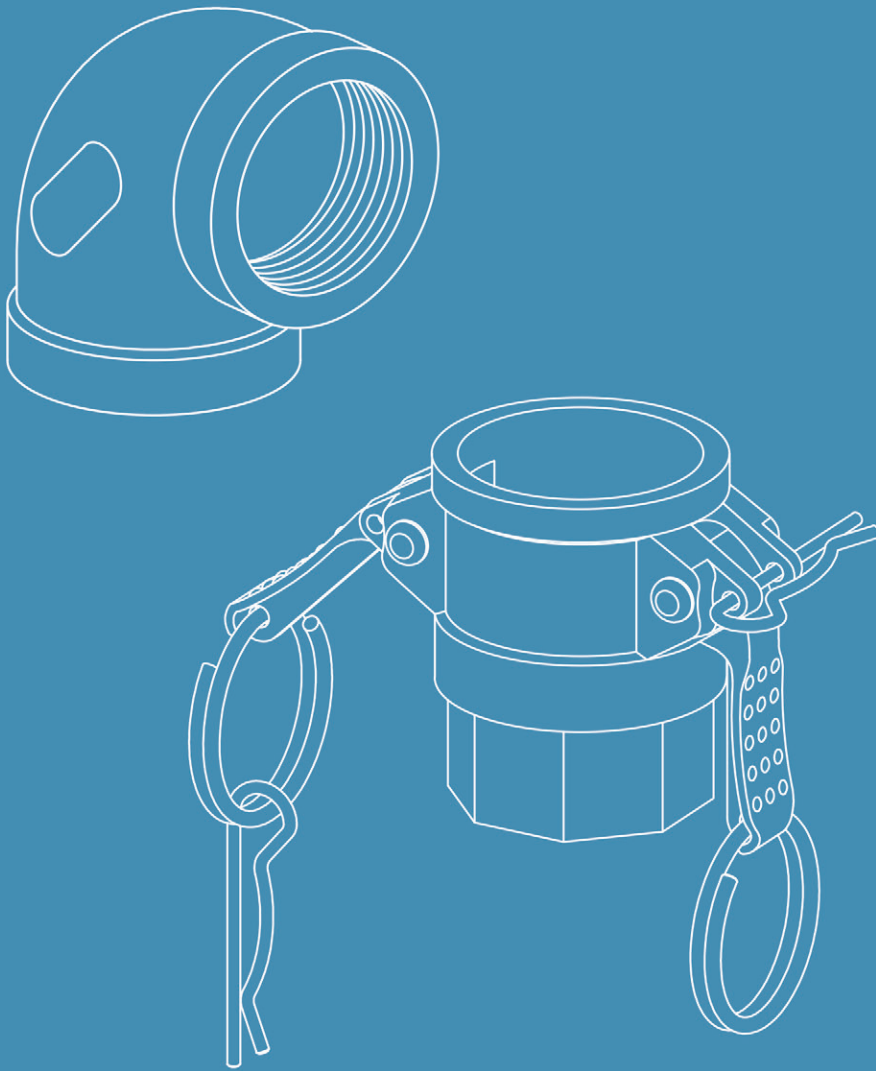


LEADEK

Leadtek Fluid



Stainless Steel Industrial Fittings

KEEP PIPELINES RUNNING SAFELY AND EFFICIENTLY



LEADTEK

Leadtek Fluid

Zhejiang Leadtek Fluid Technology Co., Ltd established in 2015, is a production-oriented enterprise integrating design and development, precision casting, CNC machining, assembly, sales and service. Our main products are four categories: stainless steel industrial fittings, industrial valves, sanitary fittings, sanitary valves which are widely used in petroleum, chemical, fire protection, medicine, food, semiconductor and other fields. Our products are exported to Korea, the United States, Brazil, Russia, Turkey, the United Kingdom, Australia, Taiwan province of China and other countries and regions with the excellent reputation.

Our factory is located in Changshan industrial park, Quzhou City, Zhejiang Province, with an area of 33,000 square meters and more than 300 employees. We have got the ISO9001, ISO45001, CE, ROHS, TS and KC certificates, equipped with advanced production equipment, finishing equipment, testing equipment, has a professional design, manufacturing, testing team. By the end of 2022, we have obtained 30 national patent certificates, 4 domestic trademarks and 1 overseas trademark.

“

KEEP PIPELINES
RUNNING SAFELY
AND EFFICIENTLY

”

CONTENTS

Brand History
Corporate Values
Production Process
Quality Certificate
Products Introduction

01-05

Casting Threaded Fittings

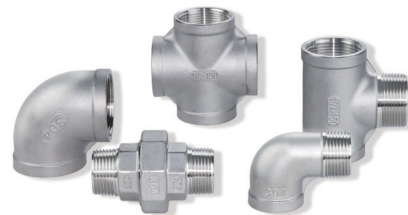
Casting Threaded Fitting
MFR STD
31-0A

P06-35



Casting Threaded Fitting
ISO 4144
31-0B

P36-43



Forging Threaded Fittings

Forging Threaded Fitting
MFR STD
31-1A

P44-47



Tube Threaded Fittings

Tube Threaded Fittings
MFR STD

P48-50

31-2A



Tube Threaded Fittings DIN

P51-52

31-2B



Tube Threaded Fittings US

P53-54

31-2C



Tube Threaded Fittings JIS

P55-57

31-2D



Camlock Quick Couplings

Camlock Quick Coupling

P58-64

31-3A



Product Introduction

1. Product Instruction

1.1 Casting Thread Pipe Fitting Series

Our casting thread pipe fittings are produced by medium temperature wax dewaxing casting process. Here are three standards including LEADTEK standard(MFRSTD), ISO4144 standard and SP-114 Standard.

1.2 Forging Thread Pipe Fitting Series

Our forging thread pipe fittings are produced by fully automatic forging process and it is designed by LEADTEK standard (MFRSTD).

1.3 Tube Thread Pipe Fitting Series

Our tube pipe fittings are produced by stainless steel welding pipe or seamless stainless steel pipe. We can supply LEADTEK standard, DIN, ASME, JIS standards series for selection. We also can customized it based on customer's design.

1.4 Quick Connected Camlocks Series

Our camlocks are produced by medium temperature wax dewaxing casting process, we developed it based on EN14420-7 standard.

2. Applicable Fluid Media

This series of products are used for Ordinary piping for steam, air, water, gas (Except for Flammable, explosive, and toxic gas).

3. Applicable temperature and working pressure

3.1 Thread Pipe Fittings Series : Pressure-temperature ratings.

Temperature°C	-20—40°C	100	150	200	220
Pressure (Mpa)	2.0	1.65	1.5	1.4	1.35

3.2 Quick Connected Camlocks Series Applicable Pressure:

Size	1/2"	3/4"-2"	2 1/2"	3"	4"-5"	6"
Pressure(Mpa)	1	1.8	1.6	1.4	0.7	1.4
Pressure(Psi)	150	250	225	200	100	200

4. Pipe Fittings Material Standard

4.1 Casting Stainless steel Material Standard

Grade	Standard
CF8	ASTMA351/A351M
CF8M	
ZG07Cr19Ni10	GB/T 2100
ZG07Cr19Ni11Mo2	
1.4308	EN 10213
1.4408	
SCS13A	JIS G5121
SCS14A	

4.2 Stainless Steel Pipe Material Standard

Grade	Standard
TP304	ASTM A312/A312M
TP316	
06Cr19Ni10	GB/T 14976
06Cr17Ni12Mo2	
1.4301	EN 10217-7
1.4401	
SUS304TP	JIS G3459
SUS316TP	

5. Attention/Precaution for installation of stainless steel pipe fittings

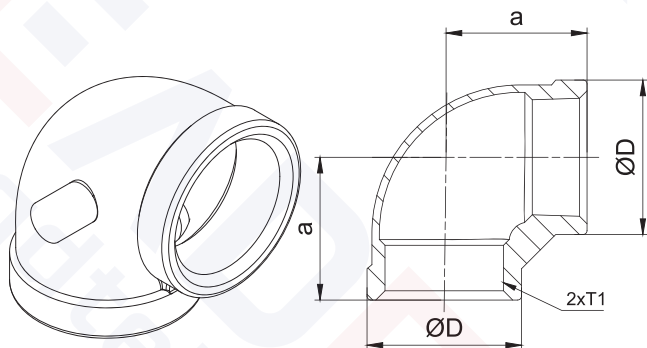
5.1 Please confirm whether the material, threads, and pressure of the product meet the standards, whether they are in line with the installation environment or regulations before installation, in order to prevent incorrect use.

5.2 Before installation, please check if the product and pipeline are clean to prevent foreign objects from falling into the pipeline or adhering to the threads, which may affect the installation

5.3 If you use sealant for sealing when installing. Please do not let the sealant enter the stainless steel pipe fittings.

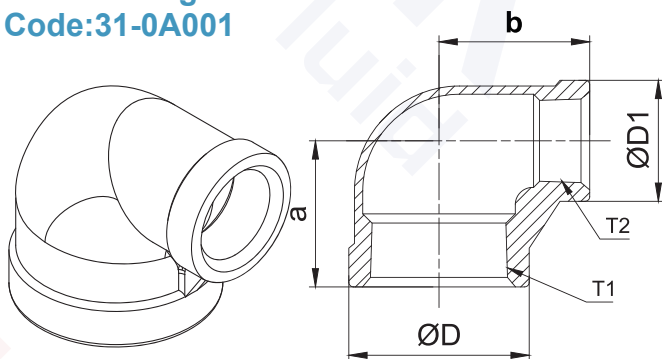
5.4 Please choose the correct wrench during installation to prevent deformation or damage to the pipe fittings.

Casting Threaded Fitting MFR STD 31-0A

90° Elbow F-F
Code:31-0A000

Size T1	DN	ØD	a
1/8"	6	14.5	17
1/4"	8	18	19
3/8"	10	21	23
1/2"	15	26.5	27
3/4"	20	32	32
1"	25	39.5	37
1 1/4"	32	48.5	43
1 1/2"	40	55	48
2"	50	67	56
2 1/2"	65	84	69
3"	80	98	78
4"	100	124.5	94

Tolerance : 1/8"~2" a-0.6mm 、2 1/2"~4" a-1.2mm

90° Reducing Elbow F-F
Code:31-0A001

Size T1xT2	DN	Φ D	ØD1	a	b
1/4"x1/8"	8x6	18	14.5	18	18
3/8"x1/8"	10x6	21	14.5	19	20
3/8"x1/4"	10x8	21	18	20	22
1/2"x1/8"	15x6	26.5	14.5	23	22
1/2"x1/4"	15x8	26.5	18	24	24
1/2"x3/8"	15x10	26.5	21	26	25
3/4"x1/4"	20x8	32	18	26	27
3/4"x3/8"	20x10	32	21	28	28
3/4"x1/2"	20x15	32	26.5	29	30
1"x1/4"	25x8	39.5	18	29	30
1"x3/8"	25x10	39.5	21	31	31
1"x1/2"	25x15	39.5	26.5	32	33
1"x3/4"	25x20	39.5	32	34	35
1 1/4"x3/8"	32x10	48.5	21	34	39
1 1/4"x1/2"	32x15	48.5	26.5	34	39
1 1/4"x3/4"	32x20	48.5	32	37	40
1 1/4"x1"	32x25	48.5	39.5	40	42
1 1/2"x3/8"	40x10	55	21	35	42
1 1/2"x1/2"	40x15	55	26.5	35	42
1 1/2"x3/4"	40x20	55	32	38	43
1 1/2"x1"	40x25	55	39.5	41	45
1 1/2"x1 1/4"	40x32	55	48.5	45	48

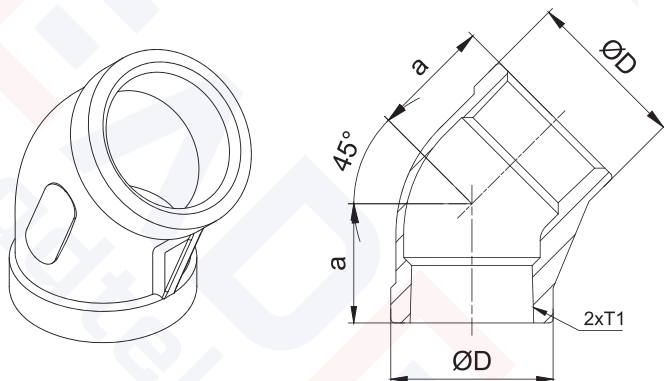
Tolerance : 1/8"~2" a b-0.6mm 、2 1/2"~4" a b-1.2mm

Size T1xT2	DN	Φ D	Φ D1	a	b
2"x1/2"	50x15	67	26.5	36	48
2"x3/4"	50x20	67	32	40	49
2"x1"	50x25	67	39.5	43	51
2"x1 1/4"	50x32	67	48.5	47	53
2"x1 1/2"	50x40	67	55	51	54
2 1/2"x1/2"	65x15	84	26.5	47	60
2 1/2"x3/4"	65x20	84	32	47	60
2 1/2"x1"	65x25	84	39.5	47	60
2 1/2"x1 1/4"	65x32	84	48.5	52	61
2 1/2"x1 1/2"	65x40	84	55	55	62
2 1/2"x2"	65x50	84	67	60	65
3"x1"	80x25	98	39.5	54	68
3"x1 1/4"	80x32	98	48.5	54	68
3"x1 1/2"	80x40	98	55	57	69
3"x2"	80x50	98	67	62	72
3"x2 1/2"	80x65	98	84	72	75
4"x1 1/4"	100x32	124.5	48.5	60	83
4"x1 1/2"	100x40	124.5	55	63	84
4"x2"	100x50	124.5	67	68	87
4"x2 1/2"	100x65	124.5	84	78	90
4"x3"	100x80	125	98	83	91

Tolerance : 1/8"~2" a b-0.6mm 、2 1/2"~4" a b-1.2mm

Casting Threaded Fitting MFR STD 31-0A

45° Elbow F-F Code:31-0A002



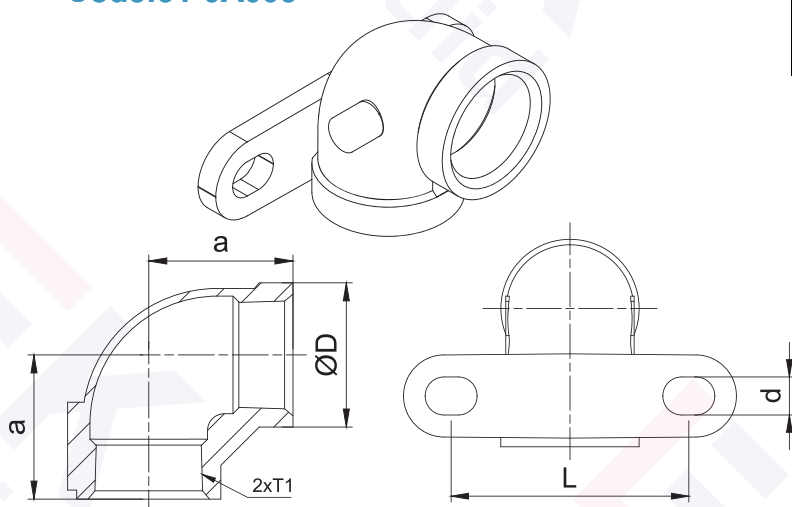
Size T1	DN	ØD	a
1/8"	6	14.5	16
1/4"	8	18	17
3/8"	10	21	19
1/2"	15	26.5	21
3/4"	20	32	25
1"	25	39.5	29
1 1/4"	32	48.5	33
1 1/2"	40	55	37
2"	50	67	42
2 1/2"	65	84	49
3"	80	98	54
4"	100	124.5	64

Tolerance : 1/8"~2" a-0.6mm 、2 1/2"~4" a-1.2mm

90° Elbow Stationary Type F-F Code:31-0A003

Size T1	DN	ØD	a	d	L
1/2"	15	26.5	27	8.8	52
3/4"	20	32	32	8.8	55

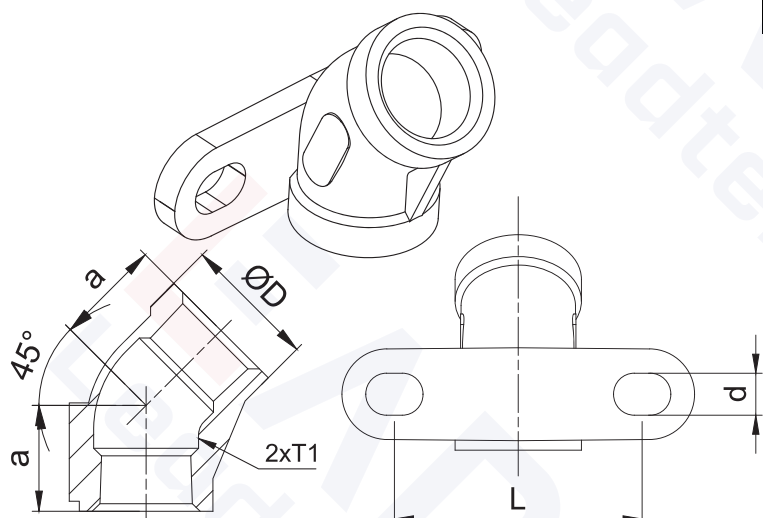
Tolerance : 1/2"~3/4" a-0.6mm



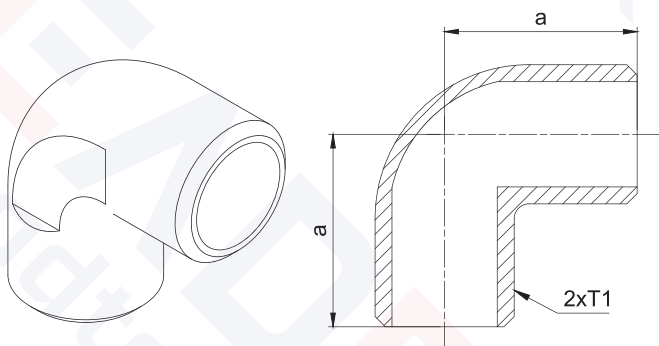
45° Elbow Stationary Type F-F Code:31-0A004

Size T1	DN	ØD	a	d	L
1/2"	15	26.5	21	8.8	52

Tolerance : 1/2"~3/4" a-0.6mm



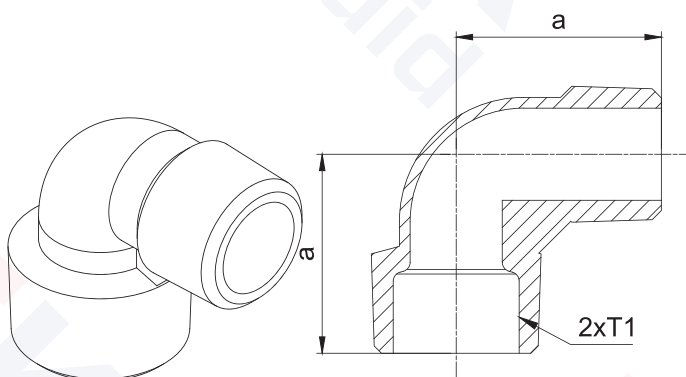
90° Elbow M-M
Code:31-0A010



Size T1	DN	a
1/4"	8	26
3/8"	10	28
1/2"	15	33
3/4"	20	37.5
1"	25	40
1 1/4"	32	49
1 1/2"	40	53
2"	50	64

Tolerance : 1/8"~2" a-0.6mm

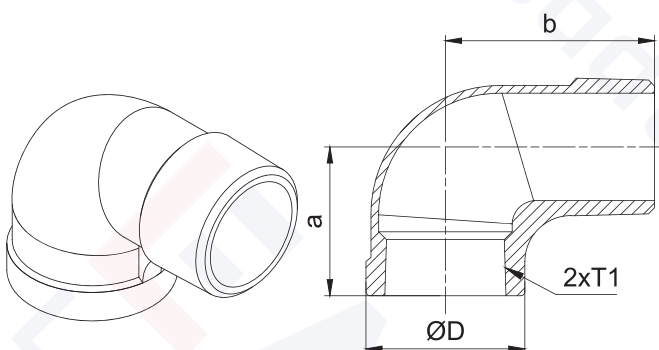
90° Reducing Elbow M-M
Code:31-0A011



Size T1	DN	a
3/4"	20	33
1"	25	38

Tolerance : 3/4"~1" a-0.6mm

90° Street Elbow M-F
Code:31-0A020

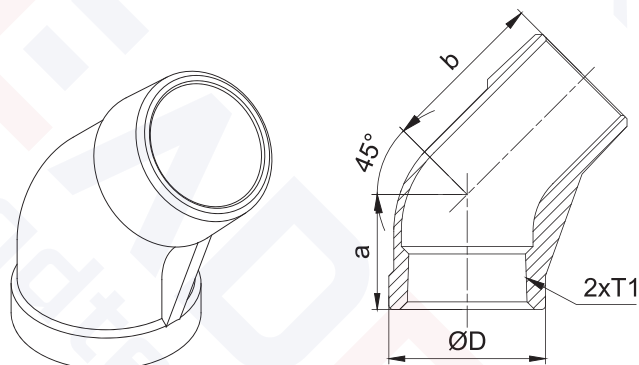


Size T1	DN	ØD	a	b
1/8"	6	14.5	17	27
1/4"	8	18	19	28
3/8"	10	21	23	32
1/2"	15	26.5	27	37
3/4"	20	32	32	43
1"	25	39.5	37	52
1 1/4"	32	48.5	43	59
1 1/2"	40	55	48	64
2"	50	67	56	74
2 1/2"	65	84	69	89
3"	80	98	78	100
4"	100	124.5	94	120

Tolerance : 1/8"~2" a b-0.6mm 、 2 1/2"~4" a b-1.2mm

Casting Threaded Fitting MFR STD 31-0A

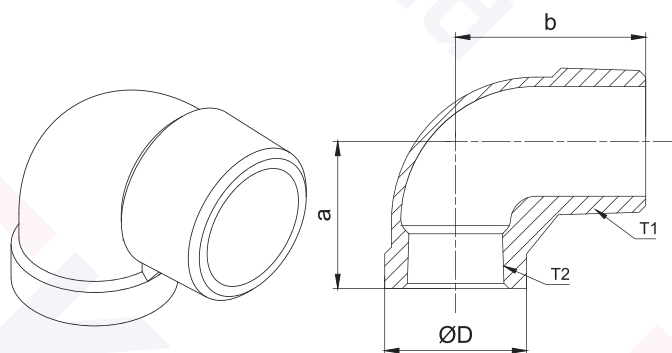
45° Street Elbow M-F Code:31-0A021



Size T1	DN	ØD	a	b
1/8"	6	14.5	16	21
1/4"	8	18	17	23
3/8"	10	21	19	27
1/2"	15	26.5	21	31
3/4"	20	32	25	36
1"	25	39.5	29	42
1 1/4"	32	48.5	33	49
1 1/2"	40	55	37	51
2"	50	67	42	59
2 1/2"	65	84	49	71
3"	80	98	54	79
4"	100	124.5	64	96

Tolerance : 1/8"~2" a b-0.6mm 、2 1/2"~4" a b-1.2mm

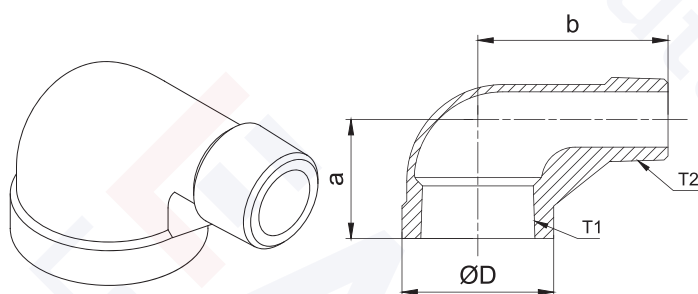
B-S 90° Reducing Street Elbow M-F Code:31-0A022



Size T1xT2	DN	ØD	a	b
3/8"x1/4"	10x8	18	22	27
1/2"x1/4"	15x8	18	23	31
1/2"x3/8"	15x10	21	24	33
3/4"x1/2"	20x15	26.5	31	37
1"x1/2"	25x15	26.5	35	40
1"x3/4"	25x20	31.5	36	42
1 1/4"x1"	32x25	39.5	43	50
1 1/2"x1"	40x25	39.5	46	50
1 1/2"x1 1/4"	40x25	48.5	48	54
2"x1"	50x25	39.5	51	56
2"x1 1/4"	50x32	48.5	53	61
2"x1 1/2"	50x40	55	53	64

Tolerance : 1/4"~2" a b-0.6mm

B-S 90° Reducing Street Elbow F-M Code:31-0A023

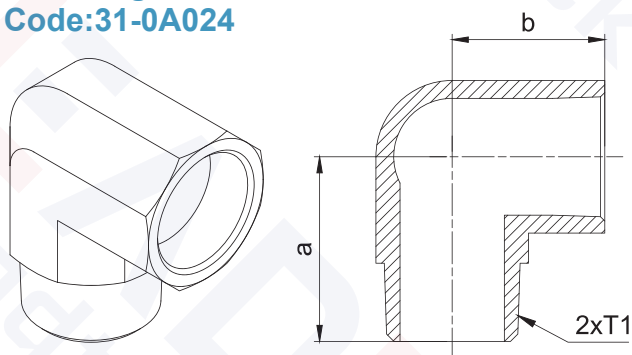


Size T1xT2	DN	ØD	a	b
3/8"x1/4"	10x8	21	21	31
1/2"x1/4"	15x8	26	26	33
1/2"x3/8"	15x10	26.5	26	36
3/4"x1/2"	20x15	32	29	43
1"x1/2"	25x15	39.5	31	50
1"x3/4"	25x20	39.5	34	51
1 1/4"x1"	32x25	48.5	39	57
1 1/2"x1"	40x25	55	45	64
1 1/2"x1 1/4"	40x25	55	45	64
2"x1"	50x25	67.5	44	63
2"x1 1/4"	50x32	67.5	48	67
2"x1 1/2"	50x40	67.5	50	69

Tolerance : 1/4"~2" a b-0.6mm

Casting Threaded Fitting MFR STD 31-0A

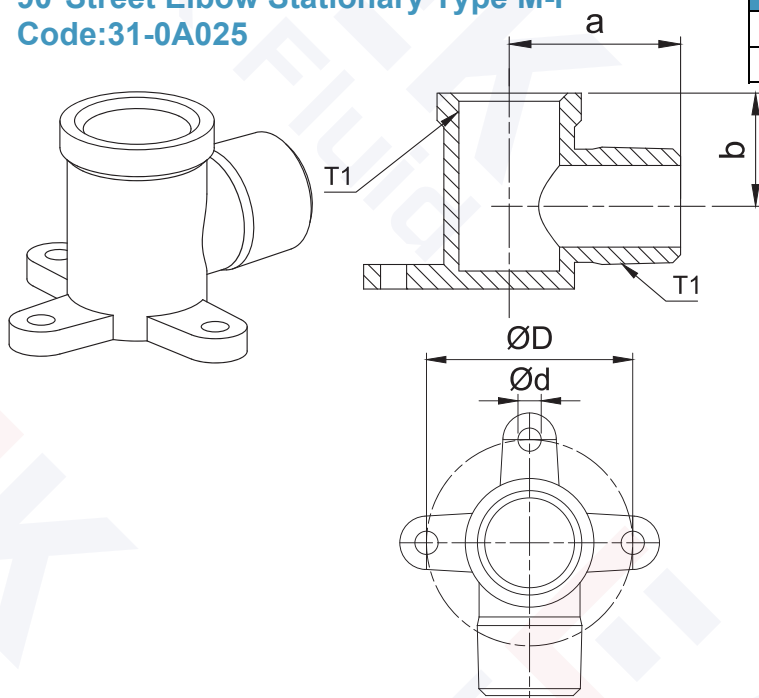
90°Hexagon Street Elbow F-M
Code:31-0A024



Size T1	DN	a	b
1/4"	8	27	19
3/8"	10	29	23
1/2"	15	35	27
3/4"	20	40	32
1"	25	46	38
1 1/4"	32	54	45
1 1/2"	40	57	48
2"	50	70	57

Tolerance : 1/4"~2" a b-0.6mm

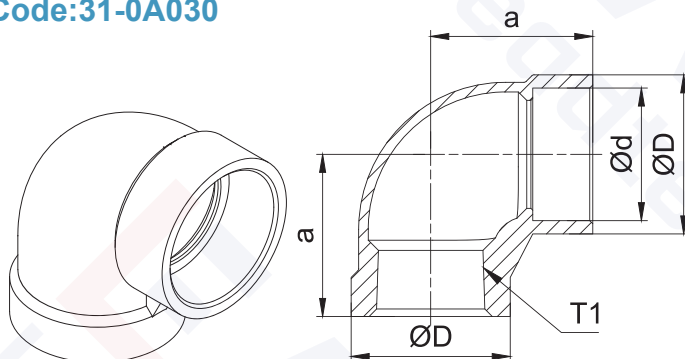
90°Street Elbow Stationary Type M-F
Code:31-0A025



