| Acetone                          | A   | A   | A    | NR   | A    | A     |
| Acetonitrile                     | A   | A   | A    | NR   | A    | A     |
| Acetophenone                     | A   | A   | A    | NR   | A    | A     |
| Ammonium Hydroxide               | A   | A   | A    | A    | A    | A     |
| Aniline                          | A   | A   | A    | B    | A    | A     |
| Benzaldehyde                     | A   | A   | A    | A    | A    | A     |
| Benzene                          | A   | A   | A    | A    | A    | A     |
| Benzene Hot                      | A   | A   | A    | B    | A    | A     |
| Benzoyl Chloride                 | A   | A   | A    | A    | A    | A     |
| Benzyl Alcohol                   | A   | A   | A    | A    | A    | A     |
| Bromine Dry Gas                  | A   | A   | A    | A    | A    | A     |
| Bromine Moist Gas                | A   | A   | A    | A    | A    | A     |
| Butyl Acetate                    | A   | A   | A    | NR   | A    | A     |
| Carbon Disulfide                 | A   | A   | A    | A    | A    | A     |
| Chlorinated Water                | A   | A   | A    | A    | A    | A     |
| Chlorine Dry                     | A   | A   | A    | A    | A    | A     |
| Chlorine Wet                     | A   | A   | A    | A    | A    | A     |
| Chloroacetic Acid                | A   | A   | A    | A    | A    | A     |
| Chloroform                       | A   | A   | A    | A    | A    | A     |
| Chromic Acid <10% Boiling        | A   | A   | A    | NR   | A    | A     |
| Chromic Acid Concentrated        | A   | A   | A    | A    | A    | A     |
| Citric Acid Concentrated         | A   | A   | A    | A    | A    | A     |
| Citric Acid Diluted              | A   | A   | A    | A    | A    | A     |
| Cresol                           | A   | A   | A    | A    | A    | A     |
| Cyclohexane                      | A   | A   | A    | A    | A    | A     |
| Cyclohexanol                     | A   | A   | A    | A    | A    | A     |
| Cyclohexanone                    | A   | A   | A    | A    | A    | A     |
| Diacetone Alcohol                | A   | A   | A    | A    | A    | A     |
| Dimethyl Phthalate               | A   | A   | A    | A    | A    | A     |
| Dimethyl Sulfoxide               | A   | A   | A    | NI   | A    | A     |
| Dioxane                          | A   | A   | A    | NR   | A    | A     |
| Ethanol                          | A   | A   | A    | A    | A    | A     |
| Ethyl Acetate                    | A   | A   | A    | A    | A    | A     |
| Ethylene Dichloride              | A   | A   | A    | A    | A    | A     |
| Ethyl Ether                      | A   | A   | A    | A    | A    | A     |
| Ferric Chloride Concentrated     | A   | A   | A    | A    | A    | A     |
| Formic Acid                      | A   | A   | A    | A    | A    | A     |
| Freon Dry                        | A   | A   | A    | A    | A    | A     |
| Freon Wet                        | A   | A   | A    | A    | A    | A     |
| Glacial Acetic Acid              | A   | A   | A    | NR   | A    | A     |
| Glycolic Acid                    | A   | A   | A    | A    | A    | A     |
| Hexane                           | A   | A   | A    | A    | A    | A     |
| Hydrochloric Acid <0.25% Boiling | A   | A   | A    | A    | A    | A     |

A -- Recommended      B -- Fair  
 NR -- Not Recommended      NI -- No Information

## ETFE COATED DUCTS

| Chemical Agent               | FEP | PFA | PTFE | PVDF | ETFE | ECTFE |
|------------------------------|-----|-----|------|------|------|-------|
| Hydrochloric Acid >2% 175    | A   | A   | A    | A    | A    | A     |
| Hydrochloric Acid >20%       | A   | A   | A    | A    | A    | A     |
| Hydrochloric Acid 0.5% to 2% | A   | A   | A    | A    | A    | A     |
| Hydrochloric Acid 1% 175 °F  | A   | A   | A    | A    | A    | NI    |
| Hydrochloric Acid 1-20%      | A   | A   | A    | A    | A    | A     |
| Hydrofluoric Acid >40%       | A   | A   | A    | A    | A    | A     |
| Hydrofluoric Acid 35%        | A   | A   | A    | A    | A    | A     |
| Hydrogen Peroxide            | A   | A   | A    | A    | A    | A     |
| Lactic Acid                  | A   | A   | A    | B    | A    | A     |
| Methanol                     | A   | A   | A    | A    | A    | A     |
| Methyl Ethyl Ketone          | A   | A   | A    | NR   | A    | A     |
| Methyl Isobutyl Ketone       | A   | A   | A    | A    | A    | A     |
| Methylene Chloride           | A   | A   | A    | B    | A    | A     |
| Mineral Oils                 | A   | A   | A    | A    | A    | A     |
| Nitric Acid                  | A   | A   | A    | A    | A    | A     |
| Nitric Acid Boiling          | A   | A   | A    | NR   | A    | A     |
| Nitric Acid Fuming >70%      | A   | A   | A    | B    | A    | A     |
| Nitrobenzene                 | A   | A   | A    | A    | A    | A     |
| N-Methylaniline              | A   | A   | A    | A    | A    | A     |
| Octane                       | A   | A   | A    | A    | A    | NI    |
| Oxalic Acid                  | A   | A   | A    | A    | A    | A     |
| Perchloroethylene            | A   | A   | A    | A    | A    | A     |
| Phosphoric Acid Aerated      | A   | A   | A    | A    | A    | A     |
| Phosphoric Acid Free         | A   | A   | A    | A    | A    | NI    |
| Phosphoric Acid Boiling      | A   | A   | A    | A    | A    | A     |
| Phosphorus Trichloride       | A   | A   | A    | A    | A    | A     |
| Potassium Hydroxide          | A   | A   | A    | A    | A    | NI    |
| Propyl Alcohol               | A   | A   | A    | A    | A    | NI    |
| Propylene Oxide              | A   | A   | A    | A    | A    | A     |
| Skydrol 500 & 700            | A   | A   | A    | A    | A    | A     |
| Sodium Hydroxide             | A   | A   | A    | A    | A    | NI    |
| Stearic Acid                 | A   | A   | A    | A    | A    | A     |
| Sulfuric Acid Aerated        | A   | A   | A    | A    | A    | A     |
| Sulfuric Acid Free           | A   | A   | A    | A    | A    | A     |
| Sulfuric Acid Boiling        | A   | A   | A    | A    | A    | A     |
| Sulfuric Acid Fuming Oleum   | A   | A   | A    | A    | A    | A     |
| Sulfuric Chloride            | A   | A   | A    | A    | A    | A     |
| Tetrahydrofuran              | A   | A   | A    | A    | A    | A     |
| Toluene                      | A   | A   | A    | A    | A    | NI    |
| Trichloroacetic Acid         | A   | A   | A    | A    | A    | A     |
| Trichloroethylene            | A   | A   | A    | A    | A    | A     |
| Water Boiling                | A   | A   | A    | A    | A    | A     |
| Xylene                       | A   | A   | A    | A    | A    | A     |

FEP - Fluorinated Ethylene Propylene  
 ETFE - Ethylene Tetrafluoroethylene  
 PVDF - Polyvinylidene Fluoride

PTFE - Polytetrafluoroethylene  
 PFA - Perfluoroalkoxy  
 ECTFE - Ethylene Chlorotrifluoroethylene

### Key Properties of ETFE Fluoropolymer

#### • Chemical resistance

ETFE provides excellent resistance to virtually all chemicals and solvents that can cause rapid deterioration of other plastics.

#### • Mechanical strength

It has superior mechanical strength, stiffness and good resistance to stress cracking. It has a higher tensile strength and greater crush resistance than other fluoropolymers. ETFE also offers a low coefficient of friction and its oil / water repellency renders it an excellent coating material for low flow resistance.

#### • Good electrical properties

ETFE is an excellent insulator.

#### • Non-flammable

It has a rating of V-0 for UL 94.

#### • Great weatherability

It screens out ultraviolet (UV) rays but does not deteriorate as a result of exposure to UV.

#### • Outstanding performance over a wide range of temperature

It offers corrosion resistance, stable mechanical and electrical properties over a wide temperature range from -65°C to 150°C.



# CONTENTS

## ORDERING INFORMATION

08

## DUCT & FITTING

09-54

|                                    |    |
|------------------------------------|----|
| • WALL THICKNESS & PRESSURE RATING | 12 |
| • FLANGE                           | 13 |
| • STRAIGHT DUCT                    | 15 |
| • OFFSET DUCT                      | 17 |
| • 90° ELBOW                        | 19 |
| • 60° ELBOW                        | 21 |
| • 45° ELBOW                        | 23 |
| • 30° ELBOW                        | 25 |
| • 15° ELBOW                        | 27 |
| • STRAIGHT TEE                     | 29 |
| • SINGLE BOOT TEE                  | 31 |
| • DOUBLE BOOT TEE                  | 33 |
| • CONICAL TEE                      | 35 |
| • Y LATERAL TEE                    | 37 |
| • CROSS JOINT                      | 39 |
| • MANIFOLD                         | 41 |
| • CONCENTRIC REDUCER               | 43 |
| • ECCENTRIC REDUCER                | 45 |
| • TRANSITION                       | 47 |
| • SADDLE TAP                       | 49 |
| • BLIND PLATE                      | 51 |
| • TEST PORT                        | 53 |
| • BUNG                             | 54 |

## DAMPER

55-82

|                                             |    |
|---------------------------------------------|----|
| • D50-250mm SINGLE BLADE HANDLE DAMPER      | 67 |
| • D100-500mm SINGLE BLADE WORM GEAR DAMPER  | 69 |
| • D550-1550mm MULTI-BLADE WORM GEAR DAMPER  | 71 |
| • D1600-2000mm MULTI-BLADE WORM GEAR DAMPER | 73 |
| • D2100-3000mm MULTI-BLADE WORM GEAR DAMPER | 75 |
| • D100-450mm SINGLE BLADE BLAST GATE        | 77 |
| • D500-850mm SINGLE BLADE BLAST GATE        | 79 |
| • NON-RETURN DAMPER                         | 81 |

# ORDERING INFORMATION

## BASIC PART NUMBER

SD1C0100AF----

SD

1

C

0100

AF

----

### Description (产品类型)

FL : FLANGE (法兰)  
SD : STRAIGHT DUCT (直管)  
OS : OFFSET DUCT (偏心管)  
9E : 90° ELBOW (90°弯头)  
6E : 60° ELBOW (60°弯头)  
4E : 45° ELBOW (45°弯头)  
3E : 30° ELBOW (30°弯头)  
1E : 15° ELBOW (15°弯头)  
TT : STRAIGHT TEE (直三通)  
TS : SINGLE BOOT TEE (单扩三通)  
TB : DOUBLE BOOT TEE (双扩三通)  
TO : CONICAL TEE (圆扩三通)  
TY : Y LATERAL TEE (Y型斜三通)  
TC : CROSS JOINT (十字四通)  
TM : MANIFOLD (多通)  
CR : CONCENTRIC REDUCER (同心大小头)  
ER : ECCENTRIC REDUCER (偏心大小头)  
TR : TRANSITION (转接头)  
ST : SADDLE TAP (热开口)  
BP : BLIND PLATE (盲板)  
TP : TEST PORT (测试口)  
BU : BUNG (内插件)  
HD : HANDLE DAMPER (手柄阀)  
WD : WORM GEAR DAMPER (蜗轮蜗杆阀)  
MD : MULTI-BLADE DAMPER (多叶阀)  
BD : BLAST GATE (插板阀)  
ND : NON-RETURN DAMPER (止回阀)

### Material (材质)

1 : SS304 (不锈钢304)  
2 : SS304L (不锈钢304L)  
3 : SS316L (不锈钢316L)

### Coating Yes/No (是否喷涂)

C : ETFE Coated (ETFE 喷涂)  
S : Stainless Steel Uncoated (不锈钢不喷涂)

### Diameter: D (直径)

50mm ≤ D ≤ 3500mm  
eg. 0100: Diameter 100mm (直径100mm)

### Connection (连接形式)

AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)  
AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)  
PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)  
PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)  
KF : SS304 KF Flange, Fully Welded (不锈钢304 KF 法兰, 满焊)  
SF : SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)  
XF : Customized Flange (定制法兰)  
-- : Not Applicable (不适用)

### Length/Radius: L/R (长度/半径)

---- : STD. Length (Radius) or Not Applicable (标准长度(半径)/不适用)  
Length: L ≥ 150mm  
Radius: 1.0D 1.5D available

# DUCT & FITTING

## >>> PRODUCT CATEGORY



FLANGE **01**



STRAIGHT DUCT **02**



90° ELBOW **03**



60° ELBOW **04**



45° ELBOW **05**



30° ELBOW **06**



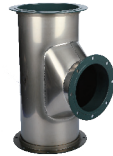
15° ELBOW **07**



STRAIGHT TEE **08**



SINGLE BOOT TEE **09**



DOUBLE BOOT TEE **10**



CONICAL TEE **11**



Y LATERAL TEE **12**



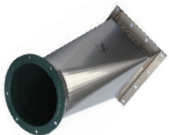
CROSS JOINT **13**



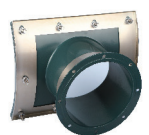
MANIFOLD **14**



CONCENTRIC REDUCER **15**



TRANSITION **16**



SADDLE TAP **17**



BLIND PLATE **18**



TEST PORT **19**

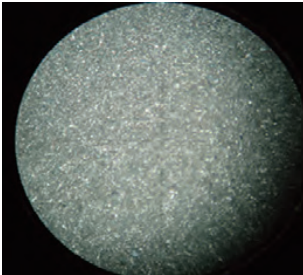


BUNG **20**

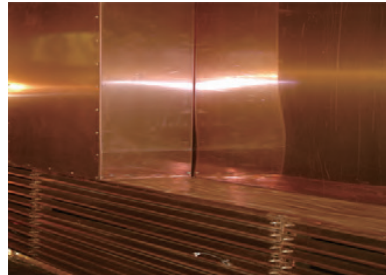


## >>> INTRODUCTION

### Production Processes of Kenyon's ETFE Coated Stainless Steel Ducts



Surface Preparation



Baking & Degreasing



Electrostatic Powder Coating



Spark Test



Inspection

ETFE coated stainless steel ducts are the excellent solution for handling corrosive fume exhaust and process piping systems for industries (including pharmaceutical, semiconductor, chemical processing, petrochemical and hazardous waste disposal) that utilize aggressive chemicals in their production processes. The ETFE coating far surpasses other materials in chemical resistance and our proprietary coating technology ensures superior bonding to the stainless steel, resulting in a coating that will not delaminate. Furthermore, stainless steel ducts will not burn and hence do not require the use of internal sprinklers. Kenyon ETFE coated stainless steel ducts are manufactured to meet the Factory Mutual (FM) Research Standard 4922 and 4910.

ETFE coated ducts are characterized by its ease of installation and can be easily field-modified to suit on-site conditions. Kenyon ETFE Coated Stainless Steel Ducts come in standard sizes and Kenyon also provides customized fabrication to meet SMACNA and other relevant standards.

## >>> TECHNICAL SPECIFICATION

- Duct fittings and flanges can be fabricated in accordance with SMACNA Round Industrial Duct Construction Standards, the Chinese National (GB) Standard or any other relevant standards.
- The thickness of stainless steel complies with SMACNA standard, and varies according to design pressure.
- ETFE thermoplastic coating thickness averages around 250 microns.
- Continuous-use temperature range from -65 °C to 150 °C
- Duct sizes range from 100mm to 3500mm diameter and in standard lengths of 1200mm or 2400mm.
- SUS304 / 304L / 316L stainless steel are used for all duct fittings or in accordance with customers' specifications.

## >>> PERFORMANCE FEATURES

- ETFE coating bonds permanently to interior surfaces of the ducts for unparalleled corrosion resistance performance.
- Proven for use in extremely harsh applications.
- Stainless steel is used as a structural backing for the coating in additional corrosion resistance.
- Standard modular fabrication / installation methods are offered, customized fabrication is available.
- Duct fittings designed for ease of site assembly.
- Duct and fittings are manufactured to meet the stringent requirements of FM Global and hence require no internal sprinkler system.
- Reduce the expensive damages caused by propagation of fire.

### **Note:**

1. If the fumes extracted by the coated ducts are combustible or they produce a flammable residue that builds up inside the duct, then internal sprinklers will be required.
2. FM Global's approval (FM4922 and 4910) applies for coated duct fittings from 100mm to 1500mm diameter.

## >>> WALL THICKNESS & PRESSURE RATING

### THICKNESS FOR 1.2m DUCT

| D (mm) | STD LENGTH (mm) | W.T @-2500Pa (mm)  | W.T @-3500Pa (mm)  | W.T @-4500Pa (mm)  |
|--------|-----------------|--------------------|--------------------|--------------------|
| 50     | 600             | 1.65               |                    |                    |
| 75     | 1200            | 1.65               |                    |                    |
| 100    |                 | 0.8                | 0.8                | 0.8                |
| 150    |                 |                    |                    |                    |
| 200    |                 |                    |                    |                    |
| 250    |                 |                    |                    |                    |
| 300    |                 |                    |                    |                    |
| 350    |                 | 1.0                | 1.0                | 1.0                |
| 400    |                 |                    |                    |                    |
| 450    |                 |                    |                    |                    |
| 500    |                 |                    |                    |                    |
| 550    | 1198            | 1.2                | 1.2                | 1.2                |
| 600    |                 |                    |                    |                    |
| 650    |                 |                    |                    |                    |
| 700    |                 |                    |                    |                    |
| 750    |                 |                    |                    |                    |
| 800    |                 | 1.5                | 1.5                | 1.5                |
| 850    |                 |                    |                    |                    |
| 900    |                 |                    |                    |                    |
| 950    |                 |                    |                    |                    |
| 1000   |                 |                    |                    |                    |
| 1050   |                 | 2.0                | 2.0                | 2.0                |
| 1100   |                 |                    |                    |                    |
| 1150   |                 |                    |                    |                    |
| 1200   |                 |                    |                    |                    |
| 1250   |                 |                    |                    |                    |
| 1300   |                 | 2.5                | 2.5                | 2.5                |
| 1350   |                 |                    |                    |                    |
| 1400   |                 |                    |                    |                    |
| 1450   |                 |                    |                    |                    |
| 1500   |                 |                    |                    |                    |
| 1600   | 2398            | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 1700   |                 |                    |                    |                    |
| 1800   |                 |                    |                    |                    |
| 1900   |                 |                    |                    |                    |
| 2000   |                 |                    |                    |                    |
| 2100   |                 | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 2200   |                 |                    |                    |                    |
| 2300   |                 |                    |                    |                    |
| 2400   |                 |                    |                    |                    |
| 2500   |                 |                    |                    |                    |
| 2600   | 2398            | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 2800   |                 |                    |                    |                    |
| 3000   |                 |                    |                    |                    |
| 3500   |                 |                    |                    |                    |

### THICKNESS FOR 2.4m DUCT

| D (mm)        | STD LENGTH (mm)                               | W.T @-2500Pa (mm)  | W.T @-3500Pa (mm)  | W.T @-4500Pa (mm)  |
|---------------|-----------------------------------------------|--------------------|--------------------|--------------------|
| <del>50</del> | <del>2400</del>                               | <del>1.65</del>    |                    |                    |
| <del>75</del> | <del>2400</del>                               | <del>1.65</del>    |                    |                    |
| 100           | 2400<br>(Only Available for Non-Coated Duct ) | 1.0                | 1.0                | 1.0                |
| 150           |                                               |                    |                    |                    |
| 200           |                                               |                    |                    |                    |
| 250           |                                               |                    |                    |                    |
| 300           |                                               |                    |                    |                    |
| 350           |                                               | 1.2                | 1.2                | 1.2                |
| 400           |                                               |                    |                    |                    |
| 450           |                                               |                    |                    |                    |
| 500           |                                               |                    |                    |                    |
| 550           | 2398                                          | 1.5                | 1.5                | 1.5                |
| 600           |                                               |                    |                    |                    |
| 650           |                                               |                    |                    |                    |
| 700           |                                               |                    |                    |                    |
| 750           |                                               |                    |                    |                    |
| 800           |                                               | 2.0                | 2.0                | 2.0                |
| 850           |                                               |                    |                    |                    |
| 900           |                                               |                    |                    |                    |
| 950           |                                               |                    |                    |                    |
| 1000          |                                               |                    |                    |                    |
| 1050          |                                               | 2.5                | 2.5                | 2.5                |
| 1100          |                                               |                    |                    |                    |
| 1150          |                                               |                    |                    |                    |
| 1200          |                                               |                    |                    |                    |
| 1250          |                                               |                    |                    |                    |
| 1300          |                                               | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 1350          |                                               |                    |                    |                    |
| 1400          |                                               |                    |                    |                    |
| 1450          |                                               |                    |                    |                    |
| 1500          |                                               |                    |                    |                    |
| 1600          | 2398                                          | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 1700          |                                               |                    |                    |                    |
| 1800          |                                               |                    |                    |                    |
| 1900          |                                               |                    |                    |                    |
| 2000          |                                               |                    |                    |                    |
| 2100          |                                               | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 2200          |                                               |                    |                    |                    |
| 2300          |                                               |                    |                    |                    |
| 2400          |                                               |                    |                    |                    |
| 2500          |                                               |                    |                    |                    |
| 2600          | 2398                                          | 2.5 with Stiffener | 2.5 with Stiffener | 2.5 with Stiffener |
| 2800          |                                               |                    |                    |                    |
| 3000          |                                               |                    |                    |                    |
| 3500          |                                               |                    |                    |                    |

# FLANGE >>>

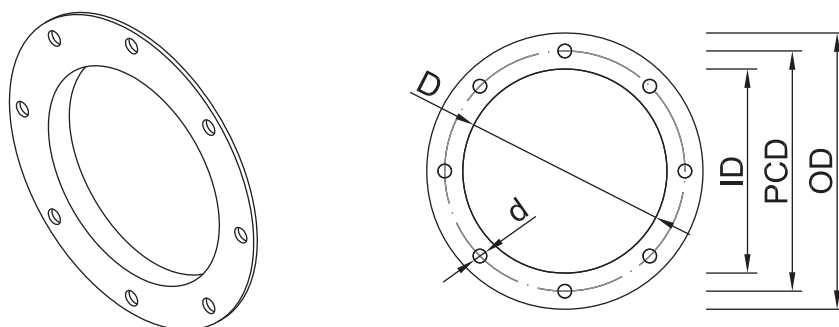
(Sizes in mm)

## ORDERING INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <p><b>FL</b></p> <p><b>Description (产品类型)</b></p> <p>FL : FLANGE (法兰)</p> <p><b>Material (材质)</b></p> <p>1: SS304 (不锈钢304)<br/>2: SS304L (不锈钢304L)<br/>3: SS316L (不锈钢316L)</p> <p><b>Coating Yes/No (是否喷涂)</b></p> <p>S: Staines Steel Uncoated (不锈钢不喷涂)</p> <p><b>Connection (连接形式)</b></p> <p>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br/>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br/>XF: Customized Flange (定制法兰)</p> | <p><b>1</b></p> <p><b>S</b></p> <p><b>0100</b></p> <p><b>AN</b></p> <p><b>----</b></p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|

**Diameter: D (直径)**  
 $100\text{mm} \leq D \leq 3500\text{mm}$   
**eg. 0500:** Diameter 500mm (直径500mm)

**Length: L (长度/半径)**  
 ---- : Not Applicable (不适用)





# FLANGE >>>

(Sizes in mm)

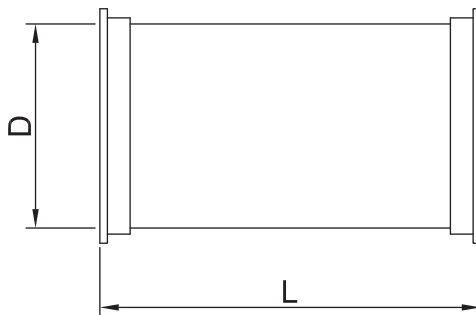
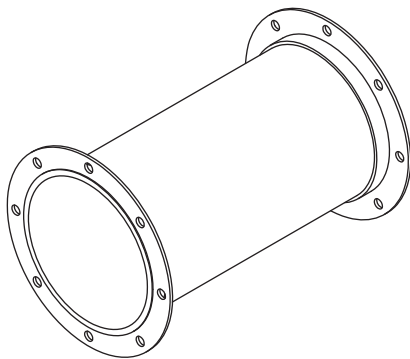
## STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | ID<br>(mm) | OD<br>(mm) | Bolt Holes  |           |                  | Type of Flange         |
|----------------|-----------|------------|------------|-------------|-----------|------------------|------------------------|
|                |           |            |            | PCD<br>(mm) | d<br>(mm) | Hole number<br>n |                        |
| FL1S0100AF---- | 100       | 103        | 153        | 132         | 8         | 6                | 25*15*3mm angle flange |
| FL1S0150AF---- | 150       | 153        | 203        | 182         | 10        | 8                | 25*15*3mm angle flange |
| FL1S0200AF---- | 200       | 203        | 253        | 232         | 10        | 8                | 25*15*3mm angle flange |
| FL1S0250AF---- | 250       | 253        | 303        | 282         | 10        | 10               | 25*15*3mm angle flange |
| FL1S0300AF---- | 300       | 303        | 353        | 332         | 10        | 12               | 25*15*3mm angle flange |
| FL1S0350AF---- | 350       | 353        | 413        | 386         | 10        | 14               | 30*22*3mm angle flange |
| FL1S0400AF---- | 400       | 403        | 483        | 446         | 12        | 16               | 40*20*3mm angle flange |
| FL1S0450AF---- | 450       | 453        | 533        | 496         | 12        | 16               | 40*20*3mm angle flange |
| FL1S0500AF---- | 500       | 503        | 595        | 558         | 12        | 18               | 46*34*4mm angle flange |
| FL1S0550AF---- | 550       | 553        | 645        | 608         | 12        | 20               | 46*34*4mm angle flange |
| FL1S0600AF---- | 600       | 603        | 695        | 658         | 12        | 22               | 46*34*4mm angle flange |
| FL1S0650AF---- | 650       | 653        | 745        | 708         | 12        | 24               | 46*34*4mm angle flange |
| FL1S0700AF---- | 700       | 703        | 795        | 758         | 12        | 24               | 46*34*4mm angle flange |
| FL1S0750AF---- | 750       | 753        | 845        | 808         | 12        | 26               | 46*34*4mm angle flange |
| FL1S0800AF---- | 800       | 803        | 895        | 858         | 12        | 28               | 46*34*4mm angle flange |
| FL1S0850AF---- | 850       | 853        | 945        | 908         | 12        | 30               | 46*34*4mm angle flange |
| FL1S0900AF---- | 900       | 903        | 995        | 958         | 12        | 32               | 46*34*4mm angle flange |
| FL1S0950AF---- | 950       | 953        | 1045       | 1008        | 12        | 32               | 46*34*4mm angle flange |
| FL1S1000AF---- | 1000      | 1004       | 1096       | 1058        | 12        | 34               | 46*34*4mm angle flange |
| FL1S1050AF---- | 1050      | 1054       | 1146       | 1108        | 12        | 36               | 46*34*4mm angle flange |
| FL1S1100AF---- | 1100      | 1104       | 1196       | 1158        | 12        | 38               | 46*34*4mm angle flange |
| FL1S1150AF---- | 1150      | 1154       | 1246       | 1208        | 12        | 38               | 46*34*4mm angle flange |
| FL1S1200AF---- | 1200      | 1204       | 1296       | 1258        | 12        | 40               | 46*34*4mm angle flange |
| FL1S1250AF---- | 1250      | 1254       | 1346       | 1308        | 12        | 42               | 46*34*4mm angle flange |
| FL1S1300AF---- | 1300      | 1304       | 1396       | 1358        | 12        | 44               | 46*34*4mm angle flange |
| FL1S1350AF---- | 1350      | 1354       | 1446       | 1408        | 12        | 46               | 46*34*4mm angle flange |
| FL1S1400AF---- | 1400      | 1404       | 1496       | 1458        | 12        | 46               | 46*34*4mm angle flange |
| FL1S1450AF---- | 1450      | 1454       | 1546       | 1508        | 12        | 48               | 46*34*4mm angle flange |
| FL1S1500AF---- | 1500      | 1505       | 1597       | 1559        | 12        | 50               | 46*34*4mm angle flange |
| FL1S1600AF---- | 1600      | 1605       | 1697       | 1659        | 12*14     | 54               | 46*34*5mm angle flange |
| FL1S1700AF---- | 1700      | 1705       | 1797       | 1759        | 12*15     | 56               | 46*34*5mm angle flange |
| FL1S1800AF---- | 1800      | 1805       | 1897       | 1859        | 12*16     | 60               | 46*34*5mm angle flange |
| FL1S1900AF---- | 1900      | 1905       | 1997       | 1959        | 12*17     | 62               | 46*34*5mm angle flange |
| FL1S2000AF---- | 2000      | 2005       | 2097       | 2059        | 12*18     | 66               | 46*34*5mm angle flange |
| FL1S2100AF---- | 2100      | 2105       | 2225       | 2159        | 12*19     | 68               | 60*40*5mm angle flange |
| FL1S2200AF---- | 2200      | 2205       | 2325       | 2259        | 12*20     | 72               | 60*40*5mm angle flange |
| FL1S2300AF---- | 2300      | 2305       | 2425       | 2359        | 12*21     | 76               | 60*40*5mm angle flange |
| FL1S2400AF---- | 2400      | 2405       | 2525       | 2459        | 12*22     | 78               | 60*40*5mm angle flange |
| FL1S2500AF---- | 2500      | 2505       | 2625       | 2560        | 12*23     | 82               | 60*40*5mm angle flange |
| FL1S2600AF---- | 2600      | 2606       | 2726       | 2660        | 12*24     | 84               | 60*40*5mm angle flange |
| FL1S2800AF---- | 2800      | 2806       | 2926       | 2860        | 12*25     | 90               | 60*40*5mm angle flange |
| FL1S3000AF---- | 3000      | 3006       | 3126       | 3060        | 12*26     | 98               | 60*40*5mm angle flange |
| FL1S3500AF---- | 3500      | 3506       | 3626       | 3560        | 12*27     | 112              | 60*40*5mm angle flange |

STRAIGHT DUCT >>>  
(Sizes in mm)

ORDERING INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |                                                                                            |                                                                                                                                                                                          |             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>SD</b>                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>1</b> | <b>C</b> | <b>0100</b>                                                                                | <b>AF</b>                                                                                                                                                                                | <b>----</b> |
| <b>Description (产品类型)</b><br>SD: STRAIGHT DUCT (直管)                                                                                                                                                                                                                                                                                                                                                                        |          |          |                                                                                            |                                                                                                                                                                                          |             |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                                                                                                                                    |          |          | <b>Diameter: D (直径)</b><br>50mm ≤ D ≤ 3500mm<br>eg. <b>0500</b> : Diameter 500mm (直径500mm) |                                                                                                                                                                                          |             |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                                                                                                                                            |          |          |                                                                                            |                                                                                                                                                                                          |             |
| <b>Connection (连接形式)</b><br>AF: Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>KF: SS304 KF Flange, Fully Welded (不锈钢304 KF 法兰, 满焊)<br>SF: SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)<br>XF: Customized Flange (定制法兰) |          |          |                                                                                            | <b>Length: L (长度)</b><br>----: STD. Length (标准长度)<br>600mm for D0050<br>1200mm for D0075-D0450<br>1198mm for D0500-D3500<br><b>L ≥ 150mm</b><br>eg. <b>0500</b> : Length 500mm (长度500mm) |             |



