



PRODUCT
SELECTION & INSTALLATION
MANUAL



FSTpipe Quality Assurance

FSTpipe won the national high-tech enterprise certification, ISO9001 "Quality Management System" certification, ISO14001 "Environmental Management System" certification, special equipment manufacturing license (TS certification), special equipment installation license (GC2 level), more than 100 invention and utility model patents and many other authoritative certifications;

FSTpipe gives customers ten years of quality warranty,

and promise to compensate for the loss of FST pipe fittings and aluminum pipes caused by material defects.

A small investment in compressed air pipelines to get returns greatly. FSTpipe super pipelines will escort your production and operation!



Ten-year warranty

✓ The warranty only applies to the use of FSTpipe original fittings.

✓ The installation needs to be protected from impact, vibration, or corrosion.

✓ Need to follow the instructions or standard installation manual for installation.

✓ Never use under conditions that are below or exceed the normal limit value of the fitting.

✓ The warranty is limited to vulnerable parts and does not include replacement services by technicians.

✓ The warranty period is limited to providing you with new FST pipe fittings or pipes.
And it should be determined by Foster technicians that the failure of the fitting or pipeline is entirely caused by defects in the production materials.



SAFE



QUICK



SAVING



CLEAN

01 PART NUMBER
DESCRIPTION

02 PIPE SIZE
SELECTION

03 BASIC
INFORMATION

04 ALUMINUM PIPE
SERIES

05 PIPE FITTING
SERIES

16 ACCESSORY
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30 TOOLS SERIES

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GUIDE

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EXAMPLE

2006 5407 00
16 CC60 02
06A 5502 01

2006 5 4 07 00

Finished product or spare part

Category

Inlet Size

Outlet Size

Numbers designed to distinguish the different generation or subsequent improvements

THE FIRST TWO, THREE, OR FOUR NUMBERS

Designed to distinguish the 1st generation, 2nd generation, 3rd generation or subsequent improvements

THE LAST TWO NUMBERS ARE FOR THE FINISHED PRODUCT

It is usually indicated by "00", also be used for the same part but different finished products, such as pipe fittings: "00" means "with stainless steel internal", "01" means "different pipe fitting of the same type", "02" means "grooved type"; For aluminum pipes, "00" means "straight pipe", "02" means "grooved pipe"

THE FIRST NUMBER OF THE MIDDLE FOUR NUMBERS IS THE PRODUCT OUTLET SIZE

0-Less than De20	1-Less than De20	2-Less than De25	3-Less than De32
4-Less than De42	5-Less than DN50	6-Less than DN65	8-Less than DN80
9-Less than DN100	A-Less than DN150	B-Less than DN200	C-Less than DN125

THE SECOND NUMBER OF THE MIDDLE FOUR NUMBERS IS THE PRODUCT OUTLET SIZE

0-Less than De20	1-Less than De20	2-Less than De25	3-Less than De32
4-Less than De42	5-Less than DN50	6-Less than DN65	8-Less than DN80
9-Less than DN100	A-Less than DN150	B-Less than DN200	C-Less than DN125

THE LAST TWO NUMBERS OF THE MIDDLE FOUR NUMBERS ARE THE PRODUCT CATEGORY

60- 6m Blue Aluminum Pipe	61- 6m Yellow Aluminum Pipe	30- 3m Blue Aluminum Pipe	6h- 6m Gray Aluminum Pipe
02- Equal Pipe to Pipe Connector	03- 90° Elbow	04- 45° Elbow	05- Equal Tee
06- End Cap	07- Reducing Tee	08- Y Type Tee	09- Reducing Pipe to Pipe Connector
10- Male Threaded Nipple Socket	11- Female Threaded Nipple Socket	12- Put in Fit SS Ball Valve	13- Male Threaded Put in Fit SS Ball Valve
14- Put in Fit SS Butterfly Valve	15- Quick Drop	16- Female Threaded Quick Drop	17- Handle Lever Wafer SS Butterfly Valve
18- Handle Lever Wafer Carbon steel Butterfly Valve	19- Female Threaded Reducing Tee	20- Female Threaded 90° Elbow	21- Pipe Clip
22- U Channel Fixing Bracket	23- Wall Plug-in Contactor	24- Internal & External Threaded SS Ball Valve	25- Wall Plug-in Female Threaded Nipple Socket
26- Circular Aluminum Flange	27- Blank Flange	28- Female Threaded SS Flange	29- SS Shockproof Flange
32-34- Male Threaded Socket	35-37- Female Threaded Socket	38-39- Hose Socket	40- Male Threaded Socket

PIPE FLOW COMPARISON TABLE

According to the required flow and pressure, to choose the most suitable diameter of FST pipe for your pipe system

Flow Calculation Formula:

$q = \pi r^2 \cdot V \cdot (P \cdot 10 + 1) \cdot (T + 20) / (T + t)$
q: Pipeline flow rate (m ³ /min)
r: the radius of the pipe through which the gas passes (m)
V: Pipeline velocity (m/s)
P: The pressure at the cross-sectional area where the gas passes (MPa)
T: Absolute temperature: 273.15 (°C)
t: The actual temperature of the gas passing through the cross-sectional area (°C)

Pressure Drop Calculation Formula:

$\Delta p = 450 q^2 L / (d^5 p)$
Δp : Pressure drop(bar)
q: Volume flow(L/s)
L: Pipe length(m)
d: Pipe inner diameter(mm)
P: Exhaust pressure (absolute pressure)(bar)

Pipe Material	Aluminum Alloy										
Standard	De20	De25	De32	De42	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Inch	3/4 "	1 "	1-1/4 "	1-1/2 "	2 "	2-1/2 "	3 "	4 "	5 "	6 "	8 "
Pipe OD(mm)	20.00	24.80	32.20	42.00	50.60	63.50	88.90	100.20	133.00	148.20	205.30
Thickness(mm)	1.45	1.45	1.60	1.90	2.10	2.30	2.60	2.60	2.75	3.00	3.20
Pipe ID(mm)	17.10	21.90	29.00	38.20	46.40	58.90	83.70	95.00	127.50	142.20	198.90
3.0bar(15m/s)	0.83	1.36	2.38	4.12	6.08	9.80	19.80	25.50	45.94	57.14	111.80
3.5bar(15m/s)	0.93	1.52	2.67	4.64	6.84	11.03	22.27	28.69	51.68	64.29	125.77
4.0bar(15m/s)	1.03	1.69	2.97	5.15	7.61	12.25	24.75	31.88	57.43	71.43	139.75
4.5bar(15m/s)	1.14	1.86	3.27	5.67	8.37	13.48	27.22	35.07	63.17	78.57	153.72
5.0bar(15m/s)	1.24	2.03	3.56	6.19	9.13	14.71	29.70	38.26	68.91	85.72	167.70
5.5bar(15m/s)	1.34	2.20	3.86	6.70	9.89	15.93	32.17	41.45	74.65	92.86	181.67
6.0bar(15m/s)	1.45	2.37	4.16	7.22	10.65	17.16	34.65	44.63	80.40	100.00	195.65
6.0bar(12m/s)	1.16	1.90	3.33	5.77	8.52	13.73	27.72	35.71	64.32	80.00	156.52
6.5bar(12m/s)	1.24	2.03	3.56	6.19	9.13	14.71	29.70	38.26	68.91	85.72	167.70
7.0bar(12m/s)	1.32	2.17	3.80	6.60	9.73	15.69	31.68	40.81	73.50	91.43	178.88
7.5bar(12m/s)	1.40	2.30	4.04	7.01	10.34	16.67	33.66	43.36	78.10	97.14	190.06
8.0bar(12m/s)	1.49	2.44	4.28	7.42	10.95	17.65	35.64	45.91	82.69	102.86	201.24
8.5bar(12m/s)	1.57	2.58	4.52	7.84	11.56	18.63	37.62	48.46	87.29	108.57	212.42
9.0bar(12m/s)	1.65	2.71	4.75	8.25	12.17	19.61	39.60	51.01	91.88	114.29	223.60
9.5bar(12m/s)	1.74	2.85	4.99	8.66	12.78	20.59	41.58	53.56	96.47	120.00	234.78
10bar(12m/s)	1.82	2.98	5.32	9.07	13.39	21.57	43.56	56.11	101.07	125.72	245.96

Note: The data units obtained above are all m³/min

FULL PERFORMANCE PIPELINE TECHNICAL SPECIFICATIONS

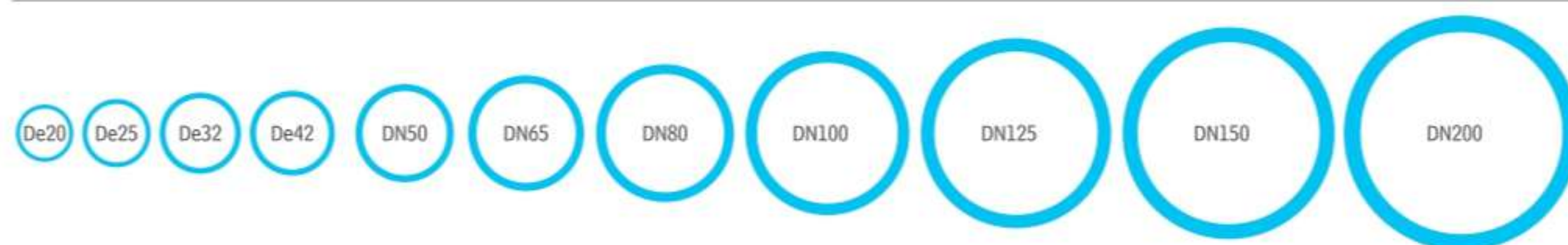
FSTPIPE ALUMINUM AIR PIPE(6M)

De20	De25	De32	De42	DN50	DN65	DN80	DN100	DN125	DN150	DN200
•	•	•	•	•	•	•	•	•	•	•

Pipe fittings	De20 3/4"	De25 1"	De32 1-1/4"	De42 1-1/2"	DN50 2"	DN65 2-1/2"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"
Equal Pipe to Pipe Connector	•	•	•	•	•	•	•	•	•	•	•
Reducing Tee		•	•	•	•	•	•	•	•	•	•
90° Elbow	•	•	•	•	•	•	•	•	•	•	•
Equal Tee	•	•	•	•	•	•	•	•	•	•	•
Reducing Tee		•	•	•	•	•	•	•	•	•	•
Quick Drop		•	•	•	•	•	•	•	•	•	•
Female Threaded Quick Drop		•	•	•	•	•	•	•	•	•	•
Put in Fit Valve	•	•	•	•	•	•	•	•	•	•	•
End Cap	•	•	•	•	•	•	•	•	•	•	•
Circular Aluminum Flange	•	•	•	•	•	•	•	•	•	•	•

THE CHOICE OF PIPE DIAMETER DIRECTLY AFFECTS THE TRANSMISSION EFFICIENCY OF THE PIPE NETWORK:

In order to ensure the minimum pressure drop, we have various specifications of pipes and make the best choice for you.



FSTPIPE TECHNICAL DATA

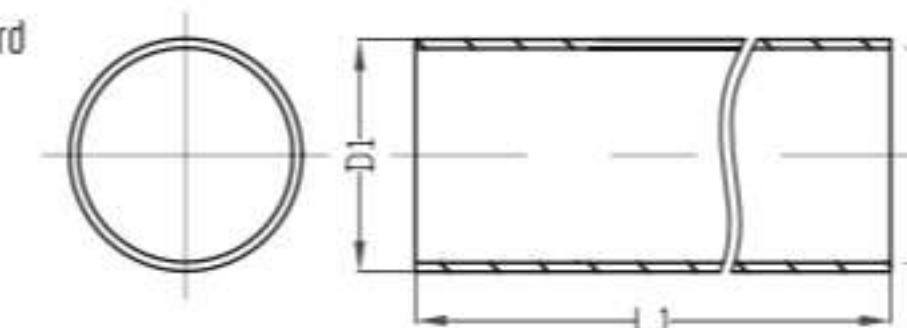
- Ambient temperature: -29°C~+80°C
- Maximum working pressure: 16bar
- Vacuum: 0.013bar absolute pressure (compatible with all compressor oils)
- Suitable for outdoor installation: FST pipe series are fire-resistant (in line with UL-90-VO standard) seamless extruded aluminum pipe
- GB/T4437.1-2015;
- FSTpipe series obtained TS certification
- All threaded joints are BSP



RIGID ALUMINUM ALLOY FEATURES:

- Pipe length: 6m;
- Maximum working pressure: 16 bar;
- Applicable temperature: -29°C~+80°C;
- Suitable for: compressed air, vacuum, nitrogen, inert gas etc.
- Coating adhesion: 100 grid knife testing, 0 level qualified;
- Corrosion resistance: 500H neutral salt spray test, appearance grade 10;
- Coating film thickness: electrostatic spraying-color number: customizable, using DuPont powder, thickness = 70 +/- 10 μm;
- Chemical composition: meet the requirements of GB/T 3190-2008 "Chemical composition of wrought aluminum and aluminum alloy", density 2.7 Kg/dm³;

Size Standard

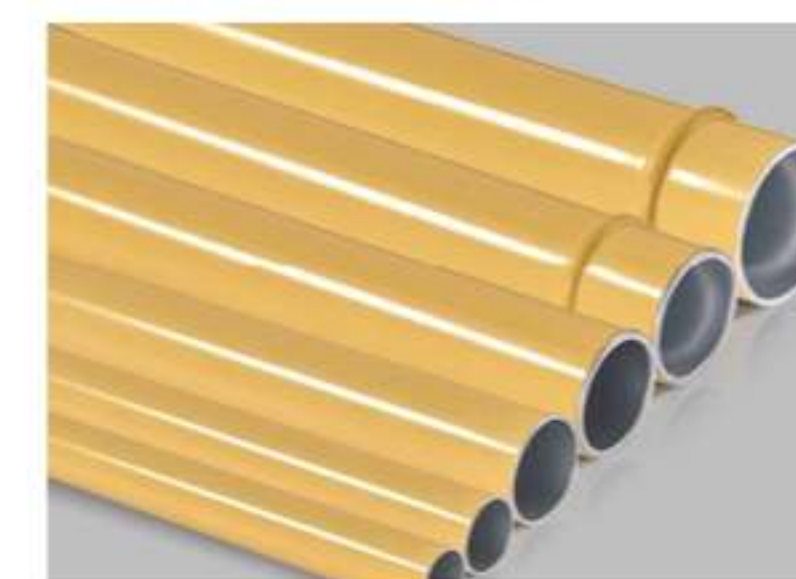


Remarks: The part number of the yellow aluminum pipe is 60 to 61;

The part number to the gray aluminum pipe is 60 to 6H;

Please consult the inventory before ordering yellow or gray aluminum pipes.