Size T1xT2	DN	ØD	Ød	a	b
1/2"	10x8	42.5	4.8	31	20.5

Tolerance 1/2" a b-0.6mm

90°Elbow SW-F
Code:31-0A030

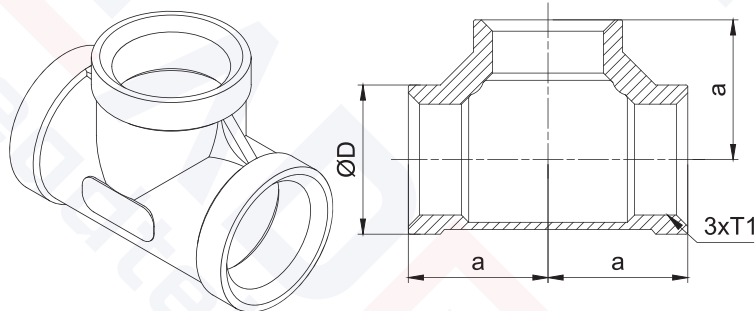


Size T1	DN	ØD	Ød	a
1/2"	15	26.5	22.1	27
3/4"	20	32	27.6	32
1"	25	39.5	34.4	37

Tolerance : 1/2"~1" a-0.6mm

Casting Threaded Fitting MFR STD 31-0A

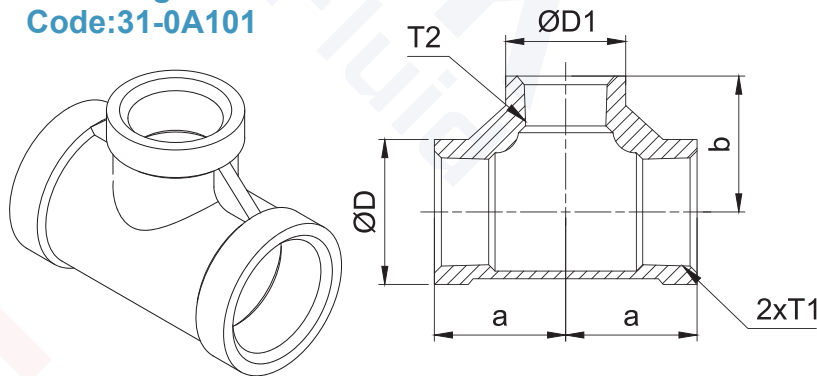
Tee F-F-F Code:31-0A100



Size T1	DN	ØD	a
1/8"	6	15	17
1/4"	8	18	19
3/8"	10	21	23
1/2"	15	26.5	27
3/4"	20	32	32
1"	25	39.5	37
1 1/4"	32	48.5	43
1 1/2"	40	55	48
2"	50	67	56
2 1/2"	65	84	69
3"	80	98	78
4"	100	124.5	94

Tolerance : 1/8"~2" a-0.6mm、2 1/2"~4" a-1.2mm

Reducing Tee F-F-F Code:31-0A101



Size T1xT2	DN	ØD	ØD1	a	b
1/4"x1/8"	8x6	18	14.5	18	18
3/8"x1/8"	10x6	21	14.5	19	20
3/8"x1/4"	10x8	21	18	20	22
1/2"x1/8"	15x6	26.5	14.5	23	22
1/2"x1/4"	15x8	26.5	18	24	24
1/2"x3/8"	15x10	26.5	21	26	25
3/4"x1/4"	20x8	32	18	26	27
3/4"x3/8"	20x10	32	21	28	28
3/4"x1/2"	20x15	32	26.5	29	30
1"x1/4"	25x8	39.5	18	29	30
1"x3/8"	25x10	39.5	21	31	31
1"x1/2"	25x15	39.5	26.5	32	33
1"x3/4"	25x20	39.5	32	34	35
1 1/4"x3/8"	32x10	48.5	21	34	39
1 1/4"x1/2"	32x15	48.5	26.5	34	39
1 1/4"x3/4"	32x20	48.5	32	37	40
1 1/4"x1"	32x25	48.5	39.5	40	42
1 1/2"x3/8"	40x10	55	21	35	42
1 1/2"x1/2"	40x15	55	26.5	35	42
1 1/2"x3/4"	40x20	55	32	38	43
1 1/2"x1"	40x25	55	39.5	41	45
1 1/2"x1 1/4"	40x32	55	48.5	45	48

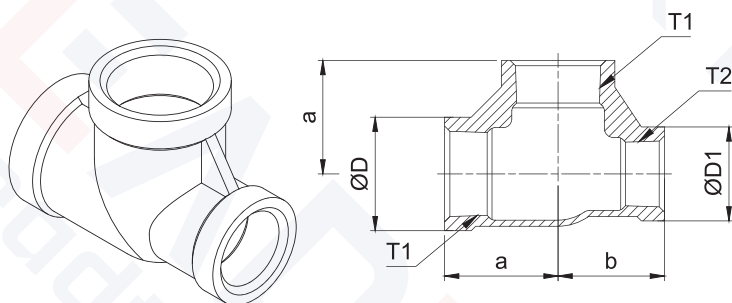
Tolerance : 1/8"~2" a b-0.6mm、2 1/2"~4" a b-1.2mm

Size T1xT2	DN	ØD	ØD1	a	b
2"x1/2"	50x15	67	26.5	36	48
2"x3/4"	50x20	67	32	40	49
2"x1"	50x25	67	39.5	43	51
2"x1 1/4"	50x32	67	48.5	47	53
2"x1 1/2"	50x40	67	55	51	54
2 1/2"x1/2"	65x15	84	26.5	47	60
2 1/2"x3/4"	65x20	84	32	47	60
2 1/2"x1"	65x25	84	39.5	47	60
2 1/2"x1 1/4"	65x32	84	48.5	52	61
2 1/2"x1 1/2"	65x40	84	55	55	62
2 1/2"x2"	65x50	84	67	60	65
3"x1"	80x25	98	39.5	54	68
3"x1 1/4"	80x32	98	48.5	54	68
3"x1 1/2"	80x40	98	55	57	69
3"x2"	80x50	98	67	62	72
3"x2 1/2"	80x65	98	84	72	75
4"x1 1/4"	100x32	124.5	48.5	60	83
4"x1 1/2"	100x40	124.5	55	63	84
4"x2"	100x50	124.5	67	68	87
4"x2 1/2"	100x65	124.5	84	78	90
4"x3"	100x80	124.5	98	83	91

Tolerance : 1/8"~2" a b-0.6mm、2 1/2"~4" a b-1.2mm

Casting Threaded Fitting MFR STD 31-0A

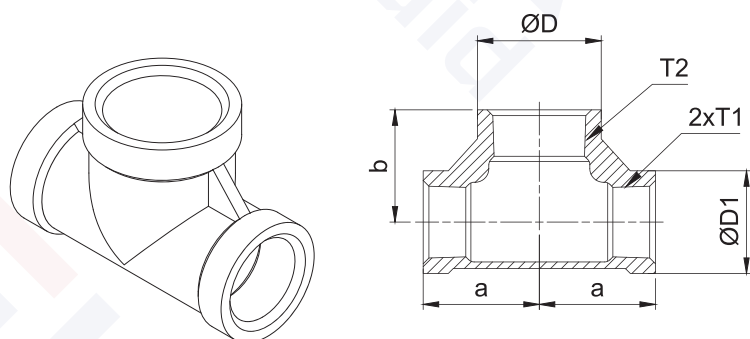
B-B-S Reducing Tee F-F-F
Code:31-0A102



Size T1xT1xT2	DN	ØD	ØD1	a	b
3/8"x3/8"x1/4"	10x10x8	21	18	23	22
1/2"x1/2"x1/4"	15x15x8	26.5	18	27	24
1/2"x1/2"x3/8"	15x15x10	26.5	25	27	25
3/4"x3/4"x1/2"	20x20x15	32	26.5	32	30
1"x1"x1/2"	25x25x15	39.5	26.5	37	33
1"x1"x3/4"	25x25x20	39.5	32	37	35

Tolerance : 3/8"x3/8"x1/4"~ 1"x1"x3/4" a b-0.6mm

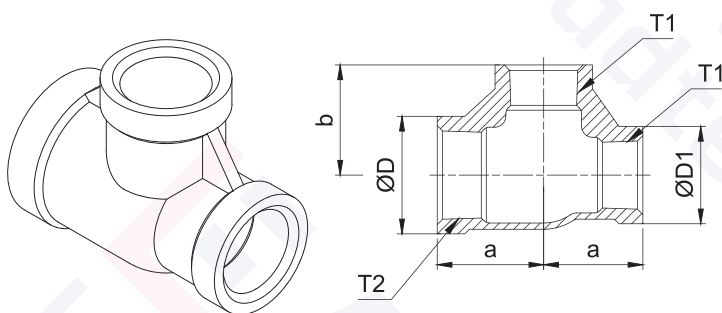
S-B-S Reducing Tee F-F-F
Code:31-0A103



Size T1xT2xT1	DN	ØD	ØD1	a	b
1/4"x3/8"x1/4"	8x10x8	21	18	22	20
1/4"x1/2"x1/4"	8x15x8	26	18	24	24
3/8"x1/2"x3/8"	10x15x10	18	26	25	26
1/2"x3/4"x1/2"	15x20x15	32	26.5	30	29
1/2"x1"x1/2"	15x25x15	39.5	26.5	33	32
3/4"x1"x3/4"	20x25x20	39.5	32	35	34
1"x1 1/4"x1"	25x32x25	48.5	39.5	42	40
1"x1 1/2"x1"	25x40x25	55	39.5	45	41
1 1/4"x1 1/2"x1 1/4"	32x40x32	55	48.5	48	45
1"x2"x1"	25x50x25	67.5	39.5	51	44
1 1/4"x2"x1 1/4"	32x25x32	67.5	48.5	54	48
1 1/2"x2"x1 1/2"	40x50x40	67.5	55	54	51

Tolerance : 1/4"x3/8"x1/4"~ 1 1/2"x2"x1 1/2" a b-0.6mm

S-S-B Reducing Tee F-F-F
Code:31-0A104

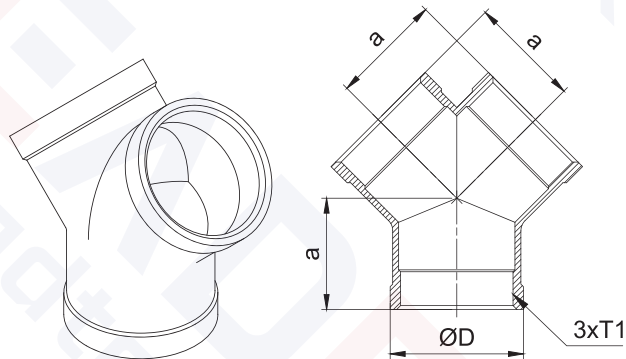


Size T1xT1xT2	DN	ØD	ØD1	a	b
1/4"x1/4"x3/8"	8x8x10	21	18	20	22
1/4"x1/4"x1/2"	8x8x15	26	18	24	24
3/8"x3/8"x1/2"	10x10x15	18	26	26	25
1/2"x1/2"x3/4"	15x15x20	32	26.5	29	30
1/2"x1/2"x1"	15x15x25	39.5	26.5	32	33
3/4"x3/4"x1"	20x20x25	39.5	32	34	35

Tolerance : 1/4"x1/4"x3/8"~3/4"x3/4"x1" a b-0.6mm

Casting Threaded Fitting MFR STD 31-0A

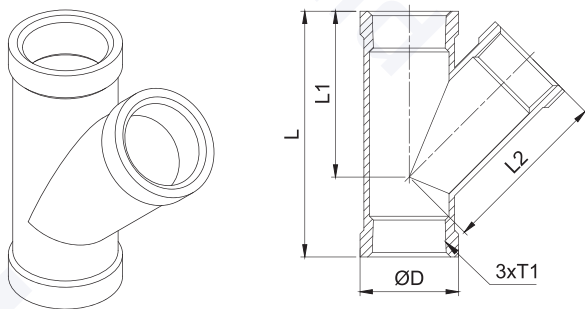
Y-Type Tee F-F-F Code:31-0A105



Size T1	DN	ØD	a
1/4"	8	18	19
3/8"	10	21	23
1/2"	15	26.5	27
3/4"	20	32	32
1"	25	39.5	38
1 1/4"	32	48.5	43
1 1/2"	40	55	48
2"	50	67	56
2 1/2"	65	84	69
3"	80	98	78
4"	100	124	98

Tolerance : 1/4"~2" a-0.6mm 、 2 1/2"~4" a-1.2mm

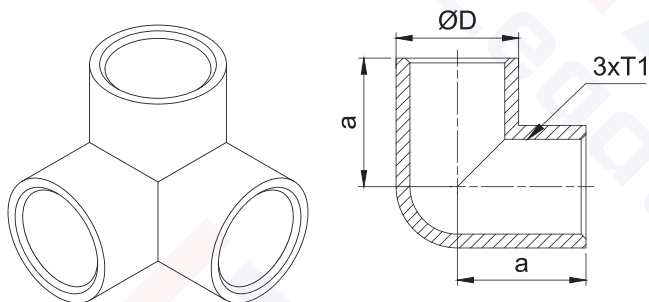
45° Tee F-F-F Code:31-0A106



Size T1	DN	ØD	L	L1	L2
1/4"	8	18	55	32.5	33
3/8"	10	21	60	38	38.5
1/2"	15	26.5	65	45.5	46.5
3/4"	20	32	80	54	55.5
1"	25	39.5	90	65	66
1 1/4"	32	48.5	104	75	76
1 1/2"	40	55	120	88	88
2"	50	67	138	105	107

Tolerance : 1/4"~2" L-1.2mm

Three-Dimensional Tee F-F-F Code:31-0A107

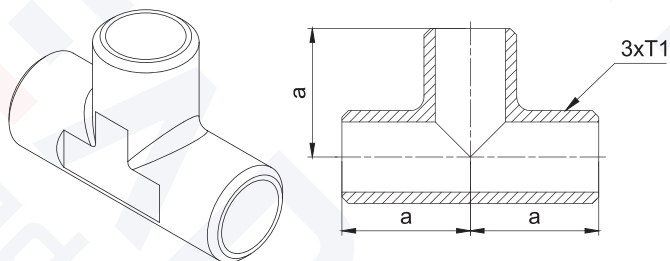


Size T1	DN	ØD	a
1/4"	8	17	19
3/8"	10	21	23
1/2"	15	25	27
3/4"	20	30.5	32
1"	25	38	37
1 1/4"	32	47	43
1 1/2"	40	53	48
2"	50	66	56

Tolerance : 1/4"~2" a-0.6mm

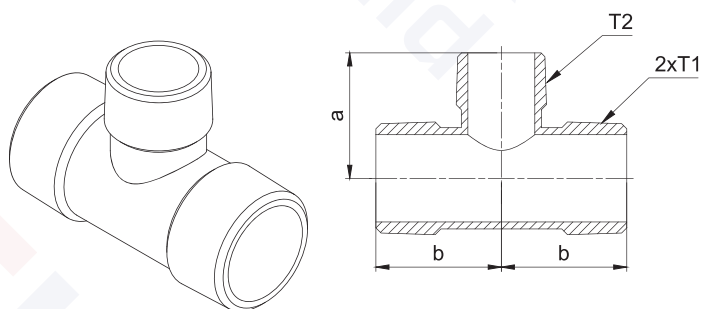
Casting Threaded Fitting MFR STD 31-0A

Tee M-M-M
Code:31-0A110



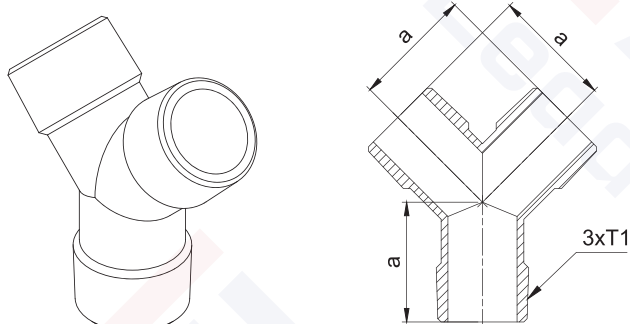
Size T1	DN	a
1/4"	8	26
3/8"	10	28
1/2"	15	33
3/4"	20	37.5
1"	25	40
1 1/4"	32	49
1 1/2"	40	53
2"	50	64
Tolerance : 1/4"~2" a-0.6mm		

Reducing Tee M-M-M
Code:31-0A111



Size T1xT2	DN	a	b
3/4"x1/2"	20x15	32	33
1"x3/4"	25x20	38	38
Tolerance : 3/4"x1/2"~1"x3/4" a b-0.6mm			

Y-Type Tee M-M-M
Code:31-0A112

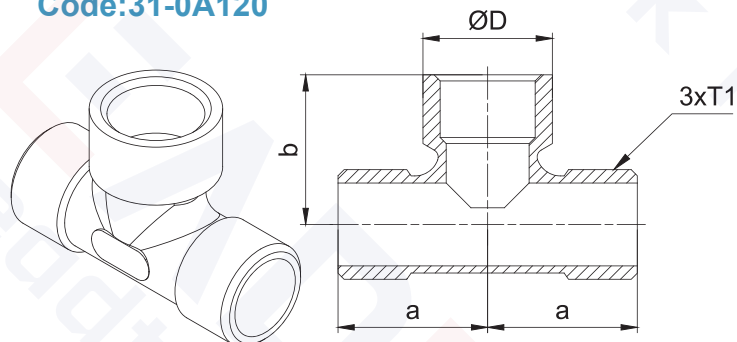


Size T1	DN	a
1/4"	8	23.5
3/8"	10	26.5
1/2"	15	30.5
3/4"	20	35.5
1"	25	42
1 1/4"	32	49
1 1/2"	40	53
2"	50	64
Tolerance : 1/4"~2" a-0.6mm		

Casting Threaded Fitting MFR STD 31-0A

Tee M-F-M

Code:31-0A120

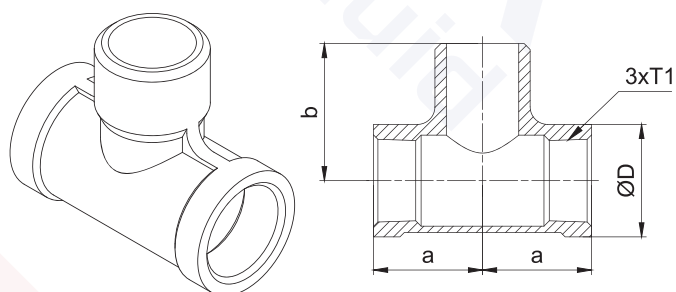


Size T1	DN	ØD	a	b
1/4"	8	18	24	26
3/8"	10	21	27	29
1/2"	15	26.5	35	26
3/4"	20	32	37	37
1"	25	39.5	43	43
1 1/4"	32	48.5	52	52
1 1/2"	40	55	57	56
2"	50	67	69	69

Tolerance : 1/4"~2" a b-0.6mm

Tee F-M-F

Code:31-0A121

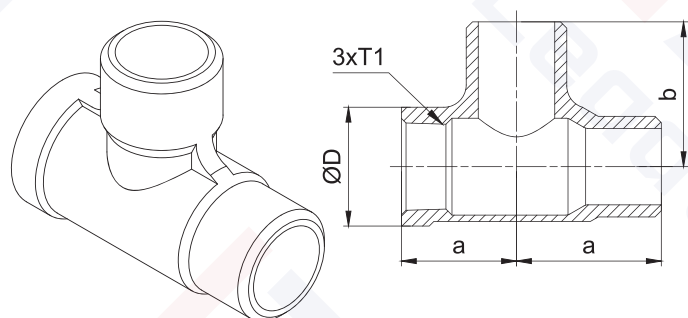


Size T1	DN	ØD	a	b
1/4"	8	18	19	28
3/8"	10	21	23	32
1/2"	15	26.5	26	35
3/4"	20	32	31	39
1"	25	39.5	37	47
1 1/4"	32	48.5	43	54
1 1/2"	40	55	48	57
2"	50	67	56	74

Tolerance : 1/4"~2" a b-0.6mm

Tee M-M-F

Code:31-0A122

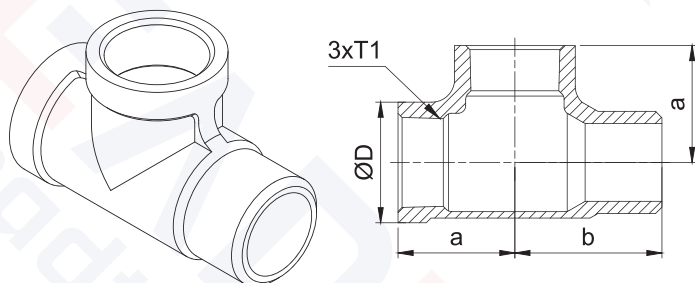


Size T1	DN	ØD	a	b
1/4"	8	18	19	28
3/8"	10	21	23	32
1/2"	15	26.5	26	35
3/4"	20	32	31	39
1"	25	39.5	37	47
1 1/4"	32	48.5	43	54
1 1/2"	40	55	48	57
2"	50	67	56	74

Tolerance : 1/4"~2" a b-0.6mm

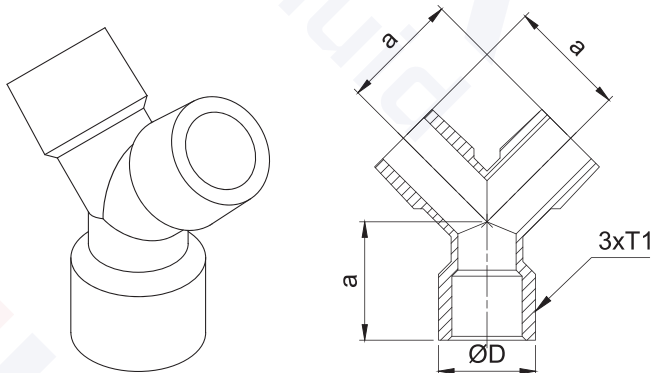
Casting Threaded Fitting MFR STD 31-0A

Tee F-F-M
Code:31-0A123



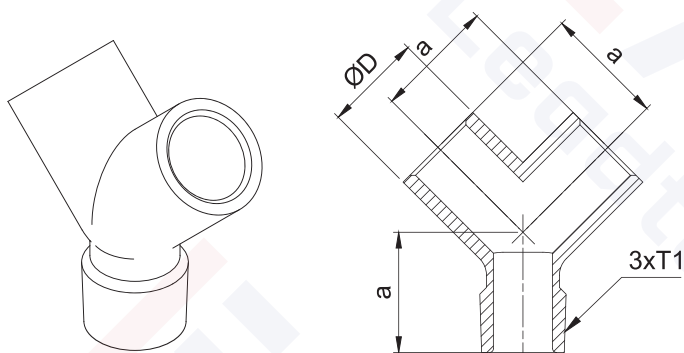
Size T1	DN	ØD	a	b
1/4"	8	18	19	28
3/8"	10	21	23	32
1/2"	15	26.5	26	35
3/4"	20	32	31	39
1"	25	39.5	37	47
1 1/4"	32	48.5	43	54
1 1/2"	40	55	48	57
2"	50	67	56	74
Tolerance : 1/4"~2" a b-0.6mm				

Y-Type Tee M-M-F
Code:31-0A124



Size T1	DN	ØD	a
1/2"	15	25	30.5
Tolerance : 1/2" a-0.6mm			

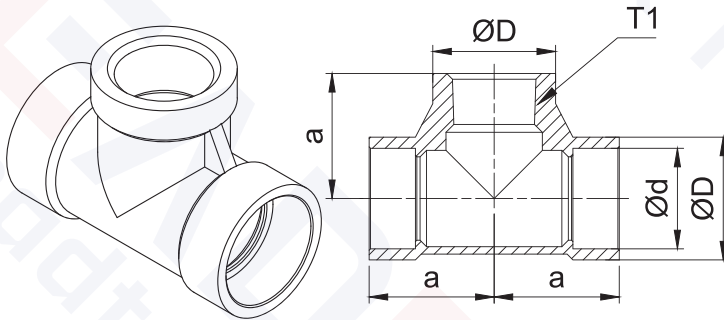
Y-Type Tee F-F-M
Code:31-0A125



Size T1	DN	ØD	a
1/2"	15	25	30.5
Tolerance : 1/2" a-0.6mm			

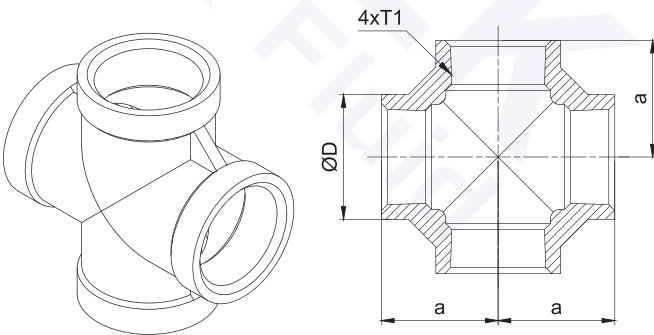
Casting Threaded Fitting MFR STD 31-0A

Tee SW-F-SW
Code:31-0A130



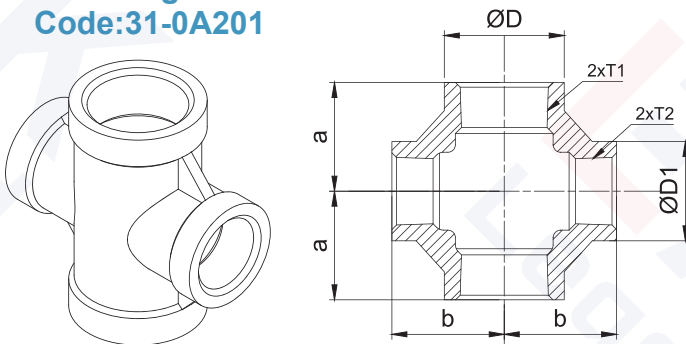
Size T1	DN	ØD	Ød	a
1/2"	15	22.1	27	26.5
3/4"	20	27.6	32	32
1"	25	34.4	37	39.5
Tolerance : 1/2"~1" a-0.6mm				

Cross F-F-F-F
Code:31-0A200



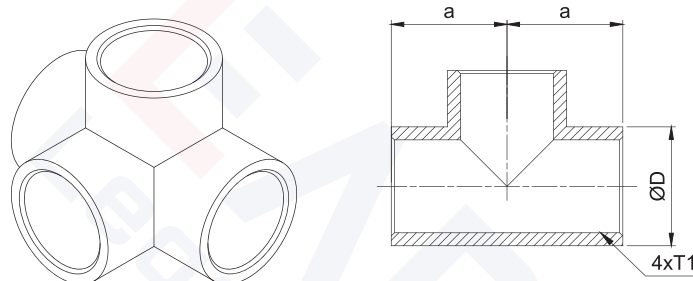
Size T1	DN	ØD	a
1/8"	6	15	17
1/4"	8	18	19
3/8"	10	21	23
1/2"	15	26.5	27
3/4"	20	32	32
1"	25	39.5	37
1 1/4"	32	48.5	43
1 1/2"	40	55	48
2"	50	67	56
2 1/2"	65	84	69
3"	80	98	78
4"	100	124.5	94
Tolerance : 1/8"~2" a-0.6mm 、 2 1/2"~4" a-1.2mm			

Reducing Cross F-F-F-F
Code:31-0A201



Size T1xT2	DN	ØD	ØD1	a	b
3/4"x1/2"	20x15	32	26.5	29	30
1"x1/2"	25x15	39.5	26.5	32	33
Tolerance : 3/4"x1/2"~1"x1/2" a b-0.6mm					

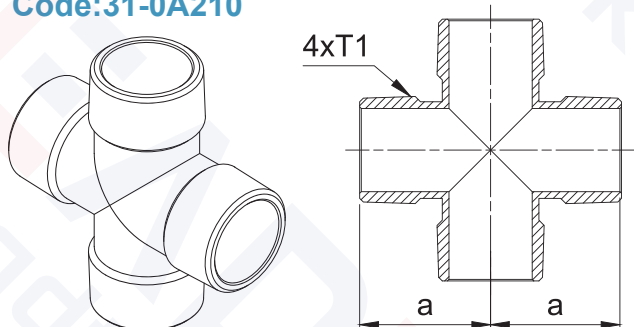
Three-Dimensional Cross F-F-F-F
Code:31-0A202



Size T1	DN	ØD	a
1/4"	8	18	19
3/8"	10	21	23
1/2"	15	25	27
3/4"	20	30.5	32
1"	25	38	37
1 1/4"	32	47	43
1 1/2"	40	53	48
2"	50	66	56
Tolerance : 1/4"~2" a-0.6mm			

Casting Threaded Fitting MFR STD 31-0A

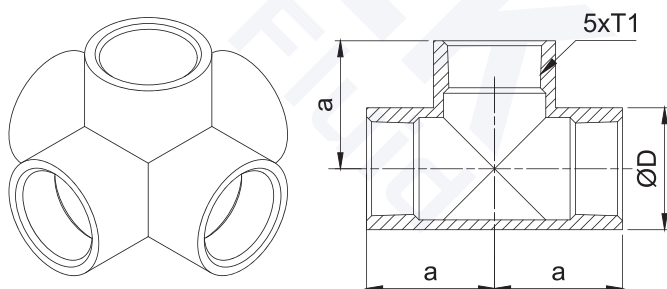
Cross M-M-M-M
Code:31-0A210



Size T1	DN	a
1/4"	8	23.5
3/8"	10	26.5
1/2"	15	30.5
3/4"	20	35.5
1"	25	42
1 1/4"	32	49
1 1/2"	40	53
2"	50	64

Tolerance : 1/4"~2" a-0.6mm

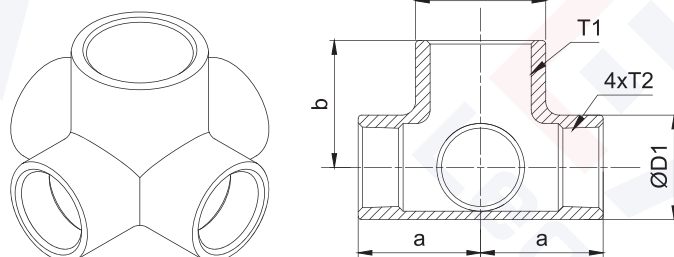
Five-Way F-F-F-F-F
Code:31-0A220



Size T1	DN	ØD	a
1/4"	8	17	19
3/8"	10	21	23
1/2"	15	25	27
3/4"	20	30.5	32
1"	25	38	37
1 1/4"	32	47	43
1 1/2"	40	53	48
2"	50	66	56