## STRAIGHT DUCT >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | Type of Flange         |
|----------------|-----------|-----------|----------------------|------------------------|
| SD1C0050KF---- | 50.8      | 600       | 1.65                 | KF                     |
| SD1C0075SF---- | 76.2      | 1200      | 1.65                 | ISO                    |
| SD1C0100AF---- | 100       | 1200      | 0.8                  | 25*15*3mm angle flange |
| SD1C0150AF---- | 150       | 1200      | 0.8                  | 25*15*3mm angle flange |
| SD1C0200AF---- | 200       | 1200      | 0.8                  | 25*15*3mm angle flange |
| SD1C0250AF---- | 250       | 1200      | 0.8                  | 25*15*3mm angle flange |
| SD1C0300AF---- | 300       | 1200      | 0.8                  | 25*15*3mm angle flange |
| SD1C0350AF---- | 350       | 1200      | 1.0                  | 30*22*3mm angle flange |
| SD1C0400AF---- | 400       | 1200      | 1.0                  | 40*22*3mm angle flange |
| SD1C0450AF---- | 450       | 1200      | 1.0                  | 40*22*3mm angle flange |
| SD1C0500AF---- | 500       | 1198      | 1.0                  | 46*34*4mm angle flange |
| SD1C0550AF---- | 550       | 1198      | 1.0                  | 46*34*4mm angle flange |
| SD1C0600AF---- | 600       | 1198      | 1.0                  | 46*34*4mm angle flange |
| SD1C0650AF---- | 650       | 1198      | 1.0                  | 46*34*4mm angle flange |
| SD1C0700AF---- | 700       | 1198      | 1.0                  | 46*34*4mm angle flange |
| SD1C0750AF---- | 750       | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C0800AF---- | 800       | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C0850AF---- | 850       | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C0900AF---- | 900       | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C0950AF---- | 950       | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C1000AF---- | 1000      | 1198      | 1.2                  | 46*34*4mm angle flange |
| SD1C1050AF---- | 1050      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1100AF---- | 1100      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1150AF---- | 1150      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1200AF---- | 1200      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1250AF---- | 1250      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1300AF---- | 1300      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1350AF---- | 1350      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1400AF---- | 1400      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1450AF---- | 1450      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1500AF---- | 1500      | 1198      | 1.5                  | 46*34*4mm angle flange |
| SD1C1600AF---- | 1600      | 1198      | 2.0                  | 46*34*5mm angle flange |
| SD1C1700AF---- | 1700      | 1198      | 2.0                  | 46*34*5mm angle flange |
| SD1C1800AF---- | 1800      | 1198      | 2.0                  | 46*34*5mm angle flange |
| SD1C1900AF---- | 1900      | 1198      | 2.0                  | 46*34*5mm angle flange |
| SD1C2000AF---- | 2000      | 1198      | 2.0                  | 46*34*5mm angle flange |
| SD1C2100AF---- | 2100      | 1198      | 2.0                  | 60*40*5mm angle flange |
| SD1C2200AF---- | 2200      | 1198      | 2.0                  | 60*40*5mm angle flange |
| SD1C2300AF---- | 2300      | 1198      | 2.0                  | 60*40*5mm angle flange |
| SD1C2400AF---- | 2400      | 1198      | 2.0                  | 60*40*5mm angle flange |
| SD1C2500AF---- | 2500      | 1198      | 2.0                  | 60*40*5mm angle flange |
| SD1C2600AF---- | 2600      | 1198      | 2.5                  | 60*40*5mm angle flange |
| SD1C2800AF---- | 2800      | 1198      | 2.5                  | 60*40*5mm angle flange |
| SD1C3000AF---- | 3000      | 1198      | 2.5                  | 60*40*5mm angle flange |
| SD1C3500AF---- | 3500      | 1198      | 2.5                  | 60*40*5mm angle flange |

# OFFSET DUCT >>>

(Sizes in mm)

## ORDERING INFORMATION

OS

1

C

0100

AF

----

/

F-

### Description (产品类型)

OS: OFFSET DUCT (偏心管)

### Material (材质)

- 1: SS304 (不锈钢304)
- 2: SS304L (不锈钢304L)
- 3: SS316L (不锈钢316L)

### Coating Yes/No (是否喷涂)

- C: ETFE Coated (ETFE 喷涂)
- S: Staines Steel Uncoated (不锈钢不喷涂)

### Connection (连接形式)

- AF: Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)
- AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)
- PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)
- PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)
- XF: Customized Flange (定制法兰)

### Diameter: D (直径)

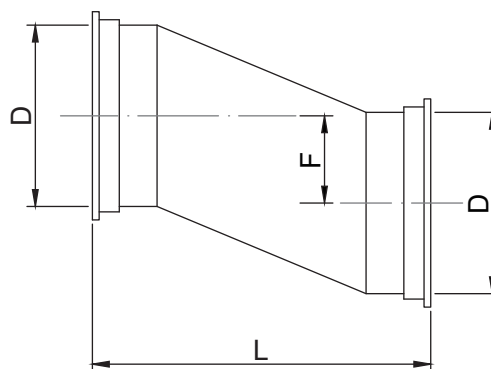
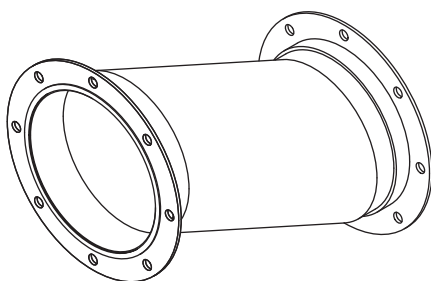
- $100\text{mm} \leq D \leq 3500\text{mm}$
- eg. 0500: Diameter 500mm (直径500mm)

### Offset: F (偏心量)

- eg. F100 :Offset 100mm (偏心100mm)

### Length: L (长度)

- $L \geq 150\text{mm}$
- eg. 0500 : Length 500mm (长度500mm)



## OFFSET DUCT >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN                | D<br>(mm) | L<br>(mm)  | F<br>(mm)  | W.T @-2500Pa<br>(mm) | Type of Flange         |
|-------------------|-----------|------------|------------|----------------------|------------------------|
| OS1C0100AF----/F- | 100       | Customized | Customized | 0.8                  | 25*15*3mm angle flange |
| OS1C0150AF----/F- | 150       |            |            | 0.8                  | 25*15*3mm angle flange |
| OS1C0200AF----/F- | 200       |            |            | 0.8                  | 25*15*3mm angle flange |
| OS1C0250AF----/F- | 250       |            |            | 0.8                  | 25*15*3mm angle flange |
| OS1C0300AF----/F- | 300       |            |            | 0.8                  | 25*15*3mm angle flange |
| OS1C0350AF----/F- | 350       |            |            | 1.0                  | 30*22*3mm angle flange |
| OS1C0400AF----/F- | 400       |            |            | 1.0                  | 40*22*3mm angle flange |
| OS1C0450AF----/F- | 450       |            |            | 1.0                  | 40*22*3mm angle flange |
| OS1C0500AF----/F- | 500       |            |            | 1.0                  | 46*34*4mm angle flange |
| OS1C0550AF----/F- | 550       |            |            | 1.0                  | 46*34*4mm angle flange |
| OS1C0600AF----/F- | 600       |            |            | 1.0                  | 46*34*4mm angle flange |
| OS1C0650AF----/F- | 650       |            |            | 1.0                  | 46*34*4mm angle flange |
| OS1C0700AF----/F- | 700       |            |            | 1.0                  | 46*34*4mm angle flange |
| OS1C0750AF----/F- | 750       |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C0800AF----/F- | 800       |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C0850AF----/F- | 850       |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C0900AF----/F- | 900       |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C0950AF----/F- | 950       |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C1000AF----/F- | 1000      |            |            | 1.2                  | 46*34*4mm angle flange |
| OS1C1050AF----/F- | 1050      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1100AF----/F- | 1100      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1150AF----/F- | 1150      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1200AF----/F- | 1200      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1250AF----/F- | 1250      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1300AF----/F- | 1300      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1350AF----/F- | 1350      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1400AF----/F- | 1400      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1450AF----/F- | 1450      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1500AF----/F- | 1500      |            |            | 1.5                  | 46*34*4mm angle flange |
| OS1C1600AF----/F- | 1600      |            |            | 2.0                  | 46*34*5mm angle flange |
| OS1C1700AF----/F- | 1700      |            |            | 2.0                  | 46*34*5mm angle flange |
| OS1C1800AF----/F- | 1800      |            |            | 2.0                  | 46*34*5mm angle flange |
| OS1C1900AF----/F- | 1900      |            |            | 2.0                  | 46*34*5mm angle flange |
| OS1C2000AF----/F- | 2000      |            |            | 2.0                  | 46*34*5mm angle flange |
| OS1C2100AF----/F- | 2100      |            |            | 2.0                  | 60*40*5mm angle flange |
| OS1C2200AF----/F- | 2200      |            |            | 2.0                  | 60*40*5mm angle flange |
| OS1C2300AF----/F- | 2300      |            |            | 2.0                  | 60*40*5mm angle flange |
| OS1C2400AF----/F- | 2400      |            |            | 2.0                  | 60*40*5mm angle flange |
| OS1C2500AF----/F- | 2500      |            |            | 2.0                  | 60*40*5mm angle flange |
| OS1C2600AF----/F- | 2600      |            |            | 2.5                  | 60*40*5mm angle flange |
| OS1C2800AF----/F- | 2800      |            |            | 2.5                  | 60*40*5mm angle flange |
| OS1C3000AF----/F- | 3000      |            |            | 2.5                  | 60*40*5mm angle flange |
| OS1C3500AF----/F- | 3500      |            |            | 2.5                  | 60*40*5mm angle flange |



90° ELBOW >>>  
(Sizes in mm)

ORDERING INFORMATION

9E

1

C

0100

AF

----

Description (产品类型)

9E : 90° ELBOW (90°弯头)

Material (材质)

- 1: SS304 (不锈钢304)  
2: SS304L (不锈钢304L)  
3: SS316L (不锈钢316L)

Coating Yes/No (是否喷涂)

- C: ETFE Coated (ETFE 喷涂)  
S: Stainles Steel Uncoated (不锈钢不喷涂)

Connection (连接形式)

- AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)  
AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)  
PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)  
PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)  
KF : SS304 KF Flanage, Fully Welded (不锈钢304 KF 法兰, 满焊)  
SF : SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)  
XF : Customized Flange (定制法兰)

Diameter: D (直径)

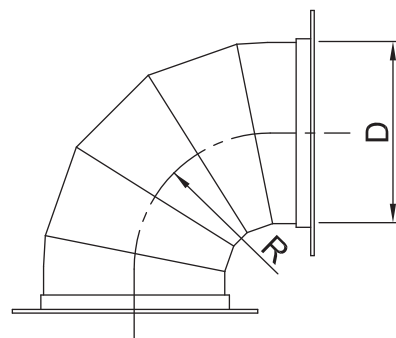
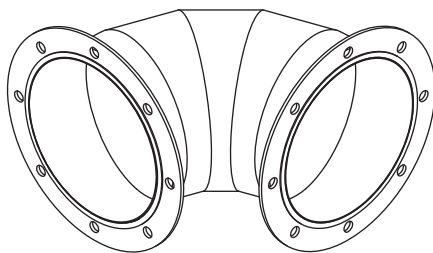
50mm ≤ D ≤ 2000mm

eg. 0100: Diameter 100mm (直径100mm)

Radius: R (半径)

---- : STD. Radius (标准半径)  
1.5D for D0050~D0075  
1.0D for D0100~D2000

Radius : 1.5D available



## 90° ELBOW >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | STD<br>Centric Radius | W.T @-2500Pa<br>(mm) | Gore Piece | Type of Flange         |
|----------------|-----------|-----------------------|----------------------|------------|------------------------|
| 9E1C0050KF---- | 50.8      | R=1.5D                | 1.65                 | —          | KF                     |
| 9E1C0075SF---- | 76.2      | R=1.5D                | 1.65                 | —          | ISO                    |
| 9E1C0100AF---- | 100       | R=1.0D                | 0.8                  | 4          | 25*15*3mm angle flange |
| 9E1C0150AF---- | 150       | R=1.0D                | 0.8                  | 5          | 25*15*3mm angle flange |
| 9E1C0200AF---- | 200       | R=1.0D                | 0.8                  | 5          | 25*15*3mm angle flange |
| 9E1C0250AF---- | 250       | R=1.0D                | 0.8                  | 5          | 25*15*3mm angle flange |
| 9E1C0300AF---- | 300       | R=1.0D                | 0.8                  | 5          | 25*15*3mm angle flange |
| 9E1C0350AF---- | 350       | R=1.0D                | 1.0                  | 5          | 30*22*3mm angle flange |
| 9E1C0400AF---- | 400       | R=1.0D                | 1.0                  | 5          | 40*22*3mm angle flange |
| 9E1C0450AF---- | 450       | R=1.0D                | 1.0                  | 5          | 40*22*3mm angle flange |
| 9E1C0500AF---- | 500       | R=1.0D                | 1.0                  | 5          | 46*34*4mm angle flange |
| 9E1C0550AF---- | 550       | R=1.0D                | 1.0                  | 5          | 46*34*4mm angle flange |
| 9E1C0600AF---- | 600       | R=1.0D                | 1.0                  | 5          | 46*34*4mm angle flange |
| 9E1C0650AF---- | 650       | R=1.0D                | 1.0                  | 5          | 46*34*4mm angle flange |
| 9E1C0700AF---- | 700       | R=1.0D                | 1.0                  | 5          | 46*34*4mm angle flange |
| 9E1C0750AF---- | 750       | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C0800AF---- | 800       | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C0850AF---- | 850       | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C0900AF---- | 900       | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C0950AF---- | 950       | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C1000AF---- | 1000      | R=1.0D                | 1.2                  | 5          | 46*34*4mm angle flange |
| 9E1C1050AF---- | 1050      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1100AF---- | 1100      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1150AF---- | 1150      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1200AF---- | 1200      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1250AF---- | 1250      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1300AF---- | 1300      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1350AF---- | 1350      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1400AF---- | 1400      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1450AF---- | 1450      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1500AF---- | 1500      | R=1.0D                | 1.5                  | 5          | 46*34*4mm angle flange |
| 9E1C1600AF---- | 1600      | R=1.0D                | 2.0                  | 5          | 46*34*5mm angle flange |
| 9E1C1700AF---- | 1700      | R=1.0D                | 2.0                  | 5          | 46*34*5mm angle flange |
| 9E1C1800AF---- | 1800      | R=1.0D                | 2.0                  | 5          | 46*34*5mm angle flange |
| 9E1C1900AF---- | 1900      | R=1.0D                | 2.0                  | 5          | 46*34*5mm angle flange |
| 9E1C2000AF---- | 2000      | R=1.0D                | 2.0                  | 5          | 46*34*5mm angle flange |

# 60° ELBOW >>> (Sizes in mm)

## ORDERING INFORMATION

DUCT & FITTING

6E

1

C

0100

AF

----

Description (产品类型)

6E : 60° ELBOW (60°弯头)

Material (材质)

1: SS304 (不锈钢304)

2: SS304L (不锈钢304L)

3: SS316L (不锈钢316L)

Coating Yes/No (是否喷涂)

C:ETFE Coated (ETFE 喷涂)

S: Staines Steel Uncoated (不锈钢不喷涂)

Connection (连接形式)

AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)

AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)

PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)

PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)

XF : Customized Flange (定制法兰)

Diameter: D (直径)

100mm ≤ D ≤ 2000mm

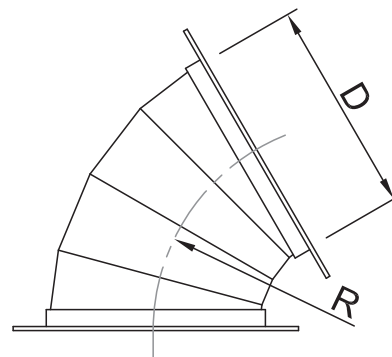
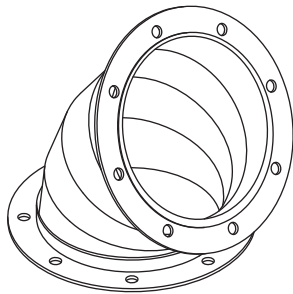
eg. 0100: Diameter 100mm (直径100mm)

Radius: R (半径)

---- : STD. Radius (标准半径)

1.0D for D0100~D2000

Radius : 1.5D available



## 60° ELBOW >>>

(Sizes in mm)

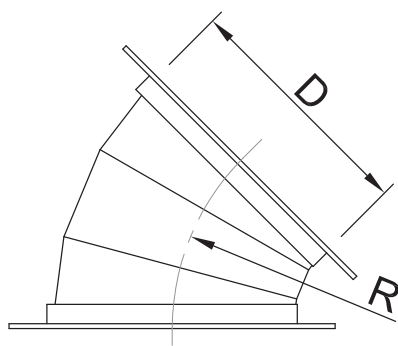
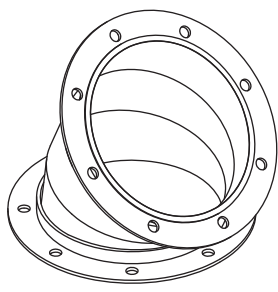
### STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | STD<br>Centric Radius | W.T @-2500Pa<br>(mm) | Gore Piece | Type of Flange         |
|----------------|-----------|-----------------------|----------------------|------------|------------------------|
| 6E1C0100AF---- | 100       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 6E1C0150AF---- | 150       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 6E1C0200AF---- | 200       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 6E1C0250AF---- | 250       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 6E1C0300AF---- | 300       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 6E1C0350AF---- | 350       | R=1.0D                | 1.0                  | 4          | 30*22*3mm angle flange |
| 6E1C0400AF---- | 400       | R=1.0D                | 1.0                  | 4          | 40*22*3mm angle flange |
| 6E1C0450AF---- | 450       | R=1.0D                | 1.0                  | 4          | 40*22*3mm angle flange |
| 6E1C0500AF---- | 500       | R=1.0D                | 1.0                  | 4          | 46*34*4mm angle flange |
| 6E1C0550AF---- | 550       | R=1.0D                | 1.0                  | 4          | 46*34*4mm angle flange |
| 6E1C0600AF---- | 600       | R=1.0D                | 1.0                  | 4          | 46*34*4mm angle flange |
| 6E1C0650AF---- | 650       | R=1.0D                | 1.0                  | 4          | 46*34*4mm angle flange |
| 6E1C0700AF---- | 700       | R=1.0D                | 1.0                  | 4          | 46*34*4mm angle flange |
| 6E1C0750AF---- | 750       | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C0800AF---- | 800       | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C0850AF---- | 850       | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C0900AF---- | 900       | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C0950AF---- | 950       | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C1000AF---- | 1000      | R=1.0D                | 1.2                  | 4          | 46*34*4mm angle flange |
| 6E1C1050AF---- | 1050      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1100AF---- | 1100      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1150AF---- | 1150      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1200AF---- | 1200      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1250AF---- | 1250      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1300AF---- | 1300      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1350AF---- | 1350      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1400AF---- | 1400      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1450AF---- | 1450      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1500AF---- | 1500      | R=1.0D                | 1.5                  | 4          | 46*34*4mm angle flange |
| 6E1C1600AF---- | 1600      | R=1.0D                | 2.0                  | 4          | 46*34*5mm angle flange |
| 6E1C1700AF---- | 1700      | R=1.0D                | 2.0                  | 4          | 46*34*5mm angle flange |
| 6E1C1800AF---- | 1800      | R=1.0D                | 2.0                  | 4          | 46*34*5mm angle flange |
| 6E1C1900AF---- | 1900      | R=1.0D                | 2.0                  | 4          | 46*34*5mm angle flange |
| 6E1C2000AF---- | 2000      | R=1.0D                | 2.0                  | 4          | 46*34*5mm angle flange |

45° ELBOW >>>  
(Sizes in mm)

ORDERING INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                                                                      |      |    |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------|------|----|------|
| 4E                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 | C                                                                                                                                    | 0100 | AF | ---- |
| <b>Description (产品类型)</b><br>4E : 45° ELBOW (45°弯头)                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                                                                      |      |    |      |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                                                                                                                                         |   |                                                                                                                                      |      |    |      |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                                                                                                                                                 |   |                                                                                                                                      |      |    |      |
| <b>Connection (连接形式)</b><br>AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>KF : SS304 KF Flange, Fully Welded (不锈钢304 KF 法兰, 满焊)<br>SF : SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)<br>XF : Customized Flange (定制法兰) |   |                                                                                                                                      |      |    |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |   | <b>Radius: R (半径)</b><br>---- : STD. Radius (标准半径)<br>1.5D for D0050~D0075<br>1.0D for D0100~D2800<br><b>Radius : 1.5D available</b> |      |    |      |





## 45° ELBOW >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | STD<br>Centric Radius | W.T @-2500Pa<br>(mm) | Gore Piece | Type of Flange         |
|----------------|-----------|-----------------------|----------------------|------------|------------------------|
| 4E1C0050KF---- | 50.8      | R=1.5D                | 1.65                 | —          | KF                     |
| 4E1C0075KF---- | 76.2      | R=1.5D                | 1.65                 | —          | ISO                    |
| 4E1C0100KF---- | 100       | R=1.0D                | 0.8                  | 2          | 25*15*3mm angle flange |
| 4E1C0150KF---- | 150       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 4E1C0200KF---- | 200       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 4E1C0250KF---- | 250       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 4E1C0300KF---- | 300       | R=1.0D                | 0.8                  | 3          | 25*15*3mm angle flange |
| 4E1C0350KF---- | 350       | R=1.0D                | 1.0                  | 3          | 30*22*3mm angle flange |
| 4E1C0400KF---- | 400       | R=1.0D                | 1.0                  | 3          | 40*22*3mm angle flange |
| 4E1C0450KF---- | 450       | R=1.0D                | 1.0                  | 3          | 40*22*3mm angle flange |
| 4E1C0500KF---- | 500       | R=1.0D                | 1.0                  | 3          | 46*34*4mm angle flange |
| 4E1C0550KF---- | 550       | R=1.0D                | 1.0                  | 3          | 46*34*4mm angle flange |
| 4E1C0600KF---- | 600       | R=1.0D                | 1.0                  | 3          | 46*34*4mm angle flange |
| 4E1C0650KF---- | 650       | R=1.0D                | 1.0                  | 3          | 46*34*4mm angle flange |
| 4E1C0700KF---- | 700       | R=1.0D                | 1.0                  | 3          | 46*34*4mm angle flange |
| 4E1C0750KF---- | 750       | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C0800KF---- | 800       | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C0850KF---- | 850       | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C0900KF---- | 900       | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C0950KF---- | 950       | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C1000KF---- | 1000      | R=1.0D                | 1.2                  | 3          | 46*34*4mm angle flange |
| 4E1C1050KF---- | 1050      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1100KF---- | 1100      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1150KF---- | 1150      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1200KF---- | 1200      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1250KF---- | 1250      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1300KF---- | 1300      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1350KF---- | 1350      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1400KF---- | 1400      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1450KF---- | 1450      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1500KF---- | 1500      | R=1.0D                | 1.5                  | 3          | 46*34*4mm angle flange |
| 4E1C1600KF---- | 1600      | R=1.0D                | 2.0                  | 3          | 46*34*5mm angle flange |
| 4E1C1700KF---- | 1700      | R=1.0D                | 2.0                  | 3          | 46*34*5mm angle flange |
| 4E1C1800KF---- | 1800      | R=1.0D                | 2.0                  | 3          | 46*34*5mm angle flange |
| 4E1C1900KF---- | 1900      | R=1.0D                | 2.0                  | 3          | 46*34*5mm angle flange |
| 4E1C2000KF---- | 2000      | R=1.0D                | 2.0                  | 3          | 46*34*5mm angle flange |
| 4E1C2100KF---- | 2100      | R=1.0D                | 2.0                  | 3          | 60*40*5mm angle flange |
| 4E1C2200KF---- | 2200      | R=1.0D                | 2.0                  | 3          | 60*40*5mm angle flange |
| 4E1C2300KF---- | 2300      | R=1.0D                | 2.0                  | 3          | 60*40*5mm angle flange |
| 4E1C2400KF---- | 2400      | R=1.0D                | 2.0                  | 3          | 60*40*5mm angle flange |
| 4E1C2500KF---- | 2500      | R=1.0D                | 2.0                  | 3          | 60*40*5mm angle flange |
| 4E1C2600KF---- | 2600      | R=1.0D                | 2.5                  | 3          | 60*40*5mm angle flange |
| 4E1C2800KF---- | 2800      | R=1.0D                | 2.5                  | 3          | 60*40*5mm angle flange |

**30° ELBOW >>>**  
(Sizes in mm)

**ORDERING INFORMATION**

**3E**

**1**

**C**

**0100**

**AF**

**----**

**Description (产品类型)**

**3E** : 30° ELBOW (30°弯头)

**Material (材质)**

- 1**: SS304 (不锈钢304)  
**2**: SS304L (不锈钢304L)  
**3**: SS316L (不锈钢316L)

**Coating Yes/No (是否喷涂)**

- C**: ETFE Coated (ETFE 喷涂)  
**S**: Stainles Steel Uncoated (不锈钢不喷涂)

**Connection (连接形式)**

- AF** : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)  
**AN** : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)  
**PF** : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)  
**PN** : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)  
**XF** : Customized Flange (定制法兰)

**Diameter: D (直径)**

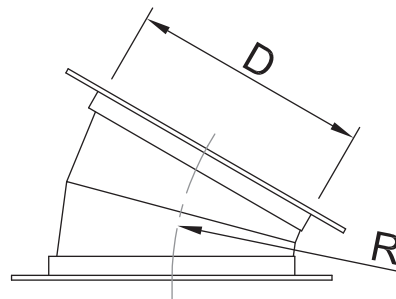
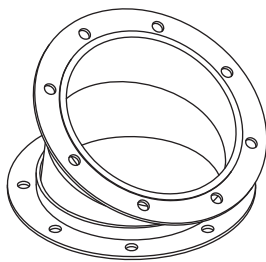
$100\text{mm} \leq D \leq 3500\text{mm}$

**eg. 0100**: Diameter 100mm (直径100mm)

**Radius: R (半径)**

**----** : STD. Radius (标准半径)  
1.0D for D0100~D3500

**Radius** : 1.5D available



## 30° ELBOW >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN             | D<br>(mm) | STD<br>Centric Radius | W.T @ -2500Pa<br>(mm) | Length on both sides<br>(mm) | Gore Piece | Type of Flange         |
|----------------|-----------|-----------------------|-----------------------|------------------------------|------------|------------------------|
| 3E1C0100AF---- | 100       | R=1.0D                | 0.8                   | 20                           | 2          | 25*15*3mm angle flange |
| 3E1C0150AF---- | 150       | R=1.0D                | 0.8                   | 20                           | 2          | 25*15*3mm angle flange |
| 3E1C0200AF---- | 200       | R=1.0D                | 0.8                   | 20                           | 2          | 25*15*3mm angle flange |
| 3E1C0250AF---- | 250       | R=1.0D                | 0.8                   |                              | 2          | 25*15*3mm angle flange |
| 3E1C0300AF---- | 300       | R=1.0D                | 0.8                   |                              | 2          | 25*15*3mm angle flange |
| 3E1C0350AF---- | 350       | R=1.0D                | 1.0                   |                              | 2          | 30*22*3mm angle flange |
| 3E1C0400AF---- | 400       | R=1.0D                | 1.0                   |                              | 2          | 40*22*3mm angle flange |
| 3E1C0450AF---- | 450       | R=1.0D                | 1.0                   |                              | 2          | 40*22*3mm angle flange |
| 3E1C0500AF---- | 500       | R=1.0D                | 1.0                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0550AF---- | 550       | R=1.0D                | 1.0                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0600AF---- | 600       | R=1.0D                | 1.0                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0650AF---- | 650       | R=1.0D                | 1.0                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0700AF---- | 700       | R=1.0D                | 1.0                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0750AF---- | 750       | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0800AF---- | 800       | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0850AF---- | 850       | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0900AF---- | 900       | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C0950AF---- | 950       | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1000AF---- | 1000      | R=1.0D                | 1.2                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1050AF---- | 1050      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1100AF---- | 1100      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1150AF---- | 1150      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1200AF---- | 1200      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1250AF---- | 1250      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1300AF---- | 1300      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1350AF---- | 1350      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1400AF---- | 1400      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1450AF---- | 1450      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1500AF---- | 1500      | R=1.0D                | 1.5                   |                              | 3          | 46*34*4mm angle flange |
| 3E1C1600AF---- | 1600      | R=1.0D                | 2.0                   |                              | 3          | 46*34*5mm angle flange |
| 3E1C1700AF---- | 1700      | R=1.0D                | 2.0                   |                              | 3          | 46*34*5mm angle flange |
| 3E1C1800AF---- | 1800      | R=1.0D                | 2.0                   |                              | 3          | 46*34*5mm angle flange |
| 3E1C1900AF---- | 1900      | R=1.0D                | 2.0                   |                              | 3          | 46*34*5mm angle flange |
| 3E1C2000AF---- | 2000      | R=1.0D                | 2.0                   |                              | 3          | 46*34*5mm angle flange |
| 3E1C2100AF---- | 2100      | R=1.0D                | 2.0                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2200AF---- | 2200      | R=1.0D                | 2.0                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2300AF---- | 2300      | R=1.0D                | 2.0                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2400AF---- | 2400      | R=1.0D                | 2.0                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2500AF---- | 2500      | R=1.0D                | 2.0                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2600AF---- | 2600      | R=1.0D                | 2.5                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C2800AF---- | 2800      | R=1.0D                | 2.5                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C3000AF---- | 3000      | R=1.0D                | 2.5                   |                              | 3          | 60*40*5mm angle flange |
| 3E1C3500AF---- | 3500      | R=1.0D                | 2.5                   |                              | 3          | 60*40*5mm angle flange |

# 15° ELBOW >>>

(Sizes in mm)

## ORDERING INFORMATION

1E

1

C

0100

AF

----

### Description (产品类型)

1E : 15° ELBOW (15°弯头)

### Material (材质)

- 1: SS304 (不锈钢304)
- 2: SS304L (不锈钢304L)
- 3: SS316L (不锈钢316L)

### Coating Yes/No (是否喷涂)

- C: ETFE Coated (ETFE 喷涂)
- S: Stainless Steel Uncoated (不锈钢不喷涂)

### Connection (连接形式)

- AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)
- AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)
- PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)
- PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)
- XF : Customized Flange (定制法兰)