Remarks: Pipe mark: ---- FST pipe DN50 (50.6×2.1MM) Q/FST 1 TS271097W-2023 1023 20200905 WWW.FST-PIPE.NET ----



YELLOW ALUMINUM PIPE



BLUE ALUMINUM PIPE



GRAY ALUMINUM PIPE

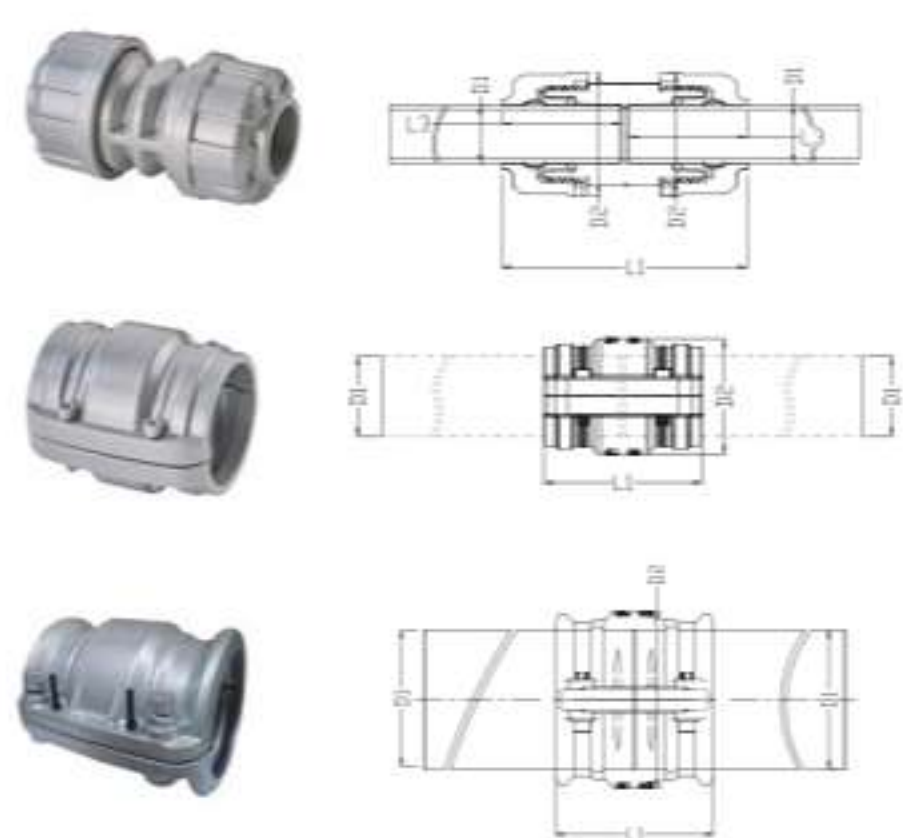
Product number	Standard	Outer diameter (mm)	Inside diameter (mm)	Pipe length (m)	Product description
17226000	De20	20	17.1	6	ø20X1.45
17336000	De25	24.8	21.9	6	ø24.8X1.45
2015336000	De32	32.2	29	6	ø32.2X1.6
17556000	De42	42	38.2	6	ø42X1.9
2015556002	DN50	50.6	46.4	6	ø50.6X2.1, both ends bead rolled
2019666002	DN65	63.5	58.9	6	ø63.5X2.3, both ends bead rolled
2019886002	DN80	88.9	83.7	6	ø88.9X2.6, both ends bead rolled
2015996002	DN100	100.2	94.7	6	ø100.2X2.6, both ends bead rolled
16CC6002	DN125	133	127.5	6	ø133X2.75, both ends bead rolled
2015AA6002	DN150	148.2	142.2	6	ø148.2X3, both ends bead rolled
2015BB6002	DN200	205	198.6	6	ø205X3.2, both ends bead rolled

30° Hydraulic Hose	Product number	Standard	Pipe length (mm)	Product description
	16225000	De20	600	Hydraulic Hose, De20, 600mm
	16335000	De25	700	Hydraulic Hose, De25, 700mm
	16445000	De32	800	Hydraulic Hose, De32, 800mm
	2019445000	De42	900	Hydraulic Hose, De42, 900mm

FSTPIPE FITTINGS

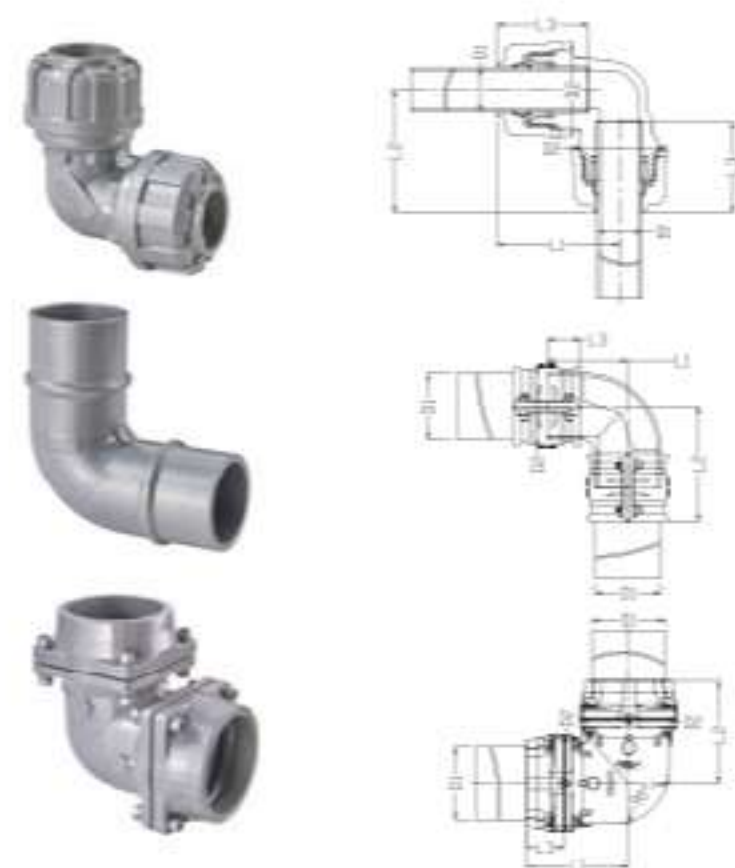
- ① Different equal pipe to pipe connector designs make the pipe connection safer and faster
- ② "Full bore" design
- ③ The components can be disassembled, expanded and reused at will
- ④ Commonly used in air compressors and post-processing equipment and pneumatic accessories of various brands
- ⑤ Rugged and durable, non-flammable materials, extremely high pressure resistance
- ⑥ Quick installation without welding

EQUAL PIPE TO PIPE CONNECTOR



Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)
16220200	De20	85	—	41.5	20.1	42.5
16330200	De25	88	—	45	24.8	52
16440200	De32	92	—	47	32.2	58
16550200	De42	183	—	50	42	71
2019550202	DN50	100	84	48.5	50.8	73
2019660202	DN65	104	86	50.5	63.5	87
2019880202	DN80	152	152	75	88.9	122
2019990202	DN100	152	164	75	100.2	134
2019CC0202	DN125	153	196	75	133	170
2015AA0202	DN150	162	223	76	148	182
2015BB0202	DN200	163	281	77	205	244

90° ELBOW



Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)
16220300	De20	56	56	41.5	20.1	42.5
16330300	De25	62	62	45	24.8	52
16440300	De32	68	68	47	32.2	58
16550300	De42	76	76	50	42	71
2019550300	DN50	88.6	138.6	48.5	50.8	73
2019660300	DN65	100	152	50.5	63.5	87
2019880300	DN80	145	221	75	88.9	122
2015990300	DN100	153	229	75	100.2	134
F16CC0300	DN125	187.5	187.5	70	133	176
2015AA0300	DN150	180	261	76	148	182
2015BB0300	DN200	210	291	77	205	244

EQUAL TEE

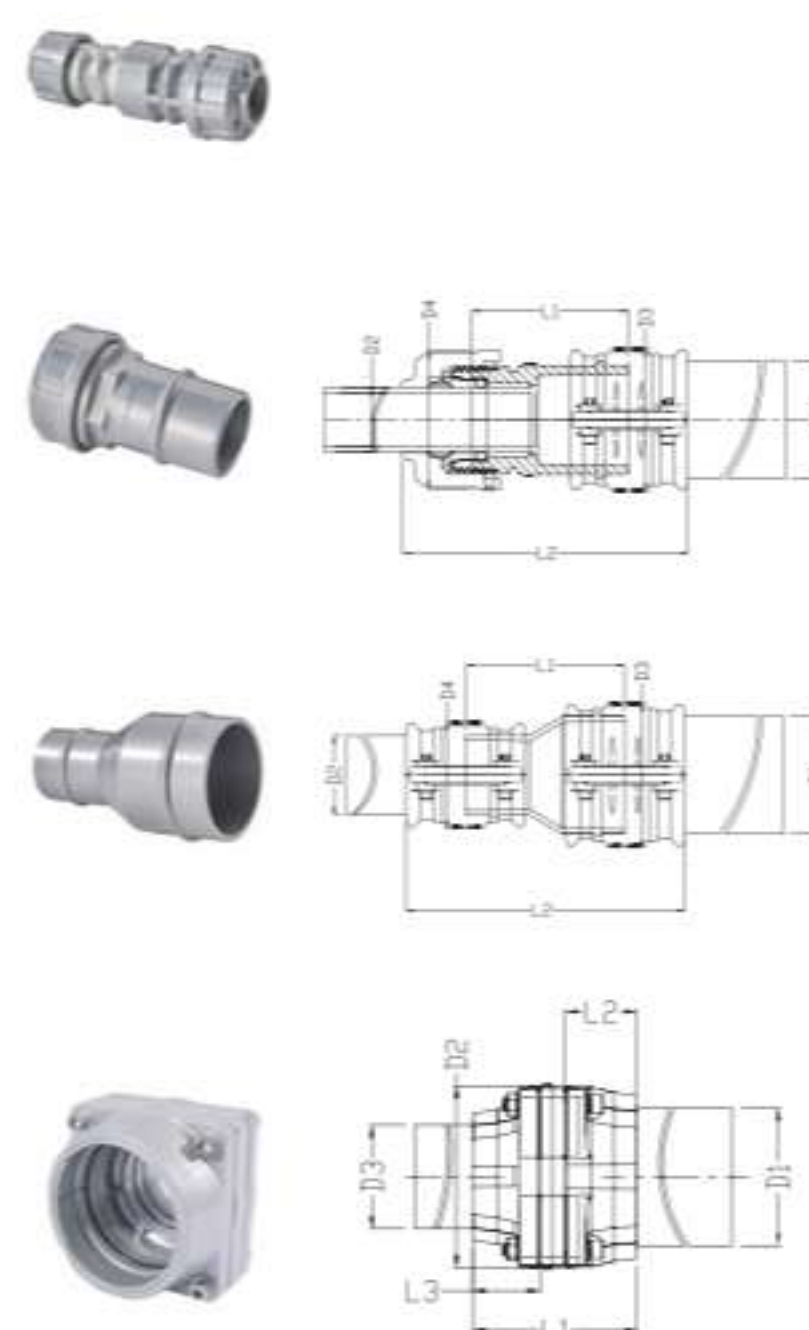


Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	L4(mm)	D1(mm)	D2(mm)
16220500	De20	112	56	41.5	—	20.1	42.5
16330500	De25	126	63	45	—	24.8	52
16440500	De32	136	68	47	—	32.2	58
16550500	De42	152	76	50	—	42	71
2019550500	DN50	180	280	48.5	90	50.8	73
2019660500	DN65	200	304	50.5	100	63.5	87
2019880500	DN80	280	432	75	140	88.9	122
2015990500	DN100	282	434	75	141	100.2	134
F16CC0500	DN125	375	187.5	70	—	133	176
2015AA0500	DN150	350	512	76	175	148	182
2015BB0500	DN200	410	573	77	205	205	244