Tolerance : 1/4"~2" a-0.6mm

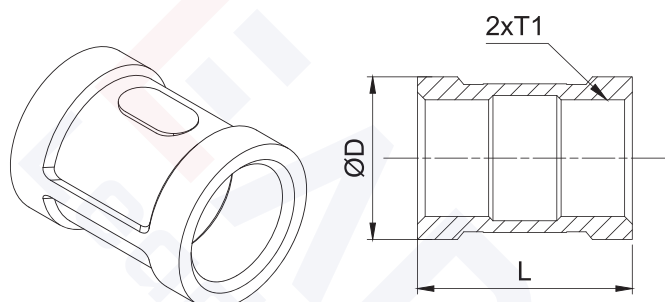
Reducing Five-Way F-F-F-F-F
Code:31-0A221



Size T1xT2	DN	ØD	ØD1	a	b
1"x3/4"	25x20	38	30.5	37	35.5

Tolerance : 1" a b-0.6mm

Socket Banded F-F
Code:31-0A300

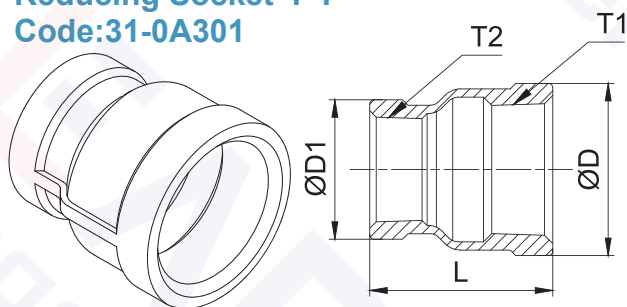


Size T1	DN	ØD	a
1/8"	6	14.5	25
1/4"	8	18	26
3/8"	10	21	30
1/2"	15	26.5	35
3/4"	20	32	38
1"	25	39.5	43
1 1/4"	32	48.5	49
1 1/2"	40	55	52
2"	50	67	63
2 1/2"	65	84	70
3"	80	98	75
4"	100	124.5	85

Tolerance : 1/8"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm

Casting Threaded Fitting MFR STD 31-0A

Reducing Socket F-F Code:31-0A301



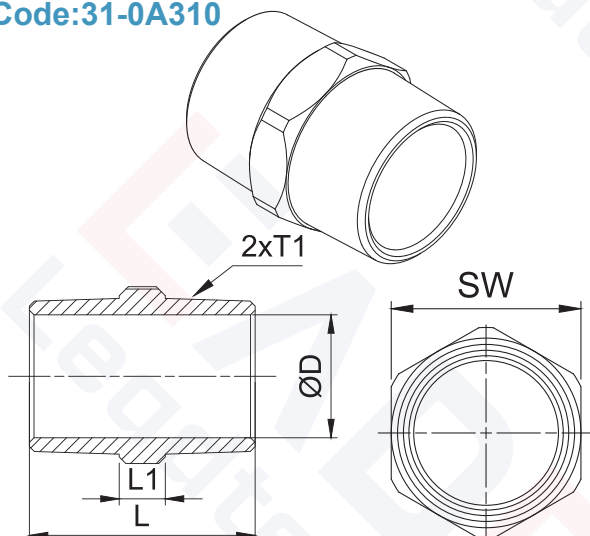
Size T1xT2	DN	ØD	Φ D1	a
1/4"x1/8"	8x6	18	14.5	28
3/8"x1/8"	10x6	21	14.5	30
3/8"x1/4"	10x8	21	18	30
1/2"x1/8"	15x6	26.5	14.5	34
1/2"x1/4"	15x8	26.5	18	34
1/2"x3/8"	15x10	26.5	21	34
3/4"x1/4"	20x8	32	18	38
3/4"x3/8"	20x10	32	21.5	38
3/4"x1/2"	20x15	32	26.5	38
1"x1/4"	25x8	39.5	18	42
1"x3/8"	25x10	39.5	21	42
1"x1/2"	25x15	39.5	26.5	42
1"x3/4"	25x20	39.5	32	42
1 1/4"x1/4"	32x8	48.5	14.5	46
1 1/4"x3/8"	32x10	48.5	21	46
1 1/4"x1/2"	32x15	48.5	26.5	46
1 1/4"x3/4"	32x20	48.5	32	46
1 1/4"x1"	32x25	48.5	39.5	46
1 1/2"x3/8"	40x10	55	21	50
1 1/2"x1/2"	40x15	55	26.5	50
1 1/2"x3/4"	40x20	55	32	50
1 1/2"x1"	40x25	55	39.5	50

Tolerance : 1/8"~2" L-1.2mm 、2 1/2"~4" L-2.4mm

Size T1xT2	DN	ØD	Φ D1	a
1 1/2"x1 1/4"	40x32	55	48.5	50
2"x1/2"	50x15	67	26.5	56
2"x3/4"	50x20	67	32	56
2"x1"	50x25	67	39.5	56
2"x1 1/4"	50x32	67	48.5	56
2"x1 1/2"	50x40	67	55	56
2 1/2"x1/2"	65x15	84	26.5	65
2 1/2"x3/4"	65x20	84	32	65
2 1/2"x1"	65x25	84	39.5	65
2 1/2"x1 1/4"	65x32	84	48.5	65
2 1/2"x1 1/2"	65x40	84	55	65
2 1/2"x2"	65x50	84	67	65
3"x1"	80x25	98	39.5	70
3"x1 1/4"	80x32	98	48.5	70
3"x1 1/2"	80x40	98	55	70
3"x2"	80x50	98	67	70
3"x2 1/2"	80x65	98	84	70
4"x1 1/4"	100x32	124.5	48.5	85
4"x1 1/2"	100x40	124.5	55	85
4"x2"	100x50	124.5	67	85
4"x2 1/2"	100x65	124.5	84	85
4"x3"	100x80	124.5	98	85

Tolerance : 1/8"~2" L-1.2mm 、2 1/2"~4" L-2.4mm

Hexagon Nipple M-M Code:31-0A310

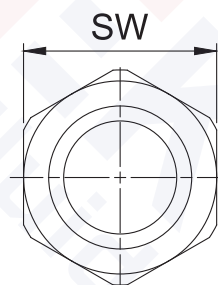
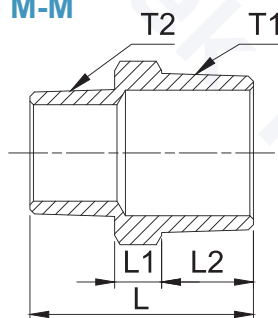
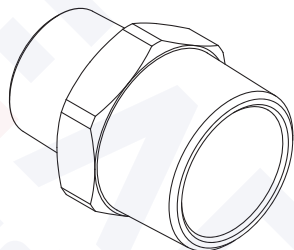


Size T1	DN	L	L1	SW
1/8"	6	28	6	12
1/4"	8	33	6	15
3/8"	10	36	7	18
1/2"	15	41	8	22
3/4"	20	44	9	28
1"	25	49	10	35
1 1/4"	32	53	11	44
1 1/2"	40	55	12	50
2"	50	63	13	62
2 1/2"	65	70	14	78
3"	80	77	15	91
4"	100	90	16	117

Tolerance : 1/8"~2" L-1.2mm 、2 1/2"~4" L-2.4mm
Polygon Type : Hexagon 1/8"~3/4" 、Octagon 1"~4"

Casting Threaded Fitting MFR STD 31-0A

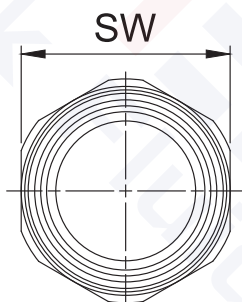
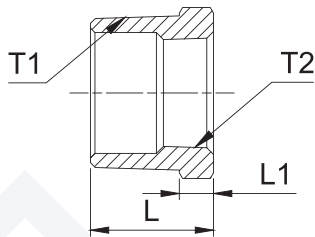
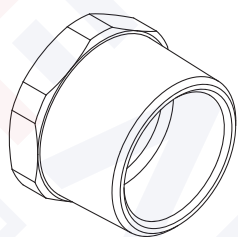
Reducing Hexagon Nipple M-M Code:31-0A311



Size T1xT2	DN	L	L1	L2	SW
1/4"x1/8"	8x6	30.5	6	13.5	15
3/8"x1/8"	10x6	32.5	7	14.5	18
3/8"x1/4"	10x8	35	7	14.5	18
1/2"x1/8"	15x6	35.5	8	16.5	22
1/2"x1/4"	15x8	38	8	16.5	22
1/2"x3/8"	15x10	39	8	16.5	22
3/4"x1/4"	20x8	40	9	17.5	28
3/4"x3/8"	20x10	41	9	17.5	28
3/4"x1/2"	20x15	43	9	17.5	28
1"x1/4"	25x8	43	10	19.5	35
1"x3/8"	25x10	44	10	19.5	35
1"x1/2"	25x15	46	10	19.5	35
1"x3/4"	25x20	47	10	19.5	35
1 1/4"x3/8"	32x10	46.5	11	21	44
1 1/4"x1/2"	32x15	48.5	11	21	44
1 1/4"x3/4"	32x20	49.5	11	21	44
1 1/4"x1"	32x25	51.5	11	21	44
1 1/2"x3/8"	40x10	48	12	21.5	50
Tolerance : 1/8"~2" L-1.2mm、2 1/2"~4" L-2.4mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~4"					

Size T1xT2	DN	L	L1	L2	SW
1 1/2"x1/2"	40x15	50	12	21.5	50
1 1/2"x3/4"	40x20	51	12	21.5	50
1 1/2"x1"	40x25	53	12	21.5	50
1 1/2"x1 1/4"	40x32	54.5	12	21.5	50
2"x1/2"	50x15	54.5	13	25	62
2"x3/4"	50x20	55.5	13	25	62
2"x1"	50x25	57.5	13	25	62
2"x1 1/4"	50x32	59	13	25	62
2"x1 1/2"	50x40	59.5	13	25	62
2 1/2"x1 1/4"	65x32	63	14	28	78
2 1/2"x1 1/2"	65x40	63.5	14	28	78
2 1/2"x2"	65x50	67	14	28	78
3"x1 1/2"	80x40	67.5	15	31	91
3"x2"	80x50	71	15	31	91
3"x2 1/2"	80x65	74	15	31	91
4"x2"	100x50	78	16	37	117
4"x2 1/2"	100x65	81	16	37	117
4"x3"	100x80	84	16	37	117
Tolerance : 1/8"~2" L-1.2mm、2 1/2"~4" L-2.4mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~4"					

Casting Threaded Fitting MFR STD 31-0A

Hexagon Bushing M-F
Code:31-0A320

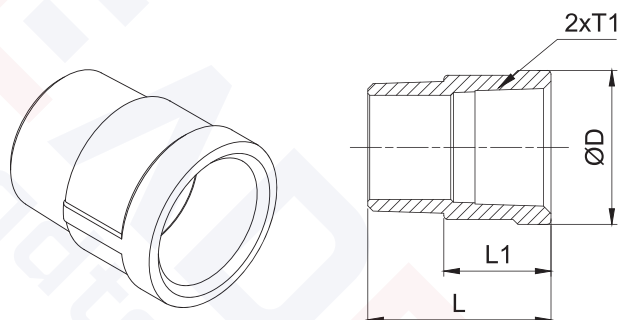
Size T1xT2	DN	L	L1	SW
1/4"x1/8"	8x6	19.5	6	15
3/8"x1/4"	10x8	21	6.5	18
1/2"x1/8"	15x6	21	6.5	18
1/2"x1/4"	15x8	23	6.5	22
1/2"x3/8"	15x10	23	6.5	22
3/4"x1/8"	20x6	23	6.5	22
3/4"x1/4"	20x8	24.5	7	28
3/4"x3/8"	20x10	24.5	7	28
3/4"x1/2"	20x15	24.5	7	28
1"x1/8"	25x6	24.5	7	28
1"x1/4"	25x8	27	7.5	35
1"x3/8"	25x10	27	7.5	35
1"x1/2"	25x15	27	7.5	35
1"x3/4"	25x20	27	7.5	35
1 1/4"x1/4"	32x8	27	7.5	35
1 1/4"x3/8"	32x10	29	8	44
1 1/4"x1/2"	32x15	29	8	44
1 1/4"x3/4"	32x20	29	8	44
1 1/4"x1"	32x25	29	8	44
1 1/2"x1/4"	40x8	29	8	44
1 1/2"x3/8"	40x10	30	8.5	50
1 1/2"x1/2"	40x15	30	8.5	50
1 1/2"x3/4"	40x20	30	8.5	50
1 1/2"x1"	40x25	30	8.5	50
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~4"				

Size T1xT2	DN	L	L1	SW
2"x1/4"	50x8	30	8.5	50
2"x3/8"	50x10	34	9	62
2"x1/2"	50x15	34	9	62
2"x3/4"	50x20	34	9	62
2"x1"	50x25	34	9	62
2"x1 1/4"	50x32	34	9	62
2"x1 1/2"	50x40	34	9	62
2 1/2"x1/2"	65x15	34	9	62
2 1/2"x3/4"	65x20	38.5	10.5	78
2 1/2"x1"	65x25	38.5	10.5	78
2 1/2"x1 1/4"	65x32	38.5	10.5	78
2 1/2"x1 1/2"	65x40	38.5	10.5	78
2 1/2"x2"	65x50	38.5	10.5	78
3"x1"	80x25	38.5	10.5	78
3"x1 1/4"	80x32	42.5	11.5	91
3"x1 1/2"	80x40	42.5	11.5	91
3"x2"	80x50	42.5	11.5	91
3"x2 1/2"	80x65	42.5	11.5	91
4"x1"	100x25	42.5	11.5	91
4"x1 1/4"	100x32	49.5	12.5	117
4"x1 1/2"	100x40	49.5	12.5	117
4"x2"	100x50	49.5	12.5	117
4"x2 1/2"	100x65	49.5	12.5	117
4"x3"	100x80	49.5	12.5	117
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~4"				

Casting Threaded Fitting MFR STD 31-0A

Round Adaptor M-F

Code:31-0A321

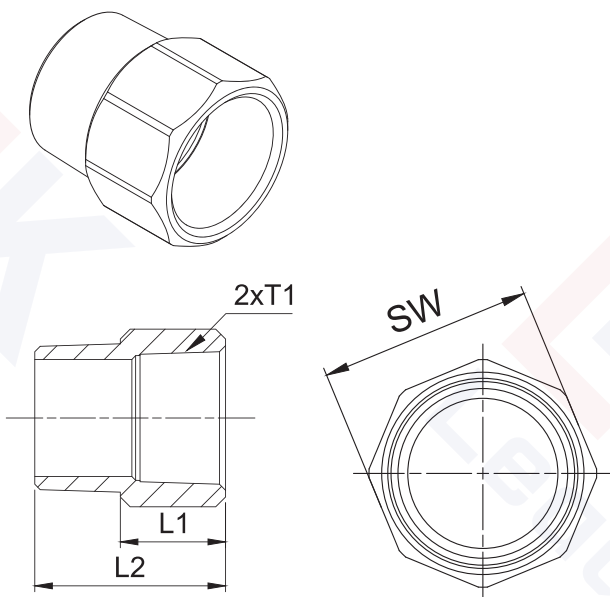


Size T1	DN	D	L	L1
1/4"	8	18	32	18.5
3/8"	10	21	34	19.5
1/2"	15	26.5	39	22.5
3/4"	20	32	42	24.5
1"	25	39.5	47	27.5
1 1/4"	32	48.5	51	30
1 1/2"	40	55	53	31.5
2"	50	67	61	36
2 1/2"	65	84	68	38
3"	80	98	72	39
4"	100	124	85	46

Tolerance : 1/4"~2" L-1.2mm 2 1/2"~4" L-2.4mm

Hexagon Adaptor M-F

Code:31-0A322

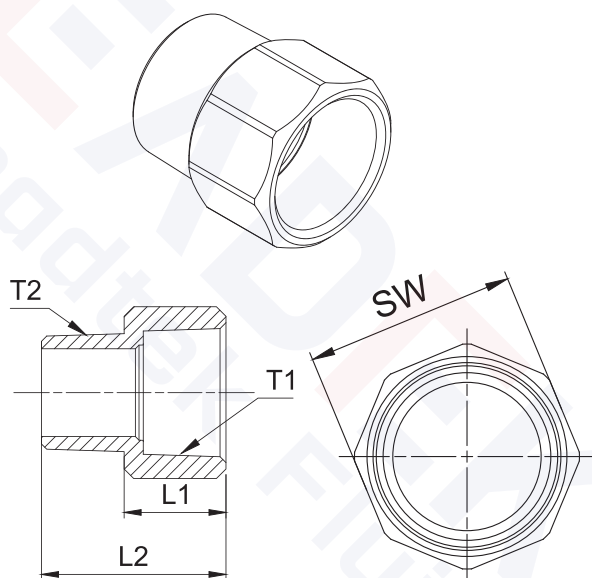


Size T1	DN	L	L1	SW
1/8"	6	27	16	14
1/4"	8	31.5	17	17
3/8"	10	33.5	18	21
1/2"	15	38.5	21	25
3/4"	20	41	22.5	31
1"	25	44.5	24	38
1 1/4"	32	48	26	47
1 1/2"	40	49.5	27	53
2"	50	57	31	65

Tolerance: 1/4"~2" L-1.2mm
Polygon Type: Hexagon 1/8"~3/4", Octagon 1"~4"

Casting Threaded Fitting MFR STD 31-0A

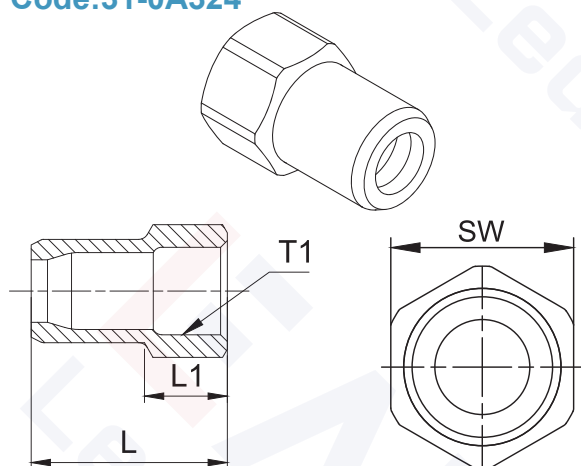
Negative Hexagon Bushing M-F Code:31-0A323



Size T1xT2	DN	L	L1	SW
1/4"x1/8"	8x6	29	17	17
3/8"x1/8"	10x6	30	18	21
3/8"x1/4"	10x8	32.5	18	21
1/2"x1/4"	15x8	35.5	21	25
1/2"x3/8"	15x10	36.5	21	25
3/4"x1/4"	20x8	37	22.5	31
3/4"x3/8"	20x10	38	22.5	31
3/4"x1/2"	20x15	40	22.5	31
1"x1/4"	25x8	38.5	24	38
1"x3/8"	25x10	39.5	24	38
1"x1/2"	25x15	41.5	24	38
1"x3/4"	25x20	42.5	24	38
1 1/4"x1/2"	32x15	43.5	26	47
1 1/4"x3/4"	32x20	44.5	26	47
1 1/4"x1"	32x25	46.5	26	47
1 1/2"x1/2"	40x15	44.5	27	53
1 1/2"x3/4"	40x20	45.5	27	53
1 1/2"x1"	40x25	47.5	27	53
1 1/2"x1 1/4"	40x32	49	27	53
2"x1/2"	50x15	48.5	31	65
2"x3/4"	50x20	49.5	31	65
2"x1"	50x25	51.5	31	65
2"x1 1/4"	50x32	53	31	65
2"x1 1/2"	50x40	53.5	31	65

Tolerance : 1/4"~2" L-1.2mm
Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~2"

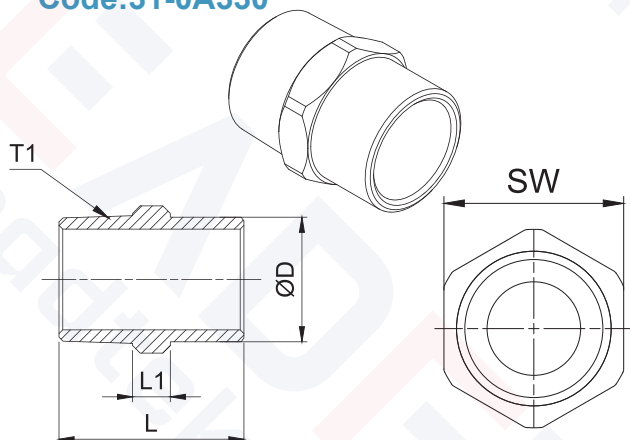
Hexagon-Adaptor M-F Long Type Code:31-0A324



Size T1	L	L1
G1/2"-L32	32	15
G1/2"-L40	40	23.5
G1/2"-L50	50	33.5
G1/2"-L60	60	43.5
G1/2"-L 70	70	53.8
G1/2"-L100	100	83.8

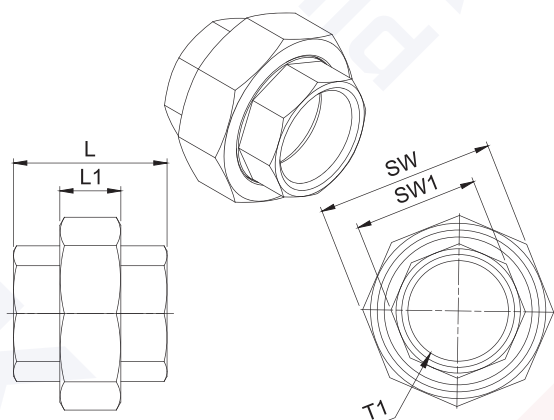
Tolerance : 32~60L-1.2mm 70~100-2.4mm

Casting Threaded Fitting MFR STD 31-0A

Welding-Hexagon Nipple BW-M
Code:31-0A330


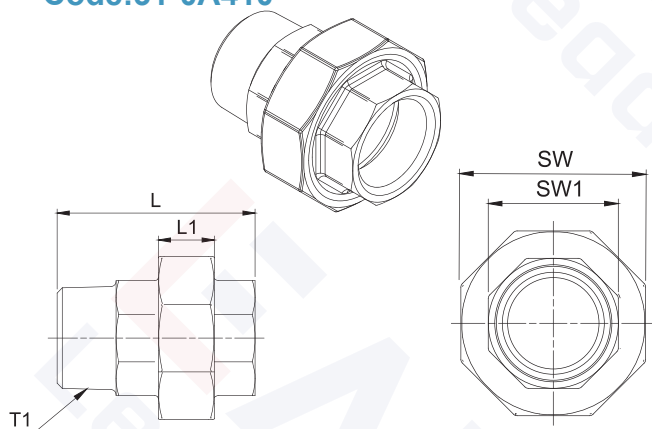
Size T1	DN	ØD	L	L1	SW
1/8"	6	9.5	28	6	12
1/4"	8	13	33	6	15
3/8"	10	16.5	36	7	18
1/2"	15	21	41	8	22
3/4"	20	26	44	9	28
1"	25	33	49	10	35
1 1/4"	32	41.5	53	11	44
1 1/2"	40	47.5	55	12	50
2"	50	59	63	13	62
2 1/2"	65	75	70	14	78
3"	80	88	77	15	91
4"	100	113	90	16	117

Tolerance : 1/8"~2" L-1.2mm、2 1/2"~4" L-2.4mm
 Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~4"

Union Flat Seal PTFE F-F
Code:31-0A400


Size T1	DN	L	L1	SW	SW1
1/8"	6	30	13	26	14
1/4"	8	33	14	29	17
3/8"	10	36	14.5	33	21
1/2"	15	39.5	16.5	38	25
3/4"	20	42.5	17.5	46	31
1"	25	46.5	18.5	54	38
1 1/4"	32	53	21	64	47
1 1/2"	40	57	23	71	53
2"	50	63	25	85	65
2 1/2"	65	71	27	107	81
3"	80	79	29	120	95
4"	100	89	31	146	121

Tolerance : 1/8"~2" L±0.6mm、2 1/2"~4" L±1.2mm
 Polygon Type : Octagon 1/8"~2" Decagon 2 1/2"~4"

Union Flat Seal PTFE M-F
Code:31-0A410


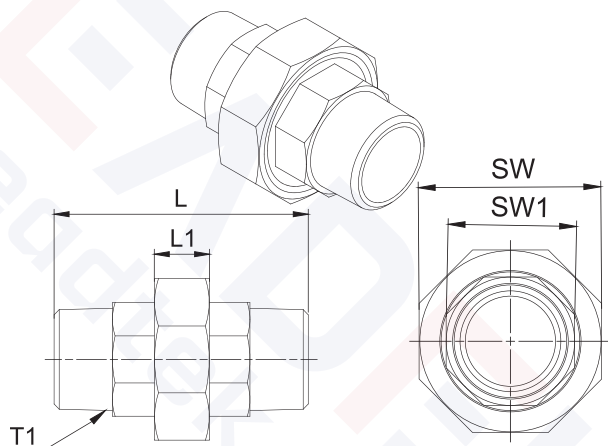
Size T1	DN	L	L1	SW	SW1
1/8"	6	40.5	13	26	14
1/4"	8	46	14	29	17
3/8"	10	50	14.5	33	21
1/2"	15	55.5	16.5	38	25
3/4"	20	59.5	17.5	46	31
1"	25	65.5	18.5	54	38
1 1/4"	32	73.5	21	64	47
1 1/2"	40	78	23	71	53
2"	50	87.5	25	85	65
2 1/2"	65	98.5	27	107	81
3"	80	109.5	29	120	95
4"	100	125.5	31	146	121

Tolerance : 1/8"~2" L-0.6mm、2 1/2"~4" L-1.2mm
 Polygon Type : Octagon 1/8"~2" Decagon 2 1/2"~4"

Casting Threaded Fitting MFR STD 31-0A

Union Flat Seal PTFE M-M

Code:31-0A420

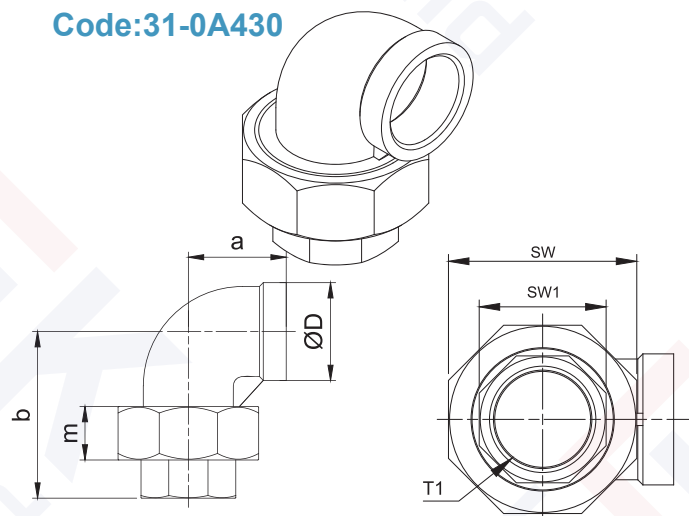


Size T1	DN	L	L1	SW	SW1
1/8"	6	51	13	26	14
1/4"	8	59	14	29	17
3/8"	10	64	14.5	33	21
1/2"	15	71.5	16.5	38	25
3/4"	20	76.5	17.5	46	31
1"	25	84.5	18.5	54	38
1 1/4"	32	94	21	64	47
1 1/2"	40	99	23	71	53
2"	50	112	25	85	65
2 1/2"	65	126	27	107	81
3"	80	140	29	120	95
4"	100	162	31	146	121

Tolerance : 1/8"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm
 Polygon Type : Octagon 1/8"~2" Decagon 2 1/2"~4"

Union Elbow Flat Seal PTFE F-F

Code:31-0A430

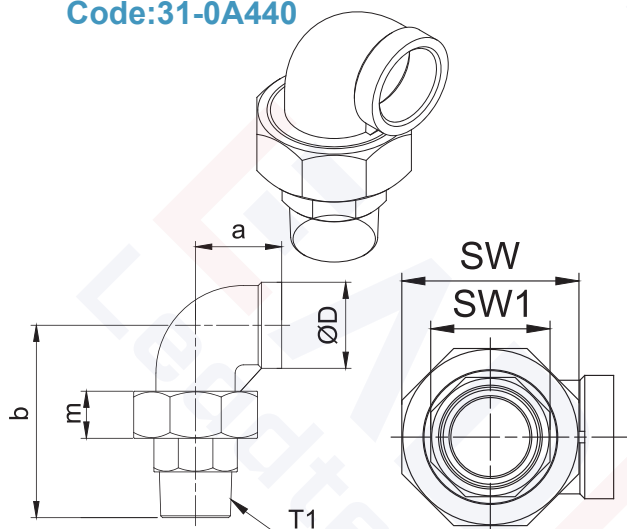


Size T1	DN	ØD	a	b	m	SW	SW1
1/8"	6	14.5	17	33	13	26	14
1/4"	8	18	19	37	14	29	17
3/8"	10	21.5	23	42	14.5	33	21
1/2"	15	26.5	27	48.5	16.5	38	25
3/4"	20	32	32	54.5	17.5	46	31
1"	25	39.5	37	61	18.5	54	38
1 1/4"	32	48.5	43	70.5	21	64	47
1 1/2"	40	55	48	77.5	23	71	53
2"	50	67	56	88.5	25	85	65