### Diameter: D (直径)

100mm ≤ D ≤ 3500mm

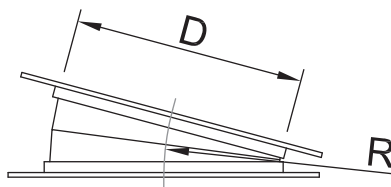
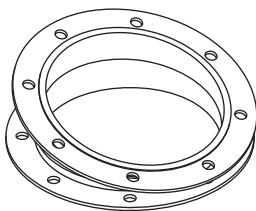
eg. 0100: Diameter 100mm (直径100mm)

### Radius: R (半径)

---- : STD. Radius (标准半径)

1.0D for D0100~D3500

Radius : 1.5D available



## 15° ELBOW >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

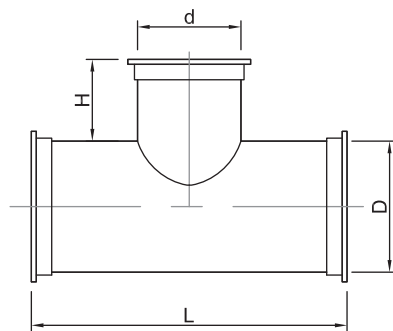
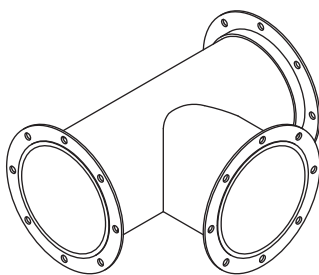
| PN             | D<br>(mm) | STD<br>Centric Radius | W.T @-2500Pa<br>(mm) | Length on both sides<br>(mm) | Gore Piece | Type of Flange         |
|----------------|-----------|-----------------------|----------------------|------------------------------|------------|------------------------|
| 1E1C0100AF---- | 100       | R=1.0D                | 0.8                  | 20                           | 2          | 25*15*3mm angle flange |
| 1E1C0150AF---- | 150       | R=1.0D                | 0.8                  | 20                           | 2          | 25*15*3mm angle flange |
| 1E1C0200AF---- | 200       | R=1.0D                | 0.8                  | 20                           | 2          | 25*15*3mm angle flange |
| 1E1C0250AF---- | 250       | R=1.0D                | 0.8                  | 20                           | 2          | 25*15*3mm angle flange |
| 1E1C0300AF---- | 300       | R=1.0D                | 0.8                  | 20                           | 2          | 25*15*3mm angle flange |
| 1E1C0350AF---- | 350       | R=1.0D                | 1.0                  | 20                           | 2          | 30*22*3mm angle flange |
| 1E1C0400AF---- | 400       | R=1.0D                | 1.0                  | 20                           | 2          | 40*22*3mm angle flange |
| 1E1C0450AF---- | 450       | R=1.0D                | 1.0                  | 20                           | 2          | 40*22*3mm angle flange |
| 1E1C0500AF---- | 500       | R=1.0D                | 1.0                  | 20                           | 2          | 46*34*4mm angle flange |
| 1E1C0550AF---- | 550       | R=1.0D                | 1.0                  | 20                           | 2          | 46*34*4mm angle flange |
| 1E1C0600AF---- | 600       | R=1.0D                | 1.0                  | 20                           | 2          | 46*34*4mm angle flange |
| 1E1C0650AF---- | 650       | R=1.0D                | 1.0                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0700AF---- | 700       | R=1.0D                | 1.0                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0750AF---- | 750       | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0800AF---- | 800       | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0850AF---- | 850       | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0900AF---- | 900       | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C0950AF---- | 950       | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1000AF---- | 1000      | R=1.0D                | 1.2                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1050AF---- | 1050      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1100AF---- | 1100      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1150AF---- | 1150      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1200AF---- | 1200      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1250AF---- | 1250      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1300AF---- | 1300      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1350AF---- | 1350      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1400AF---- | 1400      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1450AF---- | 1450      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1500AF---- | 1500      | R=1.0D                | 1.5                  |                              | 2          | 46*34*4mm angle flange |
| 1E1C1600AF---- | 1600      | R=1.0D                | 2.0                  |                              | 2          | 46*34*5mm angle flange |
| 1E1C1700AF---- | 1700      | R=1.0D                | 2.0                  |                              | 2          | 46*34*5mm angle flange |
| 1E1C1800AF---- | 1800      | R=1.0D                | 2.0                  |                              | 2          | 46*34*5mm angle flange |
| 1E1C1900AF---- | 1900      | R=1.0D                | 2.0                  |                              | 2          | 46*34*5mm angle flange |
| 1E1C2000AF---- | 2000      | R=1.0D                | 2.0                  |                              | 2          | 46*34*5mm angle flange |
| 1E1C2100AF---- | 2100      | R=1.0D                | 2.0                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2200AF---- | 2200      | R=1.0D                | 2.0                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2300AF---- | 2300      | R=1.0D                | 2.0                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2400AF---- | 2400      | R=1.0D                | 2.0                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2500AF---- | 2500      | R=1.0D                | 2.0                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2600AF---- | 2600      | R=1.0D                | 2.5                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C2800AF---- | 2800      | R=1.0D                | 2.5                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C3000AF---- | 3000      | R=1.0D                | 2.5                  |                              | 2          | 60*40*5mm angle flange |
| 1E1C3500AF---- | 3500      | R=1.0D                | 2.5                  |                              | 2          | 60*40*5mm angle flange |

# STRAIGHE TEE >>>

(Sizes in mm)

## ORDERING INFORMATION

| TT                                                               | 1 | C | 0100 | AF                                     | ---- | / | d- | H- |
|------------------------------------------------------------------|---|---|------|----------------------------------------|------|---|----|----|
| <b>Description (产品类型)</b>                                        |   |   |      | <b>Tap Size: d (开口尺寸)</b>              |      |   |    |    |
| TT : STRAIGHE TEE (直三通)                                          |   |   |      | eg. d100 : Tap Size 100mm (开口尺寸100mm)  |      |   |    |    |
| <b>Material (材质)</b>                                             |   |   |      | <b>Tap Height: H (开口高度)</b>            |      |   |    |    |
| 1: SS304 (不锈钢304)                                                |   |   |      | 75mm ≤ H ≤ 200mm                       |      |   |    |    |
| 2: SS304L (不锈钢304L)                                              |   |   |      | <b>STD H</b> : 70.8mm for D0050        |      |   |    |    |
| 3: SS316L (不锈钢316L)                                              |   |   |      | 52mm for D0075                         |      |   |    |    |
|                                                                  |   |   |      | 100mm for D0100~D3500                  |      |   |    |    |
| <b>Coating Yes/No (是否喷涂)</b>                                     |   |   |      | eg. H200: Tap Height 200mm (开口高度200mm) |      |   |    |    |
| C: ETFE Coated (ETFE 喷涂)                                         |   |   |      | <b>Length: L (长度)</b>                  |      |   |    |    |
| S: Stainles Steel Uncoated (不锈钢不喷涂)                              |   |   |      | ---- : STD. Length (标准长度)              |      |   |    |    |
| <b>Connection (连接形式)</b>                                         |   |   |      | 192.4mm for D0050                      |      |   |    |    |
| AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊) |   |   |      | 180.2mm for D0075                      |      |   |    |    |
| AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)        |   |   |      | d+200mm for D0100~D3500                |      |   |    |    |
| PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)              |   |   |      | eg. 0500 : Length 500mm (长度500mm)      |      |   |    |    |
| PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)         |   |   |      |                                        |      |   |    |    |
| KF : SS304 KF Flanage, Fully Welded (不锈钢304 KF 法兰, 满焊)           |   |   |      |                                        |      |   |    |    |
| SF : SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)          |   |   |      |                                        |      |   |    |    |
| XF : Customized Flange (定制法兰)                                    |   |   |      |                                        |      |   |    |    |





## STRAIGHE TEE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

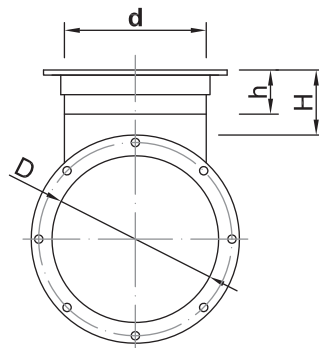
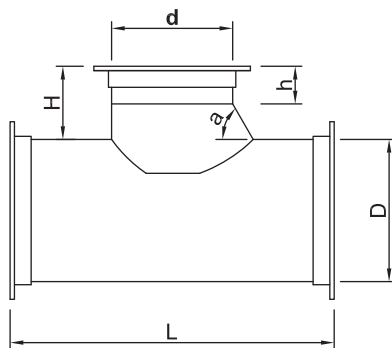
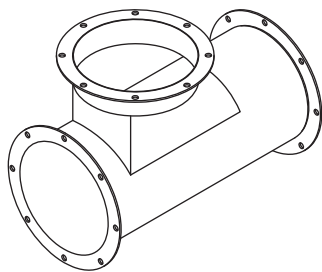
| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|----------------------|------------------------|
| TT1C0050AF----/d-H- | 50.8      | 70.8      | 192.4     | 1.65                 | KF                     |
| TT1C0075AF----/d-H- | 76.2      | 52        | 180.2     | 1.65                 | ISO                    |
| TT1C0100AF----/d-H- | 100       | 100       | d+200     | 0.8                  | 25*15*3mm angle flange |
| TT1C0150AF----/d-H- | 150       | 100       | d+200     | 0.8                  | 25*15*3mm angle flange |
| TT1C0200AF----/d-H- | 200       | 100       | d+200     | 0.8                  | 25*15*3mm angle flange |
| TT1C0250AF----/d-H- | 250       | 100       | d+200     | 0.8                  | 25*15*3mm angle flange |
| TT1C0300AF----/d-H- | 300       | 100       | d+200     | 0.8                  | 25*15*3mm angle flange |
| TT1C0350AF----/d-H- | 350       | 100       | d+200     | 1.0                  | 30*22*3mm angle flange |
| TT1C0400AF----/d-H- | 400       | 100       | d+200     | 1.0                  | 40*20*3mm angle flange |
| TT1C0450AF----/d-H- | 450       | 100       | d+200     | 1.0                  | 40*20*3mm angle flange |
| TT1C0500AF----/d-H- | 500       | 100       | d+200     | 1.0                  | 46*34*4mm angle flange |
| TT1C0550AF----/d-H- | 550       | 100       | d+200     | 1.0                  | 46*34*4mm angle flange |
| TT1C0600AF----/d-H- | 600       | 100       | d+200     | 1.0                  | 46*34*4mm angle flange |
| TT1C0650AF----/d-H- | 650       | 100       | d+200     | 1.0                  | 46*34*4mm angle flange |
| TT1C0700AF----/d-H- | 700       | 100       | d+200     | 1.0                  | 46*34*4mm angle flange |
| TT1C0750AF----/d-H- | 750       | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C0800AF----/d-H- | 800       | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C0850AF----/d-H- | 850       | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C0900AF----/d-H- | 900       | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C0950AF----/d-H- | 950       | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C1000AF----/d-H- | 1000      | 100       | d+200     | 1.2                  | 46*34*4mm angle flange |
| TT1C1050AF----/d-H- | 1050      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1100AF----/d-H- | 1100      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1150AF----/d-H- | 1150      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1200AF----/d-H- | 1200      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1250AF----/d-H- | 1250      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1300AF----/d-H- | 1300      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1350AF----/d-H- | 1350      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1400AF----/d-H- | 1400      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1450AF----/d-H- | 1450      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1500AF----/d-H- | 1500      | 100       | d+200     | 1.5                  | 46*34*4mm angle flange |
| TT1C1600AF----/d-H- | 1600      | 100       | d+200     | 2.0                  | 46*34*5mm angle flange |
| TT1C1700AF----/d-H- | 1700      | 100       | d+200     | 2.0                  | 46*34*5mm angle flange |
| TT1C1800AF----/d-H- | 1800      | 100       | d+200     | 2.0                  | 46*34*5mm angle flange |
| TT1C1900AF----/d-H- | 1900      | 100       | d+200     | 2.0                  | 46*34*5mm angle flange |
| TT1C2000AF----/d-H- | 2000      | 100       | d+200     | 2.0                  | 46*34*5mm angle flange |
| TT1C2100AF----/d-H- | 2100      | 100       | d+200     | 2.0                  | 60*40*5mm angle flange |
| TT1C2200AF----/d-H- | 2200      | 100       | d+200     | 2.0                  | 60*40*5mm angle flange |
| TT1C2300AF----/d-H- | 2300      | 100       | d+200     | 2.0                  | 60*40*5mm angle flange |
| TT1C2400AF----/d-H- | 2400      | 100       | d+200     | 2.0                  | 60*40*5mm angle flange |
| TT1C2500AF----/d-H- | 2500      | 100       | d+200     | 2.0                  | 60*40*5mm angle flange |
| TT1C2600AF----/d-H- | 2600      | 100       | d+200     | 2.5                  | 60*40*5mm angle flange |
| TT1C2800AF----/d-H- | 2800      | 100       | d+200     | 2.5                  | 60*40*5mm angle flange |
| TT1C3000AF----/d-H- | 3000      | 100       | d+200     | 2.5                  | 60*40*5mm angle flange |
| TT1C3500AF----/d-H- | 3500      | 100       | d+200     | 2.5                  | 60*40*5mm angle flange |

# SINGLE BOOT TEE >>>

(Sizes in mm)

## ORDERING INFORMATION

| TS                                                                                                                                                                                                                                                                                | 1 | C | 0100                                                            | AF | ---- | /                                                                                             | d- | H- |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----------------------------------------------------------------|----|------|-----------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b>                                                                                                                                                                                                                                                         |   |   | <b>Diameter: D (直径)</b>                                         |    |      | <b>Tap Size: d (开口尺寸)</b>                                                                     |    |    |
| TS : SINGLE BOOT TEE<br>(单扩三通)                                                                                                                                                                                                                                                    |   |   | 100mm ≤ D ≤ 3500mm<br><b>eg. 0100:</b> Diameter 100mm (直径100mm) |    |      | <b>eg. d100 :</b> Tap Size 100mm (开口尺寸100mm)                                                  |    |    |
| <b>Material (材质)</b>                                                                                                                                                                                                                                                              |   |   | <b>Coating Yes/No (是否喷涂)</b>                                    |    |      | <b>Tap Height: H (开口高度)</b>                                                                   |    |    |
| 1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                   |   |   |                                                                 |    |      | 100mm ≤ H ≤ 250mm<br><b>STD H :</b> 150mm<br><b>eg. H200:</b> Tap Height 200mm<br>(开口高度200mm) |    |    |
| <b>Connection (连接形式)</b>                                                                                                                                                                                                                                                          |   |   | <b>Length: L (长度)</b>                                           |    |      | ---- : STD. Length (标准长度)<br>d+300<br><b>eg. 0500 :</b> Length 500mm (长度500mm)                |    |    |
| AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |   |   |                                                                 |    |      |                                                                                               |    |    |



## SINGLE BOOT TEE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

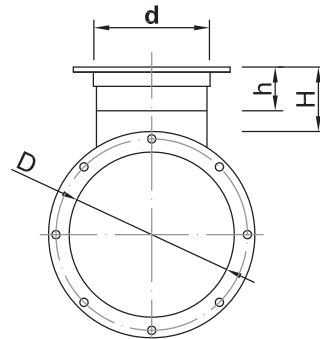
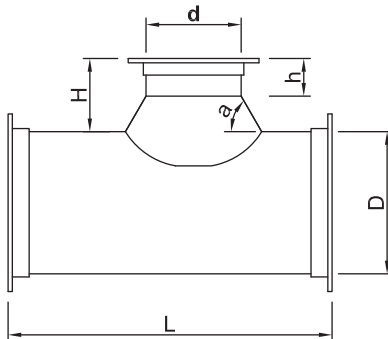
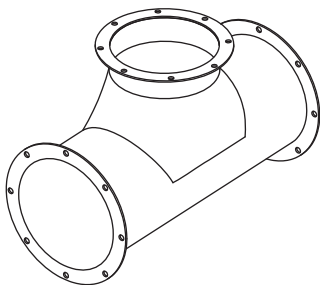
| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | a<br>(°) | h<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|----------------------|----------|-----------|------------------------|
| TS1C0100AF----/d-H- | 100       | 150       | d+300     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TS1C0150AF----/d-H- | 150       | 150       | d+300     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TS1C0200AF----/d-H- | 200       | 150       | d+300     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TS1C0250AF----/d-H- | 250       | 150       | d+300     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TS1C0300AF----/d-H- | 300       | 150       | d+300     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TS1C0350AF----/d-H- | 350       | 150       | d+300     | 1.0                  | 45       | 50        | 30*22*3mm angle flange |
| TS1C0400AF----/d-H- | 400       | 150       | d+300     | 1.0                  | 45       | 50        | 40*20*3mm angle flange |
| TS1C0450AF----/d-H- | 450       | 150       | d+300     | 1.0                  | 45       | 50        | 40*20*3mm angle flange |
| TS1C0500AF----/d-H- | 500       | 150       | d+300     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0550AF----/d-H- | 550       | 150       | d+300     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0600AF----/d-H- | 600       | 150       | d+300     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0650AF----/d-H- | 650       | 150       | d+300     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0700AF----/d-H- | 700       | 150       | d+300     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0750AF----/d-H- | 750       | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0800AF----/d-H- | 800       | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0850AF----/d-H- | 850       | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0900AF----/d-H- | 900       | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C0950AF----/d-H- | 950       | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1000AF----/d-H- | 1000      | 150       | d+300     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1050AF----/d-H- | 1050      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1100AF----/d-H- | 1100      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1150AF----/d-H- | 1150      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1200AF----/d-H- | 1200      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1250AF----/d-H- | 1250      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1300AF----/d-H- | 1300      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1350AF----/d-H- | 1350      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1400AF----/d-H- | 1400      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1450AF----/d-H- | 1450      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1500AF----/d-H- | 1500      | 150       | d+300     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TS1C1600AF----/d-H- | 1600      | 150       | d+300     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TS1C1700AF----/d-H- | 1700      | 150       | d+300     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TS1C1800AF----/d-H- | 1800      | 150       | d+300     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TS1C1900AF----/d-H- | 1900      | 150       | d+300     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TS1C2000AF----/d-H- | 2000      | 150       | d+300     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TS1C2100AF----/d-H- | 2100      | 150       | d+300     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2200AF----/d-H- | 2200      | 150       | d+300     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2300AF----/d-H- | 2300      | 150       | d+300     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2400AF----/d-H- | 2400      | 150       | d+300     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2500AF----/d-H- | 2500      | 150       | d+300     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2600AF----/d-H- | 2600      | 150       | d+300     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C2800AF----/d-H- | 2800      | 150       | d+300     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C3000AF----/d-H- | 3000      | 150       | d+300     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TS1C3500AF----/d-H- | 3500      | 150       | d+300     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |

# DOUBLE BOOT TEE >>>

(Sizes in mm)

## ORDERING INFORMATION

| TB                                                                                                                                                                                                                                                                                                          | 1 | C | 0100                                                                                                      | AF | ---- | /                                                                                                                                        | d- | H- |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----------------------------------------------------------------------------------------------------------|----|------|------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br>TB : DOUBLE BOOT TEE (双扩三通)                                                                                                                                                                                                                                                    |   |   | <b>Diameter: D (直径)</b><br>$100\text{mm} \leq D \leq 3500\text{mm}$<br>eg. 0100: Diameter 100mm (直径100mm) |    |      | <b>Tap Size: d (开口尺寸)</b><br>eg. d100 : Tap Size 100mm (开口尺寸100mm)                                                                       |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                     |   |   |                                                                                                           |    |      | <b>Tap Height: H (开口高度)</b><br>$100\text{mm} \leq H \leq 250\text{mm}$<br><b>STD H : 150mm</b><br>eg. H200: Tap Height 200mm (开口高度200mm) |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                             |   |   |                                                                                                           |    |      |                                                                                                                                          |    |    |
| <b>Connection (连接形式)</b><br>AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |   |   |                                                                                                           |    |      | <b>Length: L (长度)</b><br>---- : STD. Length (标准长度)<br>d+400<br>eg. 0500 : Length 500mm (长度500mm)                                         |    |    |



## DOUBLE BOOT TEE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

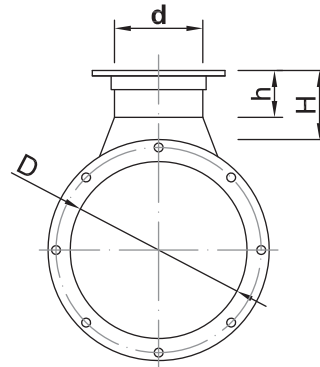
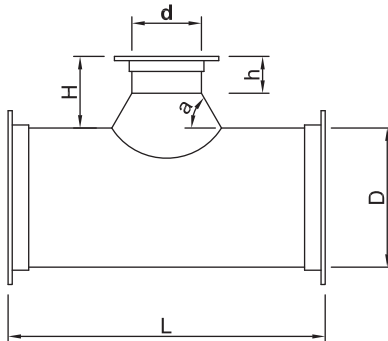
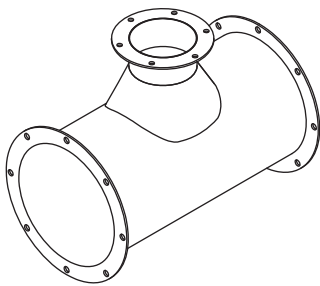
| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | a<br>(°) | h<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|----------------------|----------|-----------|------------------------|
| TB1C0100AF----/d-H- | 100       | 150       | d+400     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TB1C0150AF----/d-H- | 150       | 150       | d+400     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TB1C0200AF----/d-H- | 200       | 150       | d+400     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TB1C0250AF----/d-H- | 250       | 150       | d+400     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TB1C0300AF----/d-H- | 300       | 150       | d+400     | 0.8                  | 45       | 50        | 25*15*3mm angle flange |
| TB1C0350AF----/d-H- | 350       | 150       | d+400     | 1.0                  | 45       | 50        | 30*22*3mm angle flange |
| TB1C0400AF----/d-H- | 400       | 150       | d+400     | 1.0                  | 45       | 50        | 40*20*3mm angle flange |
| TB1C0450AF----/d-H- | 450       | 150       | d+400     | 1.0                  | 45       | 50        | 40*20*3mm angle flange |
| TB1C0500AF----/d-H- | 500       | 150       | d+400     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0550AF----/d-H- | 550       | 150       | d+400     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0600AF----/d-H- | 600       | 150       | d+400     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0650AF----/d-H- | 650       | 150       | d+400     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0700AF----/d-H- | 700       | 150       | d+400     | 1.0                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0750AF----/d-H- | 750       | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0800AF----/d-H- | 800       | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0850AF----/d-H- | 850       | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0900AF----/d-H- | 900       | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C0950AF----/d-H- | 950       | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1000AF----/d-H- | 1000      | 150       | d+400     | 1.2                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1050AF----/d-H- | 1050      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1100AF----/d-H- | 1100      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1150AF----/d-H- | 1150      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1200AF----/d-H- | 1200      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1250AF----/d-H- | 1250      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1300AF----/d-H- | 1300      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1350AF----/d-H- | 1350      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1400AF----/d-H- | 1400      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1450AF----/d-H- | 1450      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1500AF----/d-H- | 1500      | 150       | d+400     | 1.5                  | 45       | 50        | 46*34*4mm angle flange |
| TB1C1600AF----/d-H- | 1600      | 150       | d+400     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TB1C1700AF----/d-H- | 1700      | 150       | d+400     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TB1C1800AF----/d-H- | 1800      | 150       | d+400     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TB1C1900AF----/d-H- | 1900      | 150       | d+400     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TB1C2000AF----/d-H- | 2000      | 150       | d+400     | 2.0                  | 45       | 50        | 46*34*5mm angle flange |
| TB1C2100AF----/d-H- | 2100      | 150       | d+400     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2200AF----/d-H- | 2200      | 150       | d+400     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2300AF----/d-H- | 2300      | 150       | d+400     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2400AF----/d-H- | 2400      | 150       | d+400     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2500AF----/d-H- | 2500      | 150       | d+400     | 2.0                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2600AF----/d-H- | 2600      | 150       | d+400     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C2800AF----/d-H- | 2800      | 150       | d+400     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C3000AF----/d-H- | 3000      | 150       | d+400     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |
| TB1C3500AF----/d-H- | 3500      | 150       | d+400     | 2.5                  | 45       | 50        | 60*40*5mm angle flange |

# CONICAL TEE >>>

(Sizes in mm)

## ORDERING INFORMATION

| TO                                                                                                                                                                                                                                                                                                          | 1 | C | 0250                                                                                                      | AF | ---- | /                                                                                                                                 | d- | H- |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----------------------------------------------------------------------------------------------------------|----|------|-----------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br>TO: CONICAL TEE (圆扩三通)                                                                                                                                                                                                                                                         |   |   | <b>Diameter: D (直径)</b><br>$250\text{mm} \leq D \leq 3500\text{mm}$<br>eg. 0250: Diameter 250mm (直径250mm) |    |      | <b>Tap Size: d (开口尺寸)</b><br>eg. d100 : Tap Size 100mm (开口尺寸100mm)                                                                |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                     |   |   |                                                                                                           |    |      | <b>Tap Height: H (开口高度)</b><br>$100\text{mm} \leq H \leq 250\text{mm}$<br>STD H : 150mm<br>eg. H200: Tap Height 200mm (开口高度200mm) |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                             |   |   |                                                                                                           |    |      |                                                                                                                                   |    |    |
| <b>Connection (连接形式)</b><br>AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |   |   |                                                                                                           |    |      | <b>Length: L (长度)</b><br>---- : STD. Length (标准长度)<br>$d+400$<br>eg. 0500 : Length 500mm (长度500mm)                                |    |    |





## CONICAL TEE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

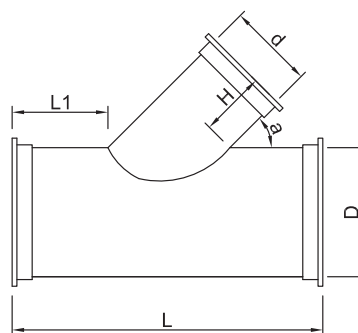
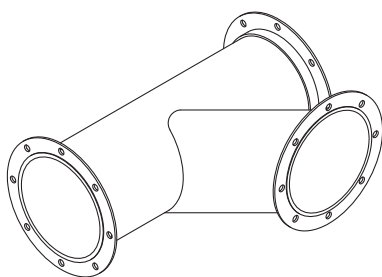
| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | a<br>(°) | h<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|----------------------|----------|-----------|------------------------|
| TO1C0100AF----/d-H- | 100       | 150       | d+400     | 0.8                  | 60       | 50        | 25*15*3mm angle flange |
| TO1C0150AF----/d-H- | 150       | 150       | d+400     | 0.8                  | 60       | 50        | 25*15*3mm angle flange |
| TO1C0200AF----/d-H- | 200       | 150       | d+400     | 0.8                  | 60       | 50        | 25*15*3mm angle flange |
| TO1C0250AF----/d-H- | 250       | 150       | d+400     | 0.8                  | 60       | 50        | 25*15*3mm angle flange |
| TO1C0300AF----/d-H- | 300       | 150       | d+400     | 0.8                  | 60       | 50        | 25*15*3mm angle flange |
| TO1C0350AF----/d-H- | 350       | 150       | d+400     | 1.0                  | 60       | 50        | 30*22*3mm angle flange |
| TO1C0400AF----/d-H- | 400       | 150       | d+400     | 1.0                  | 60       | 50        | 40*20*3mm angle flange |
| TO1C0450AF----/d-H- | 450       | 150       | d+400     | 1.0                  | 60       | 50        | 40*20*3mm angle flange |
| TO1C0500AF----/d-H- | 500       | 150       | d+400     | 1.0                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0550AF----/d-H- | 550       | 150       | d+400     | 1.0                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0600AF----/d-H- | 600       | 150       | d+400     | 1.0                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0650AF----/d-H- | 650       | 150       | d+400     | 1.0                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0700AF----/d-H- | 700       | 150       | d+400     | 1.0                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0750AF----/d-H- | 750       | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0800AF----/d-H- | 800       | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0850AF----/d-H- | 850       | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0900AF----/d-H- | 900       | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C0950AF----/d-H- | 950       | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1000AF----/d-H- | 1000      | 150       | d+400     | 1.2                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1050AF----/d-H- | 1050      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1100AF----/d-H- | 1100      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1150AF----/d-H- | 1150      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1200AF----/d-H- | 1200      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1250AF----/d-H- | 1250      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1300AF----/d-H- | 1300      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1350AF----/d-H- | 1350      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1400AF----/d-H- | 1400      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1450AF----/d-H- | 1450      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1500AF----/d-H- | 1500      | 150       | d+400     | 1.5                  | 60       | 50        | 46*34*4mm angle flange |
| TO1C1600AF----/d-H- | 1600      | 150       | d+400     | 2.0                  | 60       | 50        | 46*34*5mm angle flange |
| TO1C1700AF----/d-H- | 1700      | 150       | d+400     | 2.0                  | 60       | 50        | 46*34*5mm angle flange |
| TO1C1800AF----/d-H- | 1800      | 150       | d+400     | 2.0                  | 60       | 50        | 46*34*5mm angle flange |
| TO1C1900AF----/d-H- | 1900      | 150       | d+400     | 2.0                  | 60       | 50        | 46*34*5mm angle flange |
| TO1C2000AF----/d-H- | 2000      | 150       | d+400     | 2.0                  | 60       | 50        | 46*34*5mm angle flange |
| TO1C2100AF----/d-H- | 2100      | 150       | d+400     | 2.0                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2200AF----/d-H- | 2200      | 150       | d+400     | 2.0                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2300AF----/d-H- | 2300      | 150       | d+400     | 2.0                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2400AF----/d-H- | 2400      | 150       | d+400     | 2.0                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2500AF----/d-H- | 2500      | 150       | d+400     | 2.0                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2600AF----/d-H- | 2600      | 150       | d+400     | 2.5                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C2800AF----/d-H- | 2800      | 150       | d+400     | 2.5                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C3000AF----/d-H- | 3000      | 150       | d+400     | 2.5                  | 60       | 50        | 60*40*5mm angle flange |
| TO1C3500AF----/d-H- | 3500      | 150       | d+400     | 2.5                  | 60       | 50        | 60*40*5mm angle flange |

# Y LATERAL TEE >>>

(Sizes in mm)

## ORDERING INFORMATION

| TY                                                                                                                                                                                                                                                                                                          | 1 | C | 0100                                                                                                             | AF | ---- | /                                                                                                                                               | d- | H- |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|------------------------------------------------------------------------------------------------------------------|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br>TY : Y LATERAL TEE (Y型斜三通)                                                                                                                                                                                                                                                     |   |   | <b>Diameter: D (直径)</b><br>$100\text{mm} \leq D \leq 3500\text{mm}$<br><b>eg. 0100:</b> Diameter 100mm (直径100mm) |    |      | <b>Tap Size: d (开口尺寸)</b><br><b>eg. d100 :</b> Tap Size 100mm (开口尺寸100mm)                                                                       |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                     |   |   |                                                                                                                  |    |      | <b>Tap Height: H (开口高度)</b><br>$100\text{mm} \leq H \leq 250\text{mm}$<br><b>STD H :</b> 150mm<br><b>eg. H200:</b> Tap Height 200mm (开口高度200mm) |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                             |   |   |                                                                                                                  |    |      |                                                                                                                                                 |    |    |
| <b>Connection (连接形式)</b><br>AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |   |   |                                                                                                                  |    |      | <b>Length: L (长度)</b><br>---- : STD. Length (标准长度)<br>$1.5d+250\text{mm}$ for D0100-D3500<br><b>eg. 0500 :</b> Length 500mm (长度500mm)           |    |    |