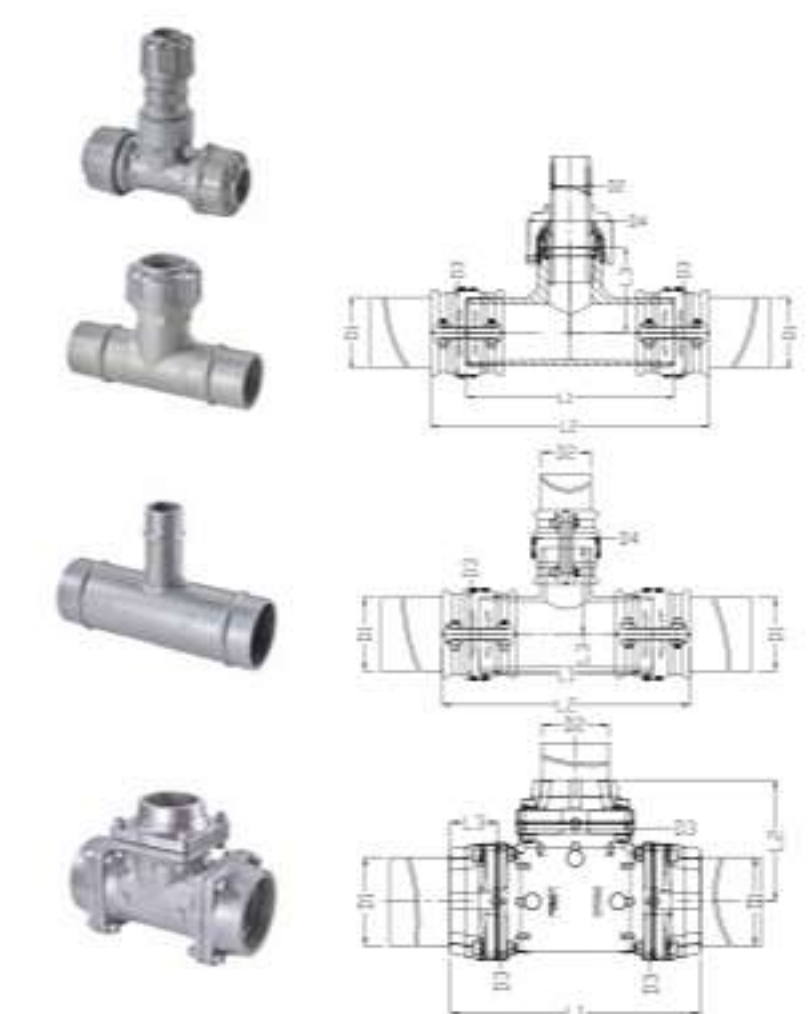
END CAP



REDUCING PIPE TO PIPE CONNECTOR



REDUCING TEE



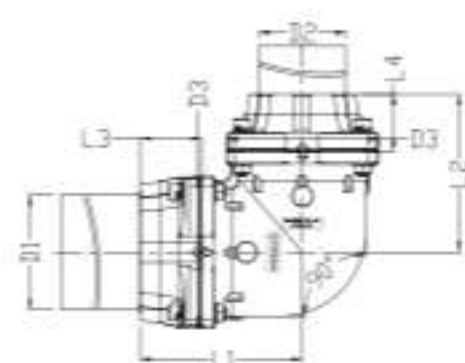
Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)
16200600	De20	—	—	—	20.1	42.5
16300600	De25	—	—	—	24.8	52
16400600	De32	—	—	—	32.2	58
16500600	De42	—	—	—	42	71
2019500600	DN50	65	115	48.5	50.8	73
2019600600	DN65	65	117	50.5	65.3	87
2019800600	DN80	85	161	75	88.9	122
2015900600	DN100	85	161	75	100.2	134
F16C00600	DN125	118	70	—	133	176
16A00600	DN150	85	170	76	148	182
16800600	DN200	92	178	77	205	244

Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)	D3(mm)	D4(mm)
16320900	De25×De20	—	—	—	—	—	—	—
16420900	De32×De20	—	—	—	—	—	—	—
16430900	De32×De25	—	—	—	—	—	—	—
16530900	De42×De25	—	—	—	—	—	—	—
16540900	De42×De32	—	—	—	—	—	—	—
2019540900	DN50×De42	96.5	165	—	50.6	42	73	71
2019640900	DN65×De42	91.5	162	—	63.5	42	87	71
2019650900	DN65×DN60	135	237	—	63.5	50.8	87	73
2019840900	DN80×De42	118.5	213.5	—	88.9	42	122	71
2019850900	DN80×DN60	178	303	—	88.9	50.8	122	73
2019860900	DN80×DN65	172	299	—	88.9	63.5	122	87
2019940900	DN100×De42	119	214	—	100.2	42	134	71
2019950900	DN100×DN60	189	314	—	100.2	50.8	134	73
2019960900	DN100×DN65	183	310	—	100.2	63.5	134	87
2019980900	DN100×DN80	171	321	—	100.2	88.9	134	122
F16C90900	DN125×DN100	159	70	65	133	176	100.2	—
2015A90900	DN150×DN100	200	355	—	148	100.2	182	134
2019AC0900	DN150×DN125	170	325	—	148	133	182	170
16B90900	DN200×DN100	170	325	—	205	100.2	182	134
2019BC0900	DN200×DN125	190	345	—	205	133	244	170
16BA0900	DN200×DN150	180	340	—	205	148	244	182

Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)	D3(mm)	D4(mm)
16320700	De25×De20	—	—	—	—	—	—	—
16430700	De32×De25	—	—	—	—	—	—	—
16530700	De42×De25	—	—	—	—	—	—	—
16540700	De42×De32	—	—	—	—	—	—	—
2019540700	DN50×De42	180	280	80	50.8	42	73	71
2019640700	DN65×De42	196	300	80	63.5	42	87	71
2019650700	DN65×DN60	194	298	99	63.5	50.8	87	73
2019840700	DN80×De42	280	432	99.5	88.9	42	122	71
2019850700	DN80×DN60	280	432	140	88.9	50.8	122	73
2019860700	DN80×DN65	280	432	140	88.9	63.5	122	87
F16C90700	DN125×DN100	375	182.5	70	133	100.2	176	—
2015A90700	DN150×DN100	350	512	175	148	100.2	182	134
2015B90700	DN200×DN100	410	573	205	205	100.2	182	134
2015BA0700	DN200×DN150	410	573	194	205	148	244	182

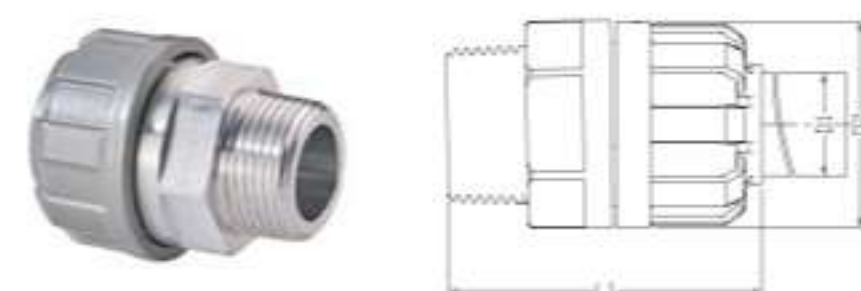
PIPE FITTING SERIES

90° REDUCING ELBOW



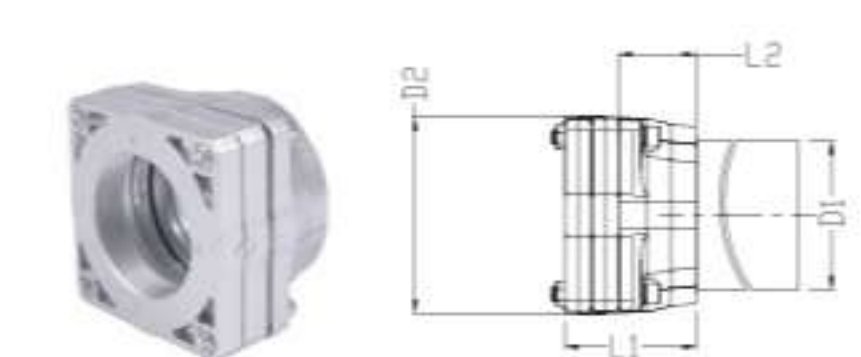
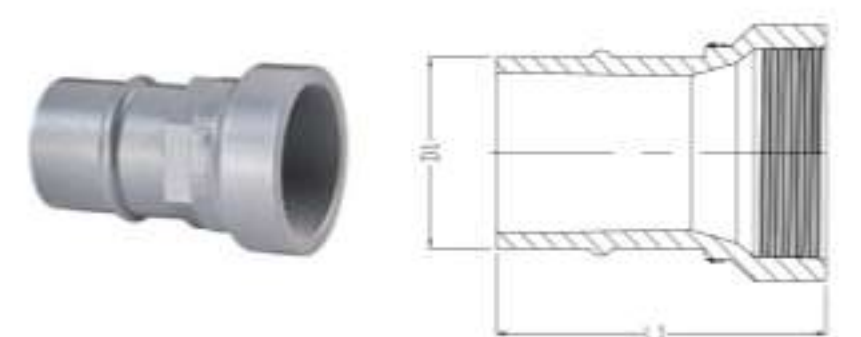
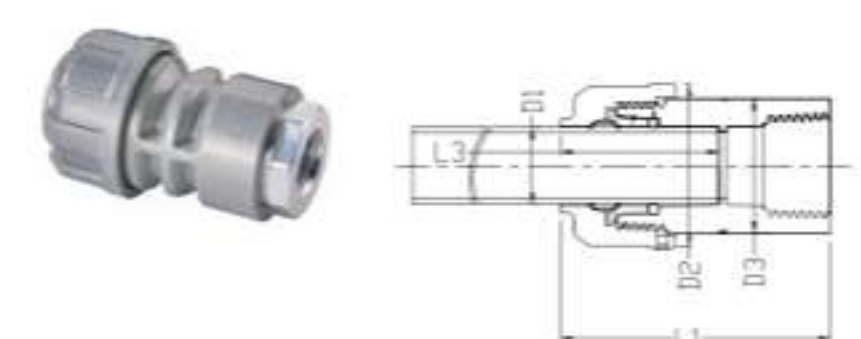
Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	L4(mm)	D1(mm)	D2(mm)	D3(mm)
F16C90300	DN125×DN100	187.5	182.5	70	65	133	100.2	176

MALE THREADED NIPPLE SOCKET



Part Number	Standard	L1(mm)	D1(mm)	D2(mm)
16201000	De20×1/2"	59	20.1	42.5
16211000	De20×3/4"	60	20.1	42.5
16221000	De20×1"	71	20.1	42.5
16301000	De25×1/2"	61	24.8	52
16311000	De25×3/4"	62	24.8	52
16321000	De25×1"	64.5	24.8	52
16331000	De25×1 1/4"	75	24.8	52
16421000	De32×1"	—	32.2	58
16431000	De32×1 1/4"	—	32.2	58
16441000	De32×1 1/2"	80	32.2	58
16521000	De42×1"	—	42	71
16531000	De42×1 1/4"	—	42	71
16541000	De42×1 1/2"	—	42	71
16551000	De42×2"	86	42	71
2019551000	DN50×2"	97	50.8	—
2019661000	DN65×2 1/2"	105	63.5	—
2019881000	DN80×3"	128.5	88.9	—