Tolerance : 1/8"~2" b-0.6mm
 Polygon Type : Octagon 1/8"~2"

Union Elbow Flat Seal PTFE M-F

Code:31-0A440



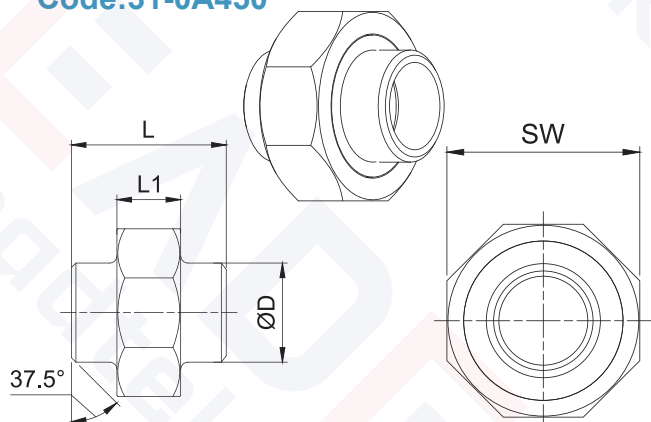
Size T1	DN	ØD	a	b	m	SW	SW1
1/8"	6	14.5	17	43.5	13	26	14
1/4"	8	18	19	50	14	29	17
3/8"	10	21.5	23	56	14.5	33	21
1/2"	15	26.5	27	64.5	16.5	38	25
3/4"	20	32	32	71.5	17.5	46	31
1"	25	39.5	37	80	18.5	54	38
1 1/4"	32	48.5	43	91	21	64	47
1 1/2"	40	55	48	98.5	23	71	53
2"	50	67	56	113	25	85	65

Tolerance : 1/8"~2" b-0.6mm
 Polygon Type : Octagon 1/8"~2"

Casting Threaded Fitting MFR STD 31-0A

Union Flat Seal PTFE BW-BW

Code:31-0A450

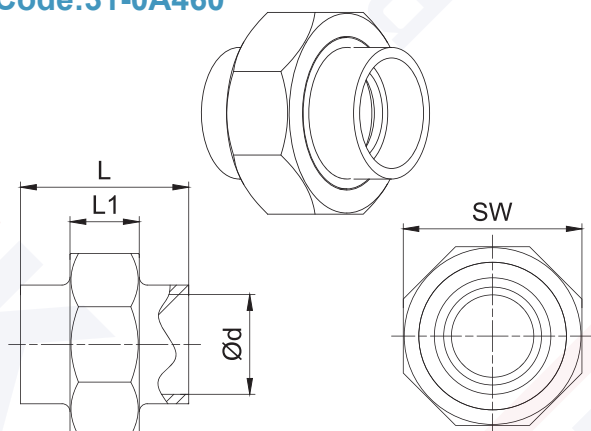


Size T1	DN	ØD	L	L1	SW
1/8"	6	10.5	30	13	26
1/4"	8	13.8	33	14	29
3/8"	10	17.3	36	14.5	33
1/2"	15	21.7	39.5	16.5	38
3/4"	20	27.2	42.5	17.5	46
1"	25	34	46.5	18.5	54
1 1/4"	32	42.7	53	21	64
1 1/2"	40	48.6	57	23	71
2"	50	60.5	63	25	85
2 1/2"	65	76.1	71	27	107
3"	80	88.9	79	29	120
4"	100	114.3	89	31	146

Tolerance : 1/8"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Union Flat Seal PTFE SW-SW

Code:31-0A460

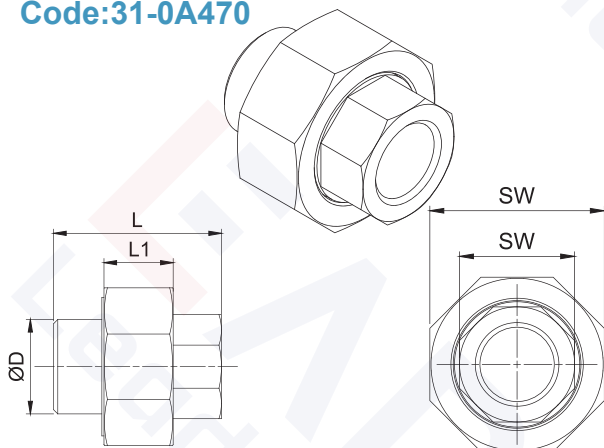


Size T1	DN	Ød	L	L1	M	SW
1/8"	6	11	30	9.6	13	14
1/4"	8	14.3	33	9.6	14	17
3/8"	10	17.8	36	9.6	14.5	21
1/2"	15	22.2	39.5	9.6	16.5	25
3/4"	20	27.7	42.5	12.7	17.5	31
1"	25	34.5	46.5	12.7	18.5	38
1 1/4"	32	43.2	53	12.7	21	47
1 1/2"	40	49.1	57	12.7	23	53
2"	50	61.1	63	15.9	25	65
2 1/2"	65	77.1	71	15.9	27	81
3"	80	90	79	15.9	29	95
4"	100	115.3	89	15.9	31	121

Tolerance : 1/8"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Union Flat Seal PTFE BW-F

Code:31-0A470



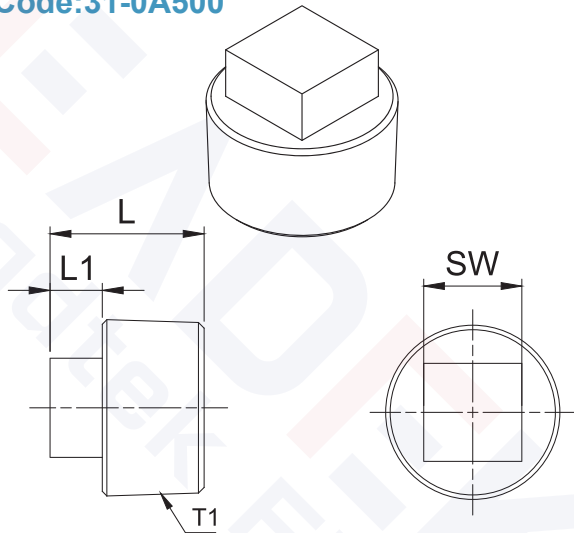
Size T1	DN	ØD	L	L1	SW	SW1
1/8"	6	10.5	30	13	26	14
1/4"	8	13.8	33	14	29	17
3/8"	10	17.3	36	14.5	33	21
1/2"	15	21.7	39.5	16.5	38	25
3/4"	20	27.2	42.5	17.5	46	31
1"	25	34	46.5	18.5	54	38
1 1/4"	32	42.7	53	21	64	47
1 1/2"	40	48.6	57	23	71	53
2"	50	60.5	63	25	85	65
2 1/2"	65	76.3	71	27	107	81
3"	80	89.1	79	29	120	95
4"	100	114.3	89	31	146	121

Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Casting Threaded Fitting MFR STD 31-0A

Square Plug M

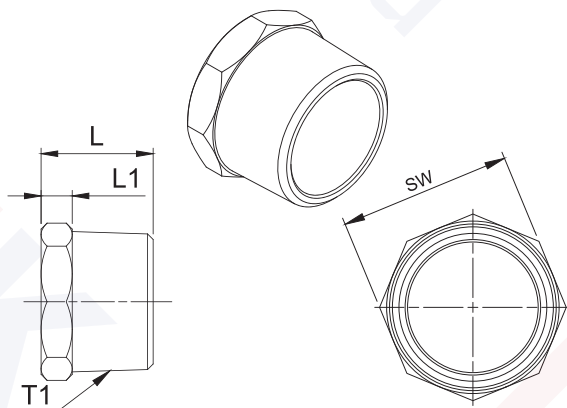
Code:31-0A500



Size T1	DN	L	L1	SW
1/8"	6	15	6	7
1/4"	8	20.5	7	8
3/8"	10	21.5	7	10
1/2"	15	24.5	8	12
3/4"	20	26.5	9	14
1"	25	29.5	10	19
1 1/4"	32	32	11	24
1 1/2"	40	33.5	12	27
2"	50	38	13	32
2 1/2"	65	43	15	36
3"	80	47	16	41
4"	100	56	19	46
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm				

Hexagon Plug M

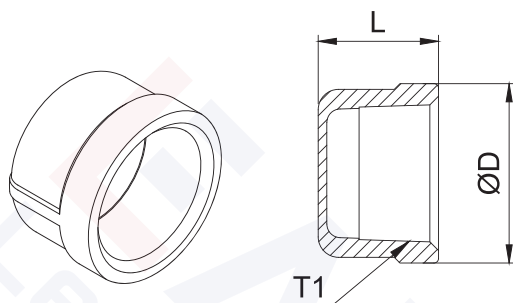
Code:31-0A501



Size T1	DN	L	L1	SW
1/8"	6	13	6	7
1/4"	8	19	7	8
3/8"	10	20	7	10
1/2"	15	23	8	12
3/4"	20	24	9	14
1"	25	26.5	10	19
1 1/4"	32	28.5	11	24
1 1/2"	40	30	12	27
2"	50	33.5	13	32
2 1/2"	65	38	15	36
3"	80	41.5	16	41
4"	100	49	19	46
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~4"				

Round Cap F

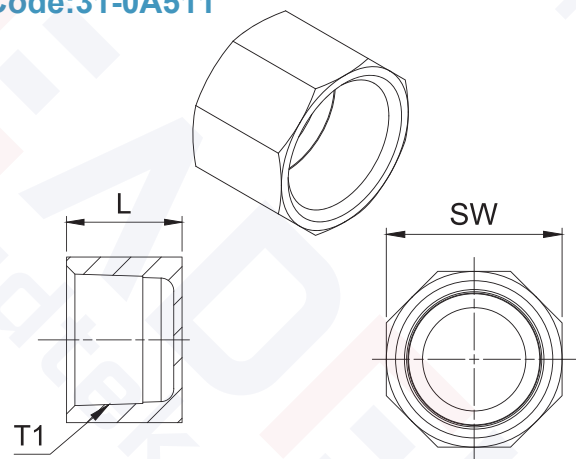
Code:31-0A510



Size T1	DN	L	SW
1/8"	6	15.5	14
1/4"	8	16.5	17
3/8"	10	17.5	21
1/2"	15	21.5	25
3/4"	20	22.5	31
1"	25	26	38
1 1/4"	32	28.5	47
1 1/2"	40	30	53
2"	50	31	65
2 1/2"	65	39	82
3"	80	41.5	95.5
4"	100	48.5	121.5
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~4"			

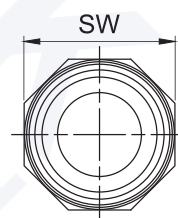
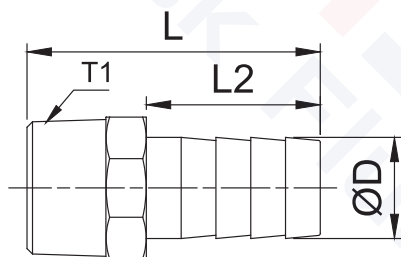
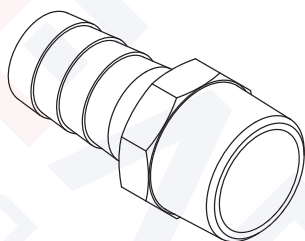
Casting Threaded Fitting MFR STD 31-0A

Hexagon Cap F
Code:31-0A511



Size T1	DN	L	SW
1/8"	6	15.5	14
1/4"	8	16.5	17
3/8"	10	17.5	21
1/2"	15	21.5	25
3/4"	20	22.5	31
1"	25	26.5	38
1 1/4"	32	29	47
1 1/2"	40	30	53
2"	50	34	65
2 1/2"	65	39	82
3"	80	42.5	95.5
4"	100	49	121.5
Tolerance : 1/8"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm			

Casting Threaded Fitting MFR STD 31-0A

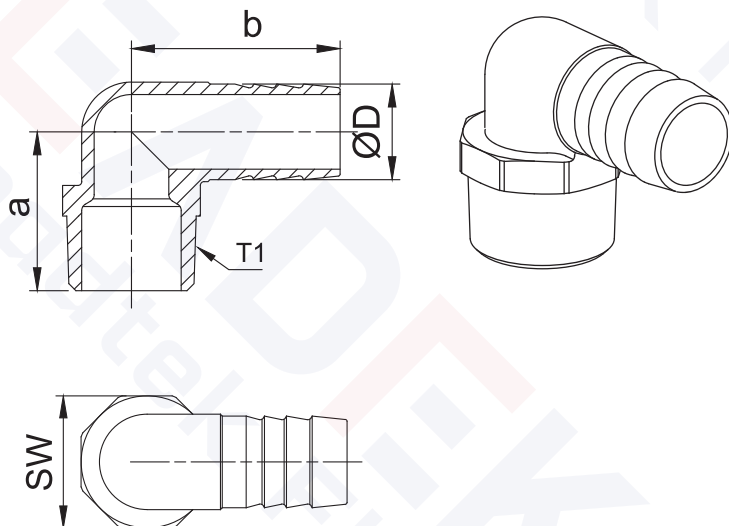
Hexagon Hose Nipple M
Code:31-0A600

Size T1	DN	ØD	L	L1	L2	SW
1/8"	6	6	37	6	20	12
1/8"	6	8	40	6	23	12
1/8"	6	10	42	6	25	12
1/8"	6	10	42	6	25	12
1/8"	6	11	43	6	26	12
1/4"	8	6	40.5	6	21	15
1/4"	8	8	43.5	6	24	15
1/4"	8	10	45.5	6	26	15
1/4"	8	10	45.5	6	26	15
1/4"	8	11	46.5	6	27	15
1/4"	8	12	47.5	6	28	15
1/4"	8	13	48.5	6	29	15
3/8"	10	6	43	7	21	18
3/8"	10	8	47	7	25	18
3/8"	10	10	49	7	27	18
3/8"	10	11	50	7	28	18
3/8"	10	12	51	7	29	18
3/8"	10	13	52	7	30	18
3/8"	10	15	53	7	31	18
3/8"	10	16	53.5	7	32	18
1/2"	15	6	47.5	8	23	22
1/2"	15	8	51.5	8	27	22
1/2"	15	10	54	8	29	22
1/2"	15	10	54	8	29	22
1/2"	15	11	54.5	8	30	22
1/2"	15	12	55.5	8	31	22
1/2"	15	13	56.5	8	32	22
1/2"	15	14	58	8	33	22
1/2"	15	15	58.5	8	34	22
1/2"	15	16	60	8	35	22
1/2"	15	19	62	8	37	22
1/2"	15	20	62.5	8	38	22
1/2"	15	25	67	8	41	28
3/4"	20	10	57	9	30	28
3/4"	20	12	59	9	32	28
3/4"	20	13	60	9	33	28
3/4"	20	15	61.5	9	35.0	28
3/4"	20	16	63	9	36	28
Tolerance : 1/8"~2" L-1.2mm、2 1/2"~4" L-2.4mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~4"						

Size T1	DN	ØD	L	L1	L2	SW
3/4"	20	19	64.5	9	38	28
3/4"	20	20	65.5	9	39	28
3/4"	20	25	68.5	9	42	28
3/4"	20	26	69	9	42.5	28
1"	25	13.5	61.5	10	32	35
1"	25	15	65.5	10	36	35
1"	25	19	68.5	10	39	35
1"	25	20	65.5	10	40	35
1"	25	25	72.5	10	43	35
1"	25	26	73.5	10	44	35
1"	25	27	73.5	10	44	35
1"	25	32	79.5	10	50	35
1"	25	33	77	10	48	35
1 1/4"	32	25	76	11	44	44
1 1/4"	32	26	76	11	44	44
1 1/4"	32	32	82	11	50	44
1 1/4"	32	33	84	11	52	44
1 1/4"	32	38	87	11	55	44
1 1/2"	40	26	79	12	45	50
1 1/2"	40	33	85.5	12	52	50
1 1/2"	40	38	87.5	12	54	50
1 1/2"	40	40.5	88.5	12	55	50
1 1/2"	40	45	90	12	55	50
1 1/2"	40	51	91	12	57	54
1 1/2"	40	52	92.5	12	59	54
1 1/2"	40	52.5	92.5	12	59	54
2"	50	26	81.5	13	43	62
2"	50	33	90	13	52	62
2"	50	38	93.5	13	55	62
2"	50	50	96	13	58	62
2"	50	51	96	13	58	62
2"	50	64.5	103.5	13	65	62
2"	50	52.5	97	13	59	62
2 1/2"	65	64.5	107	14	65	78
3"	80	75	116	15	69	91
3"	80	77	117	15	71	91
3"	80	103	128.5	15	82.5	106
4"	100	103	136	16	83	117
Tolerance : 1/8"~2" L-1.2mm、2 1/2"~4" L-2.4mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~4"						

Casting Threaded Fitting MFR STD 31-0A

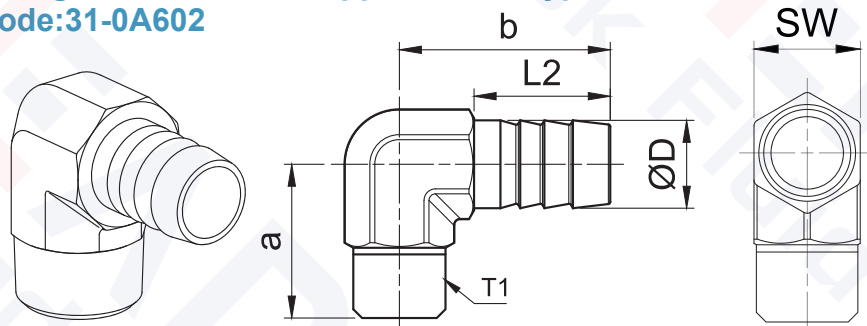
Hexagon Elbow Hose Nipple M LTE-Type Code:31-0A601



Size T1	DN	ØD	a	b	SW
1/4"	8	8	24	30.5	14
1/4"	8	10	25	32.5	14
1/4"	8	12	26	33.5	14
1/4"	8	13	26.5	31.5	14
3/8"	10	8	25.5	32.5	18
3/8"	10	10	26.5	34.5	18
3/8"	10	11	27.5	35.5	18
3/8"	10	12	27.5	35.5	18
3/8"	10	13	28	37.5	18
3/8"	10	15	29	34.5	18
3/8"	10	16	29.5	40.5	18
1/2"	15	8	28.5	37	22
1/2"	15	10	29.5	36.5	22
1/2"	15	11	30	36.5	22
1/2"	15	12	30.5	37.5	22
1/2"	15	13	31	37.5	22
1/2"	15	14	31.5	39.5	22
1/2"	15	15	32	39.5	22
1/2"	15	16	32.5	42.5	22
1/2"	15	19	34	42.5	22
1/2"	15	20	34.5	42.5	22
3/4"	20	15	34	45.5	28
3/4"	20	19	36	45.5	28
Tolerance : 1/4"~2" a b-0.6mm Polygon Type : Hexagon 1/8"~3/4" 、Octagon 1"~2"					

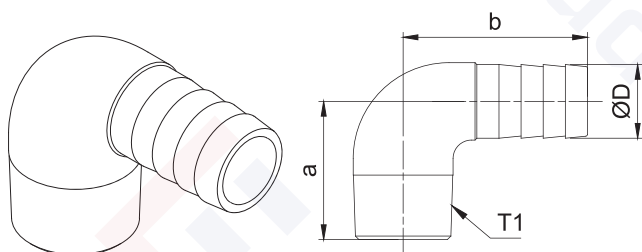
Size T1	DN	ØD	a	b	SW
3/4"	20	20	36.5	49.5	28
3/4"	20	25	39	49.5	28
3/4"	20	26	39.5	49.5	28
1"	25	19	39	50.5	35
1"	25	20	39	53	35
1"	25	25	41.5	53	35
1"	25	26	42	58	35
1"	25	32	45.3	58	35
1"	25	33	45.8	63	35
1 1/4"	32	20	44.5	55	44
1 1/4"	32	26	47	59	44
1 1/4"	32	32	49.3	63	44
1 1/4"	32	33	49.8	68	44
1 1/4"	32	38	52.3	68	44
1 1/4"	32	40.5	53.5	71	44
1 1/2"	40	38	52.3	71	50
1 1/2"	40	40.5	53.5	71	50
1 1/2"	40	42	54.3	83	50
2"	50	48	63.3	83	62
2"	50	50	64.3	83	62
2"	50	51	64.8	83	62
2"	50	52.5	65.5	102	62
2"	50	64.5	77	117	62
Tolerance : 1/4"~2" a b-0.6mm Polygon Type : Hexagon 1/8"~3/4" 、Octagon 1"~2"					

Casting Threaded Fitting MFR STD 31-0A

Hexagon Elbow Hose Nipple M LTH-Type
Code:31-0A602

Size T1	DN	ØD	L2	a	b	SW
1/4"	8	6	18	25.5	28.5	14
1/4"	8	8	21	25.5	31.5	14
1/4"	8	10	22	25.5	32.5	14
1/4"	8	12	24	25.5	34.5	14
3/8"	10	6	18	28.5	31	18
3/8"	10	8	21	28.5	34	18
3/8"	10	10	22	28.5	35	18
3/8"	10	12	24	28.5	37	18
3/8"	10	13	25	28.5	38	18
3/8"	10	15	27	28.5	40	18
3/8"	10	16	27	28.5	40	18
1/2"	15	6	18	33.5	33.5	22
1/2"	15	8	21	33.5	36.5	22
1/2"	15	10	22	33.5	37.5	22
1/2"	15	12	24	33.5	39.5	22
1/2"	15	13	25	33.5	40.5	22
1/2"	15	15	27	33.5	42.5	22
1/2"	15	16	27	33.5	42.5	22
1/2"	15	20	30	33.5	45.5	22
Tolerance : 1/4"~2" a b-0.6mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~2"						

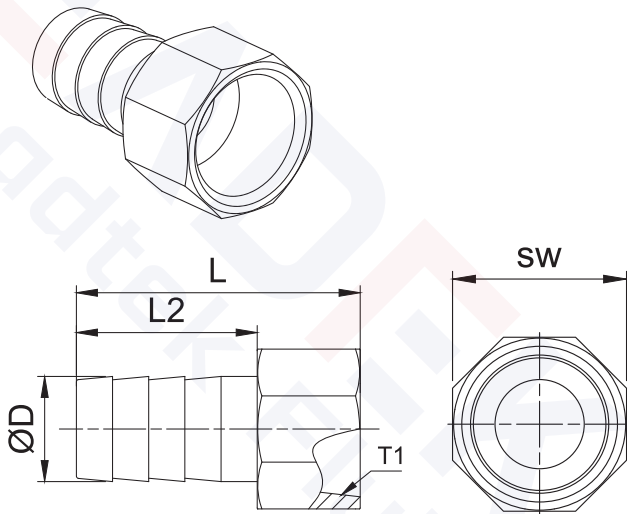
Size T1	DN	ØD	L2	a	b	SW
3/4"	20	15	27	38	46	27.5
3/4"	20	16	27	38	46	27.5
3/4"	20	20	30	38	49	27.5
3/4"	20	25	34	38	53	27.5
3/4"	20	27	39	38	58	27.5
1"	25	20	30	42	50.5	34
1"	25	25	34	42	54.5	34
1"	25	33	39	42	59.5	34
1"	25	26	34	44	54.5	34
1"	25	27	39	44	59.5	34
1"	25	33	39	42	59.5	34
1"	25	34	45	42	65.5	34
1 1/4"	32	33	39	49.5	64.5	43
1 1/2"	40	38	44	54.5	72.5	49
1 1/2"	40	40.5	44	52.5	72.5	49
2"	50	50	50	64	85.5	61
2"	50	51	50	64	85.5	61
2"	50	52.5	50	64	93.5	61
Tolerance : 1/4"~2" a b-0.6mm Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~2"						

Round Elbow Hose Nipple M
Code:31-0A603

Size T1	DN	ØD	a	b
1/4"	8	8	26	29
1/4"	8	10	26	31
1/4"	8	12	26	33
3/8"	10	8	28	32
3/8"	10	10	28	34
3/8"	10	12	28	36
3/8"	10	15	28	38
1/2"	15	8	33	36
1/2"	15	10	33	38
1/2"	15	12	33	40
1/2"	15	15	33	43
1/2"	15	16	33	43
1/2"	15	20	33	47
3/4"	20	20	37.5	50
3/4"	20	25	37.5	53
1"	25	25	40	58
1"	25	33	40	65
1 1/4"	32	33	47.5	69
Tolerance : 1/4"~1 1/4" a b-0.6mm				

Casting Threaded Fitting MFR STD 31-0A

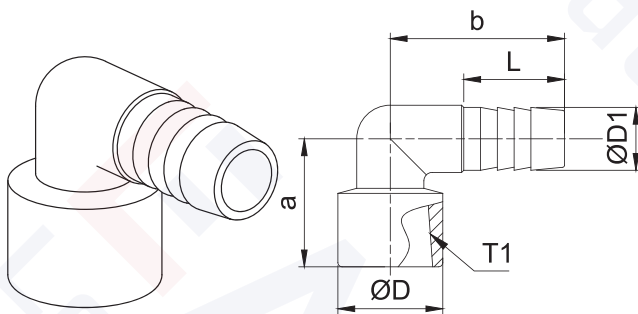
Hexagon Hose Nipple F Code:31-0A610



Size T1	DN	ØD	L	L2	SW
1/8"	6	6	36	20	14
1/8"	6	6	36	20	14
1/4"	8	8	41	24	17
1/4"	8	10	43	26	17
1/4"	8	12	45	28	17
3/8"	10	8	43	25	21
3/8"	10	10	45	27	21
3/8"	10	12	47	29	21
3/8"	10	15	49	31	21
3/8"	10	16	50	32	21
1/2"	15	8	47	27	25
1/2"	15	10	49	29	25
1/2"	15	12	51	31	25
1/2"	15	13	52	32	25
1/2"	15	15	54	34	25
1/2"	15	20	58	38	25
3/4"	20	15	56	35	31
3/4"	20	20	60	39	31
3/4"	20	25	63	42	31
1"	25	15	60.5	36	38
1"	25	20	64.5	40	38
1"	25	25	67	43	38
1"	25	33	74.5	50	38
1 1/4"	32	33	78	52	47
1 1/2"	40	38	81	54	53
1 1/2"	40	40.5	82	55	53
2"	50	51	89.5	58.5	53
2"	50	52	90	59	65
2"	50	52.5	90	59	65
2 1/2"	65	64.5	100	65	82
3"	80	77	102	65	95.5

Tolerance : 1/8"~2 1/2" L-1.2mm
Polygon Type : Hexagon 1/8"~3/4"、Octagon 1"~3"

Hexagon Elbow Hose Nipple F Code:31-0A611

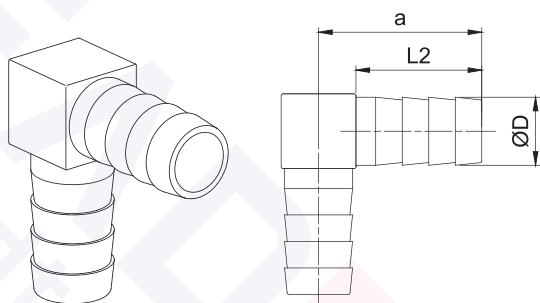


Size T1	DN	ØD	ØD1	a	b	L2
1/4"	8	17	8	22.5	32.5	20
1/4"	8	17	10	23.5	33.5	21
1/4"	8	17	12	24.5	35.5	23
3/8"	10	21	8	24	35	20
3/8"	10	21	10	25	36	21
3/8"	10	21	12	26	38	23
3/8"	10	21	15	27.5	40	25
1/2"	15	25	8	26.5	37.5	20
1/2"	15	25	10	27.5	38.5	21
1/2"	15	25	12	28.5	40.5	23
1/2"	15	25	15	30	42.5	25
1/2"	15	25	16	30.5	42.5	25
1/2"	15	25	20	32.5	44.5	27

Tolerance : 1/4"~1/2" a b-0.6mm

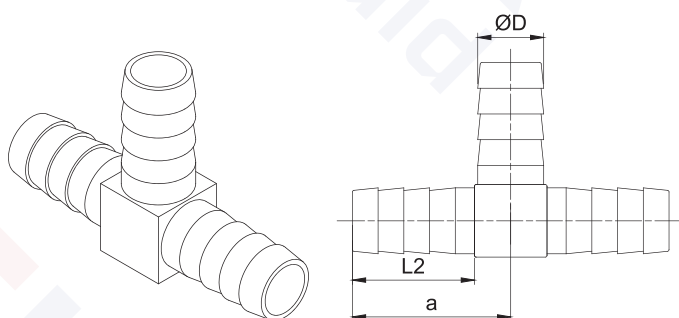
Casting Threaded Fitting MFR STD 31-0A

Elbow Hose Joint Code:31-0A620



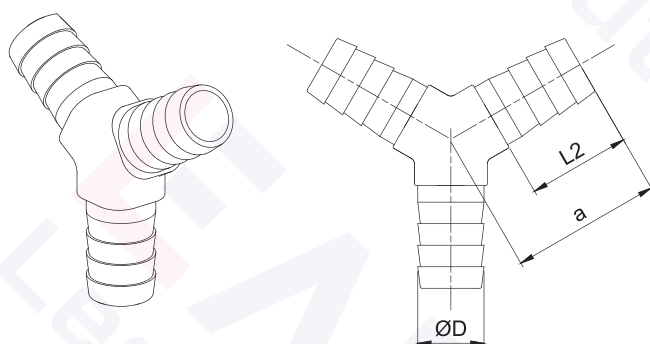
ØD	a	L2
6	18	14
8	23	18.5
10	32	26.5
12	33	26.5
13	37	29.5
15	39	31.5
16	40.5	31.5
19	47.5	37
20	48	37
25	54.5	41
32	66	48.5
Tolerance : 6~32 a-0.6mm		