## Y LATERAL TEE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | L1<br>(mm) | W.T @-2500Pa<br>(mm) | a<br>(°) | Type of Flange         |
|---------------------|-----------|-----------|-----------|------------|----------------------|----------|------------------------|
| TY1C0100AF----/d-H- | 100       | 150       | 1.5d+250  | 75         | 0.8                  | 45       | 25*15*3mm angle flange |
| TY1C0150AF----/d-H- | 150       | 150       | 1.5d+250  | 75         | 0.8                  | 45       | 25*15*3mm angle flange |
| TY1C0200AF----/d-H- | 200       | 150       | 1.5d+250  | 75         | 0.8                  | 45       | 25*15*3mm angle flange |
| TY1C0250AF----/d-H- | 250       | 150       | 1.5d+250  | 75         | 0.8                  | 45       | 25*15*3mm angle flange |
| TY1C0300AF----/d-H- | 300       | 150       | 1.5d+250  | 75         | 0.8                  | 45       | 25*15*3mm angle flange |
| TY1C0350AF----/d-H- | 350       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 30*22*3mm angle flange |
| TY1C0400AF----/d-H- | 400       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 40*20*3mm angle flange |
| TY1C0450AF----/d-H- | 450       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 40*20*3mm angle flange |
| TY1C0500AF----/d-H- | 500       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 46*34*4mm angle flange |
| TY1C0550AF----/d-H- | 550       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 46*34*4mm angle flange |
| TY1C0600AF----/d-H- | 600       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 46*34*4mm angle flange |
| TY1C0650AF----/d-H- | 650       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 46*34*4mm angle flange |
| TY1C0700AF----/d-H- | 700       | 150       | 1.5d+250  | 75         | 1.0                  | 45       | 46*34*4mm angle flange |
| TY1C0750AF----/d-H- | 750       | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C0800AF----/d-H- | 800       | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C0850AF----/d-H- | 850       | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C0900AF----/d-H- | 900       | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C0950AF----/d-H- | 950       | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C1000AF----/d-H- | 1000      | 150       | 1.5d+250  | 75         | 1.2                  | 45       | 46*34*4mm angle flange |
| TY1C1050AF----/d-H- | 1050      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1100AF----/d-H- | 1100      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1150AF----/d-H- | 1150      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1200AF----/d-H- | 1200      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1250AF----/d-H- | 1250      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1300AF----/d-H- | 1300      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1350AF----/d-H- | 1350      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1400AF----/d-H- | 1400      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1450AF----/d-H- | 1450      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1500AF----/d-H- | 1500      | 150       | 1.5d+250  | 75         | 1.5                  | 45       | 46*34*4mm angle flange |
| TY1C1600AF----/d-H- | 1600      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 46*34*5mm angle flange |
| TY1C1700AF----/d-H- | 1700      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 46*34*5mm angle flange |
| TY1C1800AF----/d-H- | 1800      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 46*34*5mm angle flange |
| TY1C1900AF----/d-H- | 1900      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 46*34*5mm angle flange |
| TY1C2000AF----/d-H- | 2000      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 46*34*5mm angle flange |
| TY1C2100AF----/d-H- | 2100      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 60*40*5mm angle flange |
| TY1C2200AF----/d-H- | 2200      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 60*40*5mm angle flange |
| TY1C2300AF----/d-H- | 2300      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 60*40*5mm angle flange |
| TY1C2400AF----/d-H- | 2400      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 60*40*5mm angle flange |
| TY1C2500AF----/d-H- | 2500      | 150       | 1.5d+250  | 75         | 2.0                  | 45       | 60*40*5mm angle flange |
| TY1C2600AF----/d-H- | 2600      | 150       | 1.5d+250  | 75         | 2.5                  | 45       | 60*40*5mm angle flange |
| TY1C2800AF----/d-H- | 2800      | 150       | 1.5d+250  | 75         | 2.5                  | 45       | 60*40*5mm angle flange |
| TY1C3000AF----/d-H- | 3000      | 150       | 1.5d+250  | 75         | 2.5                  | 45       | 60*40*5mm angle flange |
| TY1C3500AF----/d-H- | 3500      | 150       | 1.5d+250  | 75         | 2.5                  | 45       | 60*40*5mm angle flange |

# CROSS JOINT >>>

(Sizes in mm)

## ORDERING INFORMATION

TC

1

C

0100

AF

----

/

d-

H-

### Description (产品类型)

TC : CROSS JOINT  
(十字四通)

### Material (材质)

- 1: SS304 (不锈钢304)
- 2: SS304L (不锈钢304L)
- 3: SS316L (不锈钢316L)

### Coating Yes/No (是否喷涂)

- C: ETFE Coated (ETFE 喷涂)
- S: Stainles Steel Uncoated (不锈钢不喷涂)

### Connection (连接形式)

- AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)
- AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)
- PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)
- PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)
- XF : Customized Flange (定制法兰)

### Diameter: D (直径)

100mm ≤ D ≤ 3500mm

eg. 0100: Diameter 100mm (直径100mm)

### Tap Size: d (开口尺寸)

eg. d100 : Tap Size 100mm (开口尺寸100mm)

### Tap Height: H (开口高度)

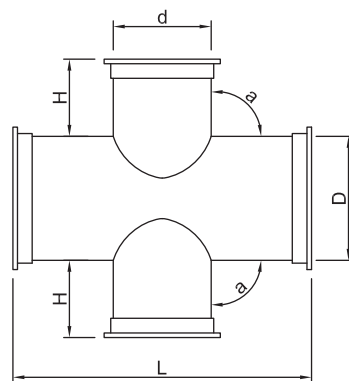
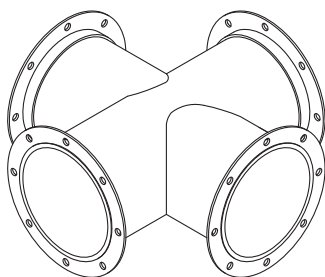
STD H : 100mm

eg. H200: Tap Height 200mm  
(开口高度200mm)

### Length: L (长度)

---- : STD. Length (标准长度)  
d+200mm for D0100-D3500

eg. 0500 : Length 500mm (长度500mm)



## CROSS JOINT >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

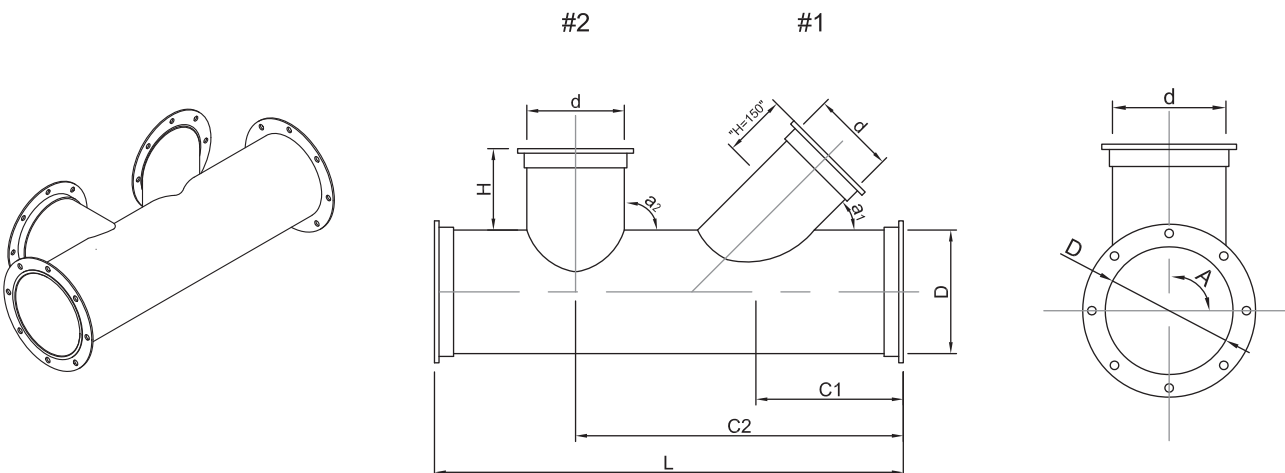
| PN                  | D<br>(mm) | H<br>(mm) | L<br>(mm) | W.T @-2500Pa<br>(mm) | a<br>(°) | Type of Flange         |
|---------------------|-----------|-----------|-----------|----------------------|----------|------------------------|
| TC1C0100AF----/d-H- | 100       | 100       | d+200     | 0.8                  | 90       | 25*15*3mm angle flange |
| TC1C0150AF----/d-H- | 150       | 100       | d+200     | 0.8                  | 90       | 25*15*3mm angle flange |
| TC1C0200AF----/d-H- | 200       | 100       | d+200     | 0.8                  | 90       | 25*15*3mm angle flange |
| TC1C0250AF----/d-H- | 250       | 100       | d+200     | 0.8                  | 90       | 25*15*3mm angle flange |
| TC1C0300AF----/d-H- | 300       | 100       | d+200     | 0.8                  | 90       | 25*15*3mm angle flange |
| TC1C0350AF----/d-H- | 350       | 100       | d+200     | 1.0                  | 90       | 30*22*3mm angle flange |
| TC1C0400AF----/d-H- | 400       | 100       | d+200     | 1.0                  | 90       | 40*20*3mm angle flange |
| TC1C0450AF----/d-H- | 450       | 100       | d+200     | 1.0                  | 90       | 40*20*3mm angle flange |
| TC1C0500AF----/d-H- | 500       | 100       | d+200     | 1.0                  | 90       | 46*34*4mm angle flange |
| TC1C0550AF----/d-H- | 550       | 100       | d+200     | 1.0                  | 90       | 46*34*4mm angle flange |
| TC1C0600AF----/d-H- | 600       | 100       | d+200     | 1.0                  | 90       | 46*34*4mm angle flange |
| TC1C0650AF----/d-H- | 650       | 100       | d+200     | 1.0                  | 90       | 46*34*4mm angle flange |
| TC1C0700AF----/d-H- | 700       | 100       | d+200     | 1.0                  | 90       | 46*34*4mm angle flange |
| TC1C0750AF----/d-H- | 750       | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C0800AF----/d-H- | 800       | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C0850AF----/d-H- | 850       | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C0900AF----/d-H- | 900       | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C0950AF----/d-H- | 950       | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C1000AF----/d-H- | 1000      | 100       | d+200     | 1.2                  | 90       | 46*34*4mm angle flange |
| TC1C1050AF----/d-H- | 1050      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1100AF----/d-H- | 1100      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1150AF----/d-H- | 1150      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1200AF----/d-H- | 1200      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1250AF----/d-H- | 1250      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1300AF----/d-H- | 1300      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1350AF----/d-H- | 1350      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1400AF----/d-H- | 1400      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1450AF----/d-H- | 1450      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1500AF----/d-H- | 1500      | 100       | d+200     | 1.5                  | 90       | 46*34*4mm angle flange |
| TC1C1600AF----/d-H- | 1600      | 100       | d+200     | 2.0                  | 90       | 46*34*5mm angle flange |
| TC1C1700AF----/d-H- | 1700      | 100       | d+200     | 2.0                  | 90       | 46*34*5mm angle flange |
| TC1C1800AF----/d-H- | 1800      | 100       | d+200     | 2.0                  | 90       | 46*34*5mm angle flange |
| TC1C1900AF----/d-H- | 1900      | 100       | d+200     | 2.0                  | 90       | 46*34*5mm angle flange |
| TC1C2000AF----/d-H- | 2000      | 100       | d+200     | 2.0                  | 90       | 46*34*5mm angle flange |
| TC1C2100AF----/d-H- | 2100      | 100       | d+200     | 2.0                  | 90       | 60*40*5mm angle flange |
| TC1C2200AF----/d-H- | 2200      | 100       | d+200     | 2.0                  | 90       | 60*40*5mm angle flange |
| TC1C2300AF----/d-H- | 2300      | 100       | d+200     | 2.0                  | 90       | 60*40*5mm angle flange |
| TC1C2400AF----/d-H- | 2400      | 100       | d+200     | 2.0                  | 90       | 60*40*5mm angle flange |
| TC1C2500AF----/d-H- | 2500      | 100       | d+200     | 2.0                  | 90       | 60*40*5mm angle flange |
| TC1C2600AF----/d-H- | 2600      | 100       | d+200     | 2.5                  | 90       | 60*40*5mm angle flange |
| TC1C2800AF----/d-H- | 2800      | 100       | d+200     | 2.5                  | 90       | 60*40*5mm angle flange |
| TC1C3000AF----/d-H- | 3000      | 100       | d+200     | 2.5                  | 90       | 60*40*5mm angle flange |
| TC1C3500AF----/d-H- | 3500      | 100       | d+200     | 2.5                  | 90       | 60*40*5mm angle flange |

# MANIFOLD >>>

(Sizes in mm)

## ORDERING INFORMATION

| TM                                                               | 1 | C | 0100 | AF                                                                                                                                                                                                                                                                                | ---- | / | T- | T                                            | d- | A- | a- | H-                                                   | C- |
|------------------------------------------------------------------|---|---|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----|----------------------------------------------|----|----|----|------------------------------------------------------|----|
| <b>Description (产品类型)</b>                                        |   |   |      | <b>Length: L (长度)</b>                                                                                                                                                                                                                                                             |      |   |    | <b>Tap Angle: A (径向开口角度)</b>                 |    |    |    | <b>Lateral Tap Angle: a (轴向开口角度)</b>                 |    |
| TM: MANIFOLD (多通)                                                |   |   |      | ---- : Length (长度)                                                                                                                                                                                                                                                                |      |   |    | A00 : Tap Angle 0° (径向开口角度 0°)               |    |    |    | a90 : Lateral Tap Angle 90° (轴向开口角度 90°)             |    |
| <b>Material (材质)</b>                                             |   |   |      | eg. 0500 : Length 500mm (长度 500mm)                                                                                                                                                                                                                                                |      |   |    | A90 : Tap Angle 90° (径向开口角度 90°) (0° - 360°) |    |    |    | a45 : Lateral Tap Angle 45° (轴向开口角度 45°) (0° - 180°) |    |
| 1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)  |   |   |      | <b>Tap Qty (开口数量)</b>                                                                                                                                                                                                                                                             |      |   |    | <b>Tap Height: H (开口高度)</b>                  |    |    |    | <b>STD.H</b> : 100mm for D0100-D3500                 |    |
| <b>Coating Yes/No (是否喷涂)</b>                                     |   |   |      | T- : Tap Qty ≥ 2 (开口数量 ≥ 2)                                                                                                                                                                                                                                                       |      |   |    | eg. H150 : Tap Height 150mm (开口高度 150mm)     |    |    |    |                                                      |    |
| C: ETFE Coated (ETFE 喷涂)<br>S: Stainless Steel Uncoated (不锈钢不喷涂) |   |   |      | <b>Tap Type (开口方式)</b>                                                                                                                                                                                                                                                            |      |   |    | <b>Tap Size: d (开口尺寸)</b>                    |    |    |    |                                                      |    |
| <b>Diameter: D (直径)</b>                                          |   |   |      | T : Straight Tap (直口)<br>S : Single Boot Tap (单扩口)<br>B : Double Boot Tap (双扩口)<br>O : Conical Tap (圆扩口)                                                                                                                                                                          |      |   |    | eg. d100 : Tap Size 100mm (开口尺寸 100mm)       |    |    |    |                                                      |    |
| 100mm ≤ D ≤ 3500mm<br>eg. 0100: Diameter 100mm (直径 100mm)        |   |   |      | <b>Tap Distance to end: C (开口离边距离)</b>                                                                                                                                                                                                                                            |      |   |    |                                              |    |    |    |                                                      |    |
| <b>Connection (连接形式)</b>                                         |   |   |      | AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |      |   |    |                                              |    |    |    |                                                      |    |





# MANIFOLD >>>

(Sizes in mm)

## STANDARD PRODUCT DIMENSIONS

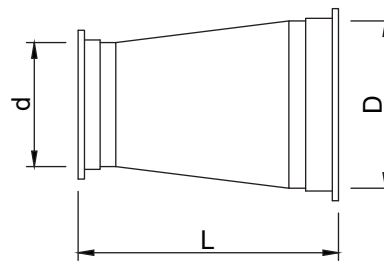
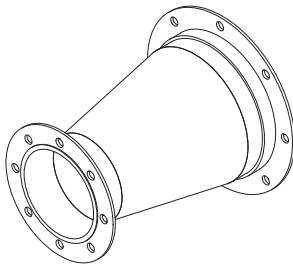
| PN                           | D<br>(mm) | H<br>(mm) | W.T @-2500Pa<br>(mm) | Type of Flange         |
|------------------------------|-----------|-----------|----------------------|------------------------|
| TM1C0100AF----/T-Td-A-a-H-C- | 100       | 100       | 0.8                  | 25*15*3mm angle flange |
| TM1C0150AF----/T-Td-A-a-H-C- | 150       | 100       | 0.8                  | 25*15*3mm angle flange |
| TM1C0200AF----/T-Td-A-a-H-C- | 200       | 100       | 0.8                  | 25*15*3mm angle flange |
| TM1C0250AF----/T-Td-A-a-H-C- | 250       | 100       | 0.8                  | 25*15*3mm angle flange |
| TM1C0300AF----/T-Td-A-a-H-C- | 300       | 100       | 0.8                  | 25*15*3mm angle flange |
| TM1C0350AF----/T-Td-A-a-H-C- | 350       | 100       | 1.0                  | 30*22*3mm angle flange |
| TM1C0400AF----/T-Td-A-a-H-C- | 400       | 100       | 1.0                  | 40*20*3mm angle flange |
| TM1C0450AF----/T-Td-A-a-H-C- | 450       | 100       | 1.0                  | 40*20*3mm angle flange |
| TM1C0500AF----/T-Td-A-a-H-C- | 500       | 100       | 1.0                  | 46*34*4mm angle flange |
| TM1C0550AF----/T-Td-A-a-H-C- | 550       | 100       | 1.0                  | 46*34*4mm angle flange |
| TM1C0600AF----/T-Td-A-a-H-C- | 600       | 100       | 1.0                  | 46*34*4mm angle flange |
| TM1C0650AF----/T-Td-A-a-H-C- | 650       | 100       | 1.0                  | 46*34*4mm angle flange |
| TM1C0700AF----/T-Td-A-a-H-C- | 700       | 100       | 1.0                  | 46*34*4mm angle flange |
| TM1C0750AF----/T-Td-A-a-H-C- | 750       | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C0800AF----/T-Td-A-a-H-C- | 800       | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C0850AF----/T-Td-A-a-H-C- | 850       | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C0900AF----/T-Td-A-a-H-C- | 900       | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C0950AF----/T-Td-A-a-H-C- | 950       | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C1000AF----/T-Td-A-a-H-C- | 1000      | 100       | 1.2                  | 46*34*4mm angle flange |
| TM1C1050AF----/T-Td-A-a-H-C- | 1050      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1100AF----/T-Td-A-a-H-C- | 1100      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1150AF----/T-Td-A-a-H-C- | 1150      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1200AF----/T-Td-A-a-H-C- | 1200      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1250AF----/T-Td-A-a-H-C- | 1250      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1300AF----/T-Td-A-a-H-C- | 1300      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1350AF----/T-Td-A-a-H-C- | 1350      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1400AF----/T-Td-A-a-H-C- | 1400      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1450AF----/T-Td-A-a-H-C- | 1450      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1500AF----/T-Td-A-a-H-C- | 1500      | 100       | 1.5                  | 46*34*4mm angle flange |
| TM1C1600AF----/T-Td-A-a-H-C- | 1600      | 100       | 2.0                  | 46*34*5mm angle flange |
| TM1C1700AF----/T-Td-A-a-H-C- | 1700      | 100       | 2.0                  | 46*34*5mm angle flange |
| TM1C1800AF----/T-Td-A-a-H-C- | 1800      | 100       | 2.0                  | 46*34*5mm angle flange |
| TM1C1900AF----/T-Td-A-a-H-C- | 1900      | 100       | 2.0                  | 46*34*5mm angle flange |
| TM1C2000AF----/T-Td-A-a-H-C- | 2000      | 100       | 2.0                  | 46*34*5mm angle flange |
| TM1C2100AF----/T-Td-A-a-H-C- | 2100      | 100       | 2.0                  | 60*40*5mm angle flange |
| TM1C2200AF----/T-Td-A-a-H-C- | 2200      | 100       | 2.0                  | 60*40*5mm angle flange |
| TM1C2300AF----/T-Td-A-a-H-C- | 2300      | 100       | 2.0                  | 60*40*5mm angle flange |
| TM1C2400AF----/T-Td-A-a-H-C- | 2400      | 100       | 2.0                  | 60*40*5mm angle flange |
| TM1C2500AF----/T-Td-A-a-H-C- | 2500      | 100       | 2.0                  | 60*40*5mm angle flange |
| TM1C2600AF----/T-Td-A-a-H-C- | 2600      | 100       | 2.5                  | 60*40*5mm angle flange |
| TM1C2800AF----/T-Td-A-a-H-C- | 2800      | 100       | 2.5                  | 60*40*5mm angle flange |
| TM1C3000AF----/T-Td-A-a-H-C- | 3000      | 100       | 2.5                  | 60*40*5mm angle flange |
| TM1C3500AF----/T-Td-A-a-H-C- | 3500      | 100       | 2.5                  | 60*40*5mm angle flange |

# CONCENTRIC REDUCER >>>

(Sizes in mm)

## ORDERING INFORMATION

| CR                                                                                                                                                                                                                                                                           | 1 | C | 0100 | AF | ---- | / | d- |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|------|----|------|---|----|
| <b>Description (产品类型)</b>                                                                                                                                                                                                                                                    |   |   |      |    |      |   |    |
| CR: CONCENTRIC REDUCER (同心大小头)                                                                                                                                                                                                                                               |   |   |      |    |      |   |    |
| <b>Material (材质)</b>                                                                                                                                                                                                                                                         |   |   |      |    |      |   |    |
| 1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                              |   |   |      |    |      |   |    |
| <b>Coating Yes/No (是否喷涂)</b>                                                                                                                                                                                                                                                 |   |   |      |    |      |   |    |
| C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                              |   |   |      |    |      |   |    |
| <b>Connection (连接形式)</b>                                                                                                                                                                                                                                                     |   |   |      |    |      |   |    |
| AF: Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF: Customized Flange (定制法兰) |   |   |      |    |      |   |    |
| <b>Larger Side Diameter: D (大头直径)</b>                                                                                                                                                                                                                                        |   |   |      |    |      |   |    |
| 100mm ≤ D ≤ 3500mm<br>eg. 0100: Larger Side Diameter 100mm (大头直径100mm)                                                                                                                                                                                                       |   |   |      |    |      |   |    |
| <b>Length: L (长度)</b>                                                                                                                                                                                                                                                        |   |   |      |    |      |   |    |
| ----: STD. Length (标准长度)<br>D-d+150mm for D0150-D3500<br>eg. 0500: Length 500mm (长度500mm)                                                                                                                                                                                    |   |   |      |    |      |   |    |
| <b>Smaller Side Diameter: d (小头直径)</b>                                                                                                                                                                                                                                       |   |   |      |    |      |   |    |
| eg. d100: Smaller Side Diameter 100mm (小头直径100mm)                                                                                                                                                                                                                            |   |   |      |    |      |   |    |



## CONCENTRIC REDUCER >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

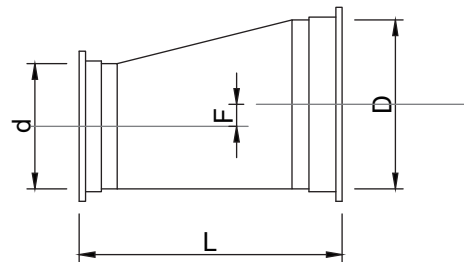
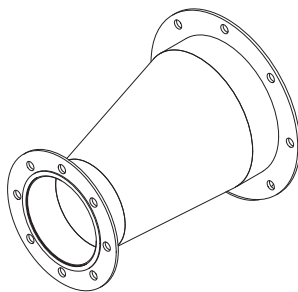
| PN                | D<br>(mm) | L<br>(mm) | d<br>(mm)  | W.T @-2500Pa<br>(mm) | Type of Flange         |
|-------------------|-----------|-----------|------------|----------------------|------------------------|
| CR1C0100AF----/d- | 100       | 200       | Customized | 0.8                  | 25*15*3mm angle flange |
| CR1C0150AF----/d- | 150       | D-d+150   |            | 0.8                  | 25*15*3mm angle flange |
| CR1C0200AF----/d- | 200       | D-d+150   |            | 0.8                  | 25*15*3mm angle flange |
| CR1C0250AF----/d- | 250       | D-d+150   |            | 0.8                  | 25*15*3mm angle flange |
| CR1C0300AF----/d- | 300       | D-d+150   |            | 0.8                  | 25*15*3mm angle flange |
| CR1C0350AF----/d- | 350       | D-d+150   |            | 1.0                  | 30*22*3mm angle flange |
| CR1C0400AF----/d- | 400       | D-d+150   |            | 1.0                  | 40*20*3mm angle flange |
| CR1C0450AF----/d- | 450       | D-d+150   |            | 1.0                  | 40*20*3mm angle flange |
| CR1C0500AF----/d- | 500       | D-d+150   |            | 1.0                  | 46*34*4mm angle flange |
| CR1C0550AF----/d- | 550       | D-d+150   |            | 1.0                  | 46*34*4mm angle flange |
| CR1C0600AF----/d- | 600       | D-d+150   |            | 1.0                  | 46*34*4mm angle flange |
| CR1C0650AF----/d- | 650       | D-d+150   |            | 1.0                  | 46*34*4mm angle flange |
| CR1C0700AF----/d- | 700       | D-d+150   |            | 1.0                  | 46*34*4mm angle flange |
| CR1C0750AF----/d- | 750       | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C0800AF----/d- | 800       | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C0850AF----/d- | 850       | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C0900AF----/d- | 900       | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C0950AF----/d- | 950       | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C1000AF----/d- | 1000      | D-d+150   |            | 1.2                  | 46*34*4mm angle flange |
| CR1C1050AF----/d- | 1050      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1100AF----/d- | 1100      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1150AF----/d- | 1150      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1200AF----/d- | 1200      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1250AF----/d- | 1250      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1300AF----/d- | 1300      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1350AF----/d- | 1350      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1400AF----/d- | 1400      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1450AF----/d- | 1450      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1500AF----/d- | 1500      | D-d+150   |            | 1.5                  | 46*34*4mm angle flange |
| CR1C1600AF----/d- | 1600      | D-d+150   |            | 2.0                  | 46*34*5mm angle flange |
| CR1C1700AF----/d- | 1700      | D-d+150   |            | 2.0                  | 46*34*5mm angle flange |
| CR1C1800AF----/d- | 1800      | D-d+150   |            | 2.0                  | 46*34*5mm angle flange |
| CR1C1900AF----/d- | 1900      | D-d+150   |            | 2.0                  | 46*34*5mm angle flange |
| CR1C2000AF----/d- | 2000      | D-d+150   |            | 2.0                  | 46*34*5mm angle flange |
| CR1C2100AF----/d- | 2100      | D-d+150   |            | 2.0                  | 60*40*5mm angle flange |
| CR1C2200AF----/d- | 2200      | D-d+150   |            | 2.0                  | 60*40*5mm angle flange |
| CR1C2300AF----/d- | 2300      | D-d+150   |            | 2.0                  | 60*40*5mm angle flange |
| CR1C2400AF----/d- | 2400      | D-d+150   |            | 2.0                  | 60*40*5mm angle flange |
| CR1C2500AF----/d- | 2500      | D-d+150   |            | 2.0                  | 60*40*5mm angle flange |
| CR1C2600AF----/d- | 2600      | D-d+150   |            | 2.5                  | 60*40*5mm angle flange |
| CR1C2800AF----/d- | 2800      | D-d+150   |            | 2.5                  | 60*40*5mm angle flange |
| CR1C3000AF----/d- | 3000      | D-d+150   |            | 2.5                  | 60*40*5mm angle flange |
| CR1C3500AF----/d- | 3500      | D-d+150   |            | 2.5                  | 60*40*5mm angle flange |

# ECCENTRIC REDUCER >>>

(Sizes in mm)

## ORDERING INFORMATION

| ER                                                                                                                                                                                                                                                                                                       | 1 | C                                                                                                                                        | 0100 | AF                                                                                                                                    | ---- | /                                                                              | d- | F- |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br>ER: ECCENTRIC REDUCER<br>(偏心大小头)                                                                                                                                                                                                                                            |   | <b>Larger Side Diameter: D (大头直径)</b><br>$100\text{mm} \leq D \leq 3500\text{mm}$<br>eg. 0100: Larger Side Diameter 100mm<br>(大头直径100mm) |      | <b>Smaller Side Diameter: d (小头直径)</b><br>eg. d100: Smaller Side Diameter 100mm<br>(小头直径100mm)                                        |      | <b>Offset: F (偏心量)</b><br>F-: Offset (偏心量)<br>eg. F100: Offset 100mm (偏心100mm) |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                  |   | <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainless Steel Uncoated (不锈钢不喷涂)                                         |      | <b>Length: L (长度)</b><br>----: STD. Length (标准长度)<br>200mm for D0100<br>D-d+150mm for D0150-D3500<br>eg. 0500: Length 500mm (长度500mm) |      |                                                                                |    |    |
| <b>Connection (连接形式)</b><br>AF: Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF: Customized Flange (定制法兰) |   |                                                                                                                                          |      |                                                                                                                                       |      |                                                                                |    |    |