FEMALE THREADED NIPPLE SOCKET

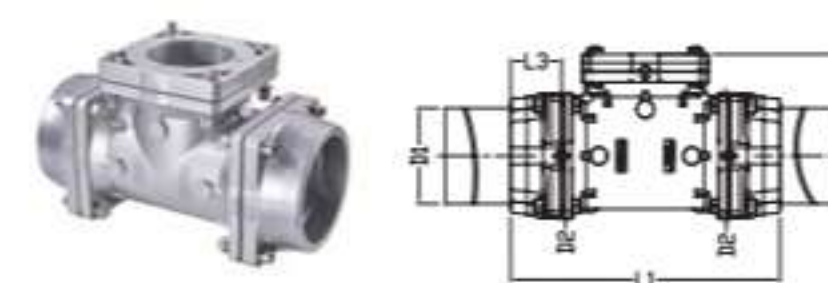
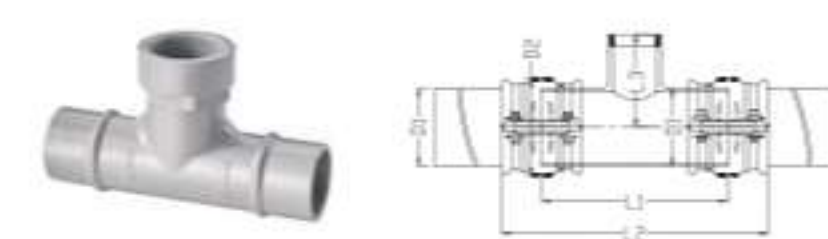
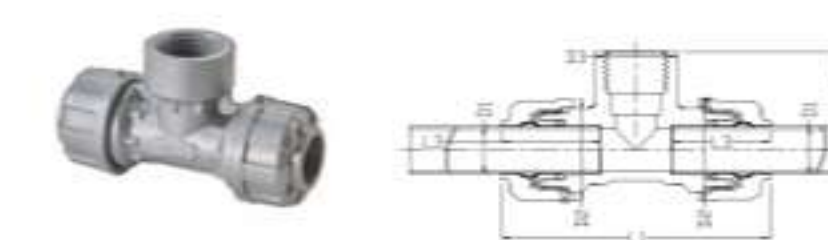


Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)	D3(mm)
16201100	De20×RC 1/2"	—	—	—	20	42.5	—
16211100	De20×RC 3/4"	71	—	41.5	20	42.5	35
16301100	De25×RC 1/2"	—	—	—	24.8	52	—
16311100	De25×RC 3/4"	75	—	45	24.8	52	44
16321100	De25×RC 1"	75	—	45	24.8	52	44
16411100	De32×RC 3/4"	—	—	—	32.2	58	—
16421100	De32×RC 1"	—	—	—	32.2	58	—
16431100	De32×RC 1 1/4"	80	—	47	32.2	58	50
16521100	De42×RC 1"	—	—	—	42	71	—
16531100	De42×RC 1 1/4"	—	—	—	42	71	—
16541100	De42×RC 1 1/2"	86	—	50	42	71	62
16551100	De42×RC 2"	—	—	—	42	71	—
2019541100	DN50×RC 1 1/2"	96.5	—	—	50.8	—	—
2019551100	DN50×RC 2"	107	—	—	50.8	—	—
2019661100	DN65×RC 2 1/2"	110	—	—	63.5	—	—
2019881100	DN80×RC 3"	134	—	—	88.9	—	—
2015981100	DN100×RC 3"	—	—	—	100.2	—	—
F16C91100	DN125×RC 4"	118	70	—	133	176	—
16A81100	DN150×RC 3"	85	—	—	148	—	—
16A91100	DN150×RC 4"	85	—	—	148	—	—
16B81100	DN200×RC 3"	85	—	—	205	—	—
16B91100	DN200×RC 4"	85	—	—	205	—	—

SQUARE GASKET



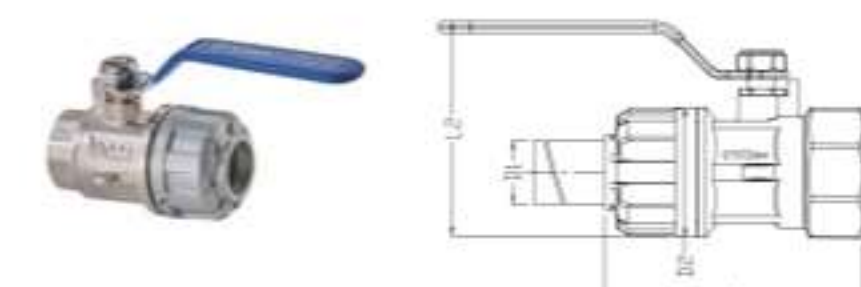
FEMALE THREADED REDUCING TEE



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)
F16CC0201	—	—	—	—	—

Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	D1(mm)	D2(mm)	D3(mm)
16201900	De20×RC 1/2"	—	—	—	20	42.5	—
16211900	De20×RC 3/4"	112	—	41.5	20	42.5	35
16301900	De25×RC 1/2"	—	—	—	24.8	52	—
16311900	De25×RC 3/4"	126	—	45	24.8	52	44
16321900	De25×RC 1"	126	—	45	24.8	52	44
16411900	De32×RC 3/4"	—	—	—	32.2	58	—
16421900	De32×RC 1"	—	—	—	32.2	58	—
16431900	De32×RC 1 1/4"	136	—	47	32.2	58	50
16531900	De42×RC 1 1/4"	—	—	—	42	71	—
16541900	De42×RC 1 1/2"	152	—	50	42	71	62
2019541900	DN50×RC 1 1/2"	180	280	80	50.8	73	—
2019641900	DN65×RC 1 1/2"	196	300	80	63.5	87	—
2019861900	DN80×RC 2 1/2"	280	432	99.5	88.9	122	—
F16CC1900	DN125×RC 4"	375	141.5	70	133	176	—
16A81900	DN150×RC 3"	350	520	175	148.2	182	—

FEMALE THREADED PUT IN FIT BRASS BALL VALVE



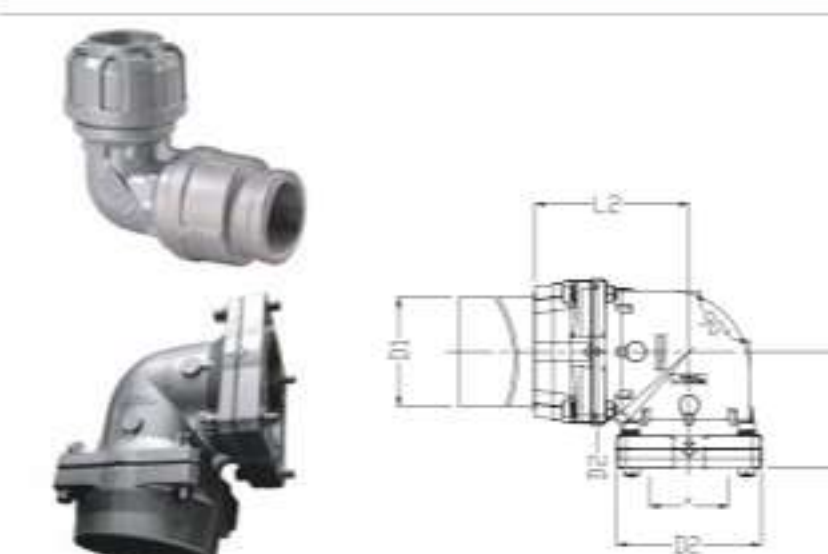
PUT IN FIT BRASS BALL VALVE



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)	D3(mm)
16204700	De20×RC 1/2"	82.5	76	20.1	42.5	36
16214700	De20×RC 3/4"	82.5	76	20.1	42.5	36
16314700	De25×RC 3/4"	90	82	24.8	52	42.5
16324700	De25×RC 1"	90	82	24.8	52	42.5

Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)
16225700	De20	106	70	20	42.5
16335700	De25	114	82	24.8	52
16445700	De32	122	88	32.2	58
2019445700	De42	130	91	42	71
2019555700	DN50	196	126	50.8	81.4

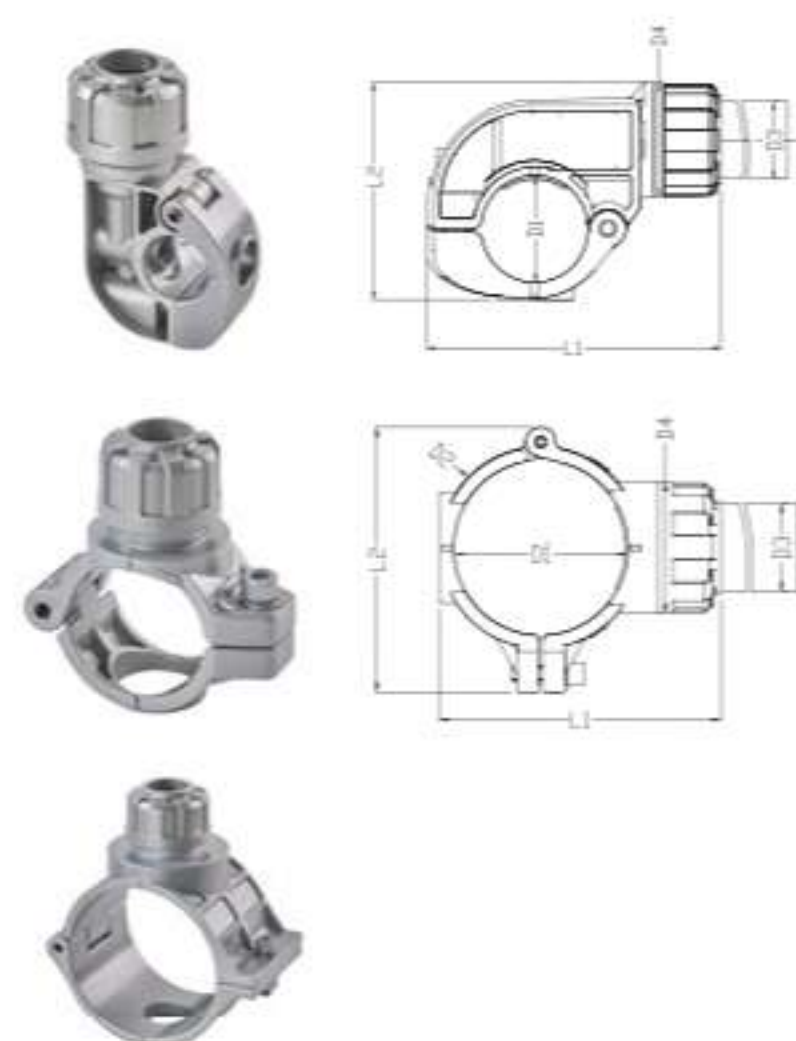
FEMALE THREADED 90° ELBOW



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)
16102000	De20×RC 1/2"	—	—	—	—
16112000	De20×RC 3/4"	—	—	—	—
16222000	De25×RC 1"	—	—	—	—
F16C92000	DN125×RC 4"	141.5	187.5	133	176

PIPE FITTING SERIES

QUICK DROP



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)	D3(mm)	D4(mm)
16321500	De25×De20	97.5	64	24.8	—	20.0	42.5
16421500	De32×De20	99	66	32.2	—	20.0	42.5
16521500	De42×De20	117	79	42	—	24.8	42.5
16311900	De42×De25	86.5	80	42	52.6	24.8	52
06A511500	DN50×De20	95	92	50.6	64	20.0	42.5
06A521500	DN50×De25	95.5	92	50.6	64	24.8	52
06A531500	DN50×De32	96	92	50.6	64	32.2	58
2019611500	DN65×De20	107.5	107	63.5	79	20.0	42.5
16531900	DN65×De25	108	107	63.5	79	24.8	52
16541900	DN65×De32	108.5	107	63.5	79	32.2	58
2019541900	DN80×De20	138	144	88.9	103.6	20.0	42.5
2019641900	DN80×De25	138	144	88.9	103.6	24.8	52
2019861900	DN80×De32	138	144	88.9	103.6	32.2	58
18911500	DN100×De20	158	138	100.2	107	20.0	42.5
18921500	DN100×De25	158	138	100.2	107	24.8	52
18931500	DN100×De32	158	138	100.2	107	32.2	58
2019941500	DN100×De42	158	138	100.2	107	42.0	71

FEMALE THREADED QUICK DROP



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)	D4(mm)
16301600	De25×RC1/2"	82.7	64	24.8	33.7	—
16311600	De25×RC3/4"	82.7	64	24.8	33.7	—
16401600	De32×RC1/2"	84.4	66	32.2	33.7	—
16411600	De32×RC3/4"	84.4	66	32.2	33.7	—
16501600	De42×RC1/2"	102.4	79	42	33.7	—
16511600	De42×RC3/4"	102.4	79	42	33.7	—
06A501600	DN50×RC1/2"	92	80	50.6	64	33.5
06A511600	DN50×RC3/4"	92	80	50.6	64	33.5
06A531600	DN50×RC1 1/4"	92	83	50.6	64	48
2019601600	DN65×RC1/2"	93	107	63.5	79	33.5
2019611600	DN65×RC3/4"	93	107	63.5	79	33.5
2019631600	DN65×RC1 1/4"	93	107	63.5	79	48
2019801600	DN80×RC1/2"	125	144	88.9	103.6	33.5
2019811600	DN80×RC3/4"	125	144	88.9	103.6	33.5
2019831600	DN80×RC1 1/4"	125	144	88.9	103.6	50.8
2006901600	DN100×RC1/2"	165.5	142.5	100.2	112	39
2006911600	DN100×RC3/4"	165.5	142.5	100.2	112	39
16C21600	DN125×RC1"	170	191	133	147.5	61
16C31600	DN125×RC1 1/4"	170	191	133	147.5	61
16C41600	DN125×RC1 1/2"	170	191	133	147.5	61
16C51600	DN125×RC2"	182.5	191	133	147.5	87
16A21600	DN150×RC1"	184.5	206	148.2	163	61
16A31600	DN150×RC1 1/4"	184.5	206	148.2	163	61
16A41600	DN150×RC1 1/2"	184.5	206	148.2	163	61
16A51600	DN150×RC2"	197	206	148.2	163	87
16B21600	DN200×RC1"	246.5	265.5	205	221.5	87
16B31600	DN200×RC1 1/4"	246.5	265.5	205	221.5	87
16B41600	DN200×RC1 1/2"	246.5	265.5	205	221.5	87
16B51600	DN200×RC2"	246.5	265.5	205	221.5	87