T-Type Hose Joint Code:31-0A621



ØD	a	L2
4	18	14
6	18	14
8	23	18.5
10	32	26.5
12	33	26.5
13	37	29.5
15	39	31.5
16	40.5	31.5
19	47.5	37
20	48	37
25	54.5	41
32	66	48.5
38	64.5	44
51	77	50
Tolerance : 4~32 a-0.6mm		

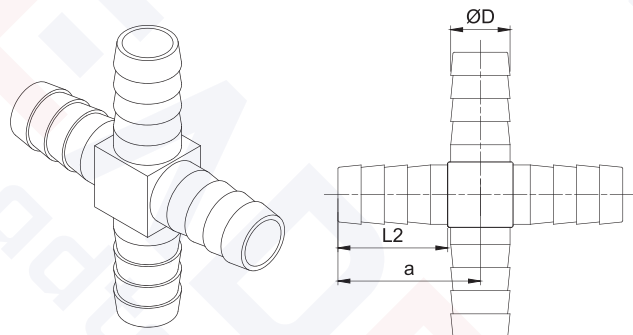
Y-Type Hose Joint Code:31-0A622



ØD	a	L2
4	18	14
6	18	14
8	23	18.5
10	32	26.5
12	33	26.5
13	37	29.5
15	39	31.5
16	40.5	31.5
19	47.5	37
20	48	37
25	54.5	41
32	66	48.5
51	80	60
Tolerance : 4~32 a-0.6mm		

Casting Threaded Fitting MFR STD 31-0A

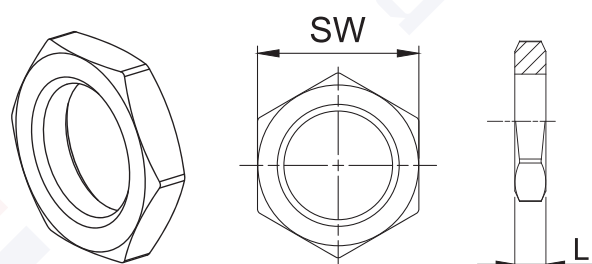
Cross Hose Joint Code:31-0A623



ØD	a	L2
4	18	14
6	18	14
8	23	18.5
10	32	26.5
12	33	26.5
13	37	29.5
15	39	31.5
16	40.5	31.5
19	47.5	37
20	48	37
25	54.5	41
32	66	48.5

Tolerance : 4~32 a-0.6mm

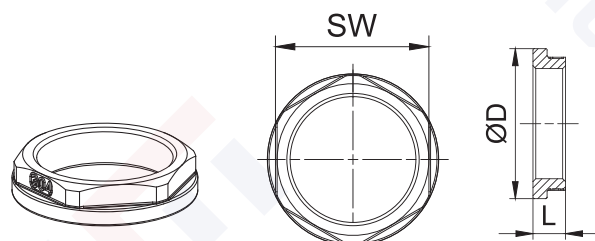
Hexagon Nut Code:31-0A700



Size	DN	L	SW
1/8"	6	6	19
1/4"	8	6	21
3/8"	10	7	25
1/2"	15	8	30
3/4"	20	9	37
1"	25	10	45
1 1/4"	32	11	53
1 1/2"	40	12	60
2"	50	13	72
2 1/2"	65	15	89
3"	80	17	105
4"	100	19	132

Tolerance : 1/8"~2" L±0.3mm 、2 1/2"~4" L±0.6mm

Hexagon Round Edge Nut Code:31-0A701

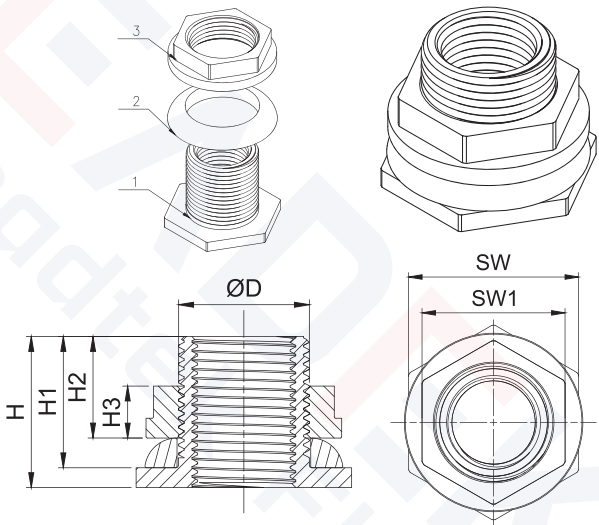


Size	DN	ØD	L	SW
3/8"	10	28	8.5	25
1/2"	15	32	9	30
3/4"	20	38	10.5	37
1"	25	45	11	45
1 1/4"	32	53	11.5	53
1 1/2"	40	60	13	60
2"	50	74	14	72

Tolerance : 3/8"~2" L-0.6mm

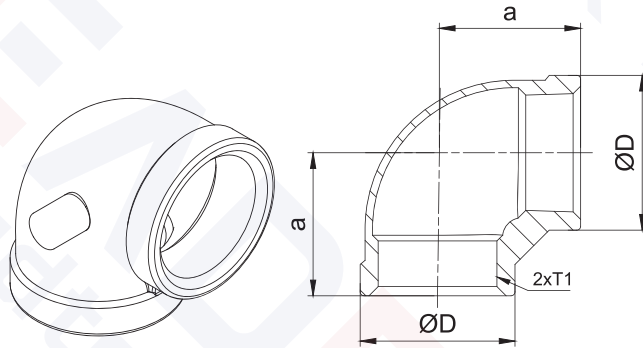
Casting Threaded Fitting MFR STD 31-0A

Tank Fitting
Code:31-0A710



Size	DN	H	H1	H2	H3	D	SW	SW1
1/4"	8	27	23	19	8.5	18	28	21
3/8"	10	27	23	19	9	21	32	25
1/2"	15	30.5	26.5	20.5	10.5	26	38	32
3/4"	20	30	25	19	11	32.5	45	38
1"	25	34	29	22	13	39	52.5	45
1 1/4"	32	34	29	22	13	47	62	54
1 1/2"	40	35	30	23	14	53	68	60
2"	50	37	31.5	24.5	15.5	66.5	81	72.5
Tolerance : 1/4"~2" L-0.6mm								

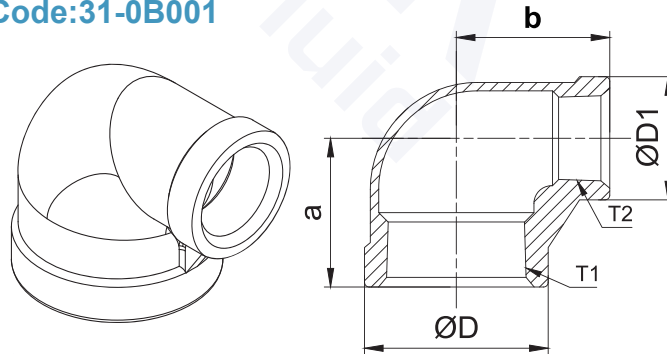
90° Elbow F-F 4144 Code:31-0B000



Size T1	DN	ØD	a
1/8"	6	14.5	17
1/4"	8	18	19
3/8"	10	21.5	23
1/2"	15	26	27
3/4"	20	31.5	32
1"	25	39	38
1 1/4"	32	48.5	45
1 1/2"	40	55	48
2"	50	67.5	57
2 1/2"	65	84	69
3"	80	98	78
4"	100	124	96

Tolerance : 1/8"~2" a+0.5mm 、 2 1/2"~4" a+1mm

90° Reducing Elbow F-F 4144 Code:31-0B001



Size T1xT2	DN	ØD	ØD1	a	b
1/4"x1/8"	8x6	18	14.5	18	18
3/8"x1/8"	10x6	21.5	14.5	19	20
3/8"x1/4"	10x8	21.5	18	20	22
1/2"x1/8"	15x6	26	14.5	23	22
1/2"x1/4"	15x8	26	18	24	24
1/2"x3/8"	15x10	26	21.5	26	25
3/4"x1/4"	20x8	31.5	18	26	27
3/4"x3/8"	20x10	31.5	21.5	28	28
3/4"x1/2"	20x15	31.5	26	29	30
1"x1/4"	25x8	39	18	29	30
1"x3/8"	25x10	39	21.5	31	31
1"x1/2"	25x15	39	26	32	33
1"x3/4"	25x20	39	31.5	34	35
1 1/4"x3/8"	32x10	48.5	21.5	34	39
1 1/4"x1/2"	32x15	48.5	26	34	39
1 1/4"x3/4"	32x20	48.5	31.5	38	40
1 1/4"x1"	32x25	48.5	39	40	42
1 1/2"x3/8"	40x10	55	21.5	35	42
1 1/2"x1/2"	40x15	55	26	35	42
1 1/2"x3/4"	40x20	55	31.5	38	43
1 1/2"x1"	40x25	55	31.5	41	45
1 1/2"x1 1/4"	40x32	55	39	45	48

Tolerance : 1/8"~2" a+0.5mm 、 2 1/2"~4" a+1mm

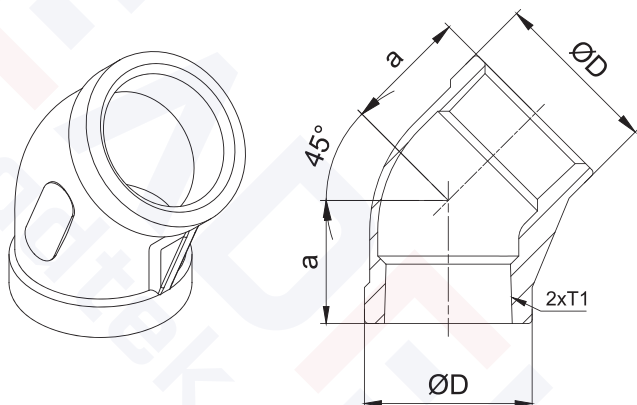
Size T1xT2	DN	ØD	ØD1	a	b
2"x1/2"	50x15	67.5	26	36	48
2"x3/4"	50x20	67.5	31.5	40	49
2"x1"	50x25	67.5	39	43	51
2"x1 1/4"	50x32	67.5	31.5	48	54
2"x1 1/2"	50x40	67.5	39	52	55
2 1/2"x1/2"	65x15	84	26	47	60
2 1/2"x3/4"	65x20	84	31.5	47	60
2 1/2"x1"	65x25	84	39	47	60
2 1/2"x1 1/4"	65x32	84	31.5	52	61
2 1/2"x1 1/2"	65x40	84	55	55	62
2 1/2"x2"	65x50	84	67.5	60	65
3"x1"	80x25	98	39	54	68
3"x1 1/4"	80x32	98	31.5	54	68
3"x1 1/2"	80x40	98	55	57	69
3"x2"	80x50	98	67.5	62	72
3"x2 1/2"	80x65	98	84	72	75
4"x1 1/4"	100x32	124	31.5	60	83
4"x1 1/2"	100x40	124	55	63	84
4"x2"	100x50	124	67.5	68	87
4"x2 1/2"	100x65	124	84	78	90
4"x3"	100x80	124	98	83	91

Tolerance : 1/8"~2" a+0.5mm 、 2 1/2"~4" a+1mm

Casting Threaded Fitting ISO 4144 31-0B

45° Elbow F-F 4144

Code:31-0B002

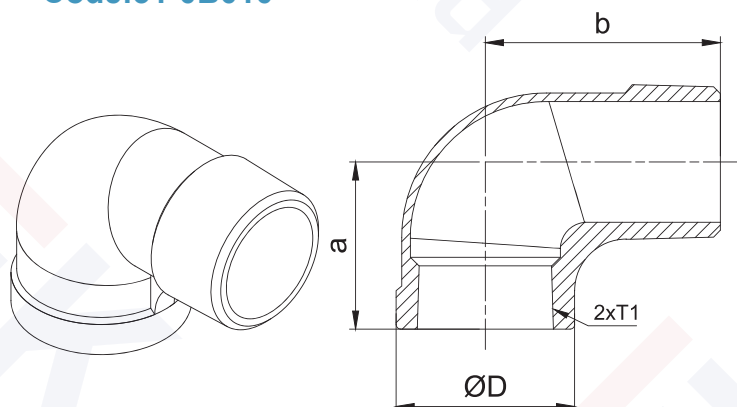


Size T1	DN	ØD	ØD1	a
1/8"	6	14.5	13	16
1/4"	8	18	16.5	17
3/8"	10	21.5	20	19
1/2"	15	26	24.5	21
3/4"	20	31.5	30	25
1"	25	39	37.5	29
1 1/4"	32	48.5	46.5	33
1 1/2"	40	55	53	37
2"	50	67.5	65.5	42
2 1/2"	65	84	82	49
3"	80	98	95.5	54
4"	100	124	121.5	64

Tolerance : 1/8"~2" a+0.5mm 、2 1/2"~4" a+1mm

90° Street Elbow 4144

Code:31-0B010

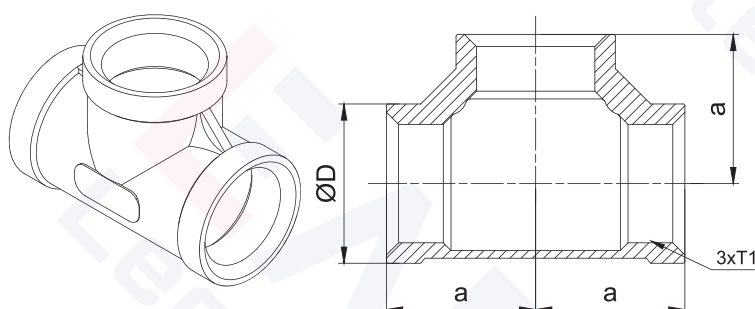


Size T1	DN	ØD	a	b
1/8"	6	14.5	17	26
1/4"	8	18	19	27
3/8"	10	21.5	23	29
1/2"	15	26	27	35
3/4"	20	31.5	32	40
1"	25	39	38	46
1 1/4"	32	48.5	45	54
1 1/2"	40	55	48	57
2"	50	67.5	57	70
2 1/2"	65	84	69	83
3"	80	98	78	94
4"	100	124	97	115

Tolerance : 1/8"~2" a b+0.5mm 、2 1/2"~4" a b+1mm

Tee F-F-F 4144

Code:31-0B100



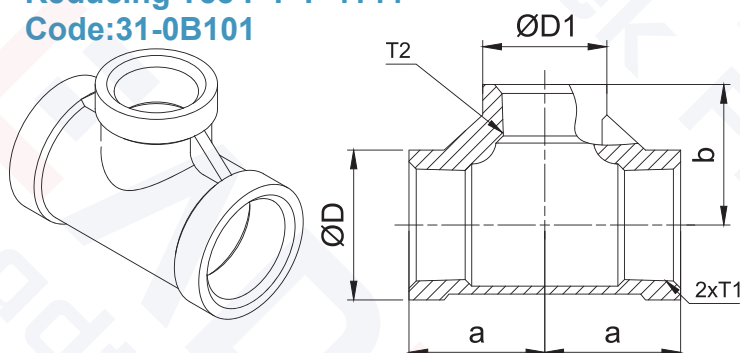
Size T1	DN	ØD	a
1/8"	6	14.5	17
1/4"	8	18	19
3/8"	10	21.5	23
1/2"	15	26	27
3/4"	20	31.5	32
1"	25	39	38
1 1/4"	32	48.5	45
1 1/2"	40	55	48
2"	50	67.5	57
2 1/2"	65	84	69
3"	80	98	78
4"	100	124	97

Tolerance : 1/8"~2" a+0.5mm 、2 1/2"~4" a+1mm

Casting Threaded Fitting ISO 4144 31-0B

Reducing Tee F-F-F 4144

Code:31-0B101



Size T1xT2	DN	ØD	ØD1	a	b
1/4"x1/8"	8x6	18	16.5	18	18
3/8"x1/8"	10x6	21.5	20	19	20
3/8"x1/4"	10x8	21.5	20	20	22
1/2"x1/8"	15x6	26	24.5	23	22
1/2"x1/4"	15x8	26	24.5	24	24
1/2"x3/8"	15x10	26	24.5	26	25
3/4"x1/4"	20x8	32	30	26	27
3/4"x3/8"	20x10	31.5	30	28	28
3/4"x1/2"	20x15	31.5	30	29	30
1"x1/4"	25x8	39	37.5	29	30
1"x3/8"	25x10	39	37.5	31	31
1"x1/2"	25x15	39	37.5	32	33
1"x3/4"	25x20	39	37.5	34	35
1 1/4"x3/8"	32x10	48.5	46.5	34	39
1 1/4"x1/2"	32x15	48.5	46.5	34	39
1 1/4"x3/4"	32x20	48.5	46.5	38	40
1 1/4"x1"	32x25	48.5	46.5	40	42
1 1/2"x3/8"	40x10	55	53	35	42
1 1/2"x1/2"	40x15	55	53	35	42
1 1/2"x3/4"	40x20	55	53	38	43
1 1/2"x1"	40x25	55	53	41	45
1 1/2"x1 1/4"	40x32	55	53	45	48

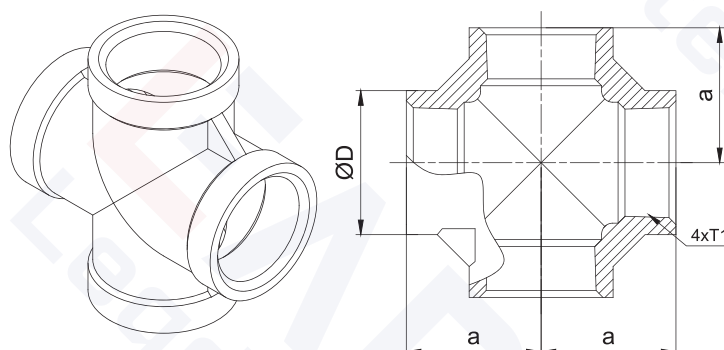
Tolerance : 1/8"~2" a+0.5mm 、2 1/2"~4" a+1mm

Size T1xT2	DN	ØD	ØD1	a	b
2"x1/2"	50x15	67.5	65.5	36	48
2"x3/4"	50x20	67.5	65.5	40	49
2"x1"	50x25	67.5	65.5	43	51
2"x1 1/4"	50x32	67.5	65.5	48	54
2"x1 1/2"	50x40	67.5	65.5	52	55
2 1/2"x1/2"	65x15	84	82	47	60
2 1/2"x3/4"	65x20	84	82	47	60
2 1/2"x1"	65x25	84	82	47	60
2 1/2"x1 1/4"	65x32	84	82	52	61
2 1/2"x1 1/2"	65x40	84	82	55	62
2 1/2"x2"	65x50	84	82	60	65
3"x1"	80x25	98	95.5	54	68
3"x1 1/4"	80x32	98	95.5	54	68
3"x1 1/2"	80x40	98	95.5	57	69
3"x2"	80x50	98	95.5	62	72
3"x2 1/2"	80x65	98	95.5	72	75
4"x1 1/4"	100x32	124	121.5	60	83
4"x1 1/2"	100x40	124	121.5	63	84
4"x2"	100x50	124	121.5	68	87
4"x2 1/2"	100x65	124	121.5	78	90
4"x3"	100x80	124	121.5	83	91

Tolerance : 1/8"~2" a+0.5mm 、2 1/2"~4" a+1mm

Cross F-F-F-F 4144

Code:31-0B200

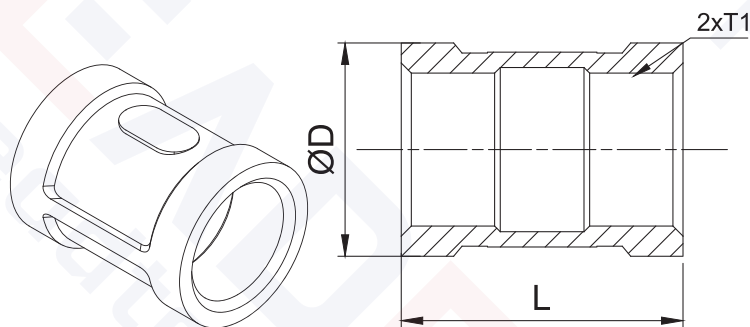


Size T1	DN	ØD	a
1/8"	6	14.5	17
1/4"	8	18	19
3/8"	10	21.5	23
1/2"	15	26	27
3/4"	20	31.5	32
1"	25	39	38
1 1/4"	32	48.5	45
1 1/2"	40	55	48
2"	50	67.5	57
2 1/2"	65	84	69
3"	80	98	78
4"	100	124	97

Tolerance : 1/8"~2" a+0.5mm 、2 1/2"~4" a+1mm

Casting Threaded Fitting ISO 4144 31-0B

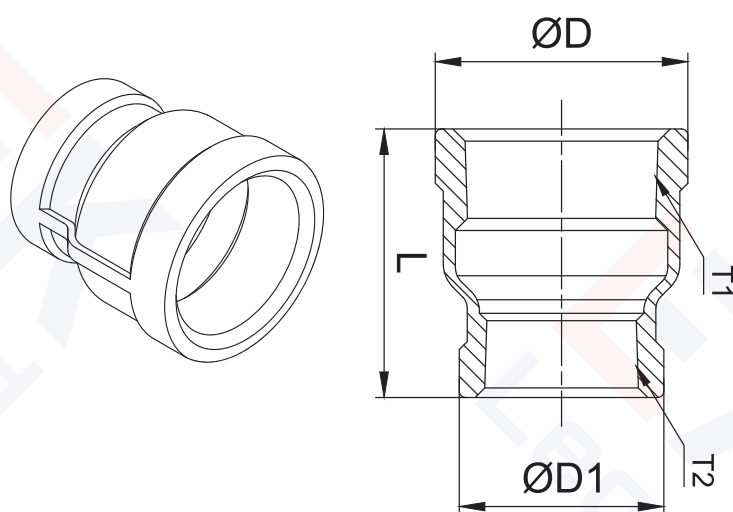
Socket Banded F-F 4144 Code:31-0B300



Size T1	DN	ØD	L
1/8"	6	14.5	17
1/4"	8	18	24
3/8"	10	21.5	25
1/2"	15	26	32
3/4"	20	31.5	35
1"	25	39	41
1 1/4"	32	48.5	45
1 1/2"	40	55	45
2"	50	67.5	54
2 1/2"	65	84	63
3"	80	98	69
4"	100	124	81

Tolerance : 1/8"~2" L+0.5mm 、2 1/2"~4" L+1mm

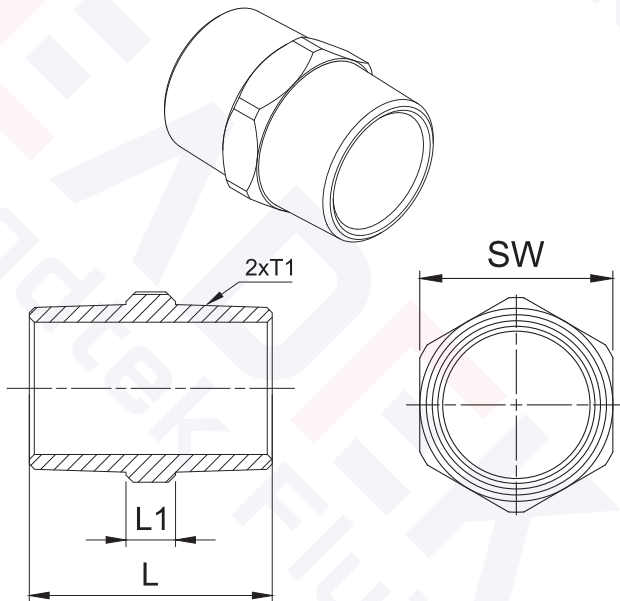
Reducing Socket F-F 4144 Code:31-0B301



Size T1xT2	DN	ØD	ØD1	L
1/4"x1/8"	8x6	18	16.5	25
3/8"x1/8"	10x6	21.5	20	26
3/8"x1/4"	10x8	21.5	20	26
1/2"x1/4"	15x8	26	24.5	34
1/2"x3/8"	15x10	26	24.5	34
3/4"x3/8"	20x10	31.5	30	36
3/4"x1/2"	20x15	31.5	30	36
1"x1/2"	25x15	39	37.5	42
1"x3/4"	25x20	39	37.5	42
1 1/4"x3/4"	32x20	48.5	46.5	48
1 1/4"x1"	32x25	48.5	46.5	48
1 1/2"x3/4"	40x25	55	53	52
1 1/2"x1"	40x32	55	53	52
2"x3/4"	50x32	67.5	65.5	58
2"x1"	50x40	67.5	65.5	58
2 1/2"x1 1/2"	65x40	84	82	65
2 1/2"x2"	65x50	84	82	65
3"x2"	80x50	98	95.5	72
3"x2 1/2"	80x65	98	95.5	72
4"x2 1/2"	100x65	124	121.5	94
4"x3"	100x80	124	121.5	94

Tolerance : 1/8"~2" L+1mm 、2 1/2"~4" L+2mm

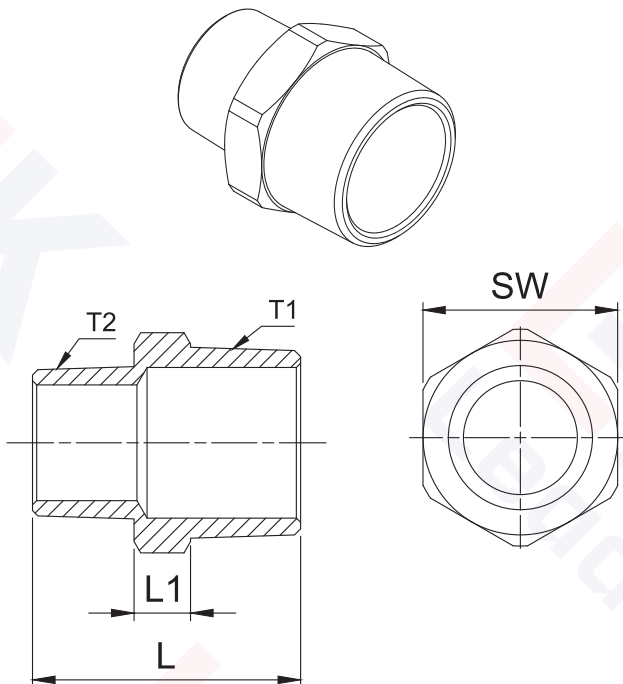
Hexagon Nipple M-M 4144 Code:31-0B310



Size T1	DN	L	L1	SW
1/8"	6	20	4	12
1/4"	8	25	4	15
3/8"	10	27	5	19
1/2"	15	34	5	23
3/4"	20	36.5	5.5	29
1"	25	42	6	36
1 1/4"	32	47.5	6.5	45
1 1/2"	40	47.5	6.5	51
2"	50	57	7	63
2 1/2"	65	54	7	80
3"	80	67.5	7.5	93
4"	100	80	8	119

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~2" 、
Decagon 2 1/2"~4"

Reducing Hexagon Nipple M-M 4144 Code:31-0B311

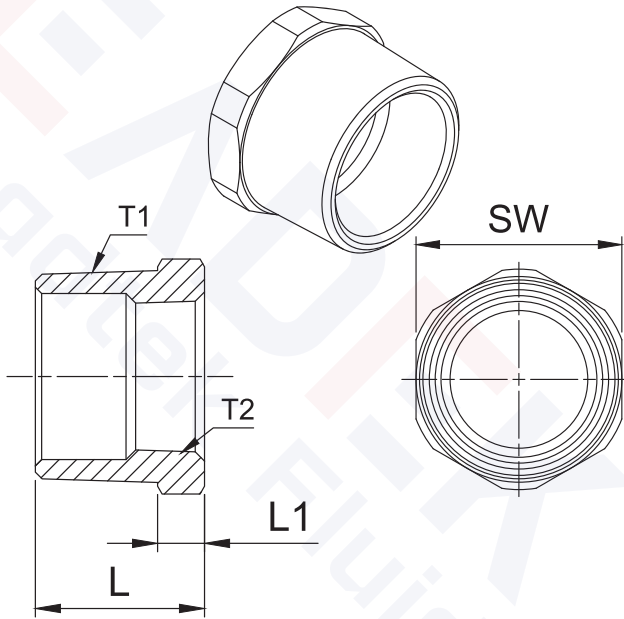


Size T1xT2	DN	L	L1	SW
1/4"x1/8"	8x6	22.5	4	15
3/8"x1/8"	10x6	24	5	19
3/8"x1/4"	10x8	26.5	5	19
1/2"x1/4"	15x8	30	5	23
1/2"x3/8"	15x10	30.5	5	23
3/4"x3/8"	20x10	32	5.5	29
3/4"x1/2"	20x15	35.5	5.5	29
1"x1/2"	25x15	38.5	6	36
1"x3/4"	25x20	39.5	6	36
1 1/4"x3/4"	32x20	42.5	6.5	45
1 1/4"x1"	32x25	45	6.5	45
1 1/2"x3/4"	40x25	45	6.5	51
1 1/2"x1"	40x32	47.5	6.5	51
2"x3/4"	50x32	52.5	7	63
2"x1"	50x40	52.5	7	63
2 1/2"x1 1/2"	65x40	54.5	7	80
2 1/2"x2"	65x50	59	7	80
3"x2"	80x50	62.5	7.5	93
3"x2 1/2"	80x65	64.5	7.5	93
4"x2 1/2"	100x65	71	8	119
4"x3"	100x80	74	8	119