## ECCENTRIC REDUCER >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

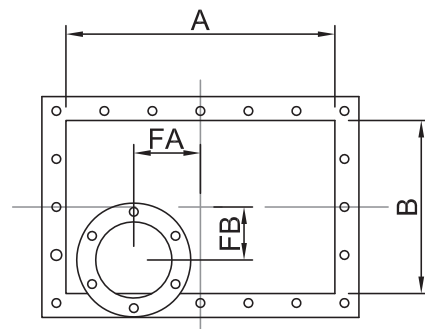
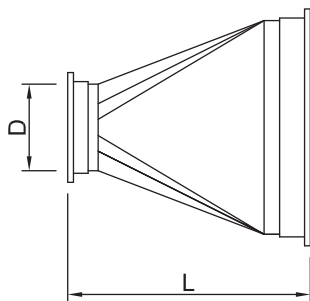
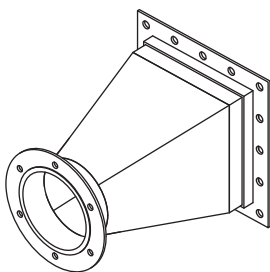
| PN                  | D<br>(mm) | L<br>(mm) | d<br>(mm)  | F<br>(mm)  | W.T @-2500Pa<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|------------|------------|----------------------|------------------------|
| ER1C0100AF----/d-F- | 100       | 200       | Customized | Customized | 0.8                  | 25*15*3mm angle flange |
| ER1C0150AF----/d-F- | 150       | D-d+150   |            |            | 0.8                  | 25*15*3mm angle flange |
| ER1C0200AF----/d-F- | 200       | D-d+150   |            |            | 0.8                  | 25*15*3mm angle flange |
| ER1C0250AF----/d-F- | 250       | D-d+150   |            |            | 0.8                  | 25*15*3mm angle flange |
| ER1C0300AF----/d-F- | 300       | D-d+150   |            |            | 0.8                  | 25*15*3mm angle flange |
| ER1C0350AF----/d-F- | 350       | D-d+150   |            |            | 1.0                  | 30*22*3mm angle flange |
| ER1C0400AF----/d-F- | 400       | D-d+150   |            |            | 1.0                  | 40*20*3mm angle flange |
| ER1C0450AF----/d-F- | 450       | D-d+150   |            |            | 1.0                  | 40*20*3mm angle flange |
| ER1C0500AF----/d-F- | 500       | D-d+150   |            |            | 1.0                  | 46*34*4mm angle flange |
| ER1C0550AF----/d-F- | 550       | D-d+150   |            |            | 1.0                  | 46*34*4mm angle flange |
| ER1C0600AF----/d-F- | 600       | D-d+150   |            |            | 1.0                  | 46*34*4mm angle flange |
| ER1C0650AF----/d-F- | 650       | D-d+150   |            |            | 1.0                  | 46*34*4mm angle flange |
| ER1C0700AF----/d-F- | 700       | D-d+150   |            |            | 1.0                  | 46*34*4mm angle flange |
| ER1C0750AF----/d-F- | 750       | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C0800AF----/d-F- | 800       | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C0850AF----/d-F- | 850       | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C0900AF----/d-F- | 900       | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C0950AF----/d-F- | 950       | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C1000AF----/d-F- | 1000      | D-d+150   |            |            | 1.2                  | 46*34*4mm angle flange |
| ER1C1050AF----/d-F- | 1050      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1100AF----/d-F- | 1100      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1150AF----/d-F- | 1150      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1200AF----/d-F- | 1200      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1250AF----/d-F- | 1250      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1300AF----/d-F- | 1300      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1350AF----/d-F- | 1350      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1400AF----/d-F- | 1400      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1450AF----/d-F- | 1450      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1500AF----/d-F- | 1500      | D-d+150   |            |            | 1.5                  | 46*34*4mm angle flange |
| ER1C1600AF----/d-F- | 1600      | D-d+150   |            |            | 2.0                  | 46*34*5mm angle flange |
| ER1C1700AF----/d-F- | 1700      | D-d+150   |            |            | 2.0                  | 46*34*5mm angle flange |
| ER1C1800AF----/d-F- | 1800      | D-d+150   |            |            | 2.0                  | 46*34*5mm angle flange |
| ER1C1900AF----/d-F- | 1900      | D-d+150   |            |            | 2.0                  | 46*34*5mm angle flange |
| ER1C2000AF----/d-F- | 2000      | D-d+150   |            |            | 2.0                  | 46*34*5mm angle flange |
| ER1C2100AF----/d-F- | 2100      | D-d+150   |            |            | 2.0                  | 60*40*5mm angle flange |
| ER1C2200AF----/d-F- | 2200      | D-d+150   |            |            | 2.0                  | 60*40*5mm angle flange |
| ER1C2300AF----/d-F- | 2300      | D-d+150   |            |            | 2.0                  | 60*40*5mm angle flange |
| ER1C2400AF----/d-F- | 2400      | D-d+150   |            |            | 2.0                  | 60*40*5mm angle flange |
| ER1C2500AF----/d-F- | 2500      | D-d+150   |            |            | 2.0                  | 60*40*5mm angle flange |
| ER1C2600AF----/d-F- | 2600      | D-d+150   |            |            | 2.5                  | 60*40*5mm angle flange |
| ER1C2800AF----/d-F- | 2800      | D-d+150   |            |            | 2.5                  | 60*40*5mm angle flange |
| ER1C3000AF----/d-F- | 3000      | D-d+150   |            |            | 2.5                  | 60*40*5mm angle flange |
| ER1C3500AF----/d-F- | 3500      | D-d+150   |            |            | 2.5                  | 60*40*5mm angle flange |

# TRANSITION >>>

(Sizes in mm)

## ORDERING INFORMATION

| TR                                                                         | 1 | C | 0100 | AF | ---- | / | A-/B- | FA- | FB- |
|----------------------------------------------------------------------------|---|---|------|----|------|---|-------|-----|-----|
| <b>Description (产品类型)</b>                                                  |   |   |      |    |      |   |       |     |     |
| TR : TRANSITION (转接头)                                                      |   |   |      |    |      |   |       |     |     |
| <b>Material (材质)</b>                                                       |   |   |      |    |      |   |       |     |     |
| 1: SS304 (不锈钢304)                                                          |   |   |      |    |      |   |       |     |     |
| 2: SS304L (不锈钢304L)                                                        |   |   |      |    |      |   |       |     |     |
| 3: SS316L (不锈钢316L)                                                        |   |   |      |    |      |   |       |     |     |
| <b>Coating Yes/No (是否喷涂)</b>                                               |   |   |      |    |      |   |       |     |     |
| C: ETFE Coated (ETFE 喷涂)                                                   |   |   |      |    |      |   |       |     |     |
| S: Stainless Steel Uncoated (不锈钢不喷涂)                                       |   |   |      |    |      |   |       |     |     |
| <b>Connection (连接形式)</b>                                                   |   |   |      |    |      |   |       |     |     |
| AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)           |   |   |      |    |      |   |       |     |     |
| AN : SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)                  |   |   |      |    |      |   |       |     |     |
| PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)                        |   |   |      |    |      |   |       |     |     |
| PN : SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)                   |   |   |      |    |      |   |       |     |     |
| XF : Customized Flange (定制法兰)                                              |   |   |      |    |      |   |       |     |     |
| <b>Length: L (长度)</b>                                                      |   |   |      |    |      |   |       |     |     |
| eg. 0400 : Length 400mm (长度400mm)                                          |   |   |      |    |      |   |       |     |     |
| <b>Round Side Diameter: D (圆头直径)</b>                                       |   |   |      |    |      |   |       |     |     |
| 100mm ≤ D ≤ 3500mm                                                         |   |   |      |    |      |   |       |     |     |
| eg. 0100: Round Side Diameter 100mm (圆头直径100mm)                            |   |   |      |    |      |   |       |     |     |
| <b>Long Side Offset (长边偏心量)</b>                                            |   |   |      |    |      |   |       |     |     |
| eg. FA100: Long Side Offset 100mm (长边偏心100mm)                              |   |   |      |    |      |   |       |     |     |
| <b>Short Side Offset (短边偏心量)</b>                                           |   |   |      |    |      |   |       |     |     |
| eg. FB100: Short Side Offset 100mm (短边偏心100mm)                             |   |   |      |    |      |   |       |     |     |
| <b>Rectangular Side Dimension (方头尺寸)</b>                                   |   |   |      |    |      |   |       |     |     |
| eg. A200 / B200 : Rectangular Side Dimension 200mmx200mm (方头尺寸200mmx200mm) |   |   |      |    |      |   |       |     |     |



## TRANSITION >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN                         | D<br>(mm) | A+B<br>(mm) | L<br>(mm)  | W.T @-2500Pa<br>(mm) | Type of Flange         |
|----------------------------|-----------|-------------|------------|----------------------|------------------------|
| TR1C0100AF----/A-/B-FA-FB- | 100       | Customized  | Customized | 0.8                  | 25*15*3mm angle flange |
| TR1C0150AF----/A-/B-FA-FB- | 150       |             |            | 0.8                  | 25*15*3mm angle flange |
| TR1C0200AF----/A-/B-FA-FB- | 200       |             |            | 0.8                  | 25*15*3mm angle flange |
| TR1C0250AF----/A-/B-FA-FB- | 250       |             |            | 0.8                  | 25*15*3mm angle flange |
| TR1C0300AF----/A-/B-FA-FB- | 300       |             |            | 0.8                  | 25*15*3mm angle flange |
| TR1C0350AF----/A-/B-FA-FB- | 350       |             |            | 1.0                  | 30*22*3mm angle flange |
| TR1C0400AF----/A-/B-FA-FB- | 400       |             |            | 1.0                  | 40*20*3mm angle flange |
| TR1C0450AF----/A-/B-FA-FB- | 450       |             |            | 1.0                  | 40*20*3mm angle flange |
| TR1C0500AF----/A-/B-FA-FB- | 500       |             |            | 1.0                  | 46*34*4mm angle flange |
| TR1C0550AF----/A-/B-FA-FB- | 550       |             |            | 1.0                  | 46*34*4mm angle flange |
| TR1C0600AF----/A-/B-FA-FB- | 600       |             |            | 1.0                  | 46*34*4mm angle flange |
| TR1C0650AF----/A-/B-FA-FB- | 650       |             |            | 1.0                  | 46*34*4mm angle flange |
| TR1C0700AF----/A-/B-FA-FB- | 700       |             |            | 1.0                  | 46*34*4mm angle flange |
| TR1C0750AF----/A-/B-FA-FB- | 750       |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C0800AF----/A-/B-FA-FB- | 800       |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C0850AF----/A-/B-FA-FB- | 850       |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C0900AF----/A-/B-FA-FB- | 900       |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C0950AF----/A-/B-FA-FB- | 950       |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C1000AF----/A-/B-FA-FB- | 1000      |             |            | 1.2                  | 46*34*4mm angle flange |
| TR1C1050AF----/A-/B-FA-FB- | 1050      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1100AF----/A-/B-FA-FB- | 1100      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1150AF----/A-/B-FA-FB- | 1150      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1200AF----/A-/B-FA-FB- | 1200      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1250AF----/A-/B-FA-FB- | 1250      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1300AF----/A-/B-FA-FB- | 1300      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1350AF----/A-/B-FA-FB- | 1350      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1400AF----/A-/B-FA-FB- | 1400      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1450AF----/A-/B-FA-FB- | 1450      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1500AF----/A-/B-FA-FB- | 1500      |             |            | 1.5                  | 46*34*4mm angle flange |
| TR1C1600AF----/A-/B-FA-FB- | 1600      |             |            | 2.0                  | 46*34*5mm angle flange |
| TR1C1700AF----/A-/B-FA-FB- | 1700      |             |            | 2.0                  | 46*34*5mm angle flange |
| TR1C1800AF----/A-/B-FA-FB- | 1800      |             |            | 2.0                  | 46*34*5mm angle flange |
| TR1C1900AF----/A-/B-FA-FB- | 1900      |             |            | 2.0                  | 46*34*5mm angle flange |
| TR1C2000AF----/A-/B-FA-FB- | 2000      |             |            | 2.0                  | 46*34*5mm angle flange |
| TR1C2100AF----/A-/B-FA-FB- | 2100      |             |            | 2.0                  | 60*40*5mm angle flange |
| TR1C2200AF----/A-/B-FA-FB- | 2200      |             |            | 2.0                  | 60*40*5mm angle flange |
| TR1C2300AF----/A-/B-FA-FB- | 2300      |             |            | 2.0                  | 60*40*5mm angle flange |
| TR1C2400AF----/A-/B-FA-FB- | 2400      |             |            | 2.0                  | 60*40*5mm angle flange |
| TR1C2500AF----/A-/B-FA-FB- | 2500      |             |            | 2.0                  | 60*40*5mm angle flange |
| TR1C2600AF----/A-/B-FA-FB- | 2600      |             |            | 2.5                  | 60*40*5mm angle flange |
| TR1C2800AF----/A-/B-FA-FB- | 2800      |             |            | 2.5                  | 60*40*5mm angle flange |
| TR1C3000AF----/A-/B-FA-FB- | 3000      |             |            | 2.5                  | 60*40*5mm angle flange |
| TR1C3500AF----/A-/B-FA-FB- | 3500      |             |            | 2.5                  | 60*40*5mm angle flange |

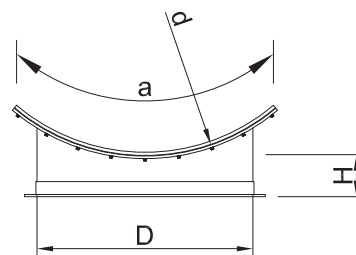
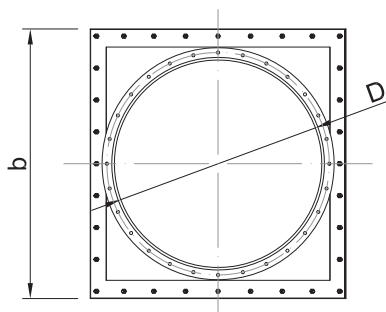
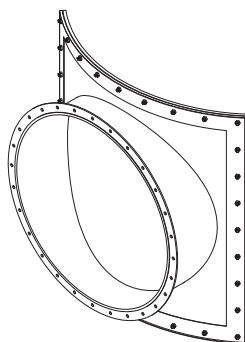


# SADDLE TAP >>>

(Sizes in mm)

## ORDERING INFORMATION

| ST                                                               | 1 | C | 0100                                        | AF | ----                                             | / | d- |
|------------------------------------------------------------------|---|---|---------------------------------------------|----|--------------------------------------------------|---|----|
| Description (产品类型)                                               |   |   |                                             |    |                                                  |   |    |
| ST : SADDLE TAP<br>(热开口)                                         |   |   |                                             |    |                                                  |   |    |
| Material (材质)                                                    |   |   |                                             |    |                                                  |   |    |
| 1: SS304 (不锈钢304)                                                |   |   |                                             |    |                                                  |   |    |
| 2: SS304L (不锈钢304L)                                              |   |   |                                             |    |                                                  |   |    |
| 3: SS316L (不锈钢316L)                                              |   |   |                                             |    |                                                  |   |    |
| Coating Yes/No (是否喷涂)                                            |   |   | Tap Diameter: D (开口直径)                      |    | Height: H (高度)                                   |   |    |
| C:ETFE Coated (ETFE 喷涂)                                          |   |   | 100mm ≤ D ≤ 1200mm                          |    | ---- : STD. Height (标准高度)                        |   |    |
| S: Stainles Steel Uncoated (不锈钢不喷涂)                              |   |   | eg. 0100: Tap Diameter 100mm<br>(开口直径100mm) |    | 100mm                                            |   |    |
| Connection (连接形式)                                                |   |   |                                             |    |                                                  |   |    |
| AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊) |   |   |                                             |    | Main Duct Dimension: d (主管尺寸)                    |   |    |
| AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)         |   |   |                                             |    | eg. d00 : Main Duct Flat Plate (主管为平板)           |   |    |
| PF : SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)              |   |   |                                             |    | eg. d400 : Main Duct Dimension 400mm (主管尺寸400mm) |   |    |
| PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)          |   |   |                                             |    | d ≥ 400mm for D0100-D0200                        |   |    |
| XF : Customized Flange (定制法兰)                                    |   |   |                                             |    | d ≥ 2Dmm for D0250-D1200                         |   |    |



## SADDLE TAP >>>

(Sizes in mm)

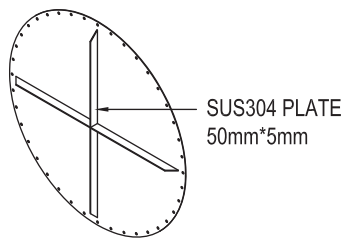
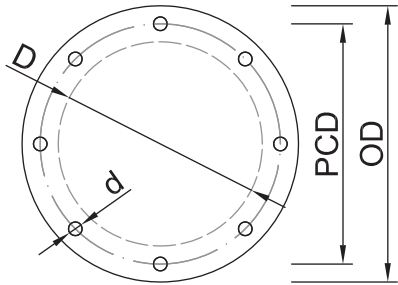
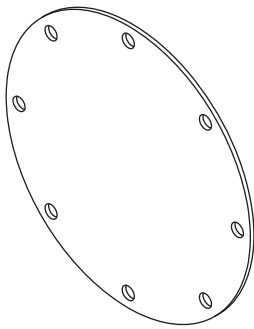
### STANDARD PRODUCT DIMENSIONS

| PN                | D<br>(mm) | d<br>(mm) | H<br>(mm) | a<br>(mm) | b<br>(mm) | W.T<br>(mm) | Type of Flange         |
|-------------------|-----------|-----------|-----------|-----------|-----------|-------------|------------------------|
| ST1C0100AF----/d- | 100       | ≥400      | 100       | 226       | 260       | 1.0         | 25*15*3mm angle flange |
| ST1C0150AF----/d- | 150       | ≥400      | 100       | 276       | 310       | 1.0         | 25*15*3mm angle flange |
| ST1C0200AF----/d- | 200       | ≥400      | 100       | 326       | 360       | 1.0         | 25*15*3mm angle flange |
| ST1C0250AF----/d- | 250       | ≥2D       | 100       | 376       | 410       | 1.0         | 25*15*3mm angle flange |
| ST1C0300AF----/d- | 300       | ≥2D       | 100       | 426       | 460       | 1.0         | 25*15*3mm angle flange |
| ST1C0350AF----/d- | 350       | ≥2D       | 100       | 476       | 510       | 1.2         | 30*22*3mm angle flange |
| ST1C0400AF----/d- | 400       | ≥2D       | 100       | 526       | 560       | 1.2         | 40*20*3mm angle flange |
| ST1C0450AF----/d- | 450       | ≥2D       | 100       | 642       | 652       | 1.2         | 40*20*3mm angle flange |
| ST1C0500AF----/d- | 500       | ≥2D       | 100       | 692       | 702       | 1.2         | 46*34*4mm angle flange |
| ST1C0550AF----/d- | 550       | ≥2D       | 100       | 742       | 750       | 1.2         | 46*34*4mm angle flange |
| ST1C0600AF----/d- | 600       | ≥2D       | 100       | 792       | 802       | 1.2         | 46*34*4mm angle flange |
| ST1C0650AF----/d- | 650       | ≥2D       | 100       | 842       | 852       | 1.2         | 46*34*4mm angle flange |
| ST1C0700AF----/d- | 700       | ≥2D       | 100       | 892       | 902       | 1.5         | 46*34*4mm angle flange |
| ST1C0750AF----/d- | 750       | ≥2D       | 100       | 1002      | 970       | 1.5         | 46*34*4mm angle flange |
| ST1C0800AF----/d- | 800       | ≥2D       | 100       | 1052      | 1020      | 1.5         | 46*34*4mm angle flange |
| ST1C0850AF----/d- | 850       | ≥2D       | 100       | 1082      | 1030      | 1.5         | 46*34*4mm angle flange |
| ST1C0900AF----/d- | 900       | ≥2D       | 100       | 1132      | 1100      | 1.5         | 46*34*4mm angle flange |
| ST1C0950AF----/d- | 950       | ≥2D       | 100       | 1182      | 1160      | 1.5         | 46*34*4mm angle flange |
| ST1C1000AF----/d- | 1000      | ≥2D       | 100       | 1232      | 1220      | 1.5         | 46*34*4mm angle flange |
| ST1C1050AF----/d- | 1050      | ≥2D       | 100       | 1282      | 1280      | 2.0         | 46*34*4mm angle flange |
| ST1C1100AF----/d- | 1100      | ≥2D       | 100       | 1332      | 1340      | 2.0         | 46*34*4mm angle flange |
| ST1C1150AF----/d- | 1150      | ≥2D       | 100       | 1382      | 1400      | 2.0         | 46*34*4mm angle flange |
| ST1C1200AF----/d- | 1200      | ≥2D       | 100       | 1432      | 1460      | 2.0         | 46*34*4mm angle flange |

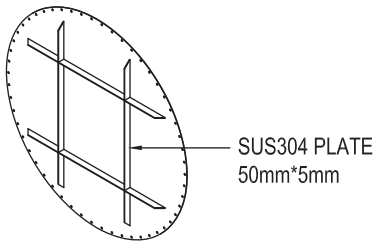
BLIND PLATE >>>  
(Sizes in mm)

ORDERING INFORMATION

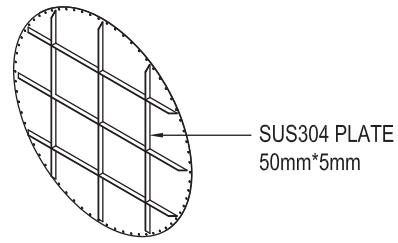
|                                                                                                 |   |   |                                                                                    |    |      |
|-------------------------------------------------------------------------------------------------|---|---|------------------------------------------------------------------------------------|----|------|
| BP                                                                                              | 1 | C | 0100                                                                               | -- | ---- |
| <b>Description (产品类型)</b><br>BP: BLIND PLATE (盲板)                                               |   |   | <b>Connection (连接形式)</b><br>----: Not Applicable (不适用)                             |    |      |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)         |   |   | <b>Length: L (长度)</b><br>----: Not Applicable (不适用)                                |    |      |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂) |   |   | <b>Diameter: D (直径)</b><br>50mm ≤ D ≤ 3500mm<br>eg. 0100: Diameter 100mm (直径100mm) |    |      |



Type A  
DN900--DN1450



Type B  
DN1500--DN1900



Type C  
DN2000--DN3500

## BLIND PLATE >>>

(Sizes in mm)

### STANDARD PRODUCT DIMENSIONS

| PN            | D<br>(mm) | OD<br>(mm) | Bolt Holes  |           |                  | W.T<br>(mm)     |
|---------------|-----------|------------|-------------|-----------|------------------|-----------------|
|               |           |            | PCD<br>(mm) | d<br>(mm) | Hole number<br>n |                 |
| BP1C0050----- | 50.8      | 75         | NA          | NA        | NA               | KF              |
| BP1C0075----- | 76.2      | 110        | NA          | NA        | NA               | ISO             |
| BP1C0100----- | 100       | 153        | 132         | 8         | 6                | 3mm             |
| BP1C0150----- | 150       | 203        | 182         | 10        | 8                | 3mm             |
| BP1C0200----- | 200       | 253        | 232         | 10        | 8                | 3mm             |
| BP1C0250----- | 250       | 303        | 282         | 10        | 10               | 3mm             |
| BP1C0300----- | 300       | 353        | 332         | 10        | 12               | 3mm             |
| BP1C0350----- | 350       | 413        | 386         | 10        | 14               | 3mm             |
| BP1C0400----- | 400       | 483        | 446         | 12        | 16               | 3mm             |
| BP1C0450----- | 450       | 533        | 496         | 12        | 16               | 3mm             |
| BP1C0500----- | 500       | 595        | 558         | 12        | 18               | 3mm             |
| BP1C0550----- | 550       | 645        | 608         | 12        | 20               | 3mm             |
| BP1C0600----- | 600       | 695        | 658         | 12        | 22               | 3mm             |
| BP1C0650----- | 650       | 745        | 708         | 12        | 24               | 3mm             |
| BP1C0700----- | 700       | 795        | 758         | 12        | 24               | 3mm             |
| BP1C0750----- | 750       | 845        | 808         | 12        | 26               | 3mm             |
| BP1C0800----- | 800       | 895        | 858         | 12        | 28               | 3mm             |
| BP1C0850----- | 850       | 945        | 908         | 12        | 30               | 3mm             |
| BP1C0900----- | 900       | 995        | 958         | 12        | 32               | 3mm with type A |
| BP1C0950----- | 950       | 1045       | 1008        | 12        | 32               | 3mm with type A |
| BP1C1000----- | 1000      | 1096       | 1058        | 12        | 34               | 3mm with type A |
| BP1C1050----- | 1050      | 1146       | 1108        | 12        | 36               | 3mm with type A |
| BP1C1100----- | 1100      | 1196       | 1158        | 12        | 38               | 3mm with type A |
| BP1C1150----- | 1150      | 1246       | 1208        | 12        | 38               | 3mm with type A |
| BP1C1200----- | 1200      | 1296       | 1258        | 12        | 40               | 3mm with type A |
| BP1C1250----- | 1250      | 1346       | 1308        | 12        | 42               | 3mm with type A |
| BP1C1300----- | 1300      | 1396       | 1358        | 12        | 44               | 3mm with type A |
| BP1C1350----- | 1350      | 1446       | 1408        | 12        | 46               | 3mm with type A |
| BP1C1400----- | 1400      | 1496       | 1458        | 12        | 46               | 3mm with type A |
| BP1C1450----- | 1450      | 1546       | 1508        | 12        | 48               | 3mm with type A |
| BP1C1500----- | 1500      | 1597       | 1559        | 12        | 50               | 3mm with type B |
| BP1C1600----- | 1600      | 1697       | 1659        | 12*14     | 54               | 3mm with type B |
| BP1C1700----- | 1700      | 1797       | 1759        | 12*15     | 56               | 3mm with type B |
| BP1C1800----- | 1800      | 1897       | 1859        | 12*16     | 60               | 3mm with type B |
| BP1C1900----- | 1900      | 1997       | 1959        | 12*17     | 62               | 3mm with type B |
| BP1C2000----- | 2000      | 2097       | 2059        | 12*18     | 66               | 3mm with type C |
| BP1C2100----- | 2100      | 2225       | 2159        | 12*19     | 68               | 3mm with type C |
| BP1C2200----- | 2200      | 2325       | 2259        | 12*20     | 72               | 3mm with type C |
| BP1C2300----- | 2300      | 2425       | 2359        | 12*21     | 76               | 3mm with type C |
| BP1C2400----- | 2400      | 2525       | 2459        | 12*22     | 78               | 3mm with type C |
| BP1C2500----- | 2500      | 2625       | 2560        | 12*23     | 82               | 3mm with type C |
| BP1C2600----- | 2600      | 2726       | 2660        | 12*24     | 84               | 3mm with type C |
| BP1C2800----- | 2800      | 2926       | 2860        | 12*25     | 90               | 3mm with type C |
| BP1C3000----- | 3000      | 3126       | 3060        | 12*26     | 98               | 3mm with type C |
| BP1C3500----- | 3500      | 3626       | 3560        | 12*27     | 112              | 3mm with type C |

# TEST PORT >>>

(Sizes in mm)

## ORDERING INFORMATION

TP 1 C 0100 AF --- / d- KF H-

### Description (产品类型)

TP : TEST PORT  
(测试口)

### Material (材质)

- 1 : SS304  
(不锈钢304)
- 2 : SS304L  
(不锈钢304L)
- 3 : SS316L  
(不锈钢316L)

### Coating Yes/No (是否喷涂)

- C : ETFE Coated (ETFE 喷涂)
- S : Stainless Steel Uncoated (不锈钢不喷涂)

### Diameter: D (直径)

50mm ≤ D ≤ 3500mm

eg. 0100: Diameter 100mm (直径100mm)

### Connection (连接形式)

- AF : Standard, SS304 Angle Flange, Tack Welded  
(标准不锈钢304角钢法兰,点焊)
- AN: SS304 Angle Flange, Not Tack Welded  
(不锈钢304角钢法兰,不点焊)
- PF : SS304 Flat Flange, Tack welded  
(不锈钢304平板法兰,点焊)
- PN: SS304 Flat Flange, Not Tack Welded  
(不锈钢304平板法兰,不点焊)
- KF : SS304 KF Flange, Fully Welded  
(不锈钢304 KF 法兰, 满焊)
- SF : SS304 ISO Flange, Fully Welded  
(不锈钢304 ISO 法兰, 满焊)
- XF : Customized Flange  
(定制法兰)

### Length: L (长度)

STD L : 150mm

eg. 0200: Length 200mm  
(长度200mm)

### Test Port Size: d (测试口尺寸)

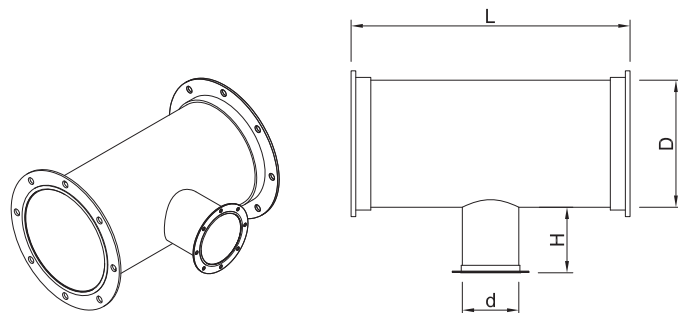
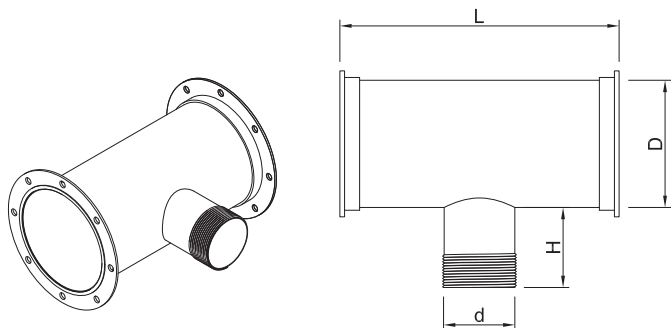
- d1/4 : 1/4"      d1 : 1"
- d3/8 : 3/8"      d1.5 : 1.5"
- d1/2 : 1/2"      d2 : 2"
- d3/4 : 3/4"      d3 : 3"

### Test Port Connection (测试口连接)

- KF : KF Flange  
(KF 法兰)
- SF : ISO Flange  
(ISO 法兰)
- BT : Bare Tube  
(不锈钢不喷涂)
- MNPT : Male NPT Thread  
(美标公螺纹)
- FNPT : Female NPT Thread (Welded MNPT+ PTFE Coupling)  
(美标母螺纹 (公螺纹焊接+特氟龙母螺纹转接头))
- BSPM : Male NPT Thread  
(国标公螺纹)
- BSPF : Female NPT Thread (Welded MNPT+ PTFE Coupling)  
(国标母螺纹 (公螺纹焊接+特氟龙母螺纹转接头))
- SW : Compression Joint Connector  
(卡套接头)
- VCRm : Male VCR  
(VCR公头)
- VCRf : Female VCR  
(VCR母头)
- XF : Customized Flange  
(定制法兰)

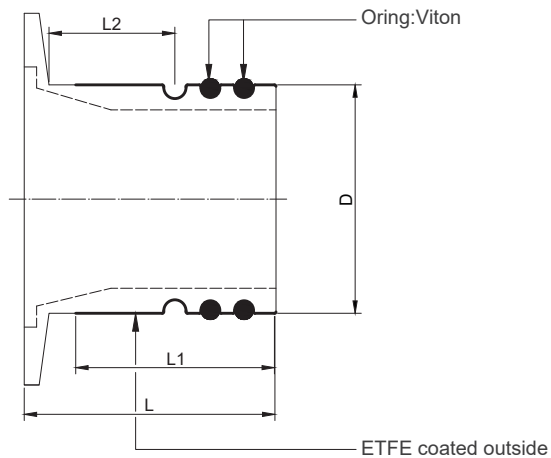
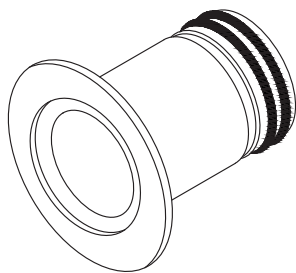
### Test Port Height: H (测试口高度)