PIPE FITTING SERIES

SS CLAMP RING



HANDLE LEVER WAFER SS BUTTERFLY VALVE SPOOL



HANDLE LEVER WAFER SS BUTTERFLY VALVE SPOOL



TURBO WAFER SS BUTTERFLY VALVE SPOOL



TURBO WAFER SS BUTTERFLY VALVE SPOOL



Part Number	Standard
201944A600	De42
201955A600	DN50
201966A600	DN65

Part Number	Inlet	Outlet
F19551700	DN50	DN50
F19661700	DN65	DN65
F19881700	DN80	DN80

Note: Fluorine rubber handle wafer type

Part Number	Inlet	Outlet
2006551700	DN50	DN50
2006661700	DN65	DN65
2006881700	DN80	DN80

Note: EPDM handle wafer type

Part Number	Inlet	Outlet
F19991701	DN100	DN100
F19CC1701	DN125	DN125
F19AA1701	DN150	DN150
F19BB1701	DN200	DN200
F19DD1701	DN250	DN250
F19EE1701	DN300	DN300

Note: Fluorine rubber turbo wafer type

Part Number	Inlet	Outlet
2006991701	DN100	DN100
2006CC1701	DN125	DN125
2006AA1701	DN150	DN150
2015BB1701	DN200	DN200
2015DD1701	DN250	DN250
2015EE1701	DN300	DN300

Note: EPDM turbo wafer type

PIPE FITTING SERIES

ELECTRIC ACTUATED WAFER SS BUTTERFLY VALVE SPOOL



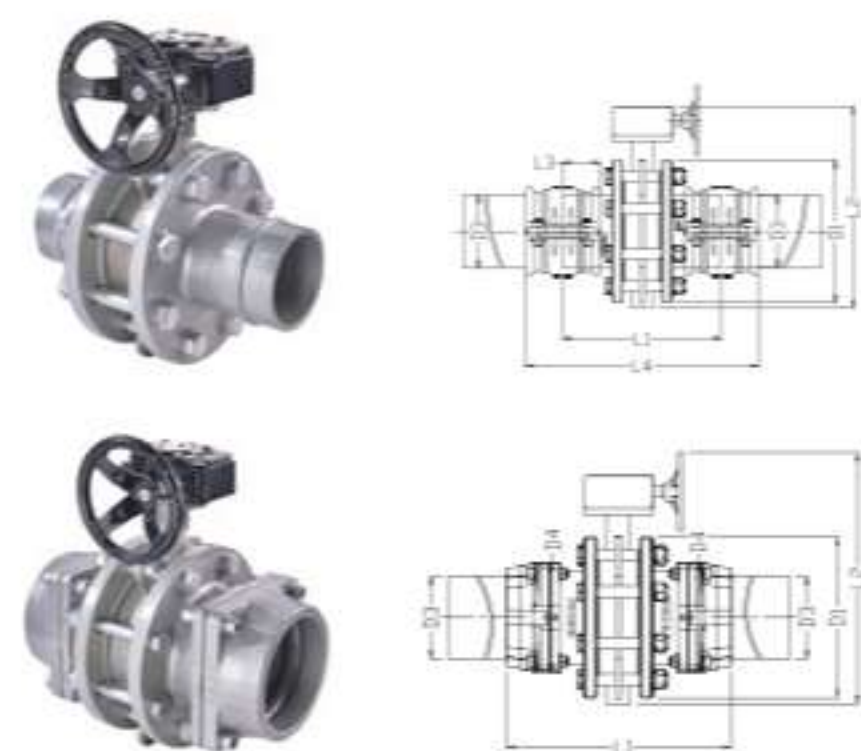
Part Number	Inlet	Outlet
176686BU	DN65	DN65
178886BU	DN80	DN80
179986BU	DN100	DN100
17CC86BU	DN125	DN125
17AA86BU	DN150	DN150
17BB86BU	DN200	DN200

PNEUMATIC ACTUATED WAFER SS BUTTERFLY VALVE SPOOL



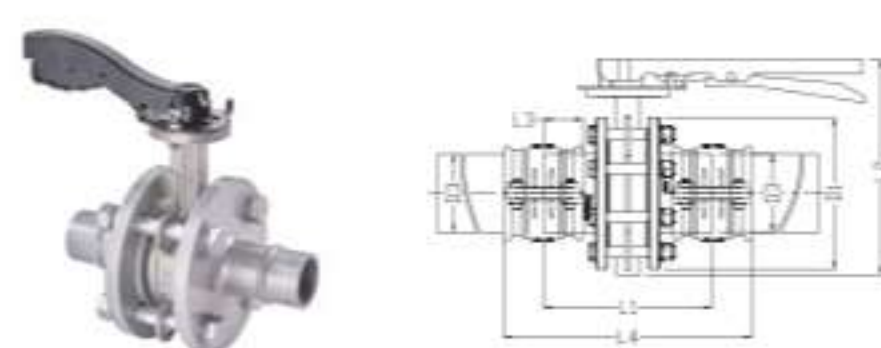
Part Number	Inlet	Outlet
176687BU	DN65	DN65
178887BU	DN80	DN80
179987BU	DN100	DN100
17CC87BU	DN125	DN125
17AA87BU	DN150	DN150
17BB87BU	DN200	DN200

PUT IN FIT SS TURBO BUTTERFLY VALVE



Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	L4(mm)	D1(mm)	D3(mm)	D4(mm)
2015991401	DN100	305	310	71	445	220	100.1	—
2015CC1401	DN125	365	350	—	—	245	133	176
2015AA1401	DN150	320	385	73	475	285	148	—
2015BB1401	DN200	295	425	73.5	465	340	205	—

PUT IN FIT HANDLE SS BUTTERFLY VALVE



Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	L4(mm)	D1(mm)	D3(mm)
2019551401	DN50	248	265	48.5	348	166	50.8
2019661401	DN65	248	285	50.5	352	185	63.5
2019881401	DN80	290	310	75	442	200	88.9

PIPE FITTING SERIES

HANDLE LEVER WAFER CS BUTTERFLY VALVE SPOOL



Part Number	Inlet	Outlet
2006551800	DN50	DN50
2006661800	DN65	DN65
2006881800	DN80	DN80

TURBO WAFER CS BUTTERFLY VALVE SPOOL



Part Number	Inlet	Outlet
2006991801	DN100	DN100
2006CC1801	DN125	DN125
2006AA1801	DN150	DN150
2015BB1801	DN200	DN200

ELECTRIC ACTUATED WAFER CS BUTTERFLY VALVE SPOOL



Part Number	Inlet	Outlet
17668600	DN65	DN65
17888600	DN80	DN80
17998600	DN100	DN100
17CC8600	DN125	DN125
17AA8600	DN150	DN150
17BB8600	DN200	DN200

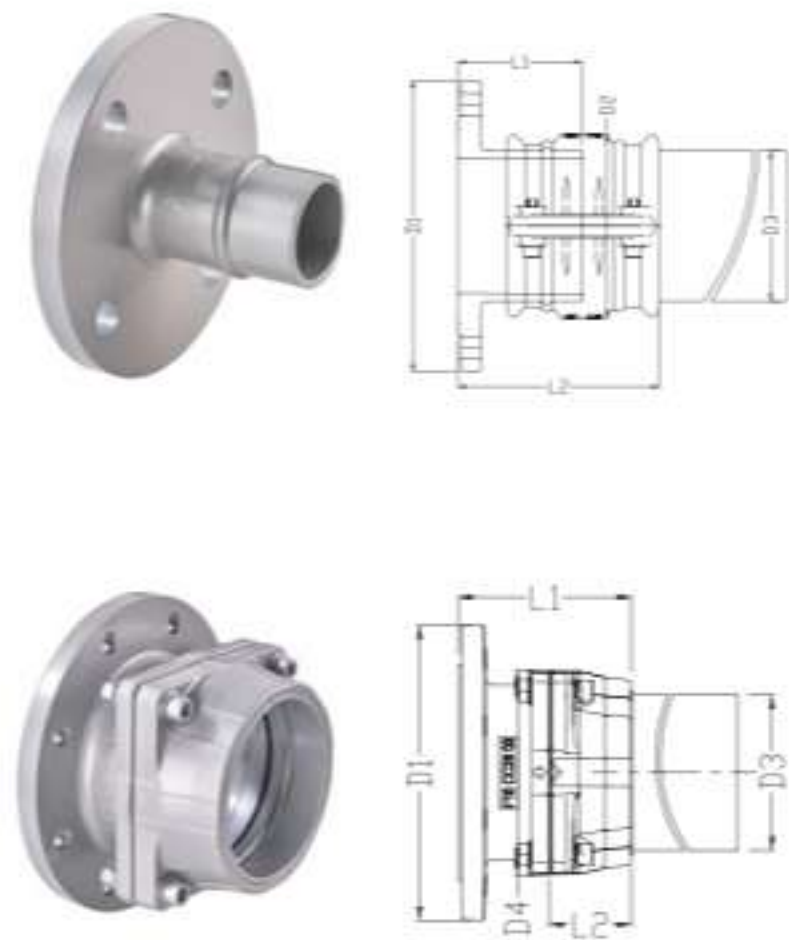
PNEUMATIC ACTUATED WAFER CS BUTTERFLY VALVE SPOOL



Part Number	Inlet	Outlet
17668700	DN65	DN65
17888700	DN80	DN80
17998700	DN100	DN100
17CC8700	DN125	DN125
17AA8700	DN150	DN150
17BB8700	DN200	DN200

PIPE FITTING SERIES

CIRCULAR ALUMINUM FLANGE



Part Number	Standard	L1(mm)	L2(mm)	D1(mm)	D2(mm)	D3(mm)	D4(mm)
2019552600	DN50	96.8	145.3	165	73	50.8	—
2019662600	DN65	96.8	147.3	185	87	63.5	—
2019882600	DN80	120	195	200	122	88.9	—
2015992600	DN100	120	195	220	134	100.2	—
F16CC2600	DN125	148	70	245	—	133	176
2015A92600	DN150× DN100	122	198	285	134	100.2	—
16AA2600	DN150	122	182	285	182	148.2	—
2015B82600	DN200	113	173	340	244	205	—

SS BLANK FLANGE



Part Number	Standard
2006552701	DN50
2006662701	DN65
2006882701	DN80
2006992701	DN100
2006CC2701	DN125
2006AA2701	DN150
2015B82701	DN200
2015DD2701	DN250
2015EE2701	DN300

PIPE FITTING SERIES

SS FEMALE THREADED FLANGE



Part Number	Inlet	Outlet
2006112801	DN20	3/4"
2006222801	DN25	1"
2006332801	DN32	1-1/4"
2006442801	DN40	1-1/2"
2006522801	DN50	1"
2006532801	DN50	1 1/4"
2006542801	DN50	1 1/2"
2006552801	DN50	2"
2006622801	DN63	1"
2006632801	DN63	1 1/4"
2006642801	DN63	1 1/2"
2006652801	DN63	2"
2006662801	DN63	2 1/2"
2006822801	DN80	1"
2006832801	DN80	1 1/4"
2006842801	DN80	1 1/2"
2006852801	DN80	2"
2006862801	DN80	2 1/2"
2006882801	DN80	3"
2006932801	DN100	1 1/4"
2006942801	DN100	1 1/2"
2006952801	DN100	2"
2006962801	DN100	2 1/2"
2006982801	DN100	3"
2006992801	DN100	4"
2006C52801	DN125	2"
2006C62801	DN125	2 1/2"
2006C82801	DN125	3"
2006C92801	DN125	4"
2006A42801	DN150	1 1/2"
2006A52801	DN150	2"
2006A62801	DN150	2 1/2"
2006A82801	DN150	3"
2006B62801	DN200	2 1/2"
2006B82801	DN200	3"
2006B92801	DN200	4"