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~2" 、
Decagon 2 1/2"~4"

Casting Threaded Fitting ISO 4144 31-0B

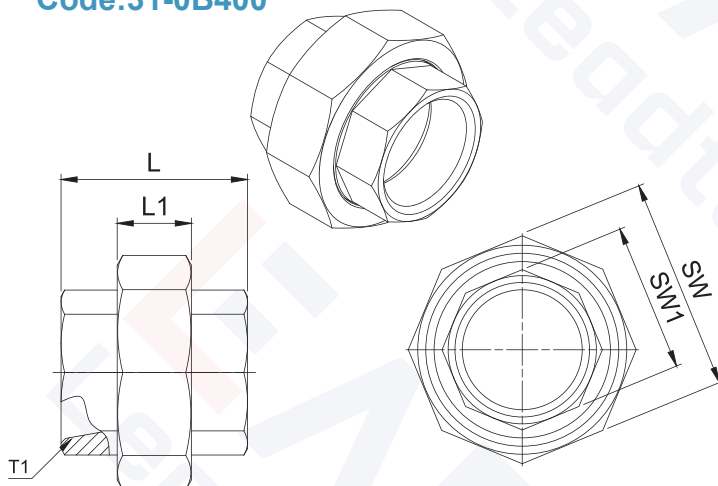
Reducing Hexagon Nipple M-M 4144 Code:31-0B320



Size T1xT2	DN	L	L1	SW
1/4"x1/8"	8x6	14.5	4	15
3/8"x1/8"	10x6	16	5	19
3/8"x1/4"	10x8	16	5	19
1/2"x1/4"	15x8	19.5	5	23
1/2"x3/8"	15x10	19.5	5	23
3/4"x3/8"	20x10	21	5.5	29
3/4"x1/2"	20x15	21	5.5	29
1"x1/2"	25x15	24	6	36
1"x3/4"	25x20	24	6	36
1 1/4"x3/4"	32x20	27	6.5	45
1 1/4"x1"	32x25	27	6.5	45
1 1/2"x3/4"	40x25	27	6.5	51
1 1/2"x1"	40x32	27	6.5	51
2"x3/4"	50x32	32	7	63
2"x1"	50x40	32	7	63
2 1/2"x1 1/2"	65x40	34	7	80
2 1/2"x2"	65x50	34	7	80
3"x2"	80x50	37.5	7.5	93
3"x2 1/2"	80x65	37.5	7.5	93
4"x2 1/2"	100x65	44	8	119
4"x3"	100x80	44	8	119

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
 Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~2" 、
 Decagon 2 1/2"~4"

Union Flat Seal PTFE F-F 4144 Code:31-0B400



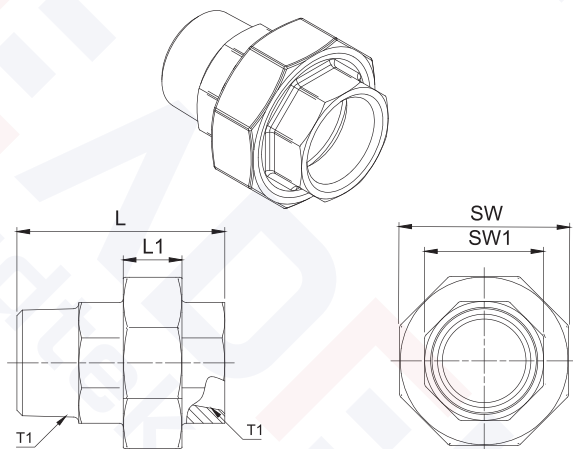
Size T1	DN	L	L1	SW	SW1
1/8"	6	30	8	14	15
1/4"	8	33.5	10.5	17	18
3/8"	10	36.5	11	21	22
1/2"	15	39.5	14.5	25	27
3/4"	20	42.5	15.5	31	32
1"	25	50	18	38	40
1 1/4"	32	54	20.5	47	49
1 1/2"	40	58	20.5	53	55
2"	50	65	25	65	67
2 1/2"	65	75	27	81	84
3"	80	83	30	95	98
4"	100	110	36	121	125

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Casting Threaded Fitting ISO 4144 31-0B

Union Flat Seal PTFE M-F 4144

Code:31-0B410

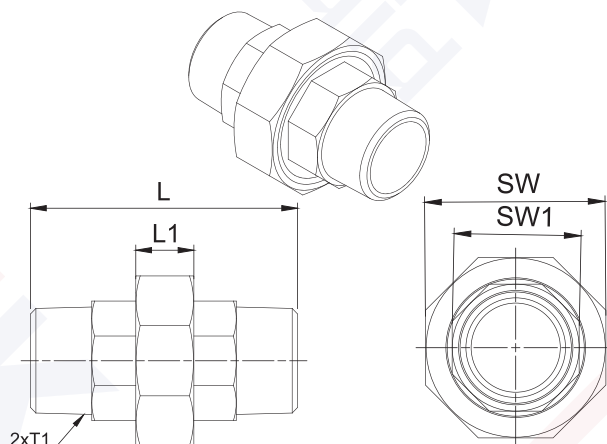


Size T1	DN	L	L1	SW	SW1
1/8"	6	43	8	14	15
1/4"	8	47	10.5	17	18
3/8"	10	51.5	11	21	22
1/2"	15	55.5	14.5	25	27
3/4"	20	59.5	15.5	31	32
1"	25	70	18	38	40
1 1/4"	32	76	20.5	47	49
1 1/2"	40	82	20.5	53	55
2"	50	92	25	65	67
2 1/2"	65	104.5	27	81	84
3"	80	114	30	95	98
4"	100	144	36	121	125

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Union Flat Seal PTFE M-M 4144

Code:31-0B420

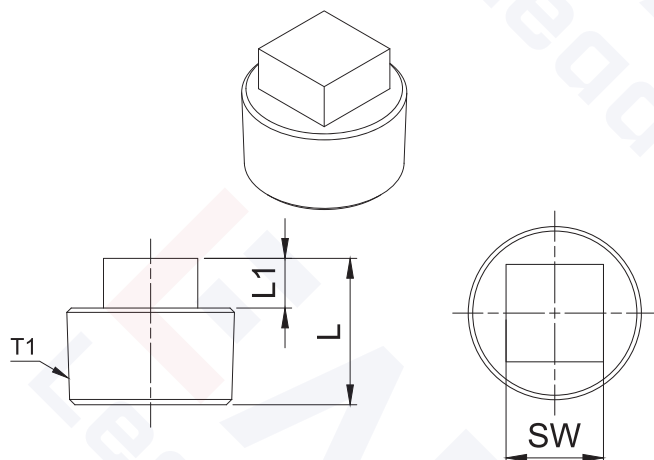


Size T1	DN	L	L1	SW	SW1
1/8"	6	56	8	14	15
1/4"	8	60.5	10.5	17	18
3/8"	10	65.5	11	21	22
1/2"	15	71.5	14.5	25	27
3/4"	20	76.5	15.5	31	32
1"	25	90	18	38	40
1 1/4"	32	98	20.5	47	49
1 1/2"	40	106	20.5	53	55
2"	50	119	25	65	67
2 1/2"	65	134	27	81	84
3"	80	145	30	95	98
4"	100	178	36	121	125

Tolerance : 1/8"~2" L+1mm 、 2 1/2"~4" L+2mm
 Polygon Type : Octagon 1/8"~2" 、 Decagon 2 1/2"~4"

Square Plug M 4144

Code:31-0B500

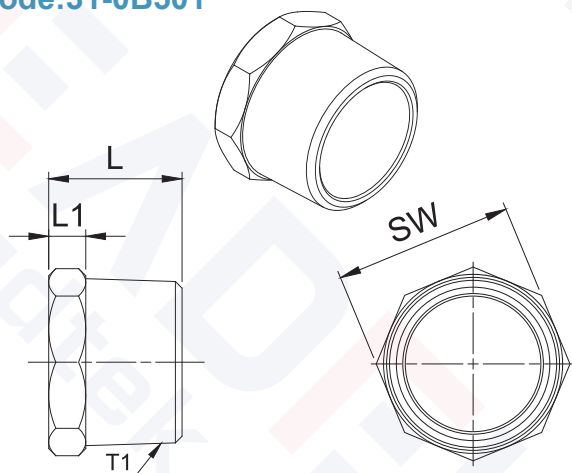


Size T1	DN	L	L1	SW
1/8"	6	11	5	6
1/4"	8	13.5	5	9
3/8"	10	15	6	11
1/2"	15	18.5	7	13
3/4"	20	21	8	16
1"	25	25.5	11	19
1 1/4"	32	28	11	21
1 1/2"	40	29	12	24
2"	50	34.5	13	29
2 1/2"	65	38.5	15	39
3"	80	41.5	15	44
4"	100	51.5	19	58

Tolerance : 1/8"~2" L+0.5mm 、 2 1/2"~4" L+1mm

Casting Threaded Fitting ISO 4144 31-0B

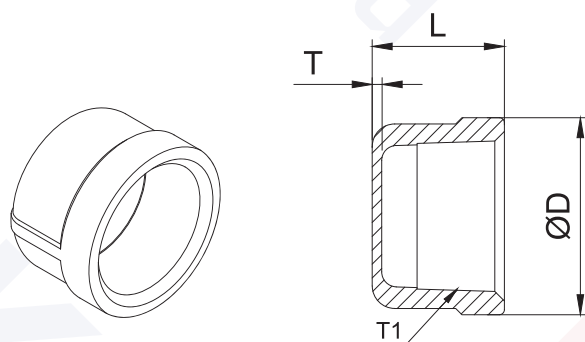
Hexagon Plug M 4144 Code:31-0B501



Size T1	DN	L	L1	SW
1/8"	6	12	4	12
1/4"	8	14.5	4	15
3/8"	10	16	5	19
1/2"	15	19.5	5	23
3/4"	20	21	5.5	29
1"	25	23	6	36
1 1/4"	32	27	6.5	45
1 1/2"	40	27	6.5	51
2"	50	32	7	63
2 1/2"	65	32	7	80
3"	80	37.5	7.5	93
4"	100	44	8	119

Tolerance : 1/8"~2" L+0.5mm 、 2 1/2"~4" L+1mm
 Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~2" 、
 Decagon 2 1/2"~4"

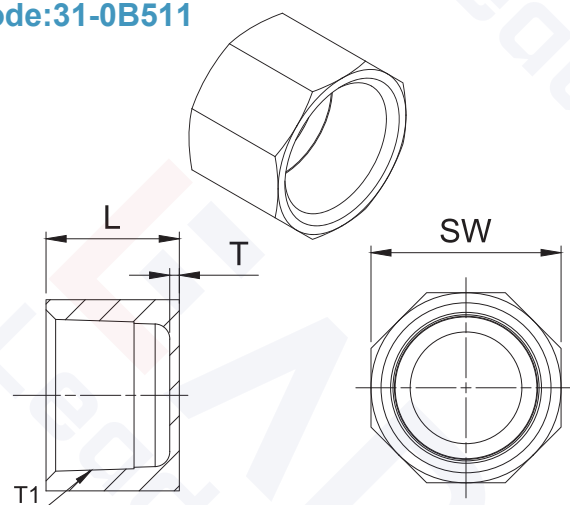
Round Cap F 4144 Code:31-0B510



Size T1	DN	ØD	L	T
1/8"	6	14.5	12.5	1.5
1/4"	8	18	16	1.5
3/8"	10	21.5	16.5	1.5
1/2"	15	26	21	1.6
3/4"	20	31.5	22.5	1.7
1"	25	39	26	1.9
1 1/4"	32	48.5	29	2.2
1 1/2"	40	55	29	2.4
2"	50	67.5	33.5	2.7
2 1/2"	65	84	38.5	3.2
3"	80	98	42	3.6
4"	100	124	48.5	4.1

Tolerance : 1/8"~2" L+0.5mm 、 2 1/2"~4" L+1mm

Hexagon Cap F 4144 Code:31-0B511

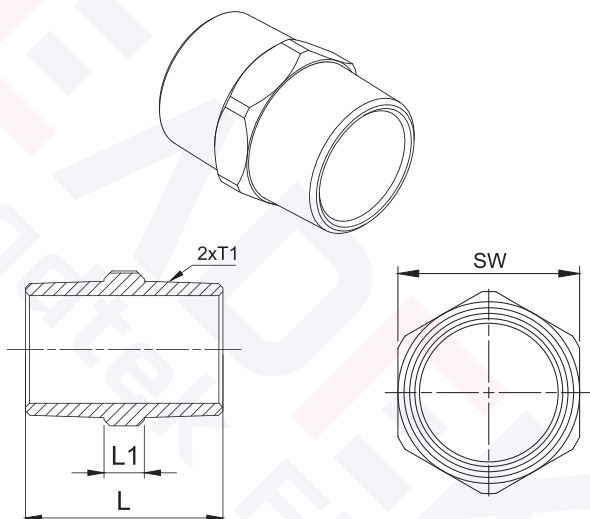


Size T1	DN	L	T	SW
1/8"	6	10.5	1.5	15
1/4"	8	14	1.5	18
3/8"	10	14.5	1.5	22
1/2"	15	18.5	1.6	27
3/4"	20	19.5	1.7	32
1"	25	22.5	1.9	40
1 1/4"	32	25.5	2.2	49
1 1/2"	40	25.5	2.4	55
2"	50	30	2.7	67
2 1/2"	65	35	3.2	84
3"	80	38.5	3.6	98
4"	100	45	4.1	125

Tolerance : 1/8"~2" L+0.5mm 、 2 1/2"~4" L+1mm
 Polygon Type : Hexagon 1/8"~3/4" 、 Octagon 1"~2" 、
 Decagon 2 1/2"~4"

Forging Threaded Fitting MFR STD 31-1A

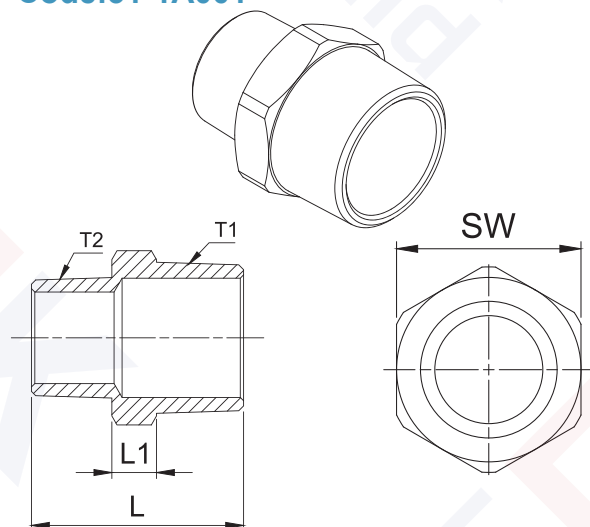
Forging Hex Nipple M-M Code:31-1A000



Size T1	DN	L	L1	SW
1/8"	6	31	6	11
1/4"	8	34	6	14
3/8"	10	36	7	17.5
1/2"	15	39	7	21.5
3/4"	20	42	8	27
1"	25	47	8	34
1 1/4"	32	53	9	42
1 1/2"	40	53	9	48
2"	50	63	10	60
2 1/2"	65	73	10	76

Tolerance : 1/8"~2 1/2" L±0.5mm
Polygon Type : Hexagon 1/8"~1" 、Octagon 1"~2 1/2"

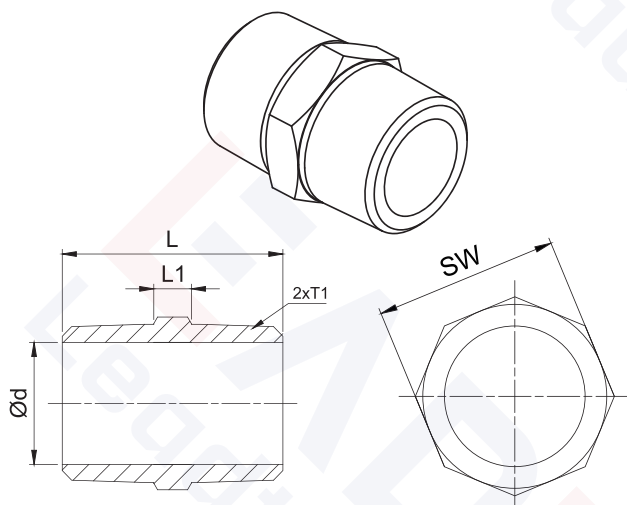
Forging Reducing Hex Nipple M-M Code:31-1A001



Size T1xT2	DN	L	L1	L2	SW
1/4"x1/8"	8x6	32.5	14	14	14
3/8"x1/8"	10x6	34	14.5	14.5	19.5
3/8"x1/4"	10x8	37	16	14.5	19.5
1/2"x1/4"	15x8	37	16	16	21.5
1/2"x3/8"	15x10	37.5	16	16	21.5
3/4"x1/4"	20x8	39	17	17	27
3/4"x3/8"	20x10	39.5	17	17	27
3/4"x1/2"	20x15	41	17	17	27
1"x1/4"	25x8	41.5	19.5	19.5	34
1"x3/8"	25x10	42	19.5	19.5	34
1"x1/2"	25x15	43.5	19.5	19.5	34
1"x3/4"	25x20	44.5	19.5	19.5	34

Tolerance : 1/8"~1" L±0.5mm
Polygon Type : Hexagon 1/4"~3/8" 、Octagon 1"

Forging Hex Nipple M-M LTH Type Code:31-1A002

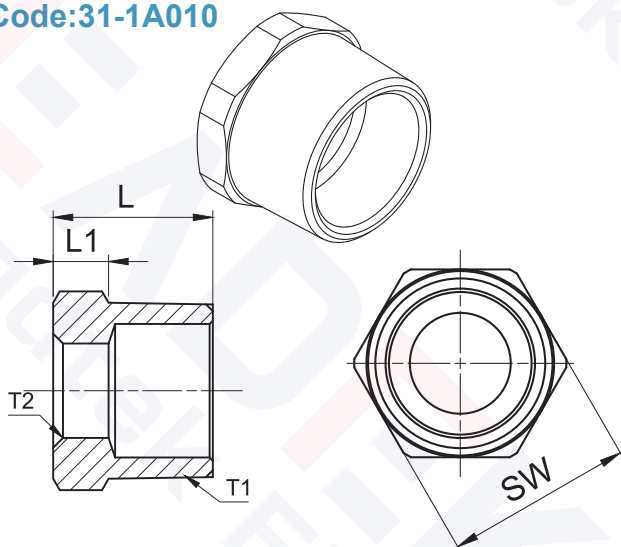


Size T1	DN	L	L1	Ød	SW
1/2"	15	39	16	14	22
3/4"	20	42	17	19	28
1"	25	47	19.5	24	34
1 1/4"	32	53	22	32	42
1 1/2"	40	53	22	38	48
2"	50	63	26.5	48	60

Tolerance : 1/2"~2" L±0.5mm
Polygon Type : Hexagon 1/2"~3/4" 、Octagon 1"~2"

Forging Threaded Fitting MFR STD 31-1A

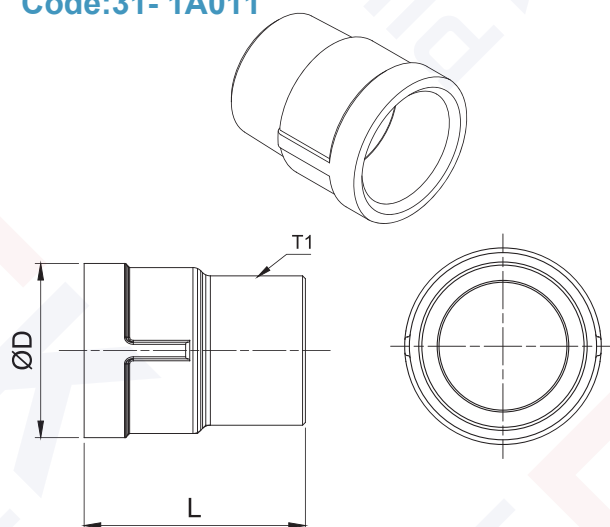
Forging Hex Bushing M-F Code:31-1A010



Size T1xT2	DN	L	L1	SW
1/4"x1/8"	8x6	20	6	14
3/8"x1/8"	10x6	21	7	17.5
3/8"x1/4"	10x8	21	7	17.5
1/2"x1/8"	15x6	22.5	7	21.5
1/2"x1/4"	15x8	22.5	7	21.5
1/2"x3/8"	15x10	22.5	7	21.5
3/4"x1/4"	20x8	24	8	27
3/4"x3/8"	20x10	24	8	27
3/4"x1/2"	20x15	24	8	27
1"x1/2"	25x15	27	8	34
1"x3/4"	25x20	27	8	27

Tolerance : 1/8"~1" L±0.5mm
Polygon Type : Hexagon 1/8"~1/2"、Octagon 1"

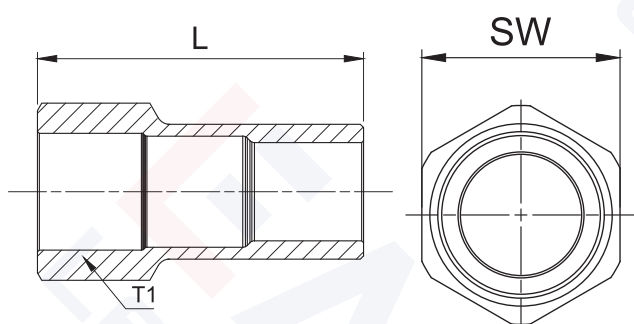
Round Adaptor M-F Code:31- 1A011



Size T1	DN	ØD	L
1/4"	8	18	31
3/8"	10	21.5	32
1/2"	15	26	35
3/4"	20	31.5	37
1"	25	39	43

Tolerance : 1/8"~1" L±0.5mm

Hex Adaptor M-F Code:31-1A012

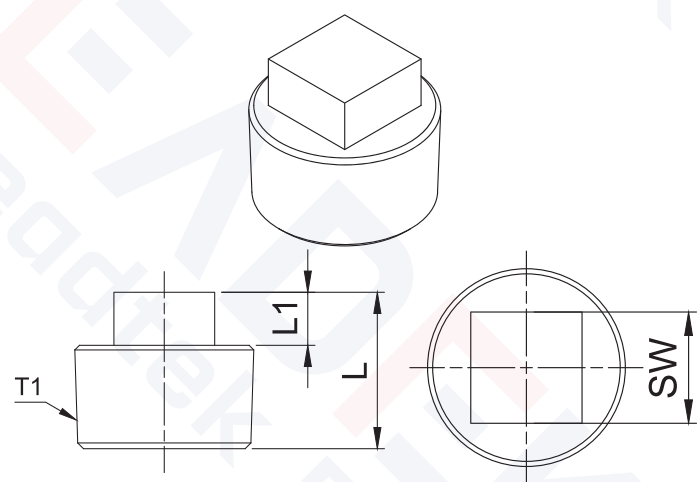


Size T1xL	L	SW
1/2"xL40	40	25
1/2"xL50	50	25
1/2"xL70	70	25
1/2"xL100	100	25

Tolerance : 1/2" L±1mm

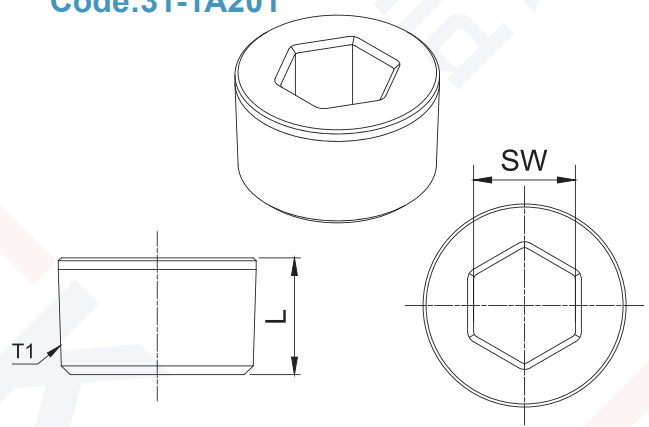
Forging Threaded Fitting MFR STD 31-1A

Forging Squar Plug M Code:31-1A200



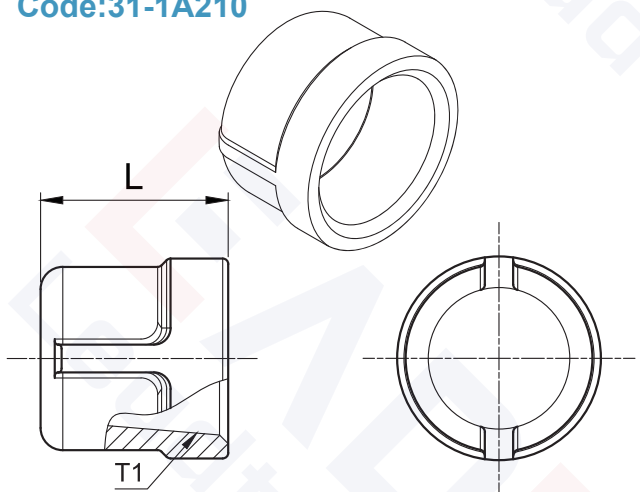
Size T1	DN	L	L1	SW
1/8"	6	18.5	6	6
1/4"	8	24	7	8
3/8"	10	22.5	7	10
1/2"	15	24	8	12
3/4"	20	26	9	14
1"	25	28.5	10	19
Tolerance : 1/8"~1" L±0.5mm				

ForgingInsideHexPlugM Code:31-1A201



Size T1	DN	L	SW
1/8"	6	8	5
1/4"	8	10	6
3/8"	10	11	8
1/2"	15	15	10
3/4"	20	17	14
1"	25	20	17
1 1/4"	32	21	19
1 1/2"	40	21.5	19
2"	50	23.5	22
Tolerance : 1/8"~2" L±0.5mm			

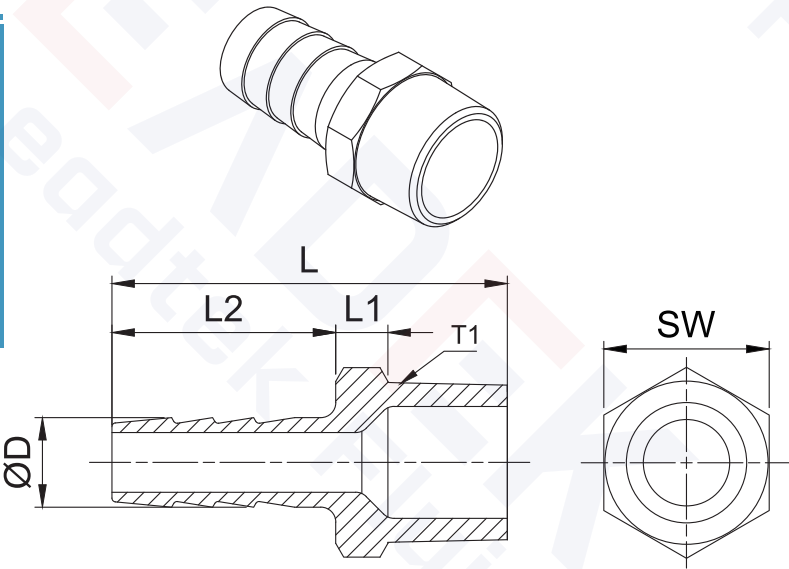
Forging Round Cap F Code:31-1A210



Size T1	DN	L
1/4"	8	16.5
3/8"	10	18
1/2"	15	20.5
3/4"	20	21.5
1"	25	24.5
Tolerance : 1/8"~1" L±0.5mm		

Forging Threaded Fitting MFR STD 31-1A

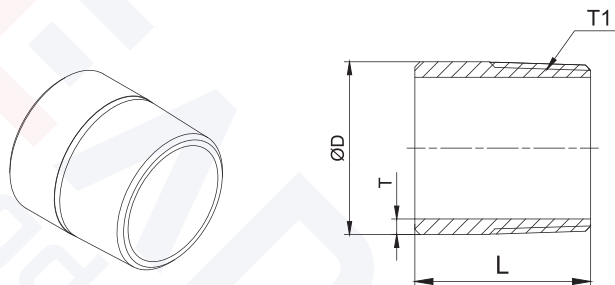
Forging Hose Nipple M
Code:31-1A300



Size T1	DN	L	L1	L2	ØD	SW
1/8"	6	40.5	6	22	6	11
1/8"	6	43.5	6	25	8	11
1/8"	6	46.5	6	28	10	11
1/4"	8	42	6	22	6	14
1/4"	8	45	6	25	8	14
1/4"	8	48	6	28	10	14
1/4"	8	50	6	30	12	14
1/4"	8	52	6	32	13	14
3/8"	10	44	7	22	6	18
3/8"	10	47	7	25	8	18
3/8"	10	50	7	28	10	18
3/8"	10	51.5	7	30	12	18
3/8"	10	53.5	7	32	13	18
3/8"	10	55.5	7	34	15	18
3/8"	10	55.5	7	34	16	18
1/2"	15	45	7	22	6	22
1/2"	15	48	7	25	8	22
1/2"	15	51	7	28	10	22
1/2"	15	53	7	30	11	22
1/2"	15	53	7	30	12	22
1/2"	15	55	7	32	13	22
1/2"	15	55	7	32	14	22
1/2"	15	57	7	34	15	22
1/2"	15	57	7	34	16	22
1/2"	15	61	7	38	19	22
1/2"	15	61	7	38	20	22
3/4"	20	59	8	34	15	27
3/4"	20	59	8	34	16	27
3/4"	20	63	8	38	19	27
3/4"	20	63	8	38	20	27
3/4"	20	69	8	44	25	27
3/4"	20	69	8	44	26	27
Tolerance : 1/8"-3/4" L±0.5mm						