- H30 : Test Port Height 30mm  
(测试口高度30mm)
- H50 : Test Port Height 50mm  
(测试口高度50mm)



**ORDERING INFORMATION**

|                                                                                                 |          |                                                                                                                                                                                        |             |           |             |
|-------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-------------|
| <b>BU</b>                                                                                       | <b>1</b> | <b>C</b>                                                                                                                                                                               | <b>0050</b> | <b>KF</b> | <b>----</b> |
| <b>Description (产品类型)</b><br>BU: BUNG<br>(内插件)                                                  |          | <b>Connection (连接形式)</b><br>KF : SS304 KF Flange, Fully Welded<br>(不锈钢304 KF 法兰, 满焊)<br>KF for D0050<br><br>SF : SS304 ISO Flange, Fully Welded<br>(不锈钢304 ISO 法兰, 满焊)<br>SF for D0075 |             |           |             |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)         |          | <b>Diameter: D (直径)</b><br>eg. 0050: Diameter 50mm<br>(直径50mm)<br>eg. 0075: Diameter 75mm<br>(直径75mm)                                                                                  |             |           |             |
| <b>Coating Yes/No (是否喷涂)</b><br>C: EETFE Coated (ETFE 喷涂)<br>S: Staines Steel Uncoated (不锈钢不喷涂) |          | <b>Length: L (长度)</b><br>STD.L: 50.8mm for D0050<br>63.5mm for D0075                                                                                                                   |             |           |             |

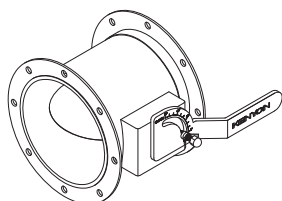


**STANDARD PRODUCT DIMENSIONS**

| PN             | D<br>(mm) | L<br>(mm) | L1<br>(mm) | L2<br>(mm) | Connection |
|----------------|-----------|-----------|------------|------------|------------|
| BU1C0050KF---- | 46.1      | 50.8      | 40.4       | 25.4       | KF         |
| BU1C0075SF---- | 71.4      | 63.5      | 43.2       | 25.4       | ISO        |

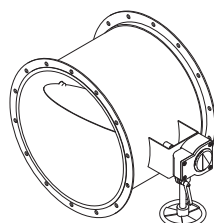
# DAMPER

## >>> PRODUCT CATEGORY



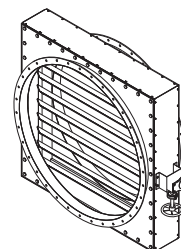
D50-250mm  
SINGLE BLADE  
HANDLE DAMPER

**01**



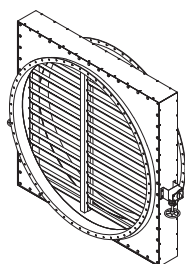
D100-500mm  
SINGLE BLADE WORM  
GEAR DAMPER

**02**



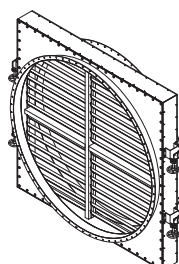
D550-1550mm  
MULTI-BLADE WORM  
GEAR DAMPER

**03**



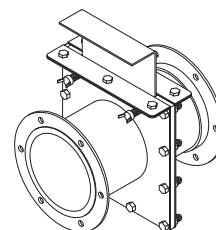
D1600-2000mm  
MULTI-BLADE WORM  
GEAR DAMPER

**04**



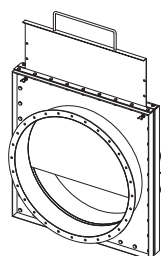
D2100-3000mm  
MULTI-BLADE WORM  
GEAR DAMPER

**05**



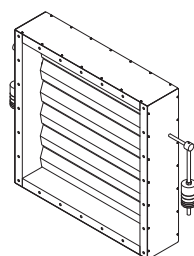
D100-450mm  
SINGLE BLADE  
BLAST GATE

**06**



D500-850mm  
SINGLE BLADE  
BLAST GATE

**07**

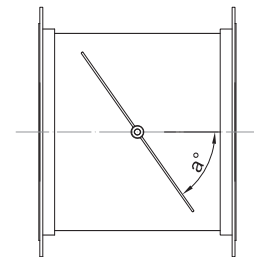


NON-RETURN  
DAMPER

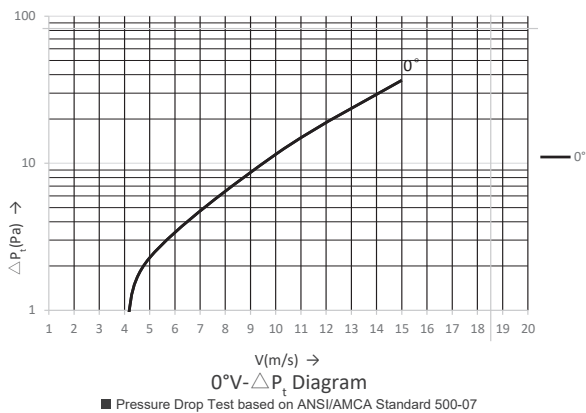
**08**



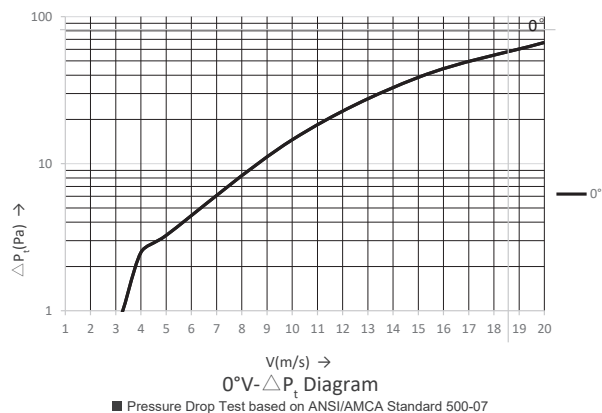
## >>> CONTROL DAMPER CHARACTERISTIC DIAGRAM



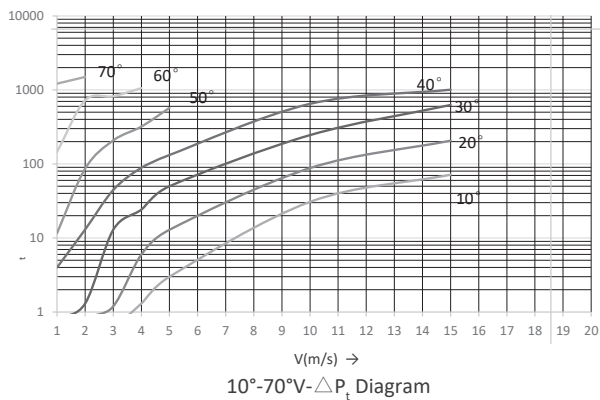
**D100 Damper Pressure Drop-Velocity Diagram**



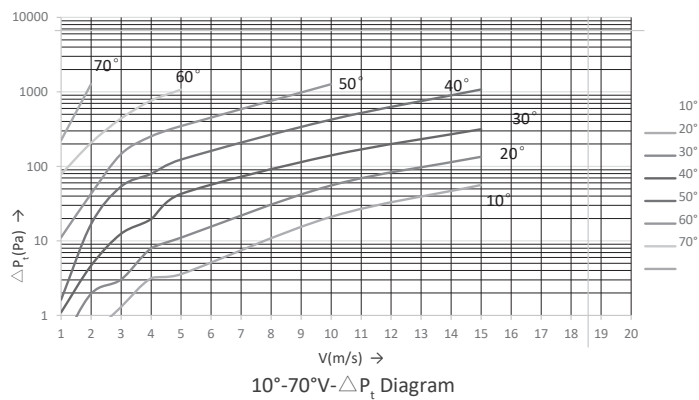
**D150 Damper Pressure Drop-Velocity Diagram**



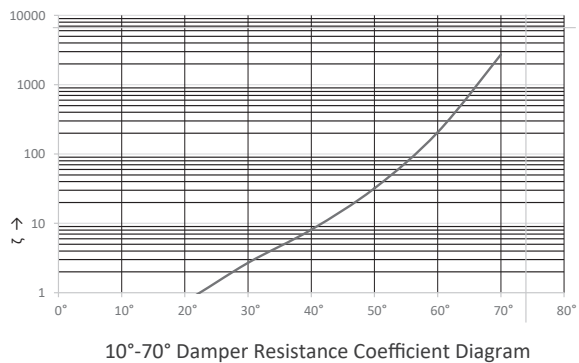
**D100 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$**



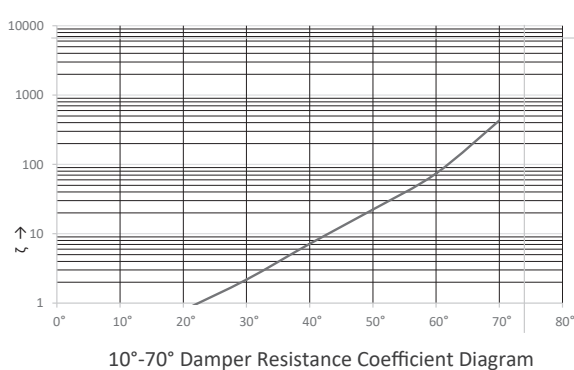
**D150 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$**



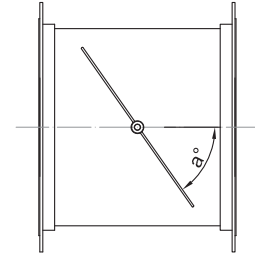
**D100 Damper Resistance Coefficient Diagram**



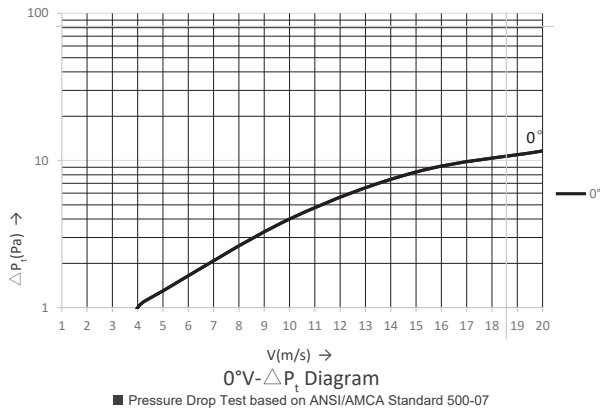
**D150 Damper Resistance Coefficient Diagram**



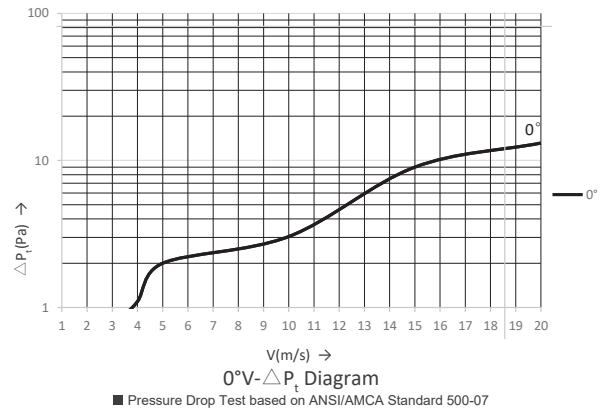
## >>> CONTROL DAMPER CHARACTERISTIC DIAGRAM



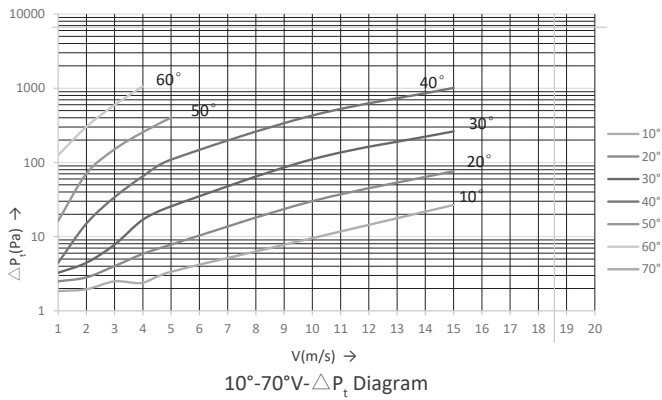
**D200 Damper Pressure Drop-Velocity Diagram**



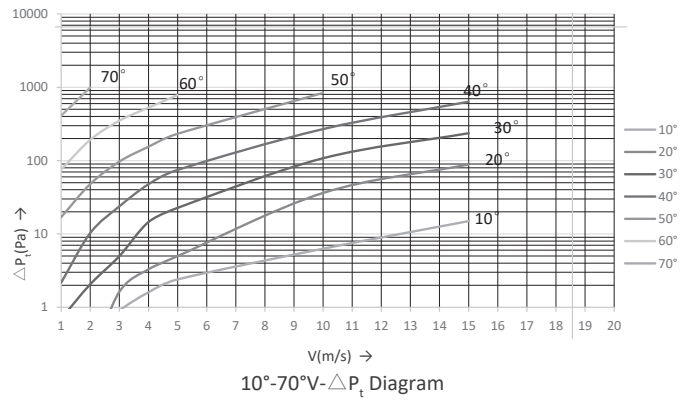
**D250 Damper Pressure Drop-Velocity Diagram**



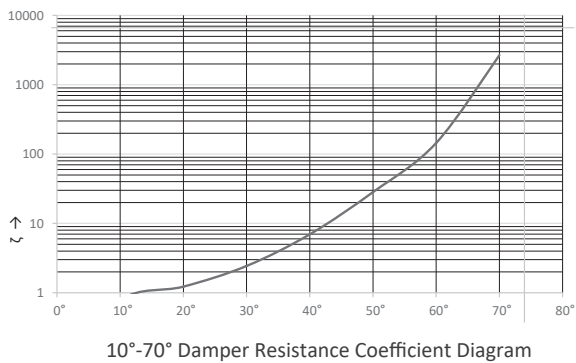
**D200 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$**



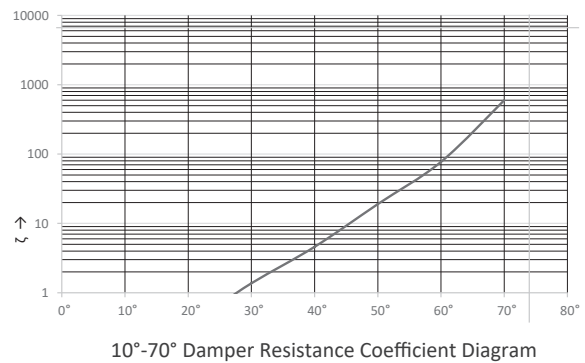
**D250 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$**



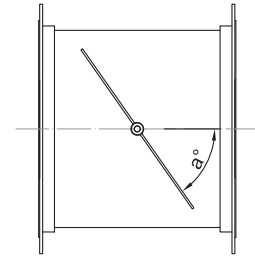
**D200 Damper Resistance Coefficient Diagram**



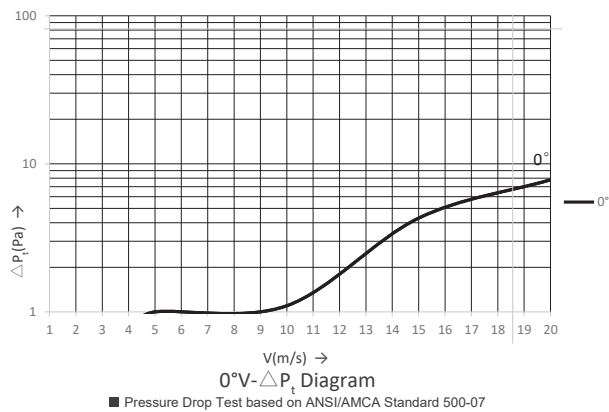
**D250 Damper Resistance Coefficient Diagram**



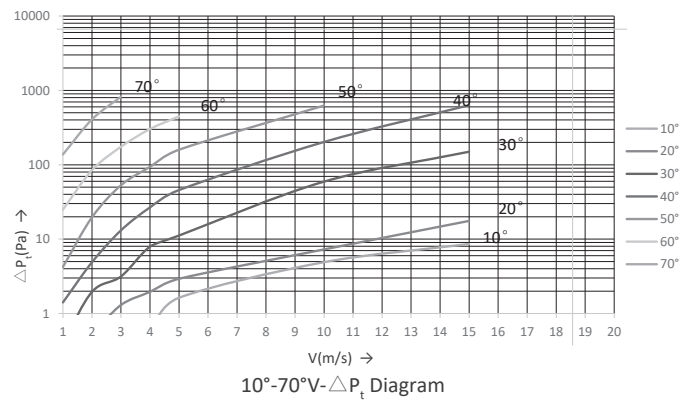
## >>> CONTROL DAMPER CHARACTERISTIC DIAGRAM



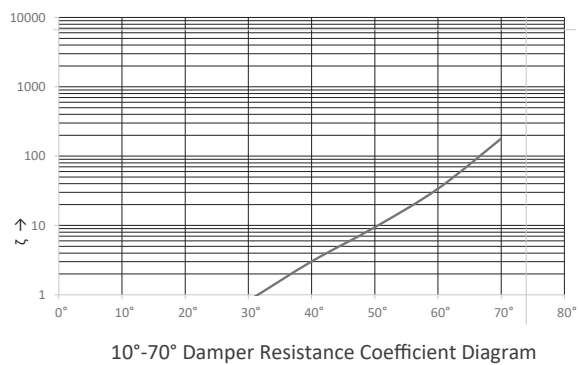
**D300 Damper Pressure Drop-Velocity Diagram**



**D300 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$**

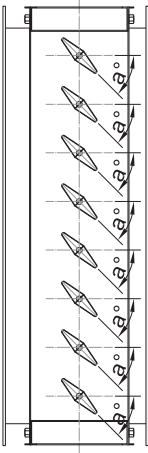
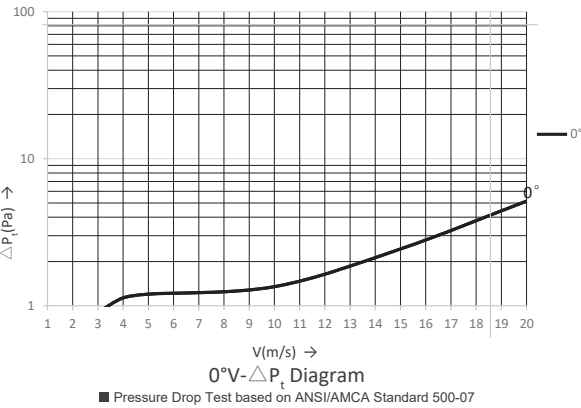


**D300 Damper Resistance Coefficient Diagram**

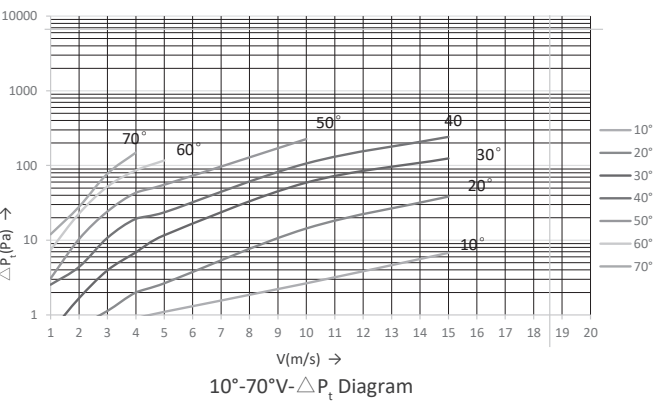


# >>> CONTROL DAMPER CHARACTERISTIC DIAGRAM

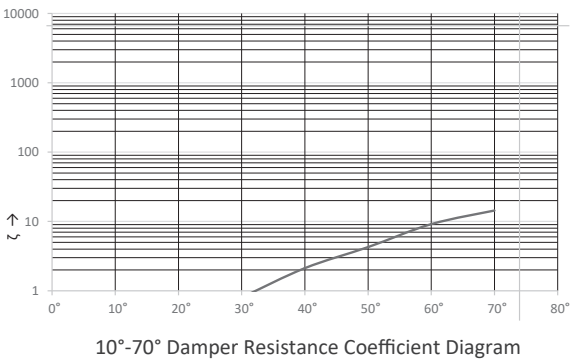
D600 Damper Pressure Drop-Velocity Diagram



D600 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$



D600 Damper Resistance Coefficient Diagram



## >>> LEAKAGE TEST

The AMCA rating shown are based on tests and procedures performed in accordance with AMCA Publication 511, the methods of testing air leakage comply with ANSI/AMCA Standard 500-D-07 and air performance comply with ANSI/AMCA Standard 500-D-07 as well as JG/T436-2014

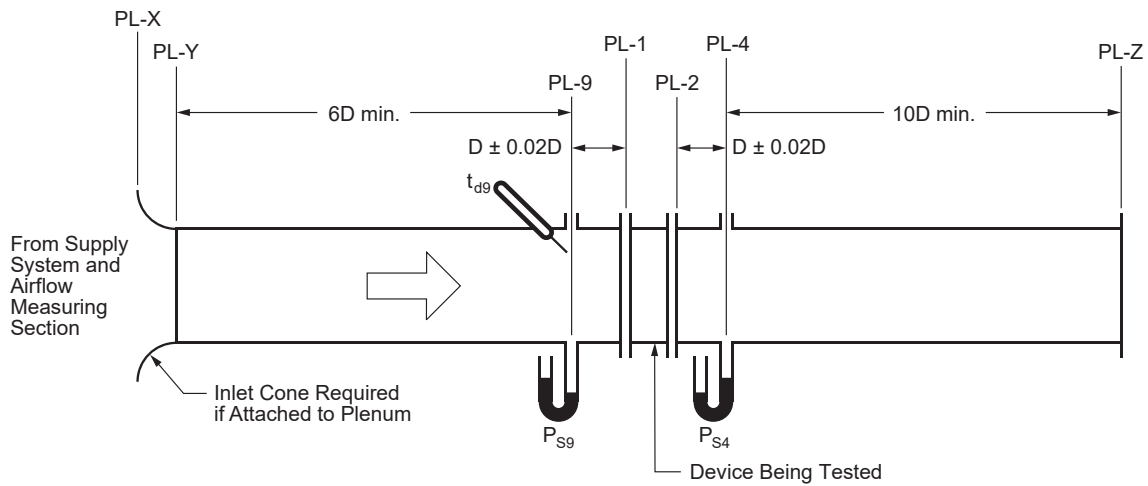
Air leakage is based on operation between 0°C to 49°C

| Table 3<br>Allowable Air Leakage to Achieve Classification |                                               |                           |                         |
|------------------------------------------------------------|-----------------------------------------------|---------------------------|-------------------------|
| SI                                                         | Maximum Allowable Leakage, L/s/m <sup>2</sup> |                           |                         |
| Class                                                      | at 0.25 kPa <sup>[1]</sup>                    | at 1.0 kPa <sup>[1]</sup> | at x kPa <sup>[2]</sup> |
| 1A                                                         | 15.2                                          | N/A                       | N/A                     |
| 1                                                          | 20                                            | 41                        | 2√x × 20                |
| 2                                                          | 51                                            | 102                       | 2√x × 51                |
| 3                                                          | 203                                           | 406                       | 2√x × 203               |

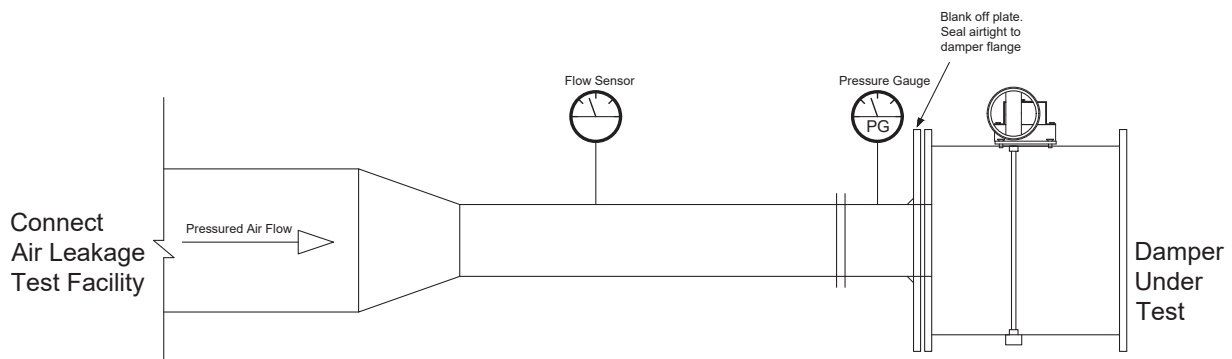
  

| I-P   | Maximum Allowable Leakage, cfm/ft <sup>2</sup> |                            |                            |
|-------|------------------------------------------------|----------------------------|----------------------------|
| Class | at 1 in. wg <sup>[1]</sup>                     | at 4 in. wg <sup>[1]</sup> | at x in. wg <sup>[2]</sup> |
| 1A    | 3                                              | N/A                        | N/A                        |
| 1     | 4                                              | 8                          | √x × 4                     |
| 2     | 10                                             | 20                         | √x × 10                    |
| 3     | 40                                             | 80                         | √x × 40                    |

Notes:  
[1] Required pressures; shall be cataloged  
[2] Any other pressure may be cataloged using these formulas



### Test Damper Setup with Inlet and Outlet Ducts

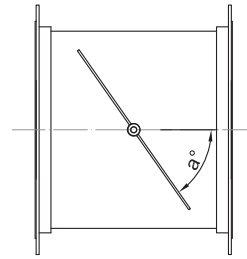


### Leakage Test With Damper Under Positive Pressure

## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

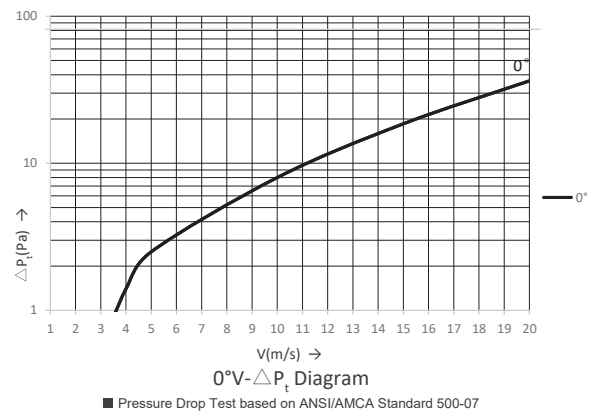
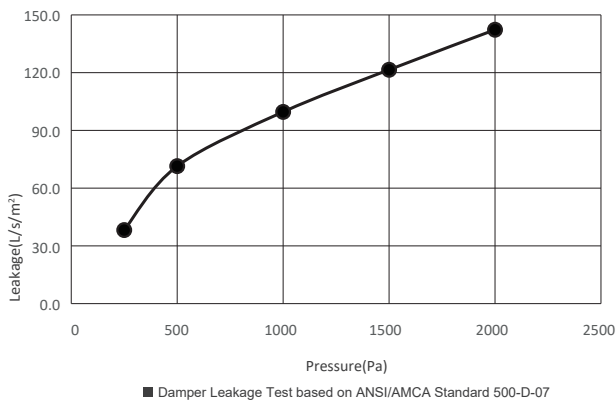
| D(mm)           | Leakage Class Test Results(L/s/m <sup>2</sup> ) |         |          |          |          | SI      |
|-----------------|-------------------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                                         | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 100             | 38.2                                            | 71.4    | 99.6     | 121.5    | 142.3    | Class 2 |
| 150             | 17.0                                            | 34.0    | 45.3     | 56.6     | 67.9     | Class 2 |
| 200             | 9.6                                             | 19.1    | 25.5     | 31.8     | 38.2     | Class 1 |
| 250             | 6.1                                             | 12.2    | 16.3     | 20.4     | 24.5     | Class 1 |

### Near Air Tight Damper Characteristic Diagram



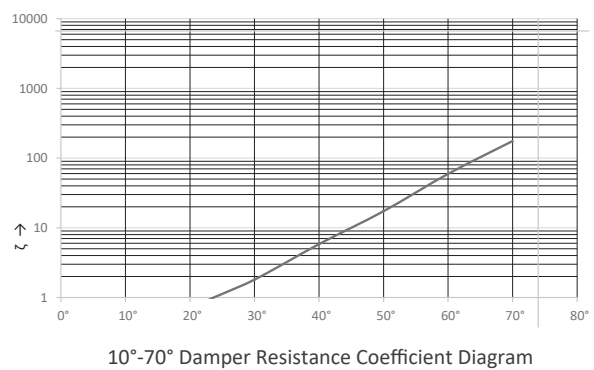
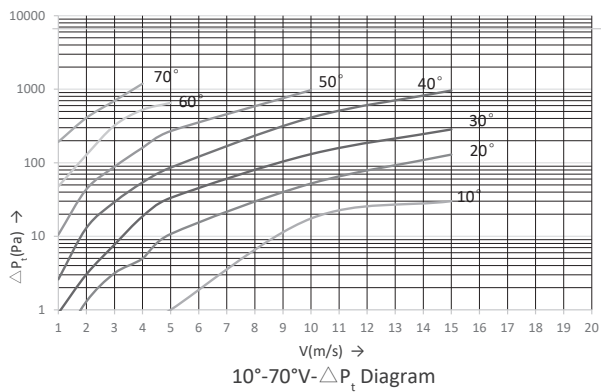
D100 Damper Air Leakage-Pressure Diagram

D100 Damper Pressure Drop-Velocity Diagram



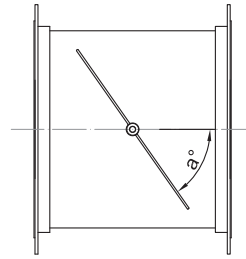
D100 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$

D100 Damper Resistance Coefficient Diagram



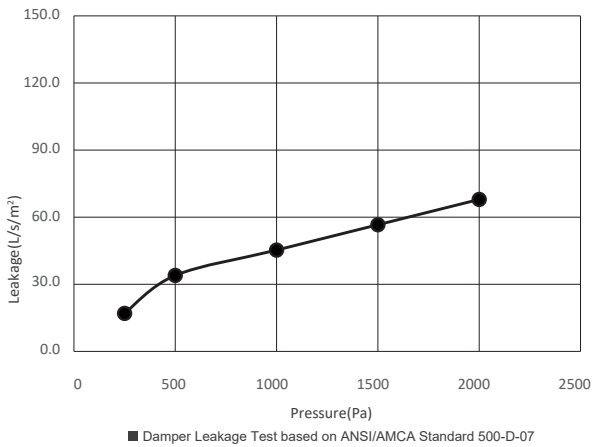
## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

| D(mm)           | Leakage Class Test Results(L/s/m <sup>2</sup> ) |         |          |          |          | SI      |
|-----------------|-------------------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                                         | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 100             | 38.2                                            | 71.4    | 99.6     | 121.5    | 142.3    | Class 2 |
| 150             | 17.0                                            | 34.0    | 45.3     | 56.6     | 67.9     | Class 2 |
| 200             | 9.6                                             | 19.1    | 25.5     | 31.8     | 38.2     | Class 1 |
| 250             | 6.1                                             | 12.2    | 16.3     | 20.4     | 24.5     | Class 1 |