PIPE FITTING SERIES

ACCESSORY SERIES

SS SHOCKPROOF FLANGE



Part Number	Inlet	Outlet	Part Description
2006552901	DN50	DN50	FLANGE SUS304*120mm
2006652901	DN65	DN50	FLANGE SUS304*120mm
2006662901	DN65	DN65	FLANGE SUS304*120mm
2006862901	DN80	DN65	FLANGE SUS304*180mm
2006882901	DN80	DN80	FLANGE SUS304*180mm
2006982901	DN100	DN80	FLANGE SUS304*180mm
2006992901	DN100	DN100	FLANGE SUS304*180mm
2006C92901	DN125	DN100	FLANGE SUS304*180mm
2006CC2901	DN125	DN125	FLANGE SUS304*180mm
2006A92901	DN150	DN100	FLANGE SUS304*250mm
2006AC2901	DN150	DN125	FLANGE SUS304*250mm
2006AA2901	DN150	DN150	FLANGE SUS304*250mm
2006BC2901	DN200	DN125	FLANGE SUS304*250mm
2006BA2901	DN200	DN150	FLANGE SUS304*250mm
2006BB2901	DN200	DN200	FLANGE SUS304*250mm
2006DA2901	DN250	DN150	FLANGE SUS304*320mm
2006DB2901	DN250	DN200	FLANGE SUS304*320mm
2006DD2901	DN250	DN250	FLANGE SUS304*320mm
2006EB2901	DN300	DN200	FLANGE SUS304*320mm
2006ED2901	DN300	DN250	FLANGE SUS304*320mm
2006EE2901	DN300	DN300	FLANGE SUS304*320mm

FLEXIBLE FLANGED EXPANSION COMPENSATE



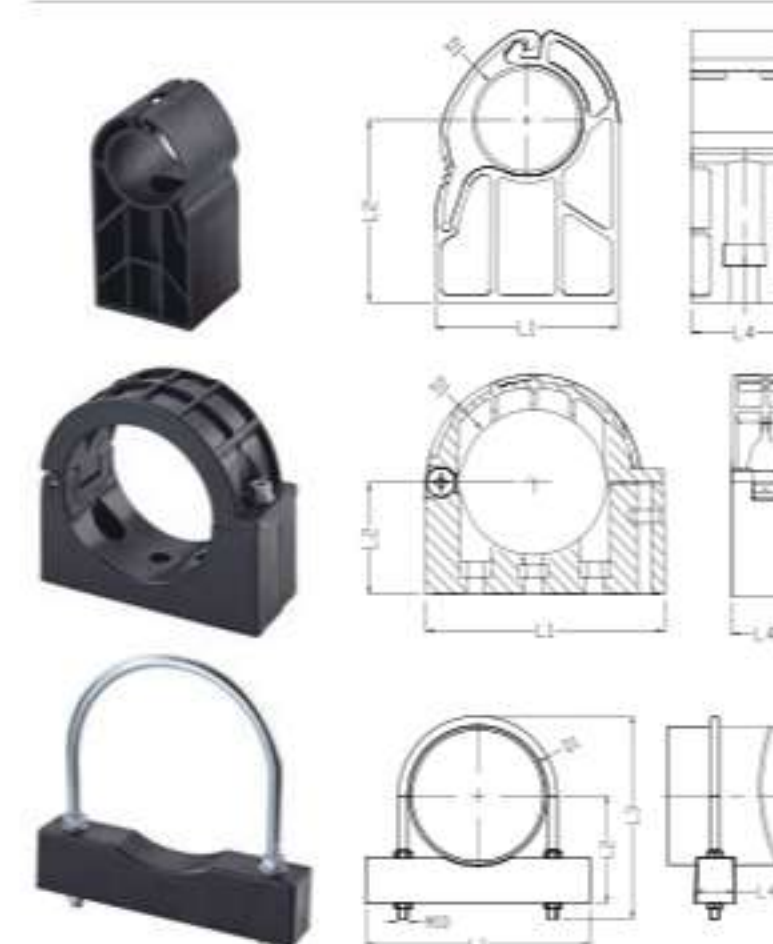
Part Number	Inlet	Length	Part Description
20175550BU	DN50	500mm	FLANGE SUS304, Compensation amount 100M 75mm*500mm
20176650BU	DN65	500mm	FLANGE SUS304, Compensation amount 100M 75mm*500mm
20178850BU	DN80	500mm	FLANGE SUS304, Compensation amount 100M 75mm*500mm
20179950BU	DN100	500mm	FLANGE SUS304, Compensation amount 100M 75mm*500mm
2017CC50BU	DN125	500mm	FLANGE SUS304, Compensation amount 100M 75mm*500mm
2017AA50BU	DN150	700mm	FLANGE SUS304, Compensation amount 100M 75mm*700mm
2017BB50BU	DN200	900mm	FLANGE SUS304, Compensation amount 100M 75mm*900mm
2017DD50BU	DN250	1400mm	FLANGE SUS304, Compensation amount 100M 75mm*1400mm
2017EE50BU	DN300	1400mm	FLANGE SUS304, Compensation amount 100M 75mm*1400mm

Y TEE



Part Number	Inlet	Outlet
2006000800	1/2"	1/4"*2
2006100800	3/4"	1/2"*2

PIPE CLIP



INTERNAL & EXTERNAL THREADED SS BALL VALVE



FEMALE THREADED SS BALL VALVE



PNEUMATIC MALE CONNECTOR



Part Number	Standard	L1(mm)	L2(mm)	L3(mm)	L4(mm)	D3(mm)
16222100	De20	31.5	34.5	—	40	20.1
16332100	De25	43	34.5	—	40	24.8
16442100	De32	46	69	—	40	32.2
16552100	De42	69.5	69	—	40	42
2006552100	DN50	74	69	—	40	50.6
2006662100	DN65	88.3	69	—	40	63.8
2019882100	DN80	147	69	—	42	88.9
2006992100	DN100	147	69	—	42	100.2
2019CC2100	DN125	195	115	210	40	133
2019AA2100	DN150	240	115	217	40	148.2
2019BB2100	DN200	275	115	247	40	205

Part Number	Inlet	Outlet
2006002400	1/2"	1/2"
2006112400	3/4"	3/4"

Part Number	Inlet	Outlet
20060024BU	1/2"	1/2"
20061124BU	3/4"	3/4"
20062224BU	1"	1"

Part Number	Inlet	Outlet
2006004308	1/2"	φ8
2006004310	1/2"	φ10
2006004312	1/2"	φ12
2006004314	1/2"	φ14
2006004316	1/2"	φ16
2006104308	3/4"	φ8
2006104310	3/4"	φ10
2006104312	3/4"	φ12
2006104314	3/4"	φ14
2006104316	3/4"	φ16
2006004317	3/8"	φ8

ACCESSORY SERIES

SS MALE THREADED ADAPTOR



SS BUSHING



Part Number	Inlet	Outlet
2006004602	1/4"	1/4"
2006004601	1/2"	1/4"
2006004600	1/2"	1/2"
2006104602	3/4"	1/4"
2006104601	3/4"	1/2"
2006114600	3/4"	3/4"
2006214600	1"	3/4"
2006224600	1"	1"
2006314600	1 1/4"	3/4"
2006324600	1 1/4"	1"
2006334600	1 1/4"	1 1/4"
2006424600	1 1/2"	1"
2006434600	1 1/2"	1 1/4"
2006444600	1 1/2"	1 1/2"
2006544600	2"	1 1/2"
2006554600	2"	2"
2006634600	2 1/2"	1 1/4"
2006644600	2 1/2"	1 1/2"
2006654600	2 1/2"	2"
2006664600	2 1/2"	2 1/2"
2006864600	3"	2 1/2"
2006884600	3"	3"
2006984600	4"	3"
2006994600	4"	4"

Part Number	Inlet	Outlet
2006005300	1/2"	1/4"
2006105300	3/4"	1/2"
2006205300	1"	1/2"
2006215300	1"	3/4"
2006305300	1 1/4"	1/2"
2006315300	1 1/4"	3/4"
2006325300	1 1/4"	1"
2006415300	1 1/2"	3/4"
2006425300	1 1/2"	1"
2006435300	1 1/2"	1 1/4"
2006525300	2"	1"
2006535300	2"	1 1/4"
2006545300	2"	1 1/2"
2006635300	2 1/2"	1 1/4"
2006645300	2 1/2"	1 1/2"
2006655300	2 1/2"	2"
2006835300	3"	1 1/4"
2006845300	3"	1 1/2"
2006855300	3"	2"
2006865300	3"	2 1/2"
2006955300	4"	2"
2006965300	4"	2 1/2"
2006985300	4"	3"

SS FEMALE ADAPTOR



SS REDUCER FLANGE



ACCESSORY SERIES

Part Number	Inlet	Outlet
2006005500	1/2"	1/4"
2006105500	3/4"	1/2"
2006115500	3/4"	3/4"
2006205500	1"	1/2"
2006215500	1"	3/4"
2006225500	1"	1"
2006325500	1 1/4"	1"
2006335500	1 1/4"	1 1/4"
2006435500	1 1/2"	1 1/4"
2006445500	1 1/2"	1 1/2"
2006535500	2"	1 1/4"
2006545500	2"	1 1/2"
2006555500	2"	2"
2006635500	2 1/2"	1 1/4"
2006645500	2 1/2"	1 1/2"
2006655500	2 1/2"	2"
2006665500	2 1/2"	2 1/2"
2006835500	3"	1 1/4"
2006845500	3"	1 1/2"
2006855500	3"	2"
2006865500	3"	2 1/2"
2006885500	3"	3"
2006945500	4"	1 1/2"
2006955500	4"	2"
2006965500	4"	2 1/2"
2006985500	4"	3"
2006995500	4"	4"

Part Number	Inlet	Outlet
2006BA5801	DN200	DN150
2006BC5801	DN200	DN125
2006B95801	DN200	DN100
2006AC5801	DN150	DN125
2006A95801	DN150	DN100
2006A85801	DN150	DN80
2006C95801	DN125	DN100
2006985801	DN100	DN80

ACCESSORY SERIES

FEMALE THREADED SS BALL VALVE



Part Number	Standard
20062278BU	DN25
20063378BU	DN32
20064478BU	DN40
20065578BU	DN50
20066678BU	DN65
20068878BU	DN80

EQUAL CROSS



Part Number	Standard
20062281BU	DN25
20063381BU	DN32
20064481BU	DN40
20065581BU	DN50
20066681BU	DN65
20068881BU	DN80
20069981BU	DN100

45° ELBOW



Part Number	Standard
20062204BU	DN25
20063304BU	DN32
20064404BU	DN40
20065504BU	DN50
20066604BU	DN65
20068804BU	DN80
20069904BU	DN100

ACCESSORY SERIES

AUTO DRAIN VALVE



Part Number	Inlet	Outlet	Part Description
2006007603	1/2"	3/8"	AD402-04 1/2" female threaded inlet 3/8" female threaded exit

MANIFOLD



Part Number	Inlet	Outlet	Part Description
2006308204	1"1/4"	1/2"×4	1"1/4" female threaded inlets, 1/2" female threaded exit, 1/2" female threaded exhausts
2006208204	1"	1/2"×4	1" female threaded inlets, 1/2" female threaded exit, 1/2" female threaded exhausts

FEMALE THREADED SWING CHECK VALVE



Part Number	Standard
17007300	DN15
17117300	DN20
17227300	DN25
17337300	DN32
17447300	DN40

Note: Brass

FLANGED SWING CHECK VALVE



Part Number	Standard
16557300	DN50
16667300	DN65
16887300	DN80
16997300	DN100
16CC7300	DN125
16AA7300	DN150
16BB7300	DN200

Note: Triangular Bracket

ACCESSORY SERIES

VORTEX FLOW METER



Part Number	Standard
WJ002508	DN40
WJ002504	DN50
WJ002507	DN65
WJ002506	DN80
WJ002505	DN100
WJ002503	DN125
WJ002500	DN150
WJ002501	DN200

MULTI-LINE MANIFOLD



Part Number	Inlet	Outlet
2006005603	1/2" male threaded	1/2" female threaded X4
2006005604	1/2" male threaded	1/2" female threaded X5
2006005605	1/2" male threaded	1/2" female threaded X6
2006005606	3/4" male threaded	1/2" female threaded X4
2006005607	3/4" male threaded	1/2" female threaded X5
2006005608	3/4" male threaded	1/2" female threaded X6

MALE THREADED PLUG



Part Number	Standard
150006BU	1/2"

CANTILEVER BRACKET



Part Number	Standard
2015008300	300
2015008301	500

CANTILEVER BRACKET



Part Number	Standard
2015018300	300*500*300

U CHANNEL FIXING BRACKET

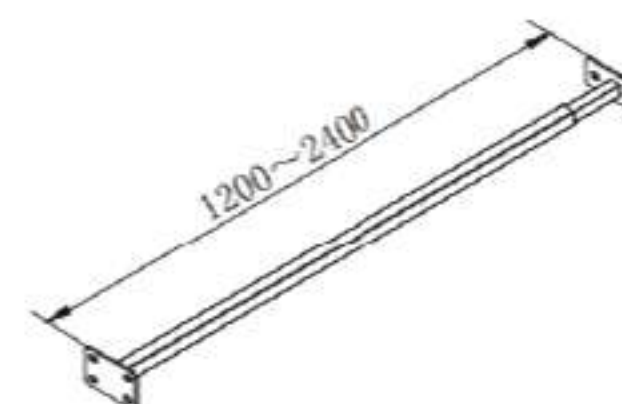


Part Number	Standard	Part Description
200600V200	M10*3mm	M10*3mm
200601V200	M10*6mm	M10*6mm

Note: Each U Channel Fixing Bracket needs to be equipped with 2pcs M10 rubber sleeve nuts, 2pcs M10 hex bolts, and 2pcs flat gaskets.