Tube Threaded Fittings MFR STD 31-2A

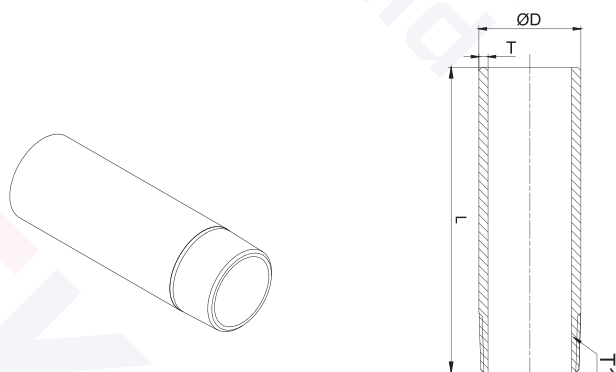
Half Nipple MFR STD Code:31-2A000



Size T1	DN	L	ØD	T
1/8"	6	26	10	2
1/4"	8	26	14	2.5
3/8"	10	26	17	2.5
1/2"	15	28	21.3	2.5
3/4"	20	30	26.7	2.5
1"	25	34	33.4	3
1 1/4"	32	38	42	3
1 1/2"	40	40	48	3
2"	50	45	60	3.5
2 1/2"	65	52	76	4
3"	80	56	89	4.5
4"	100	66	114	5

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Long Half Nipple MFR STD Code:31-2A001

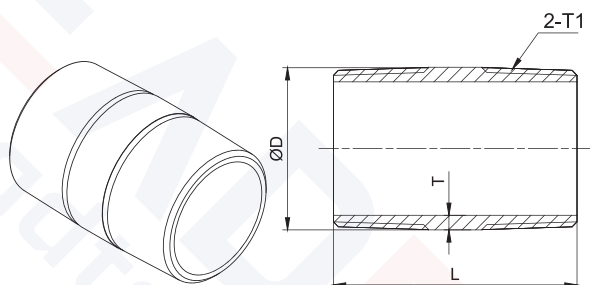


Size T1	DN	L	ØD	T
1/8"	6	50,75,100,150,200	10	2
1/4"	8	50,75,100,150,200	14	2.5
3/8"	10	50,75,100,150,200	17	2.5
1/2"	15	50,75,100,150,200	21.3	2.5
3/4"	20	50,75,100,150,200	26.7	2.5
1"	25	50,75,100,150,200	33.4	3
1 1/4"	32	50,75,100,150,200	42	3
1 1/2"	40	50,75,100,150,200	48	3
2"	50	50,75,100,150,200	60	3.5
2 1/2"	65	75,100,150,200	76	4
3"	80	75,100,150,200	89	4.5
4"	100	75,100,150,200	114	5

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Tube Threaded Fittings MFR STD 31-2A

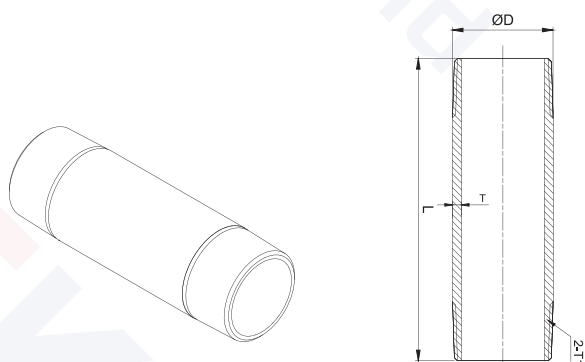
Barrel Nipple MFR STD Code:31-2A010



Size T1	DN	L	ØD	T
1/8"	6	38	10	2
1/4"	8	38	14	2.5
3/8"	10	38	17	2.5
1/2"	15	42	21.3	2.5
3/4"	20	45	26.7	2.5
1"	25	50	33.4	3
1 1/4"	32	56	42	3
1 1/2"	40	58	48	3
2"	50	64	60	3.5
2 1/2"	65	70	76	4
3"	80	78	89	4.5
4"	100	90	114	5

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

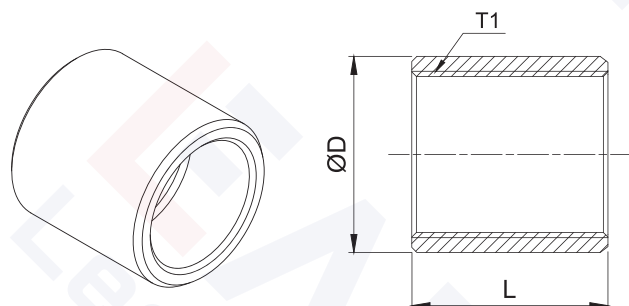
Long Barrel Nipple MFR STD Code:31-2A011



Size T1	DN	L	ØD	T
1/8"	6	50,75,100,150,200	10	2
1/4"	8	50,75,100,150,200	14	2.5
3/8"	10	50,75,100,150,200	17	2.5
1/2"	15	50,75,100,150,200	21.3	2.5
3/4"	20	50,75,100,150,200	26.7	2.5
1"	25	75,100,150,200	33.4	3
1 1/4"	32	75,100,150,200	42	3
1 1/2"	40	75,100,150,200	48	3
2"	50	75,100,150,200	60	3.5
2 1/2"	65	100,150,200	76	4
3"	80	100,150,200	89	4.5
4"	100	100,150,200	114	5

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Coupling MFR STD Code:31-2A020

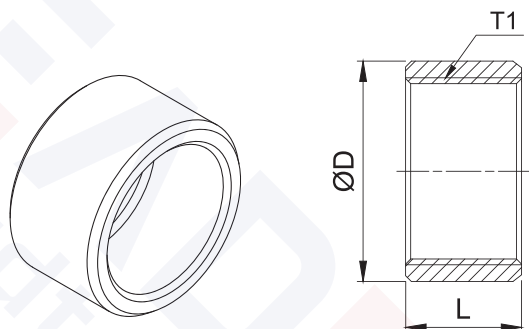


Size T1	DN	L	ØD
1/8"	6	24	14
1/4"	8	25	17
3/8"	10	26	21
1/2"	15	30	25
3/4"	20	32	31
1"	25	38	38
1 1/4"	32	43	47
1 1/2"	40	45	53
2"	50	50	65
2 1/2"	65	55	81
3"	80	62	95
4"	100	72	121

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Tube Threaded Fittings MFR STD 31-2A

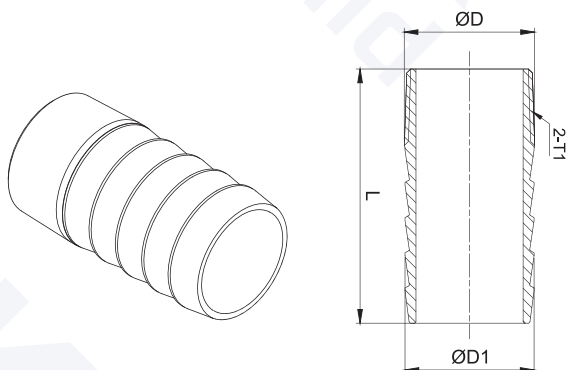
Half Coupling MFR STD Code:31-2A021



Size T1	DN	L	ØD
1/8"	6	8	14
1/4"	8	11	17
3/8"	10	12	21
1/2"	15	15	25
3/4"	20	17	31
1"	25	20	38
1 1/4"	32	22	47
1 1/2"	40	22	53
2"	50	26	65
2 1/2"	65	31	81
3"	80	34	95
4"	100	40	121

Tolerance : 1/8"~2"±1mm 、2 1/2"~4"±1.5mm

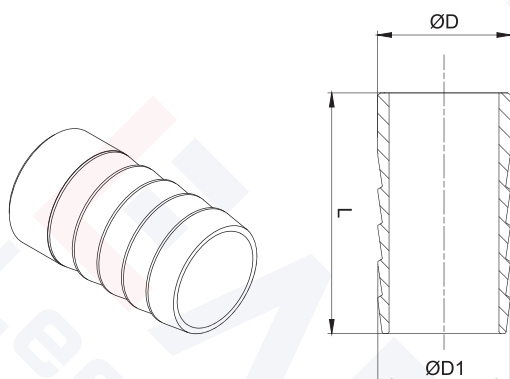
Round Hose Nipple MFR STD Code:31-2A030



Size T1	DN	L	ØD	ØD1	T
1/8"	6	50	10	10	2
1/4"	8	50	14	14	2.5
3/8"	10	52	17	17	2.5
1/2"	15	56	21.3	21.3	2.5
3/4"	20	60	26.7	26.7	2.5
1"	25	65	33.4	33.4	3
1 1/4"	32	70	42	42	3
1 1/2"	40	72	48	48	3
2"	50	78	60	60	3.5
2 1/2"	65	85	76	76	4
3"	80	100	89	89	4.5
4"	100	110	114	114	5

Tolerance : 1/8"~2"±1mm 、2 1/2"~4"±1.5mm

Welding Hose MFR STD Code:31-2A040

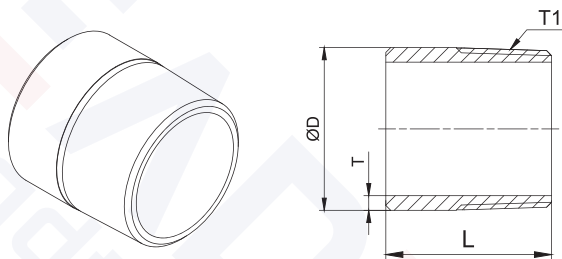


Size T1	DN	L	ØD	ØD1	T
1/8"	6	48	10	10	2
1/4"	8	48	14	14	2.5
3/8"	10	50	17	17	2.5
1/2"	15	52	21.3	21.3	2.5
3/4"	20	56	26.7	26.7	2.5
1"	25	60	33.4	33.4	3
1 1/4"	32	65	42	42	3
1 1/2"	40	66	48	48	3
2"	50	72	60	60	3.5
2 1/2"	65	78	76	76	4
3"	80	90	89	89	4.5
4"	100	100	114	114	5

Tolerance : 1/8"~2"±1mm 、2 1/2"~4"±1.5mm

Tube Threaded Fittings DIN 31-2B

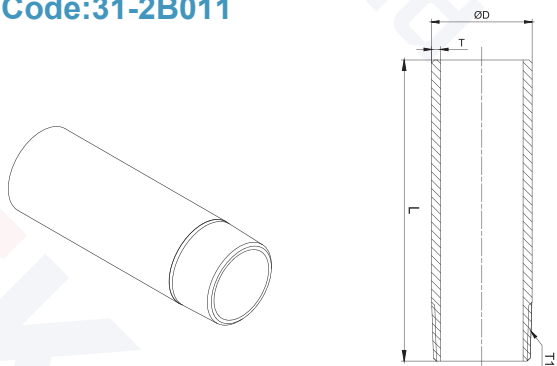
Half Nipple DIN STD Code:31-2B000



Size T1	DN	L	ØD	T
1/8"	6	30	10	2
1/4"	8	30	14	2.5
3/8"	10	30	17	2.5
1/2"	15	35	21.3	2.5
3/4"	20	40	26.7	2.5
1"	25	40	33.4	3
1 1/4"	32	50	42	3
1 1/2"	40	50	48	3
2"	50	50	60	3.5
2 1/2"	65	60	76	4
3"	80	70	89	4.5
4"	100	80	114	5
5"	125	80	140	6.5
6"	150	80	168	7

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

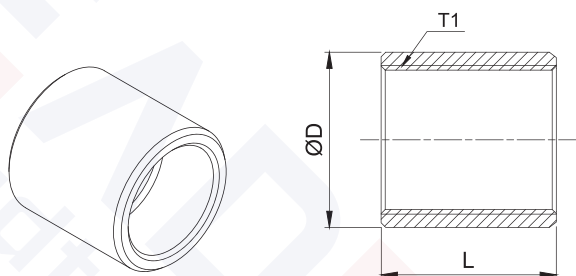
Barrel Nipple DIN STD Code:31-2B011



Size T1	DN	L	ØD	T
1/8"	6	30,40,50,60,80,100,120,150,180,200,250,300	10	2
1/4"	8	30,40,50,60,80,100,120,150,180,200,250,300	14	2.5
3/8"	10	30,40,50,60,80,100,120,150,180,200,250,300	17	2.5
1/2"	15	40,50,60,80,100,120,150,180,200,250,300	21.3	2.5
3/4"	20	40,50,60,80,100,120,150,180,200,250,300	26.7	2.5
1"	25	50,60,80,100,120,150,180,200,250,300	33.4	3
1 1/4"	32	50,60,80,100,120,150,180,200,250,300	42	3
1 1/2"	40	50,60,80,100,120,150,180,200,250,300	48	3
2"	50	60,80,100,120,150,180,200,250,300	60	3.5
2 1/2"	65	80,100,120,150,180,200,250,300	76	4
3"	80	80,100,120,150,180,200,250,300,400	89	4.5
4"	100	100,120,150,180,200,250,300,400	114	5
5"	125	120,150,180,200,250,300,400,500	140	6.5
6"	150	150,180,200,250,300,400,500	168	7

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

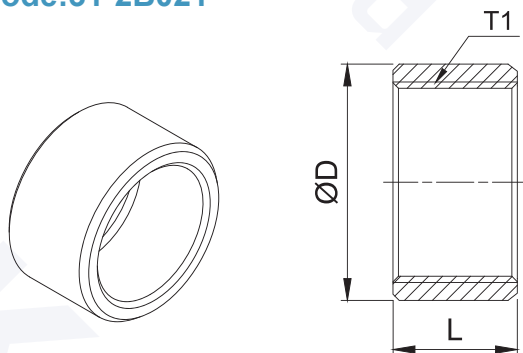
Coupling DIN STD Code:31-2B020



Size T1	DN	L	ØD
1/8"	6	17	15
1/4"	8	25	18.5
3/8"	10	26	21.5
1/2"	15	34	26.5
3/4"	20	36	32
1"	25	43	39.5
1 1/4"	32	48	48.5
1 1/2"	40	48	54.5
2"	50	56	66.5
2 1/2"	65	65	82
3"	80	71	95
4"	100	83	122
5"	125	92	147
6"	150	92	174

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

Half Coupling DIN STD Code:31-2B021

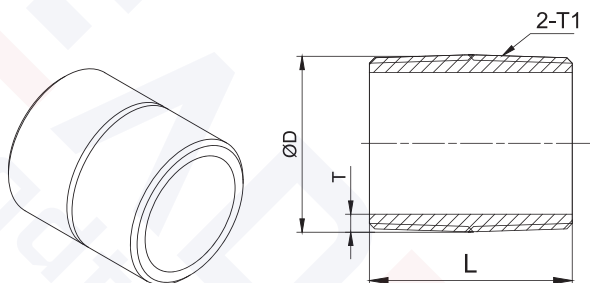


Size T1	DN	L	ØD
1/8"	6	8	15
1/4"	8	11	18.5
3/8"	10	12	21.5
1/2"	15	15	26.5
3/4"	20	17	32
1"	25	20	39.5
1 1/4"	32	22	48.5
1 1/2"	40	22	54.5
2"	50	26	66.5
2 1/2"	65	30	82
3"	80	34	95
4"	100	40	122
5"	125	44	147
6"	150	44	174

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

Tube Threaded Fittings US 31-2C

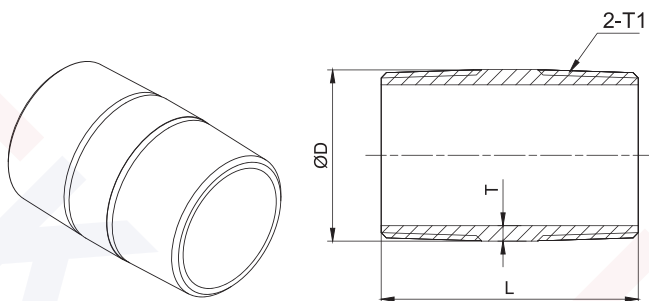
Close Nipple ASTM STD Sch40 Code:31-2C000



Size T1	DN	L	ØD	Sch40 T	Sch80 T
1/8"	6	3/4"	10.3	1.73	2.41
1/4"	8	7/8"	13.7	2.24	3.02
3/8"	10	1"	17.1	2.31	3.20
1/2"	15	1 1/8"	21.3	2.77	3.73
3/4"	20	1 3/8"	26.7	2.87	3.91
1"	25	1 1/2"	33.4	3.38	4.55
1 1/4"	32	1 5/8"	42.2	3.56	4.85
1 1/2"	40	1 3/4"	48.3	3.68	5.08
2"	50	2"	60.3	3.91	5.54
2 1/2"	65	2 1/2"	73	5.16	7.01
3"	80	2 5/8"	88.9	5.49	7.62
4"	100	2 7/8"	114.3	6.02	8.08
5"	125	3"	141.3	6.55	8.56
6"	150	3 1/8"	168.3	7.11	9.53

Tolerance : 1/8"~2"±1mm 、2 1/2"~4"±1.5mm 、5"~6"±2mm

BarrelNipple ASTM STD Sch40 Code:31-2C001

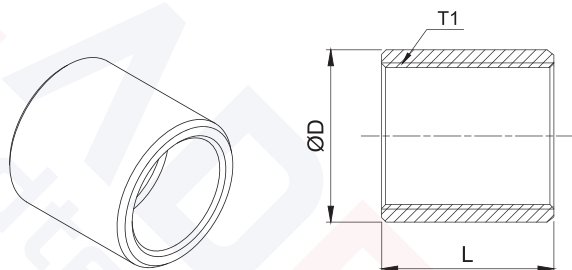


Size T1	DN	L	ØD	Sch40 T	Sch80 T
1/8"	6	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	10.3	1.73	2.41
1/4"	8	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	13.7	2.24	3.02
3/8"	10	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	17.1	2.31	3.2
1/2"	15	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	21.3	2.77	3.73
3/4"	20	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	26.7	2.87	3.91
1"	25	1", 1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	33.4	3.38	4.55
1 1/4"	32	1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	42.2	3.56	4.85
1 1/2"	40	1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	48.3	3.68	5.08
2"	50	1 1/2", 2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	60.3	3.91	5.54
2 1/2"	65	2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	73	5.16	7.01
3"	80	2", 2 1/2", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	88.9	5.49	7.62
4"	100	3", 3 1/2", 4", 4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	114.3	6.02	8.08
5"	125	4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	141.3	6.55	8.56
6"	150	4 1/2", 5", 5 1/2", 6", 7", 8", 9", 10", 11", 12"	168.3	7.11	9.53

Tolerance : 1/8"~2"±1mm 、2 1/2"~4"±1.5mm 、5"~6"±2mm

Tube Threaded Fittings US 31-2C

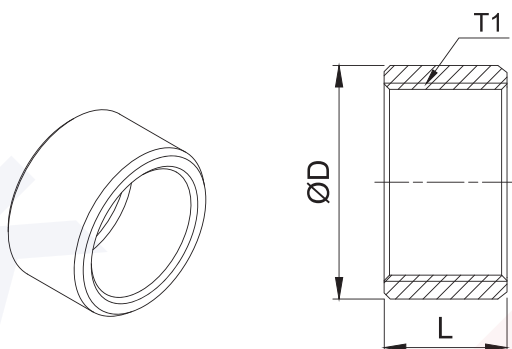
Coupling US STD Code:31-2C010



Size T1	DN	L	ØD
1/8"	6	20	15
1/4"	8	27	18.5
3/8"	10	28	21.5
1/2"	15	36	26.5
3/4"	20	38	32
1"	25	43	39.5
1 1/4"	32	48	48.5
1 1/2"	40	48	54.5
2"	50	56	66.5
2 1/2"	65	65	84
3"	80	71	100
4"	100	83	129
5"	125	92	160
6"	150	92	186

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

Half Coupling US STD Code:31-2C011



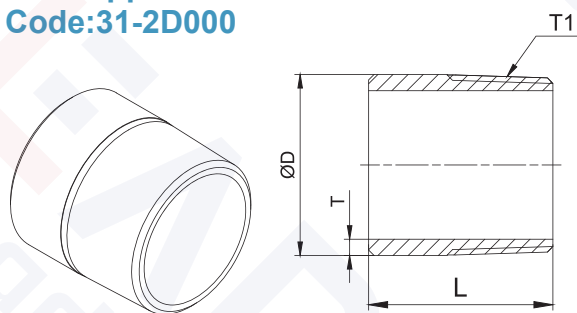
Size T1	DN	L	ØD
1/8"	6	11	15
1/4"	8	13	18.5
3/8"	10	14	21.5
1/2"	15	18	26.5
3/4"	20	20	32
1"	25	21	39.5
1 1/4"	32	24	48.5
1 1/2"	40	24	54.5
2"	50	28	66.5
2 1/2"	65	33	84
3"	80	36	100
4"	100	42	129
5"	125	44	160
6"	150	44	186

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm 、 5"~6"±2mm

Tube Threaded Fittings JIS 31-2D

Half Nipple JIS STD Sch20S

Code:31-2D000

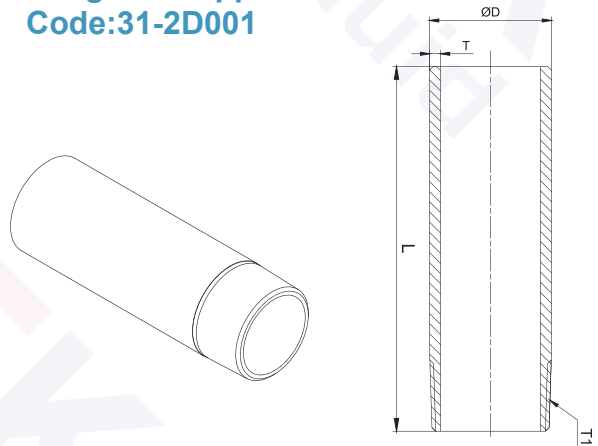


Size T1	DN	L	ØD	T
1/8"	6	24.5	10.5	2
1/4"	8	26.5	13.8	2.5
3/8"	10	28.5	17.3	2.5
1/2"	15	34.5	21.7	2.5
3/4"	20	38.5	27.2	2.5
1"	25	42.5	34	3
1 1/4"	32	50.5	42.7	3
1 1/2"	40	50.5	48.6	3
2"	50	58.5	60.5	3.5
2 1/2"	65	70.5	76.3	4
3"	80	78.5	89.1	4
4"	100	90.5	114.3	4

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Long Half Nipple JIS STD Sch20S

Code:31-2D001

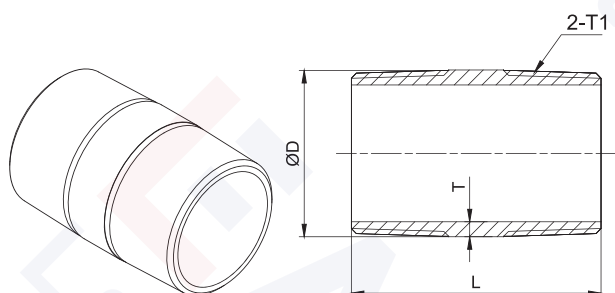


Size T1	DN	L	ØD	T
1/8"	6	50,75,100,150,200	10.5	2
1/4"	8	50,75,100,150,200	13.8	2.5
3/8"	10	50,75,100,150,200	17.3	2.5
1/2"	15	50,75,100,150,200	21.7	2.5
3/4"	20	50,75,100,150,200	27.2	2.5
1"	25	50,75,100,150,200	34	3
1 1/4"	32	75,100,150,200	42.7	3
1 1/2"	40	75,100,150,200	48.6	3
2"	50	75,100,150,200	60.5	3.5
2 1/2"	65	100,150,200	76.3	4
3"	80	100,150,200	89.1	4
4"	100	100,150,200	114.3	4

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Barrel Nipple JIS STD Sch20S

Code:31-2D010

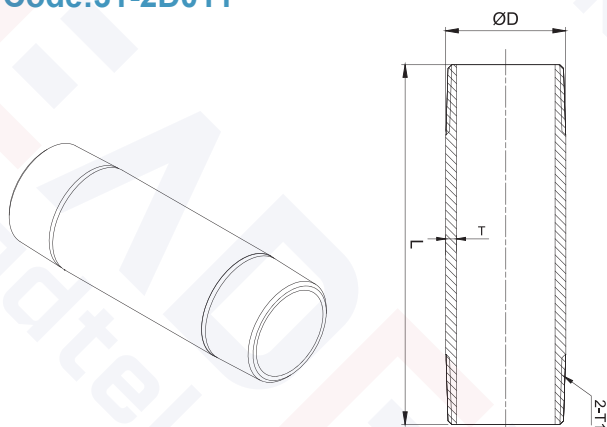


Size T1	DN	L	ØD	T
1/8"	6	24.5	10.5	2
1/4"	8	26.5	13.8	2.5
3/8"	10	28.5	17.3	2.5
1/2"	15	34.5	21.7	2.5
3/4"	20	38.5	27.2	2.5
1"	25	42.5	34	3
1 1/4"	32	50.5	42.7	3
1 1/2"	40	50.5	48.6	3
2"	50	58.5	60.5	3.5
2 1/2"	65	70.5	76.3	4
3"	80	78.5	89.1	4
4"	100	90.5	114.3	4

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Tube Threaded Fittings JIS 31-2D

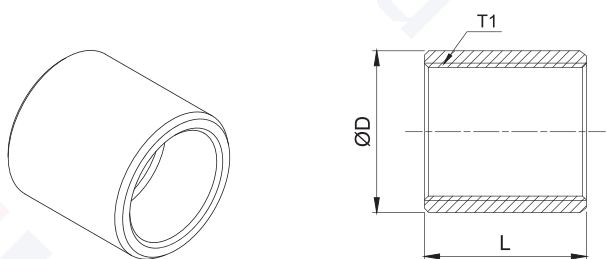
Long Barrel Nipple JIS STD Code:31-2D011



Size T1	DN	L	ØD	T
1/8"	6	50,75,100,150,200	10.5	2
1/4"	8	50,75,100,150,200	13.8	2.5
3/8"	10	50,75,100,150,200	17.3	2.5
1/2"	15	50,75,100,150,200	21.7	2.5
3/4"	20	50,75,100,150,200	27.2	2.5
1"	25	50,75,100,150,200	34	3
1 1/4"	32	75,100,150,200	42.7	3
1 1/2"	40	75,100,150,200	48.6	3
2"	50	75,100,150,200	60.5	3.5
2 1/2"	65	100,150,200	76.3	4
3"	80	100,150,200	89.1	4
4"	100	100,150,200	114.3	4

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

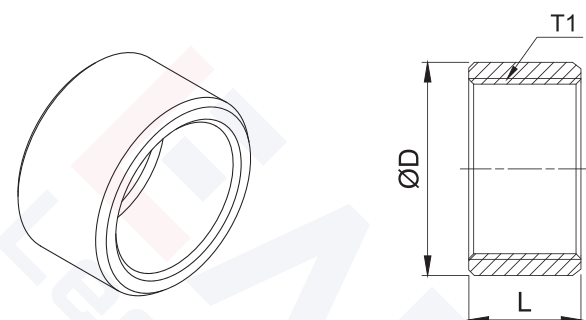
Coupling JIS STD Code:31-2D020



Size T1	DN	L	ØD
1/8"	6	20	14
1/4"	8	25	17
3/8"	10	26	21
1/2"	15	33	25
3/4"	20	36	31
1"	25	43	38
1 1/4"	32	48	47
1 1/2"	40	48	53
2"	50	56	66
2 1/2"	65	65	82
3"	80	70	95
4"	100	84	121

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

Half Coupling JIS STD Code:31-2D021

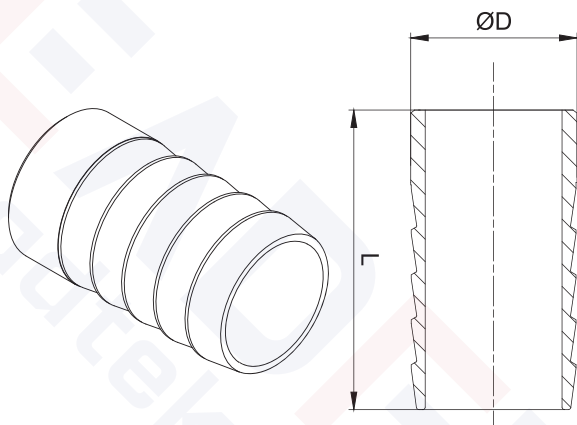


Size T1	DN	L	ØD
1/8"	6	12	14
1/4"	8	15	17
3/8"	10	16	21
1/2"	15	20	25
3/4"	20	21	31
1"	25	25	38
1 1/4"	32	28	47
1 1/2"	40	28	53
2"	50	34	65
2 1/2"	65	39	81
3"	80	42	95
4"	100	50	121

Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm

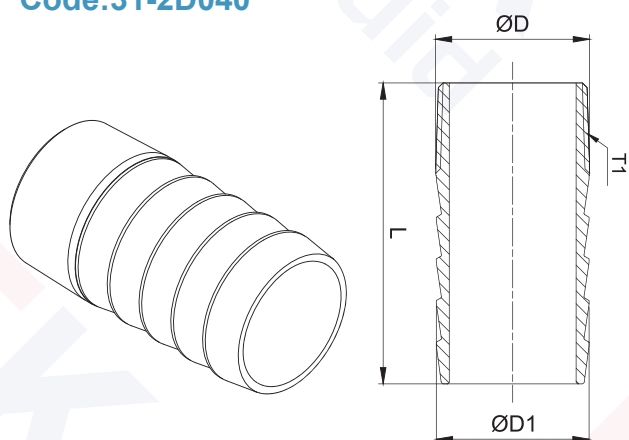
Tube Threaded Fittings JIS 31-2D

Welding Round Hose JIS STD Sch20S Code:31-2D030



Size	DN	L	ØD
1/8"	6	41	10.5
1/4"	8	41	13.8
3/8"	10	42	17.3
1/2"	15	52	21.7
3/4"	20	55	27.2
1"	25	60	34
1 1/4"	32	66	42.7
1 1/2"	40	70	48.6
2"	50	80	60.5
2 1/2"	65	150	76.3
3"	80	150	89.1
4"	100	150	114.3
Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm			

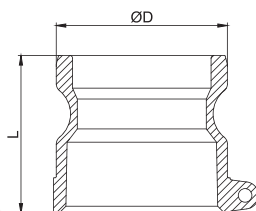
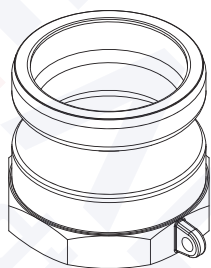
Round Hose Nipple JIS STD Sch20S Code:31-2D040



Size T1	DN	L	ØD
1/8"	6	41	10.5
1/4"	8	41	13.8
3/8"	10	42	17.3
1/2"	15	52	21.7
3/4"	20	55	27.2
1"	25	60	34
1 1/4"	32	66	42.7
1 1/2"	40	70	48.6
2"	50	80	60.5
2 1/2"	65	150	76.3
3"	80	150	89.1
4"	100	150	114.3
Tolerance : 1/8"~2"±1mm 、 2 1/2"~4"±1.5mm			

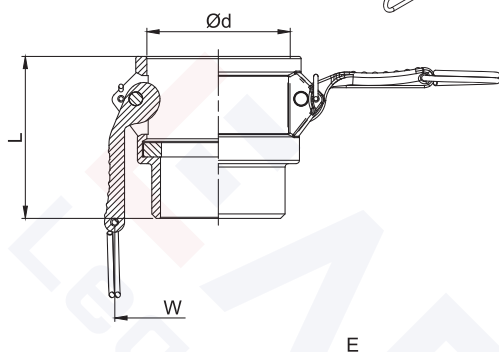
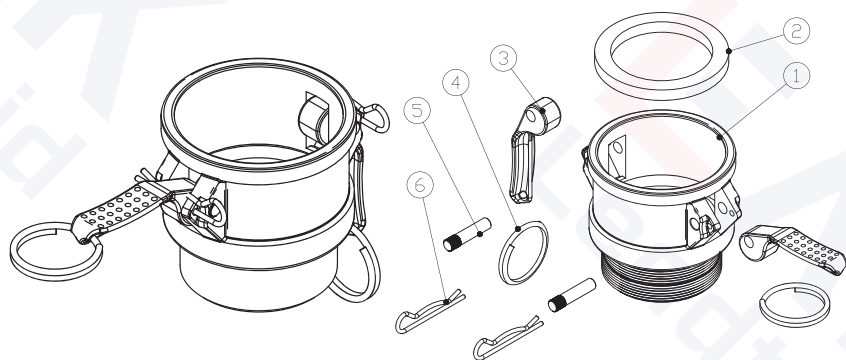
Camlock Quick Coupling 31-3A

Camlock LTS-A Type Code:31-3A000



Size	DN	ØD	L
½"	15	24	35.5
¾"	20	32.1	37.5
1"	25	36.7	43
1¼"	32	45.5	50
1½"	40	53.4	52
2"	50	63	58
2½"	65	75.8	75
3"	80	91.5	66
4"	100	119.5	68.5
Tolerance : ½"~2" L-1.2mm 、 2½"~4" L-2.4mm			

Camlock LTS-B Type Code:31-3A010

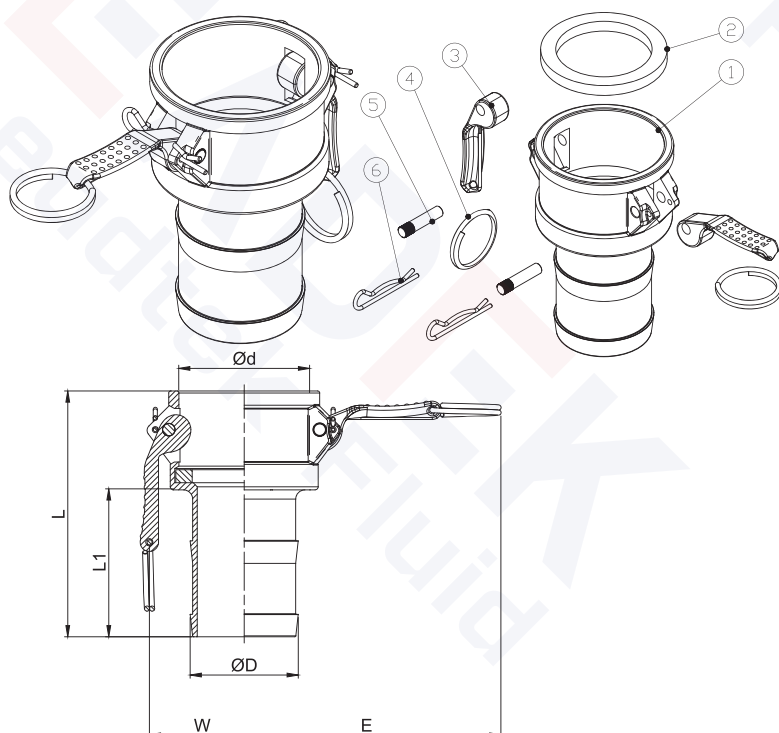


No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	Ød	L	E	W
½"	15	24.4	44.7	50	166.8
¾"	20	32.5	48.5	58	174.8
1"	25	37.2	56.1	69	195.1
1¼"	32	46.1	63.5	85	234.9
1½"	40	54	64.5	92.5	242.4
2"	50	63.6	72.5	102	251.9
2½"	65	76.4	77.5	114.5	264.4
3"	80	92.3	84	139.5	305.8
4"	100	120.3	91	168	334.3
Tolerance : ½"~2" L-1.2mm 、 2½"~4" L-2.4mm					

Camlock Quick Coupling 31-3A

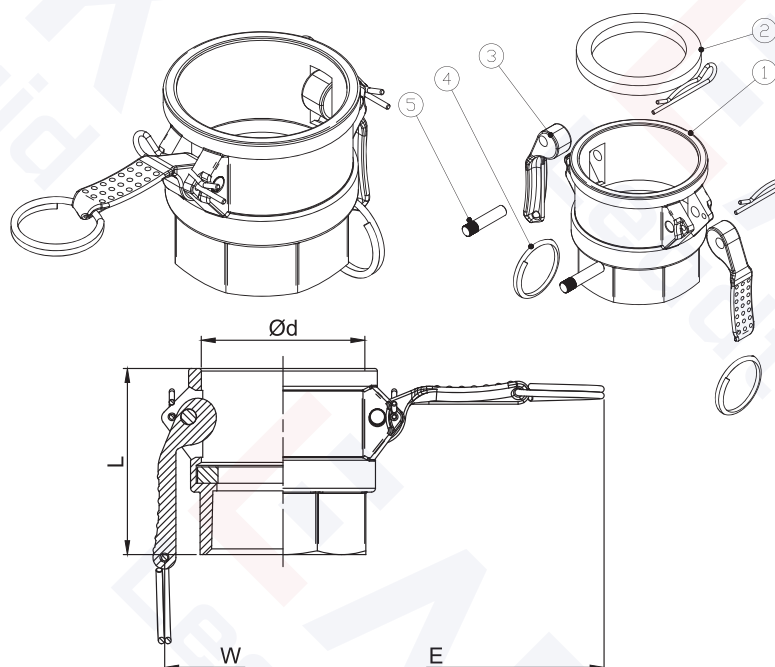
Camlock LTS-C Type Code:31-3A020



No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	ØD	Ød	L	L1	E	W
½"	15	14.5	24.4	71.2	42	50	166.8
¾"	20	21	32.5	81.5	50	58	174.8
1"	25	27	37.2	95.1	58	69	195.1
1¼"	32	34	46.1	106	63	85	234.9
1½"	40	40	54	108.5	65	92.5	242.4
2"	50	53	63.6	120.5	72	102	251.9
2½"	65	67	76.4	131	80	114.5	264.4
3"	80	78	92.3	144.5	90	139.5	305.8
4"	100	103	120.3	156	100	168	334.3
Tolerance : ½"~2" L-0.6mm 、2½"~4" L-1.2mm							

Camlock LTS-D Type Code:31-3A030

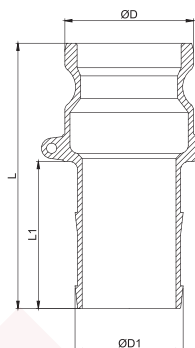
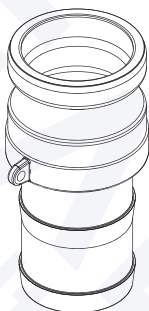


No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	Ød	L	E	W
½"	15	24.4	43.2	50	166.8
¾"	20	32.5	47.5	58	174.8
1"	25	37.2	56.1	69	195.1
1¼"	32	46.1	63.5	85	234.9
1½"	40	54	64.5	92.5	242.4
2"	50	63.6	72.5	102	251.9
2½"	65	76.4	76.5	114.5	264.4
3"	80	92.3	83	139.5	305.8
4"	100	120.3	89.5	168	334.3
Tolerance : ½"~2" L-1.2mm 、2½"~4" L-2.4mm					

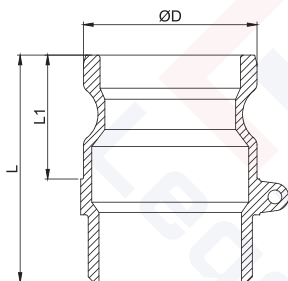
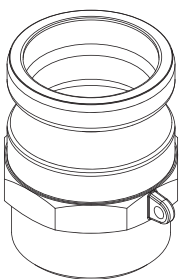
Camlock Quick Coupling 31-3A

Camlock LTS-E Type
Code:31-3A040



Size	DN	ØD	ØD1	L	L1
1/2"	15	24	14.5	77.5	42
3/4"	20	32.1	21	87.5	50
1"	25	36.7	27	110	58
1 1/4"	32	45.5	34	113	63
1 1/2"	40	53.4	40	117	65
2"	50	63	53	130	72
2 1/2"	65	75.8	67	142	80
3"	80	91.5	78	156	90
4"	100	119.5	103	169	100
Tolerance : 1/2"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm					

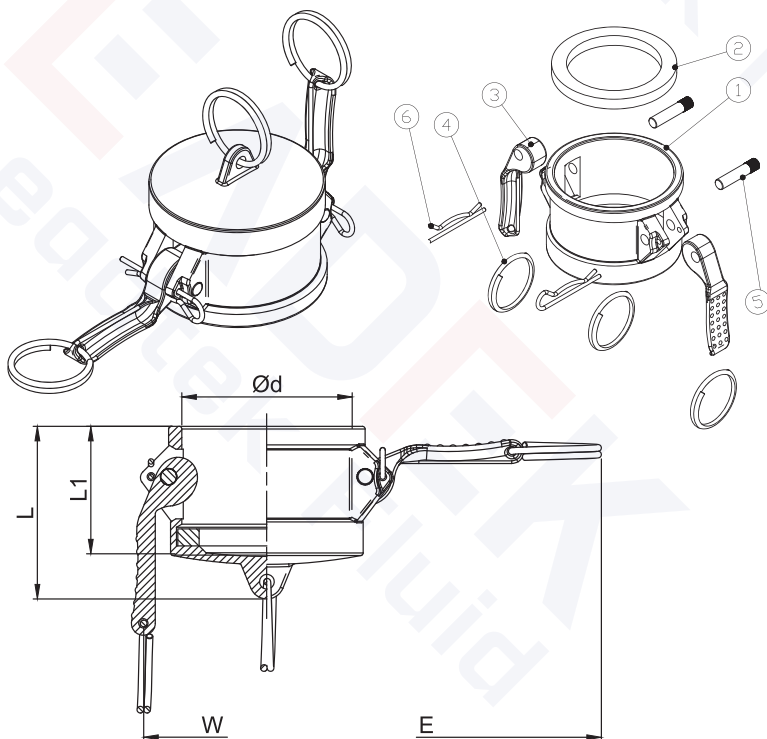
Camlock LTS-F Type
Code:31-3A050



Size	DN	ØD	L	L1
1/2"	15	24	51.5	27.5
3/4"	20	32.1	54.5	28.5
1"	25	36.7	62	33
1 1/4"	32	45.5	70.5	39
1 1/2"	40	53.4	73	40
2"	50	63	82.5	45
2 1/2"	65	75.8	89	47.5
3"	80	91.5	96.5	51
4"	100	119.5	105	52.5
Tolerance : 1/2"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm				

Camlock Quick Coupling 31-3A

Camlock LTS-DC Type Code:31-3A060

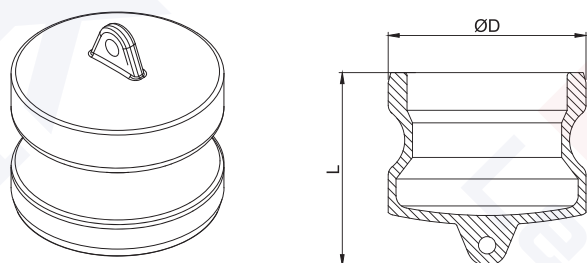


No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	Ød	L	L1	E	W
½"	15	24.4	38.2	50	50	166.8
¾"	20	32.5	42	58	58	174.8
1"	25	37.2	49.1	69	69	195.1
1¼"	32	46.1	56.5	85	85	234.9
1½"	40	54	58.5	92.5	92.5	242.4
2"	50	63.6	65	102	102	251.9
2½"	65	76.4	69	114.5	114.5	264.4
3"	80	92.3	74	139.5	139.5	305.8
4"	100	120.3	77	168	168	334.3

Tolerance : ½"~2" L-0.6mm 、 2½"~4" L-1.2mm

Camlock LTS-DP Type Code:31-3A070

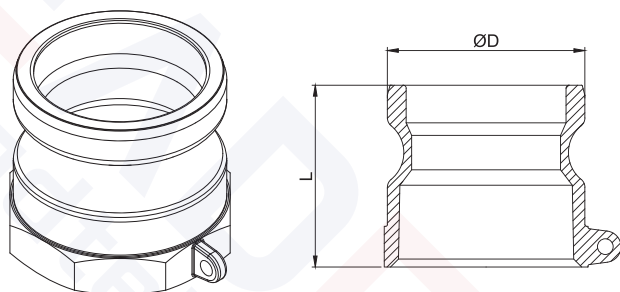


Size	DN	ØD	L
½"	15	24	36.5
¾"	20	32.1	39
1"	25	36.7	45
1¼"	32	45.5	52.5
1½"	40	53.4	55
2"	50	63	61.5
2½"	65	75.8	65.5
3"	80	91.5	70.5
4"	100	119.5	73.5

Tolerance : ½"~2" L-0.6mm 、 2½"~4" L-1.2mm

Camlock Quick Coupling 31-3A

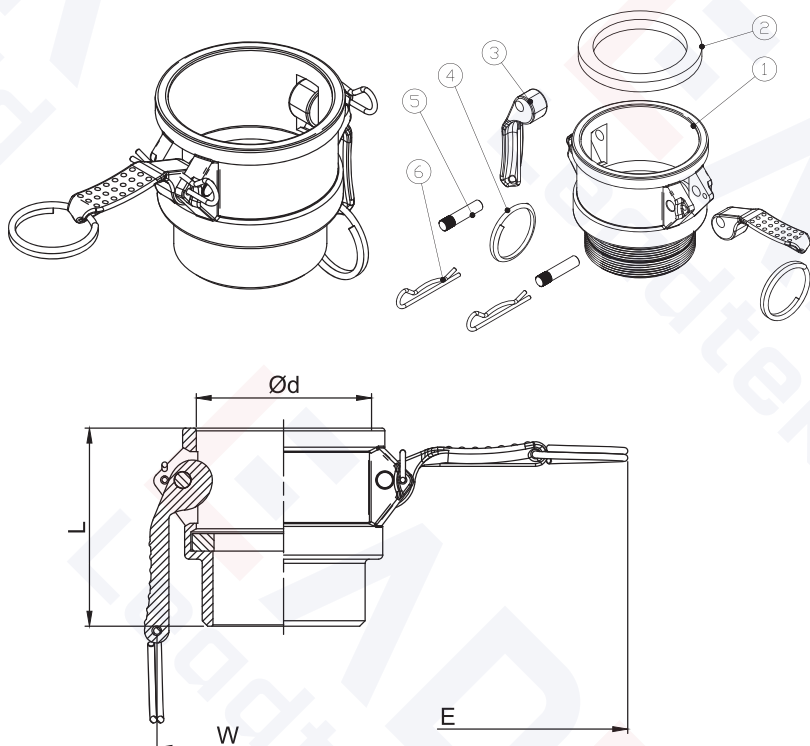
Camlock LTH-A Type Code:31-3A100



Size	DN	ØD	L
½"	15	25	38
¾"	20	32.1	40
1"	25	36.7	46.5
1¼"	32	45.5	55
1½"	40	53.4	56.5
2"	50	63	65.5
2½"	65	75.8	82.5
3"	80	91.5	77
4"	100	119.5	80.5
5"	125	184.4	91
6"	150	178	92

Tolerance : ½"~2" L-1.2mm 、 2½"~4" L-2.4mm 、 5"~6" L-3mm

Camlock LTH-B Type NBR Code:31-3A110



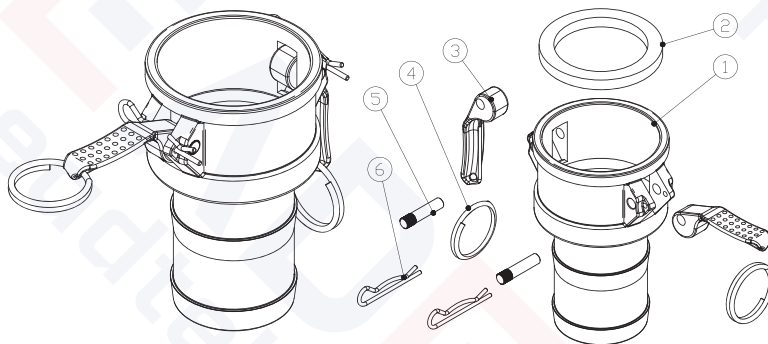
No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	Ød	L	E	W
½"	15	25.5	46.5	50	167
¾"	20	32.5	51.5	58.5	175.5
1"	25	37.2	58.5	69	195.5
1¼"	32	46.1	67.5	85	235.5
1½"	40	54	69	93	243
2"	50	63.6	79	102.5	252.5
2½"	65	76.4	85	114.5	264.5
3"	80	92.3	89.5	140	306.5
4"	100	120.3	96.5	168	334.5
5"	125	147	107	190	412
6"	150	177	108.5	220	452

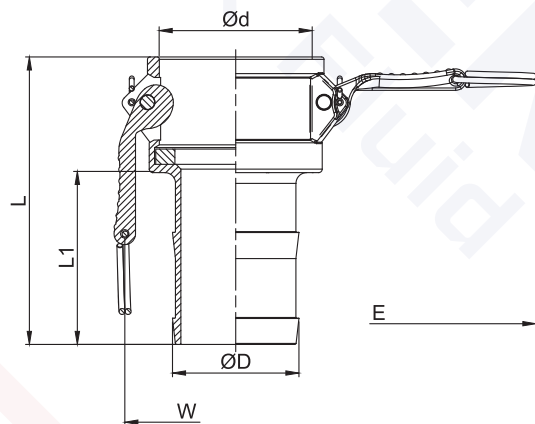
Tolerance : ½"~2" L-1.2mm 、 2½"~4" L-2.4mm 、 5"~6" L-3mm

Camlock Quick Coupling 31-3A

Camlock LTH-C Type Code:31-3A120



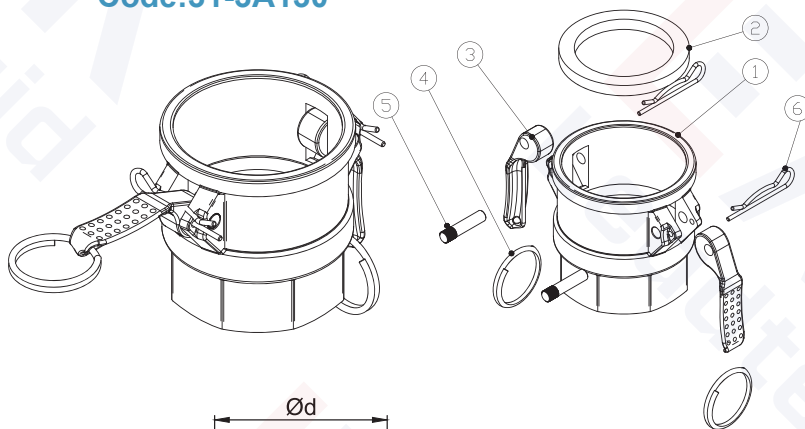
No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304



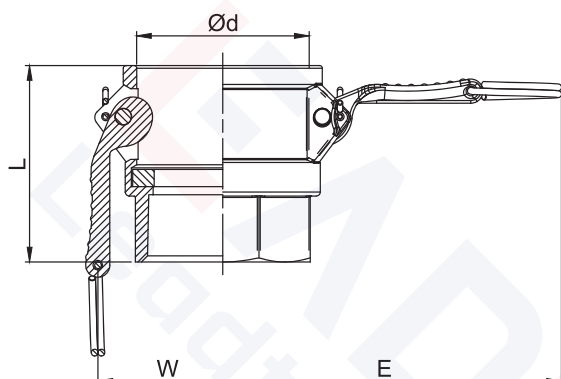
Size	DN	ØD	Ød	L	L1	E	W
½"	15	14.5	25.5	75.5	45	50	167
¾"	20	21	32.5	85	51	58.5	175.5
1"	25	27	37.2	98.5	60	69	195.5
1¼"	32	34	46.1	110	65	85	235.5
1½"	40	40	54	121.5	66	93	243
2"	50	53	63.6	129.5	77	102.5	252.5
2½"	65	67	76.4	143	88	114.5	264.5
3"	80	78	92.3	156	100	140	306.5
4"	100	103	120.3	165	108	168	334.5
5"	125	130	147	188	124	190	412
6"	150	153	177	228.5	163	220	452

Tolerance : ½"~2" L-0.6mm 、 2½"~4" L-1.2mm 、 5"~6" L-1.5mm

Camlock LTH-D Type Code:31-3A130



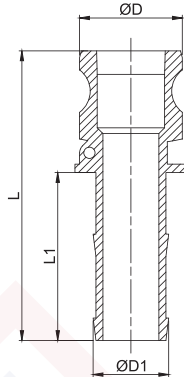
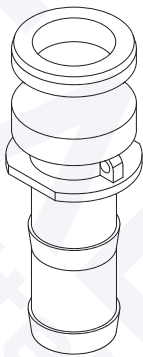
No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304



Size	DN	Ød	L	E	W
½"	15	25.5	46.5	50	167
¾"	20	32.5	51.5	58.5	175.5
1"	25	37.2	58.5	69	195.5
1¼"	32	46.1	67.5	85	235.5
1½"	40	54	69	93	243
2"	50	63.6	79	102.5	252.5
2½"	65	76.4	85	114.5	264.5
3"	80	92.3	89.5	140	306.5
4"	100	120.3	96.5	168	334.5
5"	125	147	109	190	412
6"	150	177	108.5	220	452

Tolerance : ½"~2" L-1.2mm 、 2½"~4" L-2.4mm 、 5"~6" L-3mm

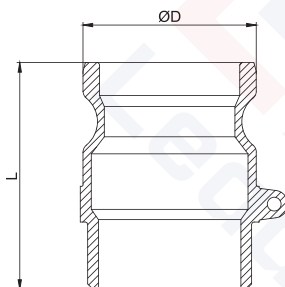
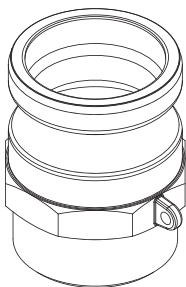
Camlock LTH-E Type Code:31-3A140



Size	DN	ØD	ØD1	L	L1
1/2"	15	25	14.5	81.5	45
3/4"	20	32.1	21	89.5	51
1"	25	36.7	27	103.5	60
1 1/4"	32	45.5	34	115.5	65
1 1/2"	40	53.4	40	118	66
2"	50	63	53	136.5	77
2 1/2"	65	75.8	67	149.5	88
3"	80	91.5	78	164	100
4"	100	119.5	103	173.5	108
5"	125	184.4	130	200	125
6"	150	178	153	240	163

Tolerance : 1/2"~2" L-0.6mm 、 2 1/2"~4" L-1.2mm 、
5"~6" L-1.5mm

Camlock LTH-F Type Code:31-3A150

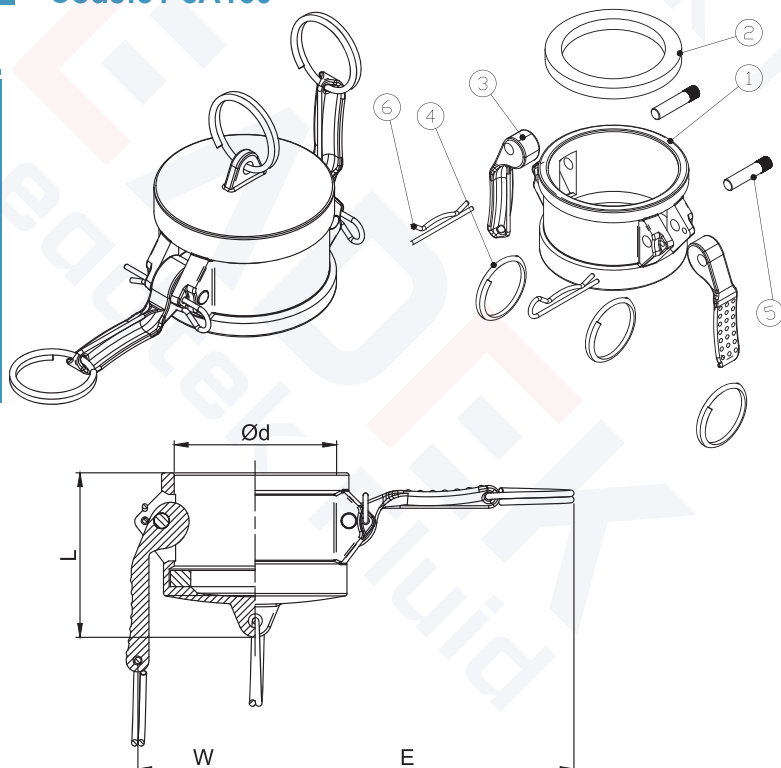


Size	DN	ØD	L
1/2"	15	25	53
3/4"	20	32.1	57.5
1"	25	36.7	64.5
1 1/4"	32	45.5	74.5
1 1/2"	40	53.4	77
2"	50	63	88
2 1/2"	65	75.8	95
3"	80	91.5	100.5
4"	100	119.5	109
5"	125	184.4	125
6"	150	178	127

Tolerance : 1/2"~2" L-1.2mm 、 2 1/2"~4" L-2.4mm 、
5"~6" L-3mm

Camlock Quick Coupling 31-3A

Camlock LTH-DC Type Code:31-3A160

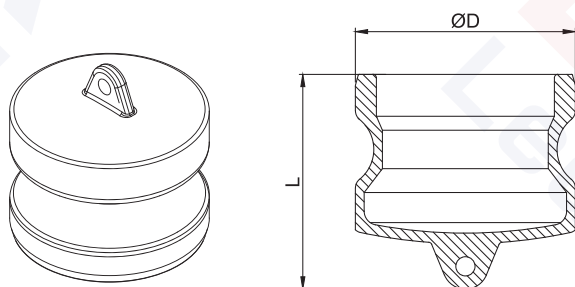


No.	Parts	Material
1	Body	304/316
2	Gasket	NBR/EPDM/Viton/Silicon
3	Handle	304
4	Ring	304
5	Pin	304
6	Splitpin	304

Size	DN	Ød	L	E	W
½"	15	25.5	39.5	50	167
¾"	20	32.5	44.5	58.5	175.5
1"	25	37.2	50.5	69	195.5
1¼"	32	46.1	58.5	85	235.5
1½"	40	54	61.5	93	243
2"	50	63.6	69	102.5	252.5
2½"	65	76.4	72.5	114.5	264.5
3"	80	92.3	75.5	140	306.5
4"	100	120.3	78	168	334.5
5"	125	147	90	190	412
6"	150	177	90.5	220	452

Tolerance : ½"~2" L-0.6mm 、 2½"~4" L-1.2mm 、
5"~6" L-1.5mm

Camlock LTH-DP Type Code:31-3A170



Size	DN	ØD	L
½"	15	25	37
¾"	20	32.1	40.5
1"	25	36.7	45.5
1¼"	32	45.5	53.5
1½"	40	53.4	56.5
2"	50	63	64
2½"	65	75.8	67.5
3"	80	91.5	70.5
4"	100	119.5	73.5
5"	125	184.4	87
6"	150	178	92

Tolerance : ½"~2" L-0.6mm 、 2½"~4" L-1.2mm 、
5"~6" L-1.5mm