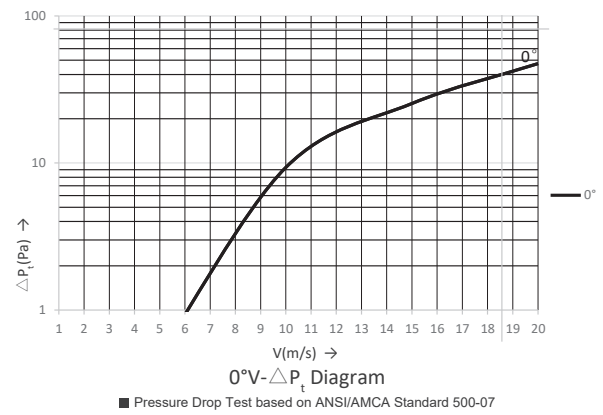


### Near Air Tight Damper Characteristic Diagram

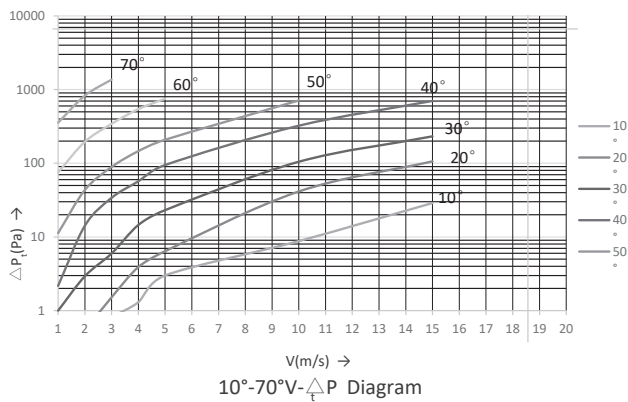
D150 Damper Air Leakage-Pressure Diagram



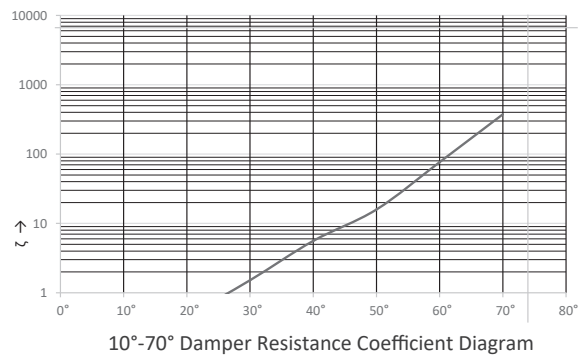
D150 Damper Pressure Drop-Velocity Diagram



D150 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$



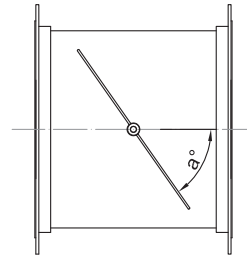
D150 Damper Resistance Coefficient Diagram





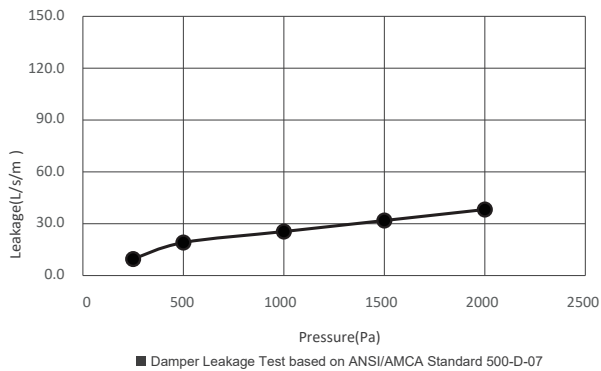
## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

| D(mm)           | Leakage Class Test Results(L/s/m <sup>2</sup> ) |         |          |          |          | SI      |
|-----------------|-------------------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                                         | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 100             | 38.2                                            | 71.4    | 99.6     | 121.5    | 142.3    | Class 2 |
| 150             | 17.0                                            | 34.0    | 45.3     | 56.6     | 67.9     | Class 2 |
| 200             | 9.6                                             | 19.1    | 25.5     | 31.8     | 38.2     | Class 1 |
| 250             | 6.1                                             | 12.2    | 16.3     | 20.4     | 24.5     | Class 1 |

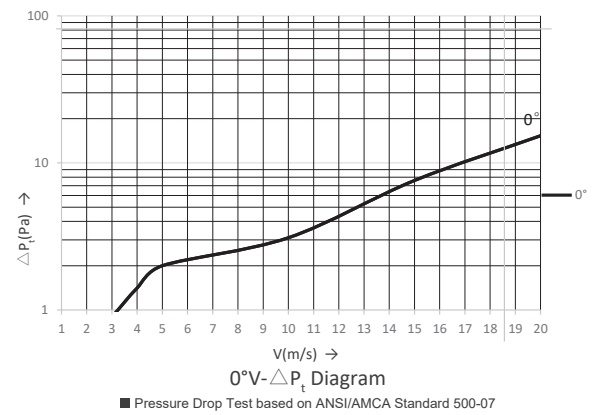


### Near Air Tight Damper Characteristic Diagram

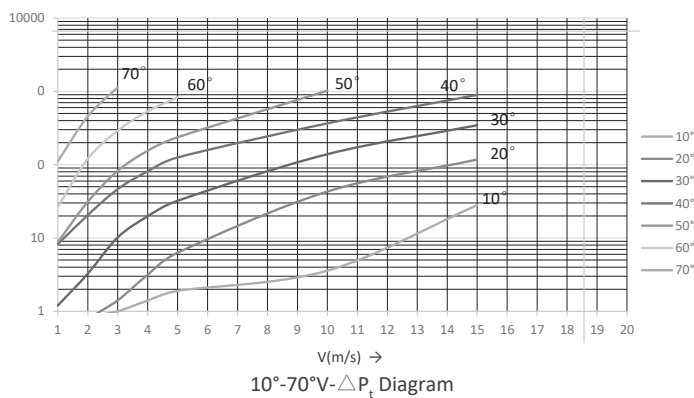
D200 Damper Air Leakage-Pressure Diagram



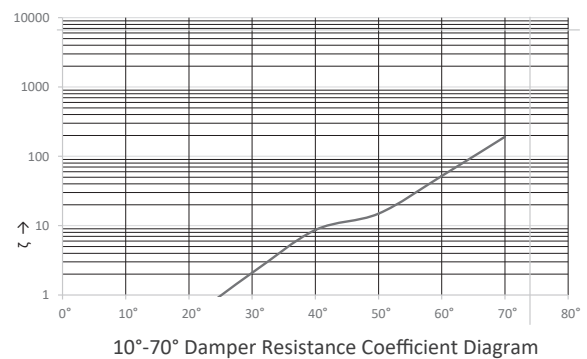
D200 Damper Pressure Drop-Velocity Diagram



D200 Damper Pressure Drop-Velocity α=10°to 70°

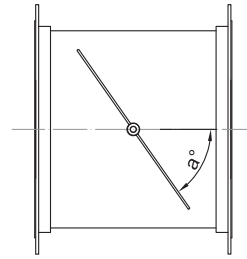


D200 Damper Resistance Coefficient Diagram



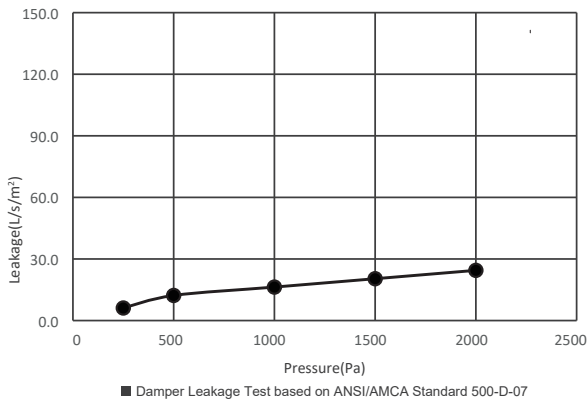
## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

| D(mm)           | Leakage Class Test Results(L/s/m <sup>2</sup> ) |         |          |          |          | SI      |
|-----------------|-------------------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                                         | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 100             | 38.2                                            | 71.4    | 99.6     | 121.5    | 142.3    | Class 2 |
| 150             | 17.0                                            | 34.0    | 45.3     | 56.6     | 67.9     | Class 2 |
| 200             | 9.6                                             | 19.1    | 25.5     | 31.8     | 38.2     | Class 1 |
| 250             | 6.1                                             | 12.2    | 16.3     | 20.4     | 24.5     | Class 1 |

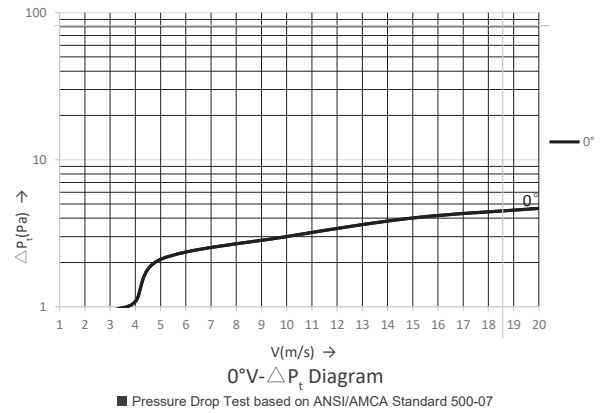


### Near Air Tight Damper Characteristic Diagram

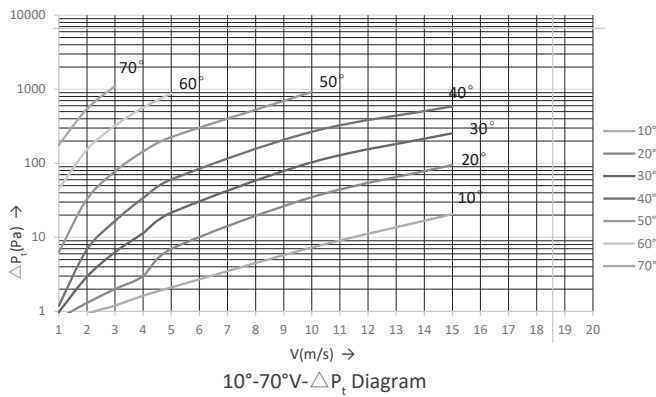
D250 Damper Air Leakage-Pressure Diagram



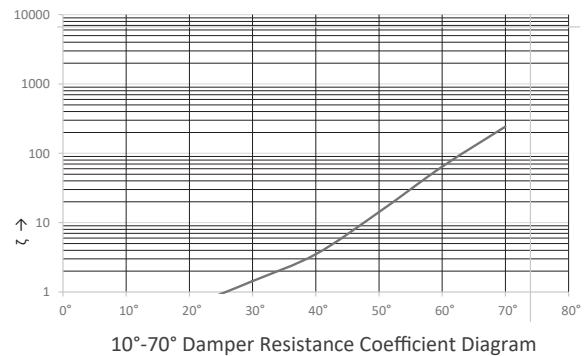
D250 Damper Pressure Drop-Velocity Diagram



D250 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$



D250 Damper Resistance Coefficient Diagram

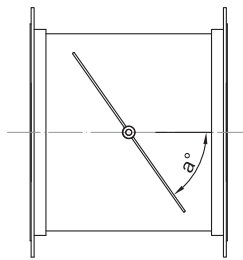
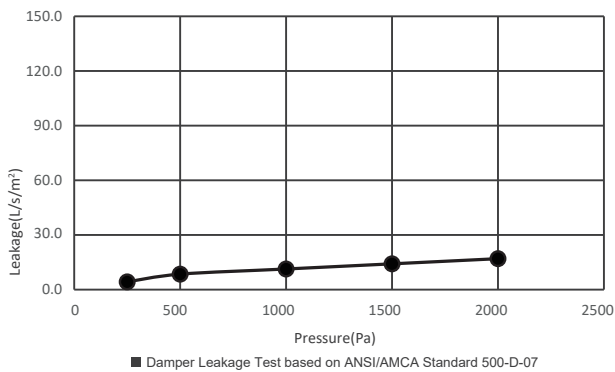


## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

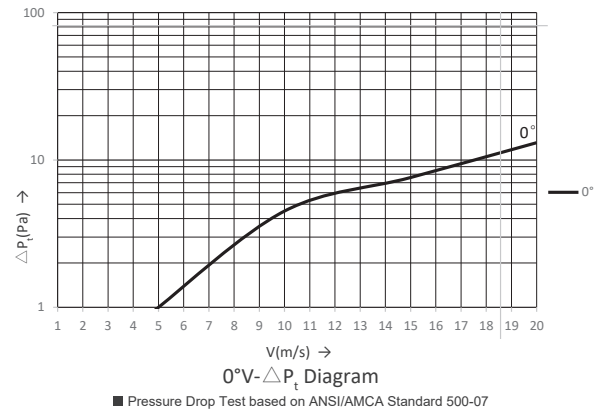
| D(mm)           | Leakage Class Test Results(L/s/m²) |         |          |          |          | SI      |
|-----------------|------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                            | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 100             | 38.2                               | 38.2    | 99.6     | 121.5    | 142.3    | Class 2 |
| 150             | 17.0                               | 17.0    | 45.3     | 56.6     | 67.9     | Class 2 |
| 200             | 9.6                                | 9.6     | 25.5     | 31.8     | 38.2     | Class 1 |
| 250             | 6.1                                | 6.1     | 16.3     | 20.4     | 24.5     | Class 1 |
| 300             | 4.2                                | 8.5     | 11.3     | 14.2     | 17.0     | Class 1 |

### Near Air Tight Damper Characteristic Diagram

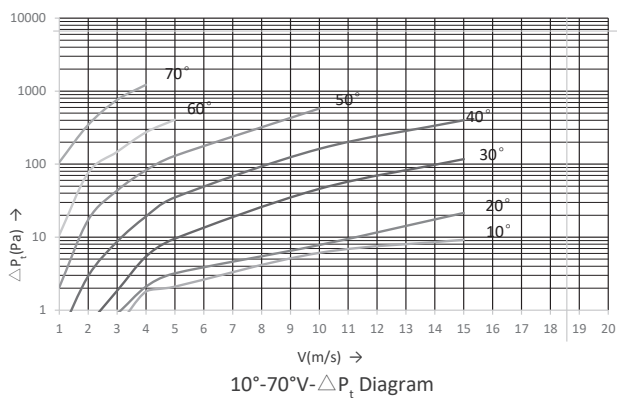
D300 Damper Air Leakage-Pressure Diagram



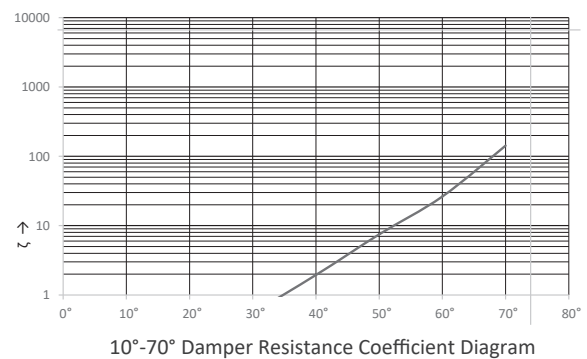
D300 Damper Pressure Drop-Velocity Diagram



D300 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$



D300 Damper Resistance Coefficient Diagram

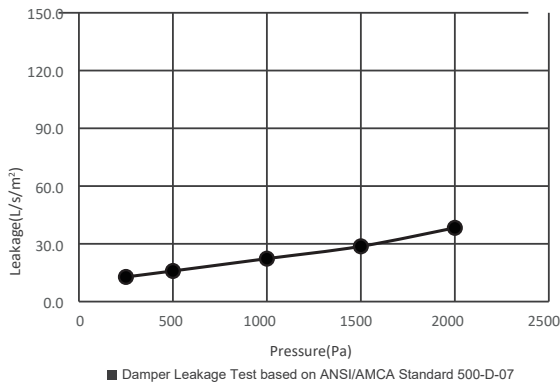


## >>> LEAKAGE CLASS TEST RECORDS AND CLASSIFICATION OF NEAR AIR TIGHT DAMPER

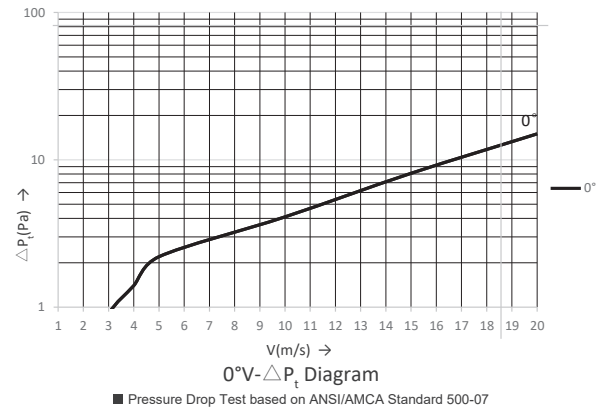
| D(mm)           | Leakage Class Test Results(L/s/m <sup>2</sup> ) |         |          |          |          | SI      |
|-----------------|-------------------------------------------------|---------|----------|----------|----------|---------|
| Damper Diameter | 250(Pa)                                         | 500(Pa) | 1000(Pa) | 1500(Pa) | 2000(Pa) | Class   |
| 550             | 12.8                                            | 15.9    | 22.3     | 28.7     | 38.3     | Class 1 |
| 600             | 12.8                                            | 15.9    | 22.3     | 28.7     | 38.3     | Class 1 |

### Near Air Tight Damper Characteristic Diagram

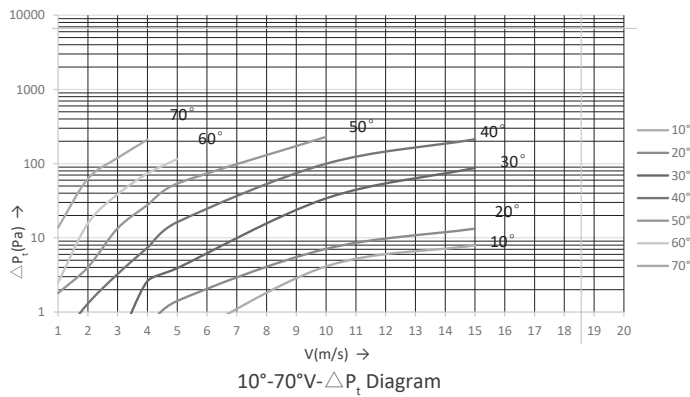
D600 Damper Air Leakage-Pressure Diagram



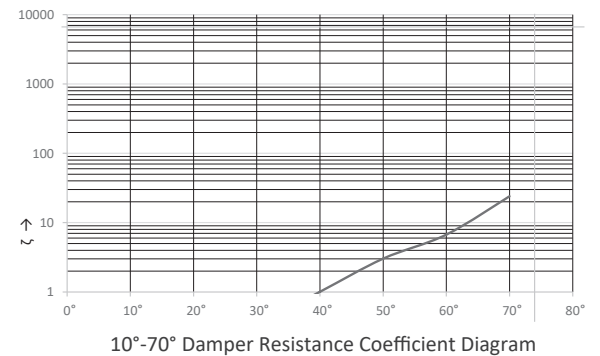
D600 Damper Pressure Drop-Velocity Diagram



D600 Damper Pressure Drop-Velocity  $\alpha=10^\circ$  to  $70^\circ$



D600 Damper Resistance Coefficient Diagram



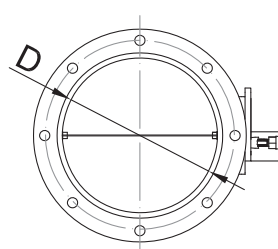
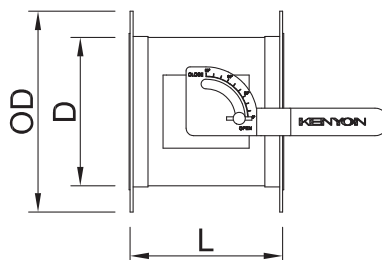
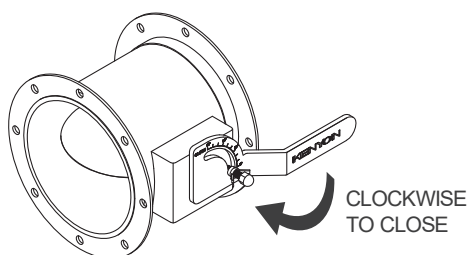
# D50-250mm

## SINGLE BLADE HANDLE DAMPER

(Sizes in mm)

### ORDERING INFORMATION

| HD                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 | C | 0100 | AF                                                                                                                                                                                                                                                                                 | 0150 | / | B0 | L0 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----|----|
| <b>Description (产品类型)</b><br>HD: HANDLE DAMPER (手柄阀)                                                                                                                                                                                                                                                                                                                                                                       |   |   |      | <b>Length: L (长度)</b><br>STD.L : (标准长度)<br>150mm for D0050-D0075<br>200mm for D0100-D0250<br>eg. 0150 : Length 150mm (长度150mm)                                                                                                                                                     |      |   |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                                                                                                                                    |   |   |      | <b>Blade Type (叶片形式)</b><br>B0: Standard, Regular Blade, Non Air-tight (标准碟片, 非密闭)<br>B1: EPDM Rubber Wrapped Blade, Near Air-tight (三元乙丙包胶碟片, 近密闭)<br>B2: Viton Rubber Wrapped Blade, Near Air-tight (氟橡胶包胶碟片, 近密闭)<br>B3: Blade With PTFE Seat, Near Air-tight (碟片加特氟龙材质阀座, 近密闭) |      |   |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br>C: ETFE Coated (ETFE 喷涂)<br>S: Stainless Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                                                                                                                                           |   |   |      | <b>Lock Type (锁定方式)</b><br>L0: Single Lock, Stepless (单锁, 无段)<br>L1: Single Lock, 10 Intervals (单锁, 10段)<br>L2: Double Lock, 20 Intervals (双锁, 20段)<br>LX: Customized Lock (定制锁定方式)                                                                                                |      |   |    |    |
| <b>Connection (连接形式)</b><br>AF: Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>KF: SS304 KF Flange, Fully Welded (不锈钢304 KF 法兰, 满焊)<br>SF: SS304 ISO Flange, Fully Welded (不锈钢304 ISO 法兰, 满焊)<br>XF: Customized Flange (定制法兰) |   |   |      |                                                                                                                                                                                                                                                                                    |      |   |    |    |



## >>> SPECIFICATIONS

- ☐ SUS304 Butterfly damper with ETFE coating
- ☐ Range D100~D250
- ☐ Handle operated
- ☐ Viton O-ring axle seal
- ☐ Standard single lock - 10°intervals

## >>> OPTIONS

- ☐ Customised length available
- ☐ Customised flange pattern
- ☐ Electric/pneumatic actuator
- ☐ EPDM/Viton rubber wrapped blade, Near air tight
- ☐ PTFE seat, Near air tight
- ☐ Double lock
- ☐ 5°intervals

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | L<br>(mm) | OD<br>(mm) | Blade t<br>(mm) | W.T<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|------------|-----------------|-------------|------------------------|
| HD1C0050KF0150/B0L0 | 50.8      | 150       | 75         | 2.0             | 1.65        | KF                     |
| HD1C0075SF0150/B0L0 | 76.2      | 150       | 110        | 2.0             | 1.65        | ISO                    |
| HD1C0100AF0200/B0L0 | 100       | 200       | 153        | 2.0             | 1.0         | 25*15*3mm angle flange |
| HD1C0150AF0200/B0L0 | 150       | 200       | 203        | 2.0             | 1.0         | 25*15*3mm angle flange |
| HD1C0200AF0200/B0L0 | 200       | 200       | 253        | 2.0             | 1.0         | 25*15*3mm angle flange |
| HD1C0250AF0200/B0L0 | 250       | 200       | 303        | 2.0             | 1.0         | 25*15*3mm angle flange |

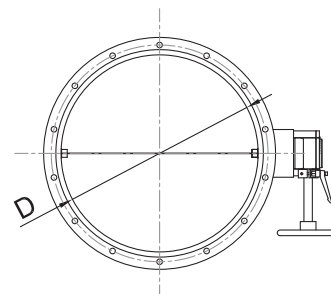
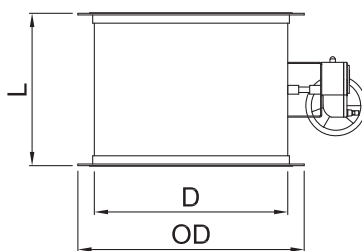
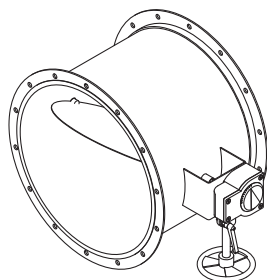
# D100-500mm

## SINGLE BLADE WORM GEAR DAMPER

(Sizes in mm)

### ORDERING INFORMATION

| WD                                                                                                             | 1 | C | 0100                                                                                                                                                                                                                                                                                                                                           | AF | 0200 | /                                                                                                                                                                                                                                                                                                                          | B0 | P1 |
|----------------------------------------------------------------------------------------------------------------|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br><b>WD:</b> WORM GEAR DAMPER<br>(蜗轮蜗杆阀)                                            |   |   | <b>Length: L (长度)</b><br><b>STD.L :</b> (标准长度)<br>200mm for D0100-D0250<br>280mm for D0300-D0500<br><b>eg. 0200 :</b> Length 200mm<br>(长度200mm)                                                                                                                                                                                                |    |      | <b>Blade Type (叶片形式)</b><br><b>B0:</b> Standard, Regular Blade, Non Air-tight<br>(标准碟片, 非密闭)<br><b>B1:</b> EPDM Rubber Wrapped Blade, Near Air-tight<br>(三元乙丙包胶碟片, 近密闭)<br><b>B2:</b> Viton Rubber Wrapped Blade, Near Air-tight<br>(氟橡胶包胶碟片, 近密闭)<br><b>B3:</b> Blade With PTFE Seat, Near Air-tight<br>(碟片加特氟龙材质阀座, 近密闭) |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                        |   |   | <b>Diameter: D (直径)</b><br>$100\text{mm} \leq D \leq 500\text{mm}$<br><b>eg. 0100:</b> Diameter 100mm (直径100mm)                                                                                                                                                                                                                                |    |      | <b>Operation (操作方式)</b><br><b>P1:</b> Worm Gear Operation (蜗轮蜗杆操作)<br><b>P2:</b> Pneumatic Actuated (气动)<br><b>P3:</b> Electrical Motorized (电动)                                                                                                                                                                           |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br><b>C:</b> ETFE Coated (ETFE 喷涂)<br><b>S:</b> Stainless Steel Uncoated (不锈钢不喷涂) |   |   | <b>Connection (连接形式)</b><br><b>AF :</b> Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br><b>AN:</b> SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br><b>PF :</b> SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br><b>PN:</b> SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br><b>XF :</b> Customized Flange (定制法兰) |    |      |                                                                                                                                                                                                                                                                                                                            |    |    |





## >>> SPECIFICATIONS

- ☐ SUS304 Butterfly damper with ETFE coating
- ☐ Range D100~D500
- ☐ Worm gear driver
- ☐ Viton O-ring axle seal
- ☐ Standard single lock - STEPLESS

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern
- ☐ Electric/pneumatic actuator
- ☐ EPDM/Viton rubber wrapped blade, Near air tight
- ☐ PTFE seat, Near air tight

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | L<br>(mm) | OD<br>(mm) | Blade t<br>(mm) | W.T<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|------------|-----------------|-------------|------------------------|
| WD1C0100AF0200/B0P1 | 100       | 200       | 153        | 2.0             | 1.0         | 25*15*3mm angle flange |
| WD1C0150AF0200/B0P1 | 150       | 200       | 203        | 2.0             | 1.0         | 25*15*3mm angle flange |
| WD1C0200AF0200/B0P1 | 200       | 200       | 253        | 2.0             | 1.0         | 25*15*3mm angle flange |
| WD1C0250AF0200/B0P1 | 250       | 200       | 303        | 2.0             | 1.0         | 25*15*3mm angle flange |
| WD1C0300AF0280/B0P1 | 300       | 280       | 353        | 2.5             | 1.2         | 25*15*3mm angle flange |
| WD1C0350AF0280/B0P1 | 350       | 280       | 413        | 2.5             | 1.2         | 30*22*3mm angle flange |
| WD1C0400AF0280/B0P1 | 400       | 280       | 483        | 2.5             | 1.2         | 40*22*3mm angle flange |
| WD1C0450AF0280/B0P1 | 450       | 280       | 533        | 2.5             | 1.2         | 40*22*3mm angle flange |
| WD1C0500AF0280/B0P1 | 500       | 280       | 595        | 2.5             | 1.2         | 46*34*4mm angle flange |

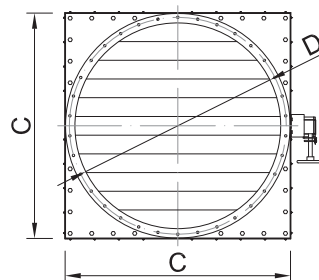
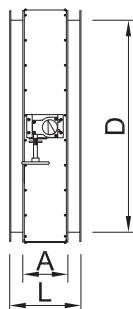
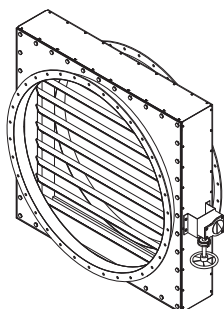
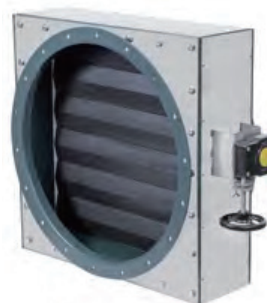
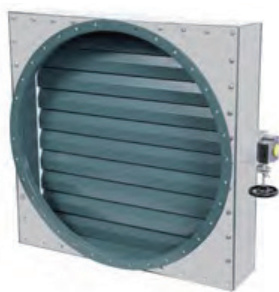
# D550-1550mm

## MULTI-BLADE WORM GEAR DAMPER

(Sizes in mm)

### ORDERING INFORMATION

| MD                                                                                                            | 1 | C | 0550                                                                                                                                        | AF | 0350 | /                                                                                                                                                                                                                                         | B0 | P1 |
|---------------------------------------------------------------------------------------------------------------|---|---|---------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br><b>MD:</b> MULTI-BLADE DAMPER (多叶阀)                                              |   |   | <b>Length: L (长度)</b><br><b>STD.L :</b> (标准长度)<br>350mm for D0550-D1550<br><b>eg. 0350 :</b> Length 350mm (长度350mm)                         |    |      | <b>Blade Type (叶片形式)</b><br><b>B0:</b> Standard, Regular Blade, Non Air-tight (标准碟片, 非密闭)<br><b>B1:</b> EPDM Rubber Wrapped Blade, Near Air-tight (三元乙丙包胶碟片, 近密闭)<br><b>B2:</b> Viton Rubber Wrapped Blade, Near Air-tight (氟橡胶包胶碟片, 近密闭) |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                       |   |   | <b>Diameter: D (直径)</b><br>550mm ≤ D ≤ 1550mm<br><b>eg. 0550:</b> Diameter 550mm (直径550mm)                                                  |    |      | <b>Operation (操作方式)</b><br><b>P1:</b> Worm Gear Operation (涡轮蜗杆操作)<br><b>P2:</b> Pneumatic Actuated (气动)<br><b>P3:</b> Electrical Motorized (电动)                                                                                          |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br><b>C:</b> ETFE Coated (ETFE 喷涂)<br><b>S:</b> Stainles Steel Uncoated (不锈钢不喷涂) |   |   | <b>Connection (连接形式)</b><br><b>AF :</b> Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br><b>XF :</b> Customized Flange (定制法兰) |    |      |                                                                                                                                                                                                                                           |    |    |