ACCESSORY SERIES

ADJUSTABLE BRACKET



Part Number	Standard
2015028300	1200-2400mm

U CHANNEL FIXING BRACKET



Part Number	Standard
200601V300	6000mm*2.0mm*M10
200602V300	6000mm*2.5mm*M10

U CHANNEL



Part Number	Standard
20153V300	210*2.5

UBBER SLEEVE NUT



Part Number	Standard	Part Description
200600V501	M8	Fasten the C-shaped slotted Steel and DN20-DN65 Pipe Clip
200600V502	M10	Fasten the C-shaped slotted Steel and DN80 Pipe Clip, the C-shaped slotted Steel and C channel post base

U CHANNEL END CAP



Part Number	Standard
200600V400	41*21

HEXAGON SOCKET BOLT



Part Number	Standard	Part Description
201900V801	M6*25	—
201900V803	M8*25	—
201900V804	M8*30	Fasten the U-Channel and DE20, DE25, DN32-DN65 Pipe Clip
201900V805	M8*80	—
201900V806	M10*25	—
201900V807	M10*30	Fasten the U-Channel and DN80, DE94, DN100 Pipe Clip
201900V808	M8*40	Fasten the U-Channel and DE32-DE70 Pipe Clip
201900V824	M8*35	—

ACCESSORY SERIES

FLANGE BOLT



Part Number	Standard
201900V601	M16*60mm
201900V602	M16*70mm
201900V603	M16*90mm
201900V604	M16*100mm
200655V605	M16*120mm
200655V606	M20*90mm
200655V607	M20*130mm
200655V608	M20*150mm
200655V611	M16*110mm
200655V612	M16*135mm
200655V613	M24*110mm
200655V616	M16*80mm
200655V617	M20*140mm
200655V618	M16*130mm
200655V619	M24*180mm
200655V620	M24*190mm

HEX NUT



Part Number	Standard	Part Description
201900V701	M8	Suitable for DN20-DN65 Pipe Clip
201900V702	M10	Suitable for DN80 Pipe Clip
201900V703	M16	Suitable for M16 Flange Bolt
201900V704	M20	Suitable for M20 Flange Bolt
201900V708	M24	Suitable for M24 Flange Bolt

HEX BOLTS



Part Number	Standard	Part Description
201900W001	M10*20	Fasten the U Channel Fixing Bracket and U-Channel

FLAT GASKET



Part Number	Standard	Part Description
201900V901	M8	Suitable for DN20-DN65 Pipe Clip
201900V906	M10	Suitable for DN80 Pipe Clip
201900V903	M16	Suitable for M16 Flange Bolt
201900V904	M20	Suitable for M20 Flange Bolt
201900V907	M24	Suitable for M24 Flange Bolt

SPRING WASHER



Part Number	Standard	Part Description
201900W101	M16	Suitable for M16 Flange Bolt
201900W102	M20	Suitable for M20 Flange Bolt
201900W108	M24	Suitable for M24 Flange Bolt

ACCESSORY SERIES

THREADED ROD CONNECTOR



Part Number	Standard	Length	Part Description
200600U300	M8	60	Threaded Rod Connector,M8
200601U300	M10	80	Threaded Rod Connector,M10

THREADED ROD



Part Number	Standard	Length	Part Description
200600W401	M8	3000	Threaded connecting rod, M8, 3 meters
200600W402	M10	3000	Threaded connecting rod, M10, 3 meters

CONCRETE ANCHOR BOLTS



Part Number	Standard	Length	Part Description
200600W201	M8	60	Fasten the U Channel Fixing Bracket cement, and the light Light wall brick
200600W202	M8	80	Fasten the U Channel Fixing Bracket with the light Light wall brick
200600W203	M12	80	Fasten the U Channel Fixing Bracket with the light Light wall brick

DYNABOLT SLEEVE ANCHOR



Part Number	Standard	Part Description
1800W303	M8	Threaded connecting rod, M8, 3 meters
1800W305	M10	Threaded connecting rod, M10, 3 meters

DROP-IN SLEEVE ANCHORS



Part Number	Standard	Length	Part Description
200600W301	M8	25	Fasten the pipe clip when installed into the wall
200600W303	M8	30	Fasten the DN20-DN65 pipe clip when installed into the wall
200600W305	M12	40	Fasten the DN80 pipe clip when installed into the wall

GIRDER CLAMP



Part Number	Standard	Part Description
200600W501	M8	Girder Clamp
200600W502	M10	Girder Clamp
200600W503	M11	Girder Clamp

ACCESSORY SERIES

STEEL WIRE ROPE



Part Number	Standard
200602W800	Φ12*1000mm
200600W800	Φ10*1000mm
200601W800	Φ8*1000mm

STEEL WIRE ROPE CLAMP



Part Number	Standard
200602W900	Φ15
200600W900	Φ10
200601W900	Φ8

STEEL WIRE ROPE PULLER



Part Number	Standard
200600U400	Φ10
200601U400	Φ12

STEEL WIRE ROPE LOOP



Part Number	Standard
200600U500	Φ10
200601U500	Φ12

PLASTIC EXPANDABLE SCREW



Part Number	Standard	Pipe length	Part Description
200600X001	M6	28	Plastic Expandable Screw,suit for M6 self-tapping screw
200600X002	M8	28	Plastic Expandable Screw,suit for M8 self-tapping screw

ACCESSORY SERIES

SELF-DRILLING SCREW



Part Number	Standard
200600X103	ST5.5*35
200600X105	ST5.5*45
200600X106	ST5.5*70
200600X102	ST5.5*80

HEXAGON SELF-TAPPING SCREW



Part Number	Standard
1600X101	M6X50
1600X102	M8X50

NITRILE FLANGE GASKET



Part Number	Standard	Part Description
200611W602	DN20	3-5mm Nitrile rubber
200622W602	DN25	3-5mm Nitrile rubber
200633W602	DN32	3-5mm Nitrile rubber
200644W602	DN40	3-5mm Nitrile rubber
200655W602	DN50	3-5mm Nitrile rubber
200666W602	DN65	3-5mm Nitrile rubber
200688W602	DN80	3-5mm Nitrile rubber
200699W602	DN100	3-5mm Nitrile rubber
2006CCW602	DN125	3-5mm Nitrile rubber
2006AAW602	DN150	3-5mm Nitrile rubber
2015BBW602	DN200	3-5mm Nitrile rubber
2015DDW602	DN250	3-5mm Nitrile rubber
2015EEW602	DN300	3-5mm Nitrile rubber

METAL FLANGE GASKET



Part Number	Standard
200655W601	DN50
200666W601	DN65
200688W601	DN80
200699W601	DN100
2006CCW601	DN125
2006AAW601	DN150
2015BBW601	DN200

ACCESSORY SERIES

Air Hose Quick Coupler(Female)



Part Number	Standard	Part Description
18006301	One way-1/2"	Put in fit, self-locked, male threaded
18006401	Two way-1/4"	Put in fit, self-locked, female threaded
18006501	Three way-1/4"	Put in fit, self-locked, female threaded
18006302	One way-1/2"	Put in fit, self-locked, male threaded
18006402	Two way-1/4"	Put in fit, self-locked, female threaded
18006502	Three way-1/4"	Put in fit, self-locked, female threaded

Pneumatic Coupler



Part Number	Standard	Part Description
19006301	One way-1/2"	Put in fit, self-locked, male threaded
19006302	Two way-1/2"	Put in fit, self-locked, male threaded
19006303	Three way-1/2"	Put in fit, self-locked, male threaded
19006401	One way-3/4"	Put in fit, self-locked, male threaded
19006402	Two way-3/4"	Put in fit, self-locked, male threaded
19006403	Three way-3/4"	Put in fit, self-locked, male threaded

Air Hose Quick Coupler(Male)



Part Number	Standard
2006006600	Φ6
2006006700	Φ8
2006006800	Φ10
2006006900	Φ12

Pressure Gauge



Part Number	Standard	Inlet	Part Description
200600Q100	Y-100 Vertical connected	1/2" Male threaded	0-1.6mpa(Vertical connected), Dial 100mm,1/2"(OD)
200600Q103	Y-100 Back connected	1/2" Male threaded	0-1.6mpa(Back connected), Dial 100mm,1/2"(OD)
200601Q101	Y-60 Vertical connected	1/2" Male threaded	0-1.6mpa(Vertical connected), Dial 60mm,1/2"(OD)
200601Q102	Y-60 Back connected	1/2" Male threaded	0-1.6mpa(Back connected), Dial 60mm,1/2"(OD)

ACCESSORY SERIES

Stainless Steel Welding Rod



Part Number	Standard
200600U201	ø2.5*2KG
200600U202	ø3.2*2KG
1600U201	ø2.5*1KG
1600U202	ø3.2*1KG

Carbon Steel Welding Rod



Part Number	Standard
200600U203	ø2.5*5KG
200600U204	ø3.2*5KG

Galvanized Angle Iron



Part Number	Standard
200600U160	40mm*40mm*6m
200650U160	50mm*50mm*6m

Pressure Gauge Buffer Tube



Part Number	Standard
2006004G00	Inlet 1/2"*Outlet 1/2"

Note: Stainless Steel Male & Female Threaded 1/2"

Vacuum Pressure Gauge



Part Number	Standard	Inlet	Part Description
200601Q105	Y-60ZT Vertical connected	1/2" Male threaded	-0.1~0MPa(Back connected), Dial 60mm,1/2"(OD)
200601Q106	Y-100ZT Back connected	1/2" Male threaded	-0.1~0MPa(Back connected), Dial 100mm,1/2"(OD)

ACCESSORY SERIES

Lubricant



Part Number

200600X900

Standard

250ml

PTFE Tape



Part Number

200600X800

Standard

—

Fast-curing Anaerobic Adhesive



Part Number

WJ003502

Standard

50ml

Note: 304 anaerobic glue

Paint Thinner



Part Number

200600U601

Standard

300ML

Anti-rust Paint



Part Number

200600U600

Standard

2.5kg

Paint Brush



Part Number

200600M101

Standard

3 Inches

200600M102

4 Inches

TOOLS SERIES

Demo Case



Part Number

1600Y003

Standard

—

Manual Pipe Cutter



Part Number

200600Y101

Standard

6-35mm

Part Description

NO.35S suitable for pipe DN20-DN25

200600Y102

6-65mm

NO.35S suitable for pipe DN20-DN65

200600Y103

48-116mm

NO.35S suitable for pipe DN50-DN100

200600Y104

100-168mm

NO.35S suitable for pipe DN20-DN200

Electric Pipe Cutter



Part Number

1600Y111

Standard

suitable for pipe OD 6-220mm

Hole Deburrer



Part Number

200600Y401

Standard

3mm

Part Description

STILY-BIG

200600Y402

5.6mm

STILY-SMALL

File Tool



Part Number

200600M201

Standard

6 Inches

200600M202

8 Inches

200600M203

10 Inches

Pipe Deburrer



Part Number

200600Y201

Standard

6-36mm

Part Description

suitable for pipe DN20-DN32

200600Y201

12-54mm

suitable for pipe DN20-DN50

TOOLS SERIES

Drilling Tool



Part Number	Standard
200600Y601	16mm
200600Y602	19mm
200600Y603	25mm
200600Y604	32mm
200600Y605	40mm
200600Y606	30mm
200600Y607	24mm
200600Y608	48mm
200600Y609	60mm

Pipe Cutter Replacement Wheel



Part Number	Standard	Part Description
200600Y501	3mm	NO:29968*2pcs, E-635,suit for 35S&65S.
200600Y502	5.6mm	NO:33170*1pc, E-2558,suit for 154&156.

Hand Grinder Cutting-off Wheel



Part Number	Standard
200600K401	—

Hand Grinder Grinding Wheel



Part Number	Standard
200600K400	—

Adjustable Wrenches



Part Number	Standard	Part Description
201500M301	35-50mm	suitable for pipe DN20-DN25
201500M302	50-80mm	suitable for pipe DN32-DN50
201500M303	80-120mm	suitable for pipe DN65-DN80

Handle type Allen wrench



Part Number	Standard
GG00090	M5X200
200600M500	M6X200
200600M501	M8X200
200600M505	M10X200

TOOLS SERIES

Manual Aluminum Pipe Grooving Machine



Recessed Wheel For Electronical grooving Machine



Cam Wheel For Electronical Grooving Machine



Electronical Aluminum Pipe Grooving Machine



Part Number	Standard	Part Description
201500Z602	—	With supporter

Part Number	Standard	Part Description
201500K203	Width 7.6mm	Suit for Pipe DN 50-DN65
201500K204	Width 9.0mm	Suit for Pipe DN80-DN200, original spare part

Part Number	Standard	Part Description
201500K104	50-200	Suit for Pipe DN50-200, original spare part

Part Number	Standard	Part Description
201500Z601	TWG-ST	With supporter

Important Guidelines For Installation

General Guidelines

The supplied FSTpipe aluminum alloy pipes can be directly connected on site without special construction preparation.

Before installing the FSTpipe compressed air distribution system, the installer should ensure that the installation area complies with any rules for the application area.

When the FSTpipe system is to be repaired and modified, the relevant parts need to be relieved and drained before the work starts.

Installers can only use FSTpipe components and accessories, especially FSTpipe clamps and fixings. The technical characteristics of FSTpipe components, as described in the catalog, must be observed.

De20, De25, De32, De42, DN50, DN65, DN80, DN100, DN125, DN150, DN200, these 11 kinds of specifications are all FSTpipe aluminum alloy pipes.

Expansion/Contraction

The thermal expansion and contraction of the system will automatically cater to the correct installation. The system designer and installer should calculate the elongation and contraction of each FST pipeline according to the recommendations of the installation guide.

FSTpipe hose can eliminate any form of expansion and contraction.

System Testing

After the FSTpipe system is installed, before operation, the installer should complete the required tests and inspections as specified in the contract and in accordance with reasonable engineering specifications and local regulations.

Component Installation

Installation instructions for correct use to each of the FSTpipe components have been provided - simply follow the method and construction defects in the file.

Situations should be avoided in FSTpipe Installation

Similarly, it is forbidden to use FSTpipe pipelines to support other projects. FSTpipe pipelines cannot be connected by welding.
Note: In some special occasions, FSTpipe aluminum pipes may need to be bent.

Never installed in an entity (concrete, foam, etc.), especially underground.

Never Exposure to chemicals that are incompatible with FSTpipe components.

Do not hang any external equipment on the FSTpipe pipeline.



Important Guidelines For Installation



Reasonable Engineering Specifications for Optimizing The Air Piping System

When installing a FSTpipe system, all work must be carried out in accordance with a good engineering specification.

Turning represents the generation of pressure drop;

In order to avoid excessive pressure loss, use hoses or other accessories to offset the pipeline to bypass obstacles and reduce energy loss;

Continuously maintain a good and high air quality level through adequate filtration at the compressor outlet;

The size of the inner diameter will affect the pressure drop and the operation of the point-of-use equipment. Choose the pipe diameter according to the required flow rate and the acceptable pressure drop at the point of use; It is not advisable to surround the piping system for maintenance and service.

Pipeline Characteristics

Due to the rigidity of the FSTpipe aluminum alloy pipe, temperature-related expansion and contraction are reduced to a minimum. As time goes by, FSTpipe pipeline can still maintain its straightness and smooth inner wall performance (reduce the pressure drop due to surface friction).

The FSTpipe aluminum alloy pipe is calibrated and works well with all FSTpipe components. Optimizing each connection can automatically ensure sealing. The use of FSTpipe aluminum alloy pipe reduces the corrosion of the inner surface (the pipe can protect itself due to the formation of alumina on the inner wall of the pipe). The outer surface of the FSTpipe aluminum alloy pipe has a protective paint coating to prevent external corrosion. Its color allows the pipeline to be recognized immediately and has a clean and beautiful overall appearance.

FSTpipe aluminum alloy pipe is specially designed to erect compressed air, vacuum, nitrogen and inert gas (argon, etc.) and other media pipelines, which can be used in the primary circuit system and secondary circuit system of the pipeline.

Installation Instructions

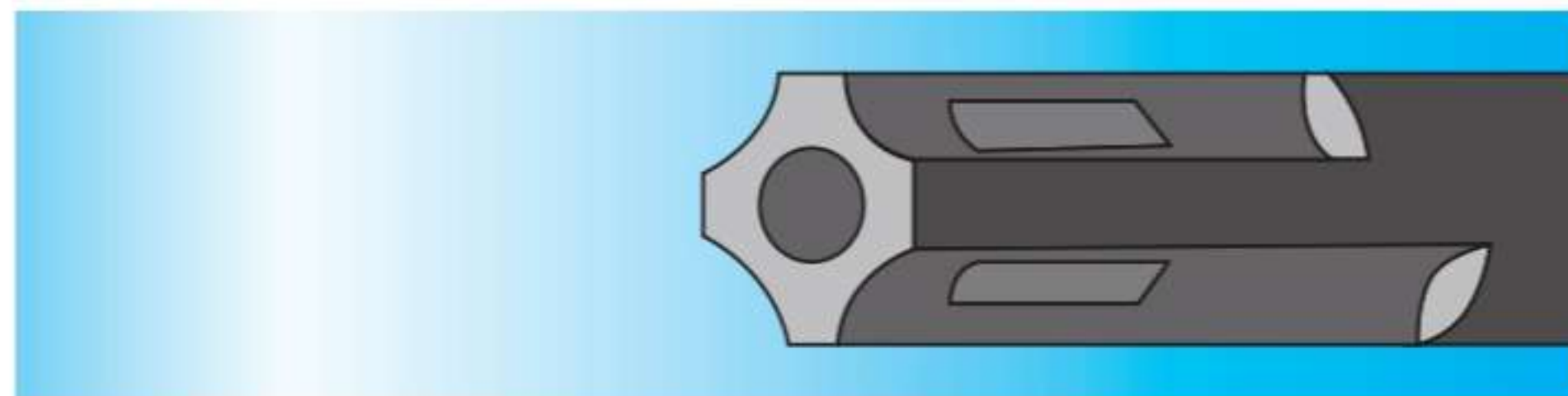
Identify

The pipes of different applications can be identified by directly attaching labels to the pipes.



Connection Recognition

Various specifications of aluminum pipes need a special marker to mark the insertion depth of the pipeline before installation, and be aligned with it when inserting.



FSTpipe Application Situations

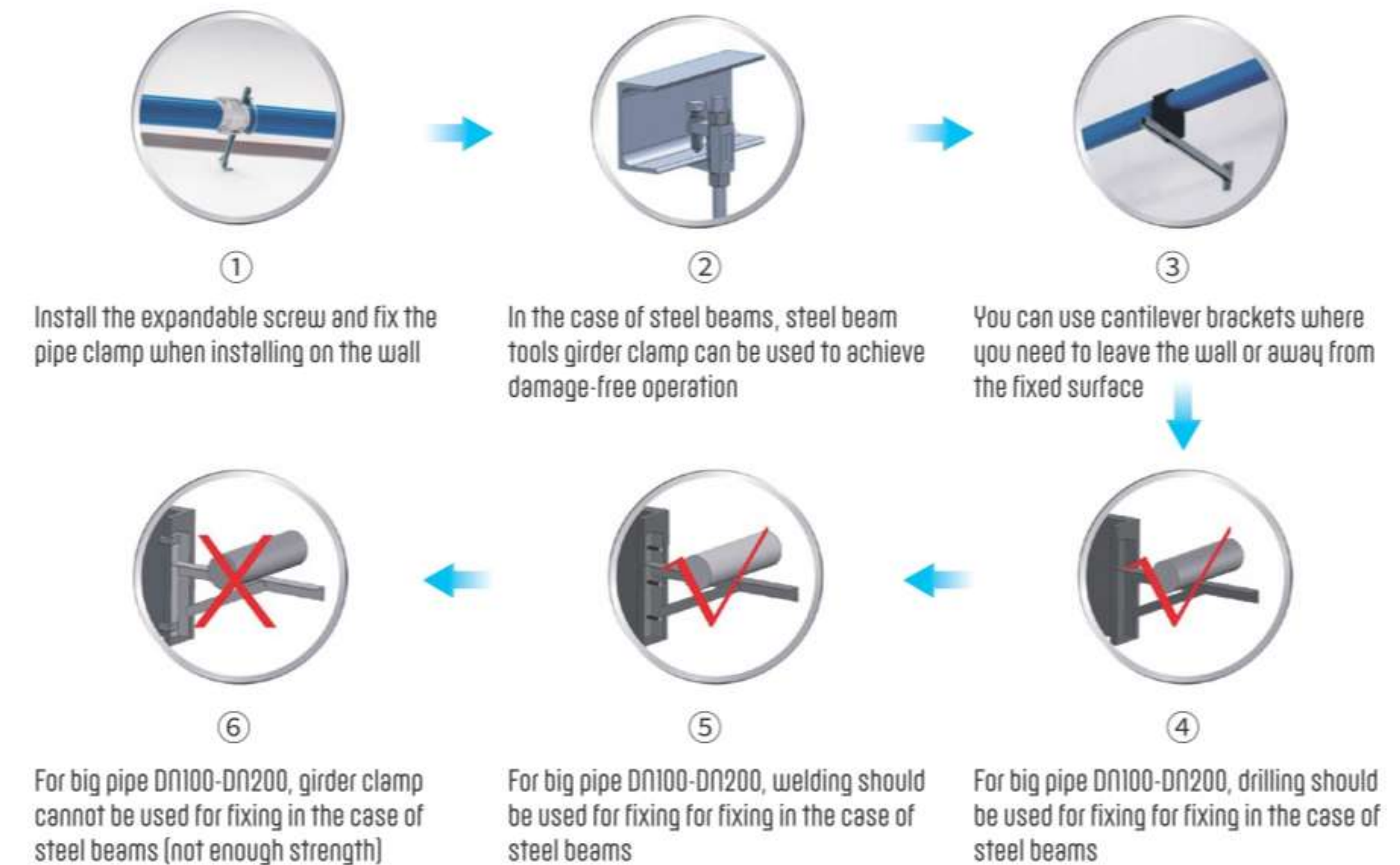


Forbidden performance when installing FSTpipe pipeline



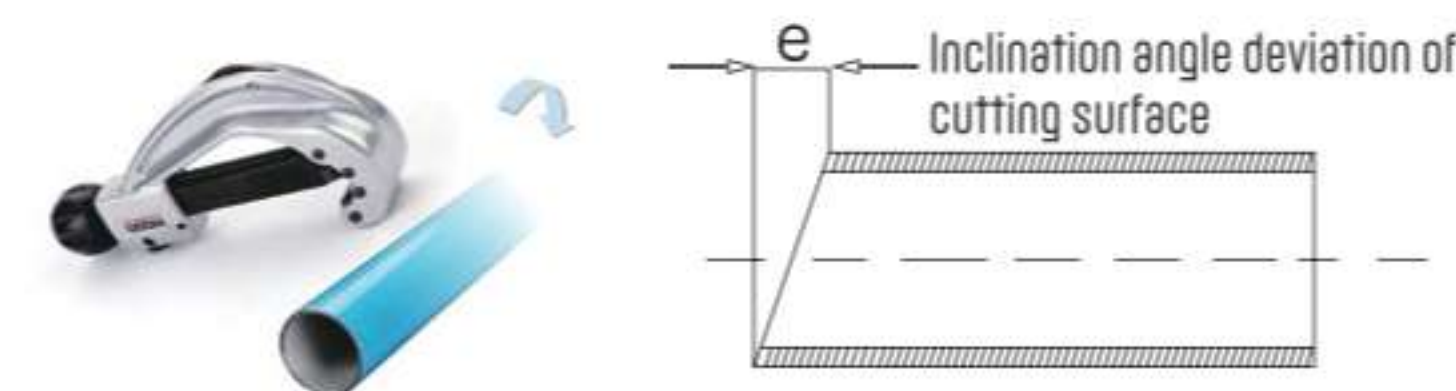
Installation Instructions

Fixing And Supporting for the Piping System



Pipe Cutting

- Use the corresponding pipe cutter, and tighten the cutter while turning in the direction as shown in the figure.
- For pipe De20-De32, choose 200600V101 pipe cutter
- For pipe De20-DN65, choose 200600V102 pipe cutter
- For pipe DN50-DN100, choose 200600V103 pipe cutter
- For pipe DN100-DN150, choose 200600V104 pipe cutter
- For pipe DN65-DN200, choose electric pipe cutting machine (after cutting the pipe, the aluminum chips in the pipe need to be removed)



Nominal Diameter DN	Allowable deviation of inclination angle of cutting end surface e
20~80	1.0
100~150	1.4
200	2.5

Pipe must be chamfered and deburred.



For pipe De20-DN50, choose pipe deburrer and hole deburrer



For pipe DN65-DN200, choose hole deburrer to remove the burr inside the pipe and the file tool to remove the burr outside the pipe