## >>> SPECIFICATIONS

- SUS304 with ETFE coating
- Range D550~D1550
- Worm gear driver
- Viton O-ring axle seal
- Standard single lock - STEPLESS

## >>> OPTIONS

- Customised length possible
- Customised flange pattern
- Electric/pneumatic actuator
- EPDM Rubber Wrapped Blades, Near Air-tight
- Viton Rubber Wrapped Blades, Near Air-tight

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | L<br>(mm) | A<br>(mm) | C<br>(mm) | Body T<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|-----------|----------------|------------------------|
| MD1C0550AF0350/B0P1 | 550       | 350       | 200       | 650       | 2.0            | 46*34*4mm angle flange |
| MD1C0600AF0350/B0P1 | 600       | 350       | 200       | 700       | 2.0            | 46*34*4mm angle flange |
| MD1C0650AF0350/B0P1 | 650       | 350       | 200       | 750       | 2.0            | 46*34*4mm angle flange |
| MD1C0700AF0350/B0P1 | 700       | 350       | 200       | 800       | 2.0            | 46*34*4mm angle flange |
| MD1C0750AF0350/B0P1 | 750       | 350       | 200       | 850       | 2.0            | 46*34*4mm angle flange |
| MD1C0800AF0350/B0P1 | 800       | 350       | 200       | 900       | 2.0            | 46*34*4mm angle flange |
| MD1C0850AF0350/B0P1 | 850       | 350       | 200       | 950       | 2.0            | 46*34*4mm angle flange |
| MD1C0900AF0350/B0P1 | 900       | 350       | 200       | 1000      | 2.0            | 46*34*4mm angle flange |
| MD1C0950AF0350/B0P1 | 950       | 350       | 200       | 1050      | 2.0            | 46*34*4mm angle flange |
| MD1C1000AF0350/B0P1 | 1000      | 350       | 200       | 1100      | 2.0            | 46*34*4mm angle flange |
| MD1C1050AF0350/B0P1 | 1050      | 350       | 200       | 1150      | 2.0            | 46*34*4mm angle flange |
| MD1C1100AF0350/B0P1 | 1100      | 350       | 200       | 1200      | 2.0            | 46*34*4mm angle flange |
| MD1C1150AF0350/B0P1 | 1150      | 350       | 200       | 1250      | 2.0            | 46*34*4mm angle flange |
| MD1C1200AF0350/B0P1 | 1200      | 350       | 200       | 1300      | 2.0            | 46*34*4mm angle flange |
| MD1C1250AF0350/B0P1 | 1250      | 350       | 200       | 1350      | 2.0            | 46*34*4mm angle flange |
| MD1C1300AF0350/B0P1 | 1300      | 350       | 200       | 1400      | 2.0            | 46*34*4mm angle flange |
| MD1C1350AF0350/B0P1 | 1350      | 350       | 200       | 1450      | 2.0            | 46*34*4mm angle flange |
| MD1C1400AF0350/B0P1 | 1400      | 350       | 200       | 1500      | 2.0            | 46*34*4mm angle flange |
| MD1C1450AF0350/B0P1 | 1450      | 350       | 200       | 1550      | 2.0            | 46*34*4mm angle flange |
| MD1C1500AF0350/B0P1 | 1500      | 350       | 200       | 1600      | 2.0            | 46*34*4mm angle flange |
| MD1C1550AF0350/B0P1 | 1550      | 350       | 200       | 1650      | 2.0            | 46*34*4mm angle flange |

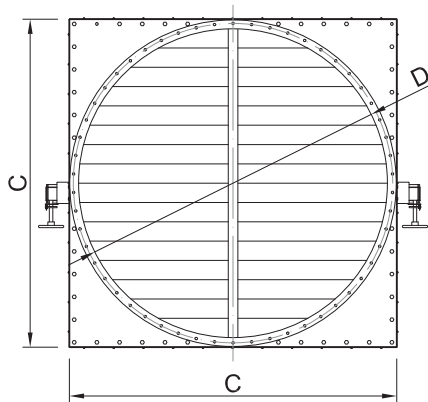
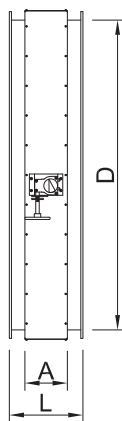
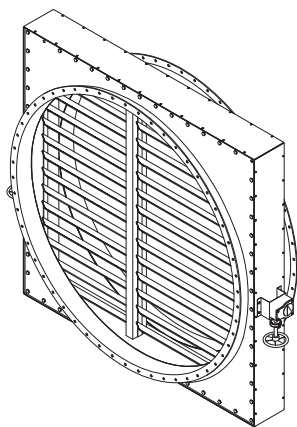
# D1600-2000mm

## MULTI-BLADE WORM GEAR DAMPER

(Sizes in mm)

### ORDERING INFORMATION

| MD                                                                                                                                          | 1 | C | 1600 | AF                                                                                                                                                                                                                                        | 0350 | / | B0 | P1 |
|---------------------------------------------------------------------------------------------------------------------------------------------|---|---|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|----|----|
| <b>Description (产品类型)</b><br><b>MD:</b> MULTI-BLADE DAMPER (多叶阀)                                                                            |   |   |      | <b>Length: L (长度)</b><br><b>STD.L :</b> (标准长度)<br>350mm for D1600-D2000<br><b>eg. 0350 :</b> Length 350mm (长度350mm)                                                                                                                       |      |   |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                     |   |   |      | <b>Blade Type (叶片形式)</b><br><b>B0:</b> Standard, Regular Blade, Non Air-tight (标准碟片, 非密闭)<br><b>B1:</b> EPDM Rubber Wrapped Blade, Near Air-tight (三元乙丙包胶碟片, 近密闭)<br><b>B2:</b> Viton Rubber Wrapped Blade, Near Air-tight (氟橡胶包胶碟片, 近密闭) |      |   |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br><b>C:</b> ETFE Coated (ETFE 喷涂)<br><b>S:</b> Stainles Steel Uncoated (不锈钢不喷涂)                               |   |   |      | <b>Operation (操作方式)</b><br><b>P1:</b> Worm Gear Operation (涡轮蜗杆操作)<br><b>P2:</b> Pneumatic Actuated (气动)<br><b>P3:</b> Electrical Motorized (电动)                                                                                          |      |   |    |    |
| <b>Connection (连接形式)</b><br><b>AF :</b> Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br><b>XF :</b> Customized Flange (定制法兰) |   |   |      |                                                                                                                                                                                                                                           |      |   |    |    |
|                                                                                                                                             |   |   |      | <b>Diameter: D (直径)</b><br>$1600\text{mm} \leq D \leq 2000\text{mm}$<br><b>eg. 1600:</b> Diameter 1600mm (直径1600mm)                                                                                                                       |      |   |    |    |



## >>> SPECIFICATIONS

- ☐ SUS304 with ETFE coating
- ☐ Range D1600~D2000
- ☐ Worm gear driver
- ☐ Viton O-ring axle seal
- ☐ Standard single lock - STEPLESS

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern
- ☐ Electric/pneumatic actuator
- ☐ EPDM Rubber Wrapped Blades, Near Air-tight
- ☐ Viton Rubber Wrapped Blades, Near Air-tight

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | L<br>(mm) | A<br>(mm) | C<br>(mm) | Body T<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|-----------|----------------|------------------------|
| MD1C1600AF0350/B0P1 | 1600      | 350       | 200       | 1700      | 2.0            | 46*34*5mm angle flange |
| MD1C1700AF0350/B0P1 | 1700      | 350       | 200       | 1800      | 2.0            | 46*34*5mm angle flange |
| MD1C1800AF0350/B0P1 | 1800      | 350       | 200       | 1900      | 2.0            | 46*34*5mm angle flange |
| MD1C1900AF0350/B0P1 | 1900      | 350       | 200       | 2000      | 2.0            | 46*34*5mm angle flange |
| MD1C2000AF0350/B0P1 | 2000      | 350       | 200       | 2100      | 2.0            | 46*34*5mm angle flange |

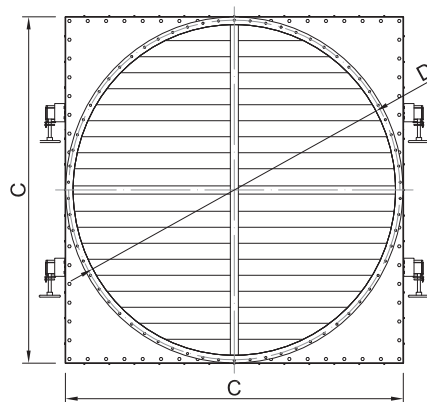
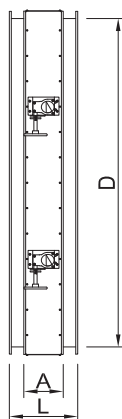
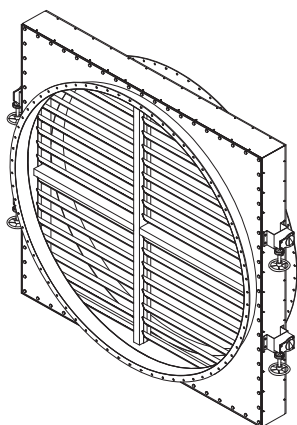
# D2100-3000mm

## MULTI-BLADE WORM GEAR DAMPER

(Sizes in mm)

### ORDERING INFORMATION

| MD                                                                                                             | 1 | C | 2100                                                                                                                                        | AF | 0350 | /                                                                                                                                                                                                                                         | B0 | P1 |
|----------------------------------------------------------------------------------------------------------------|---|---|---------------------------------------------------------------------------------------------------------------------------------------------|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| <b>Description (产品类型)</b><br><b>MD:</b> MULTI-BLADE DAMPER (多叶阀)                                               |   |   | <b>Length: L (长度)</b><br><b>STD.L :</b> (标准长度)<br>350mm for D2100-D3000<br><b>eg. 0350 :</b> Length 350mm (长度350mm)                         |    |      | <b>Blade Type (叶片形式)</b><br><b>B0:</b> Standard, Regular Blade, Non Air-tight (标准碟片, 非密闭)<br><b>B1:</b> EPDM Rubber Wrapped Blade, Near Air-tight (三元乙丙包胶碟片, 近密闭)<br><b>B2:</b> Viton Rubber Wrapped Blade, Near Air-tight (氟橡胶包胶碟片, 近密闭) |    |    |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                        |   |   | <b>Diameter: D (直径)</b><br>$2100\text{mm} \leq D \leq 3000\text{mm}$<br><b>eg. 2100:</b> Diameter 2100mm (直径2100mm)                         |    |      | <b>Operation (操作方式)</b><br><b>P1:</b> Worm Gear Operation (涡轮蜗杆操作)<br><b>P2:</b> Pneumatic Actuated (气动)<br><b>P3:</b> Electrical Motorized (电动)                                                                                          |    |    |
| <b>Coating Yes/No (是否喷涂)</b><br><b>C:</b> ETFE Coated (ETFE 喷涂)<br><b>S:</b> Stainless Steel Uncoated (不锈钢不喷涂) |   |   | <b>Connection (连接形式)</b><br><b>AF :</b> Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br><b>XF :</b> Customized Flange (定制法兰) |    |      |                                                                                                                                                                                                                                           |    |    |



## >>> SPECIFICATIONS

- ☐ SUS304 with ETFE coating
- ☐ Range D2100~D3000
- ☐ Worm gear driver
- ☐ Viton O-ring axle seal
- ☐ Standard single lock - STEPLESS

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern
- ☐ Electric/pneumatic actuator
- ☐ EPDM Rubber Wrapped Blades, Near Air-tight
- ☐ Viton Rubber Wrapped Blades, Near Air-tight

### STANDARD PRODUCT DIMENSIONS

| PN                  | D<br>(mm) | L<br>(mm) | A<br>(mm) | C<br>(mm) | Body T<br>(mm) | Type of Flange         |
|---------------------|-----------|-----------|-----------|-----------|----------------|------------------------|
| MD1C2100AF0350/B0P1 | 2100      | 350       | 200       | 2200      | 2.5            | 60°40°5mm angle flange |
| MD1C2200AF0350/B0P1 | 2200      | 350       | 200       | 2300      | 2.5            | 60°40°5mm angle flange |
| MD1C2300AF0350/B0P1 | 2300      | 350       | 200       | 2400      | 2.5            | 60°40°5mm angle flange |
| MD1C2400AF0350/B0P1 | 2400      | 350       | 200       | 2500      | 2.5            | 60°40°5mm angle flange |
| MD1C2500AF0350/B0P1 | 2500      | 350       | 200       | 2600      | 2.5            | 60°40°5mm angle flange |
| MD1C2600AF0350/B0P1 | 2600      | 350       | 200       | 2700      | 2.5            | 60°40°5mm angle flange |
| MD1C2700AF0350/B0P1 | 2700      | 350       | 200       | 2800      | 2.5            | 60°40°5mm angle flange |
| MD1C2800AF0350/B0P1 | 2800      | 350       | 200       | 2900      | 2.5            | 60°40°5mm angle flange |
| MD1C2900AF0350/B0P1 | 2900      | 350       | 200       | 3000      | 2.5            | 60°40°5mm angle flange |
| MD1C3000AF0350/B0P1 | 3000      | 350       | 200       | 3100      | 2.5            | 60°40°5mm angle flange |

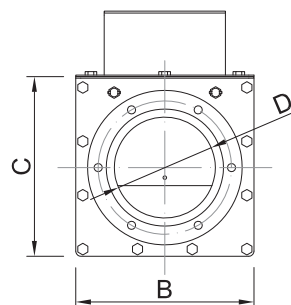
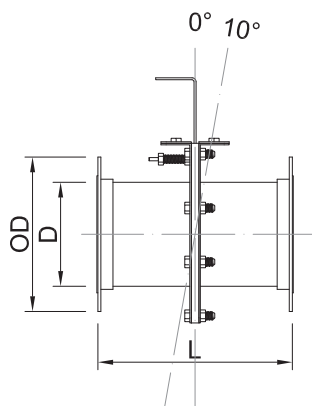
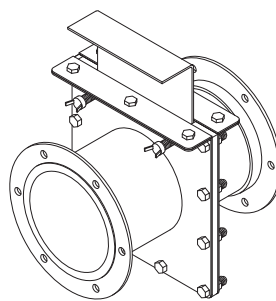
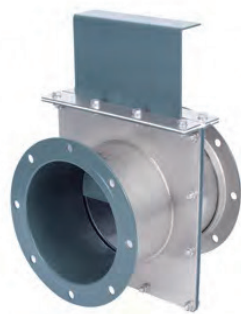
# D100-450mm

## SINGLE BLADE BLAST GATE

(Sizes in mm)

### ORDERING INFORMATION

| BD                                                                                          | 1 | C                                                                                                 | 0100 | AF                                                                                                                                                                                                                                                                                                             | 0200 | /                                                                | A0 |
|---------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|----|
| <b>Description (产品类型)</b><br>BD: BLAST GATE<br>(插板阀)                                        |   | <b>Diameter: D (直径)</b><br><br>100mm ≤ D ≤ 450mm<br><b>eg. 0100:</b> Diameter 100mm<br>(直径100mm)  |      | <b>Length: L (长度)</b><br><br><b>STD.L :</b> (标准长度)<br>200mm for D0100-D0450<br><b>eg. 0200 :</b> Length 200mm<br>(长度200mm)                                                                                                                                                                                     |      | <b>Blade Angle (叶片角度)</b><br><br><b>A0:</b> 0°<br><b>A1:</b> 10° |    |
| <b>Material (材质)</b><br><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L) |   | <b>Coating Yes/No (是否喷涂)</b><br><br>C:ETFE Coated (ETFE 喷涂)<br>S: Staines Steel Uncoated (不锈钢不喷涂) |      | <b>Connection (连接形式)</b><br><br>AF : Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br>AN: SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br>PF: SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br>PN: SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br>XF : Customized Flange (定制法兰) |      |                                                                  |    |





## >>> SPECIFICATIONS

- ☐ SUS304 With ETFE coating
- ☐ Range D100~D450
- ☐ Manual operation
- ☐ PTFE seal inside

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern
- ☐ Gate angle 0° or 10°

### STANDARD PRODUCT DIMENSIONS

| PN                | D<br>(mm) | L<br>(mm) | B<br>(mm) | C<br>(mm) | Blade t<br>(mm) | W.T<br>(mm) | Type of Flange         |
|-------------------|-----------|-----------|-----------|-----------|-----------------|-------------|------------------------|
| BD1C0100AF0200/A0 | 100       | 200       | 153       | 175       | 2.0             | 1.5         | 25*15*3mm angle flange |
| BD1C0150AF0200/A0 | 150       | 200       | 203       | 225       | 2.0             | 1.5         | 25*15*3mm angle flange |
| BD1C0200AF0200/A0 | 200       | 200       | 253       | 275       | 2.0             | 1.5         | 25*15*3mm angle flange |
| BD1C0250AF0200/A0 | 250       | 200       | 303       | 325       | 2.0             | 1.5         | 25*15*3mm angle flange |
| BD1C0300AF0200/A0 | 300       | 200       | 353       | 375       | 2.5             | 1.5         | 25*15*3mm angle flange |
| BD1C0350AF0200/A0 | 350       | 200       | 450       | 500       | 2.5             | 1.5         | 30*22*3mm angle flange |
| BD1C0400AF0200/A0 | 400       | 200       | 500       | 550       | 2.5             | 1.5         | 40*20*3mm angle flange |
| BD1C0450AF0200/A0 | 450       | 200       | 550       | 600       | 2.5             | 1.5         | 40*20*3mm angle flange |

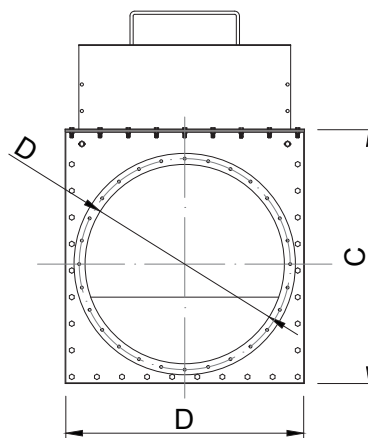
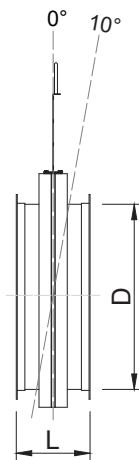
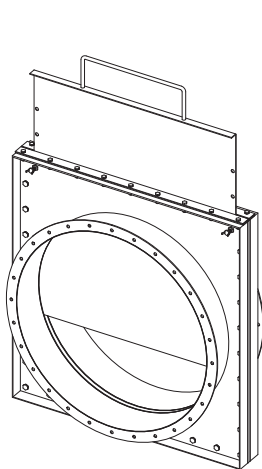
# D500-850mm

## SINGLE BLADE BLAST GATE

(Sizes in mm)

### ORDERING INFORMATION

|                                                                                                                                                                                                                                                                                                                                             |          |          |             |                                                                                                                   |             |          |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-------------|-------------------------------------------------------------------------------------------------------------------|-------------|----------|-----------|
| <b>BD</b>                                                                                                                                                                                                                                                                                                                                   | <b>1</b> | <b>C</b> | <b>0500</b> | <b>AF</b>                                                                                                         | <b>0300</b> | <b>/</b> | <b>A0</b> |
| <b>Description (产品类型)</b><br><b>BD: BLAST GATE</b><br>(插板阀)                                                                                                                                                                                                                                                                                 |          |          |             |                                                                                                                   |             |          |           |
| <b>Material (材质)</b><br>1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L)                                                                                                                                                                                                                                                     |          |          |             |                                                                                                                   |             |          |           |
| <b>Coating Yes/No (是否喷涂)</b><br><b>C:</b> ETFE Coated (ETFE 喷涂)<br><b>S:</b> Stainles Steel Uncoated (不锈钢不喷涂)                                                                                                                                                                                                                               |          |          |             |                                                                                                                   |             |          |           |
| <b>Connection (连接形式)</b><br><b>AF:</b> Standard, SS304 Angle Flange, Tack Welded (标准不锈钢304角钢法兰,点焊)<br><b>AN:</b> SS304 Angle Flange, Not Tack Welded (不锈钢304角钢法兰,不点焊)<br><b>PF:</b> SS304 Flat Flange, Tack welded (不锈钢304平板法兰,点焊)<br><b>PN:</b> SS304 Flat Flange, Not Tack Welded (不锈钢304平板法兰,不点焊)<br><b>XF:</b> Customized Flange (定制法兰) |          |          |             |                                                                                                                   |             |          |           |
| <b>Diameter: D (直径)</b><br>$500\text{mm} \leq D \leq 850\text{mm}$<br><b>eg. 0500:</b> Diameter 500mm (直径100mm)                                                                                                                                                                                                                             |          |          |             | <b>Length: L (长度)</b><br><b>STD.L:</b> (标准长度)<br>300mm for D0500-D0850<br><b>eg. 0300:</b> Length 300mm (长度300mm) |             |          |           |
|                                                                                                                                                                                                                                                                                                                                             |          |          |             | <b>Blade Angle (叶片角度)</b><br><b>A0:</b> 0°<br><b>A1:</b> 10°                                                      |             |          |           |



## >>> SPECIFICATIONS

- ☐ SUS304 with ETFE coating
- ☐ Range D500~D850
- ☐ Manual operation
- ☐ PTFE seal inside

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern
- ☐ Gate angle 0° or 10°

### STANDARD PRODUCT DIMENSIONS

| PN                | D<br>(mm) | L<br>(mm) | B<br>(mm) | C<br>(mm) | Blade t<br>(mm) | W.T<br>(mm) | Type of Flange         |
|-------------------|-----------|-----------|-----------|-----------|-----------------|-------------|------------------------|
| BD1C0500AF0300/A0 | 500       | 300       | 650       | 700       | 3.0             | 2.5         | 46°34'4mm angle flange |
| BD1C0550AF0300/A0 | 550       | 300       | 700       | 750       | 3.0             | 2.5         | 46°34'4mm angle flange |
| BD1C0600AF0300/A0 | 600       | 300       | 750       | 800       | 3.0             | 2.5         | 46°34'4mm angle flange |
| BD1C0650AF0300/A0 | 650       | 300       | 800       | 850       | 3.0             | 2.5         | 46°34'4mm angle flange |
| BD1C0700AF0300/A0 | 700       | 300       | 850       | 900       | 3.0             | 2.5         | 46°34'4mm angle flange |
| BD1C0750AF0300/A0 | 750       | 300       | 900       | 950       | 4.0             | 3.0         | 46°34'4mm angle flange |
| BD1C0800AF0300/A0 | 800       | 300       | 950       | 1000      | 4.0             | 3.0         | 46°34'4mm angle flange |
| BD1C0850AF0300/A0 | 850       | 300       | 1000      | 1050      | 4.0             | 3.0         | 46°34'4mm angle flange |

# NON-RETURN DAMPER

(Sizes in mm)

## ORDERING INFORMATION

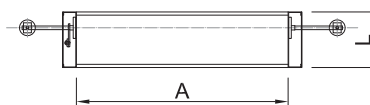
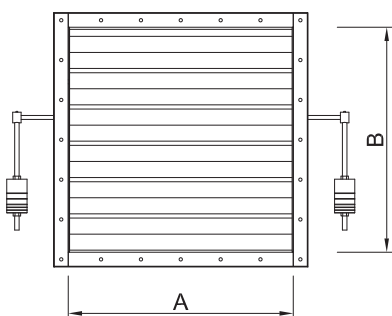
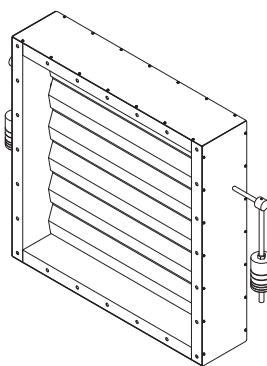
| ND                                                              | 1 | C | 0550/0550 | XF                                      | ---- |
|-----------------------------------------------------------------|---|---|-----------|-----------------------------------------|------|
| <b>Description (产品类型)</b>                                       |   |   |           |                                         |      |
| ND: NON-RETURN DAMPER (止回阀)                                     |   |   |           |                                         |      |
| <b>Material (材质)</b>                                            |   |   |           |                                         |      |
| 1: SS304 (不锈钢304)<br>2: SS304L (不锈钢304L)<br>3: SS316L (不锈钢316L) |   |   |           |                                         |      |
| <b>Coating Yes/No (是否喷涂)</b>                                    |   |   |           |                                         |      |
| C: ETFE Coated (ETFE 喷涂)<br>S: Stainles Steel Uncoated (不锈钢不喷涂) |   |   |           |                                         |      |
| <b>Connection (连接形式)</b>                                        |   |   |           |                                         |      |
| XF : Customized Flange (定制法兰)                                   |   |   |           |                                         |      |
|                                                                 |   |   |           | <b>Length: L (长度)</b>                   |      |
|                                                                 |   |   |           | STD.L : (标准长度)<br>210mm for D0550-D1500 |      |

### A/B Length (A/B 长度)

550mm ≤ A ≤ 1500mm

550mm ≤ B ≤ 1500mm

eg. 0550/0550: Length A = 0550mm  
Length B = 0550mm



## >>> SPECIFICATIONS

- ☐ SUS304 with ETFE coating
- ☐ Adjustable counter weight
- ☐ PTFE axle seal

## >>> OPTIONS

- ☐ Customised length possible
- ☐ Customised flange pattern

### STANDARD PRODUCT DIMENSIONS

| PN                  | A<br>(mm) | B<br>(mm) | L<br>(mm) | W.T<br>(mm) | Type of Flange |
|---------------------|-----------|-----------|-----------|-------------|----------------|
| ND1C0550/0550XF---- | 550       | 550       | 210       | 2.0         | Customized     |
| ND1C0600/0600XF---- | 600       | 600       | 210       | 2.0         |                |
| ND1C0650/0650XF---- | 650       | 650       | 210       | 2.0         |                |
| ND1C0700/0700XF---- | 700       | 700       | 210       | 2.0         |                |
| ND1C0750/0750XF---- | 750       | 750       | 210       | 2.0         |                |
| ND1C0800/0800XF---- | 800       | 800       | 210       | 2.0         |                |
| ND1C0850/0850XF---- | 850       | 850       | 210       | 2.0         |                |
| ND1C0900/0900XF---- | 900       | 900       | 210       | 2.0         |                |
| ND1C0950/0950XF---- | 950       | 950       | 210       | 2.0         |                |
| ND1C1000/1000XF---- | 1000      | 1000      | 210       | 2.0         |                |
| ND1C1050/1050XF---- | 1050      | 1050      | 210       | 2.0         |                |
| ND1C1100/1100XF---- | 1100      | 1100      | 210       | 2.0         |                |
| ND1C1150/1150XF---- | 1150      | 1150      | 210       | 2.0         |                |
| ND1C1200/1200XF---- | 1200      | 1200      | 210       | 2.0         |                |
| ND1C1250/1250XF---- | 1250      | 1250      | 210       | 2.0         |                |
| ND1C1300/1300XF---- | 1300      | 1300      | 210       | 2.0         |                |
| ND1C1350/1350XF---- | 1350      | 1350      | 210       | 2.0         |                |
| ND1C1400/1400XF---- | 1400      | 1400      | 210       | 2.0         |                |
| ND1C1450/1450XF---- | 1450      | 1450      | 210       | 2.0         |                |
| ND1C1500/1500XF---- | 1500      | 1500      | 210       | 2.0         |                |

# KENYON QUALIFICATIONS



FM Certificate



Product Certificate



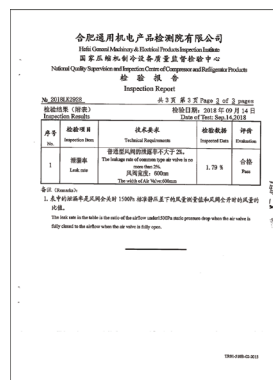
Business License



ISO9001:Quality Management System Certificate



Product Testing Report



Feedback From Customers



# KENYON CLIENTS

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MICRON



INFINEON



INTEL



YMTC



Qualcomm



STM



SSMC



SEAGATE



PHILIPS



GE



APPLE



FIRST SOLAR



ROLLO-ROYCE



BOSCH



Global foundries



NUS SERIS SINGAPORE



IME



JOHNSON



XMC



AMTC



TSMC



AUO



DU PONT



AST



SOITEC



AMS



TI



SAMSUNG



IMFS



M & E



yantai xian hua



Lumileds



X-Fab



NTU



GCL



siltronic singapore



CXMT



CATL



Sunpower



# KENYON PROJECT

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# KENYON PROJECT

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# KENYON PROJECT

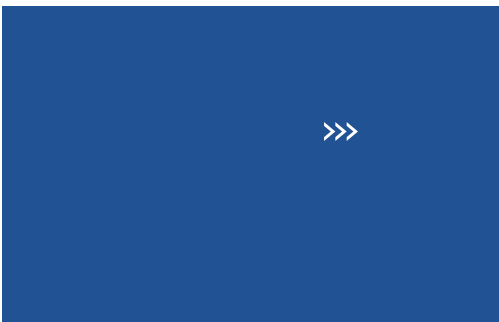
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# KENYON PROJECT

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# **MANUFACTURING & SALES**

## **CHINA**

### **Kenyon Technology (Suzhou) Co. Ltd**

28, Wanqian Lane, Yangpu Road,  
Suzhou Industrial Park, Suzhou  
215126, Jiangsu Province, Peoples'  
Republic of China.

Tel: +86-512-6283 3900

Fax: +86-512-6283 3966

E-mail: [infosu@kenyon.com.cn](mailto:infosu@kenyon.com.cn)

## **SINGAPORE**

### **Kenyon Pte Ltd**

8 Loyang Crescent Singapore 509016

Tel: +65-6542 8888

Fax: +65-6542 8669

E-mail: [info@kenyon.com.sg](mailto:info@kenyon.com.sg)

# **DISTRIBUTOR**

## **EUROPE**

### **GFPD GmbH**

Ringstrasse 24a 01468 Moritzburg - OT  
Boxdorf Germany

Tel: +49 351 323 339 25

E-mail: [info@gfpd-gmbh.net](mailto:info@gfpd-gmbh.net)

## **ASEAN Region**

### **TCP Global Pte Ltd**

30 Loyang Way, #02-03 Singapore  
508769

Tel: +65-6295 5787

E-mail: [sales@tcpgrp.com](mailto:sales@tcpgrp.com)