

FINE series PURE UJR Fitting·Auto-Weld series



UJR



UJT-6.35M-AW-S



UJL-6.35M-AW-S

Excellent, Ultimate, Fine, Clean & Safe Technology

Fujikin Incorporated

Pursuing the Ultimate in Reliability: The **Fujikin**® UJR Series
















The **Fujikin**® UJR gasket fitting series are high-performance, high-quality tube fittings. They are produced by making full use of design know-how and manufacturing technology Fujikin has accumulated throughout the years as an experienced precision fitting manufacturer.

The UJR gasket fitting series are precision union tube fittings that create a seal by welding the tube to the sleeve, interposing a metal gasket between the end sealing part and body sealing part of the sleeve, and tightening the union nut.


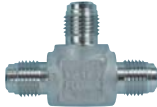

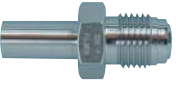


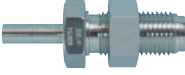





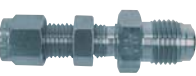


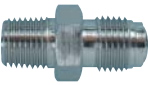


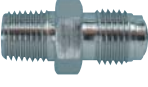





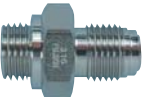






















Fujikin Incorporated

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	Bulkhead Union Body 8		Tee Union Body 12		Union Nut 16
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	Reducing Bulkhead Union Body 9		21.5MPa Double Sleeve 13		Coupling Body 16
	Finelok® Connector 9		1MPa Double Sleeve with Purering 13		Blind Sleeve 17
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	Male Connector (R Thread) 10		Union Male Connector (R Thread) 13		Orifice-Type Straight Union Body 18
	Male Connector (NPT Thread) 10		Union Male Connector (NPT Thread) 14		Orifice-Type Gasket 18
	O-Ring Type Male Connector (UNF Thread) 10		Union Female Connector (G Thread) 14		High-Flow Type Reducing Sleeve 18
	O-Ring Type Male Connector (UNF Thread) 10		Union Female Connector (Rc Thread) 14		Nut For High-Flow Valve 18
	Female Connector (G Thread) 11		Union Female Connector (NPT Thread) 14		Coupling Body For High-Flow Type 18
	Female Connector (Rc Thread) 11		Gasket With Retainer 15		Plug Union 19
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	Male Elbow Union Body 11		Blind Gasket With Retainer 15		16.2MPa Plug Union With Purering 19
	Male Elbow Body (R Thread) 12		Blind Gasket 15		1/8 Sleeve 19
	Male Elbow (NPT Thread) 12		Purering 16		Ultra-Compact Auto-Weld Fitting -Special Sleeve 19

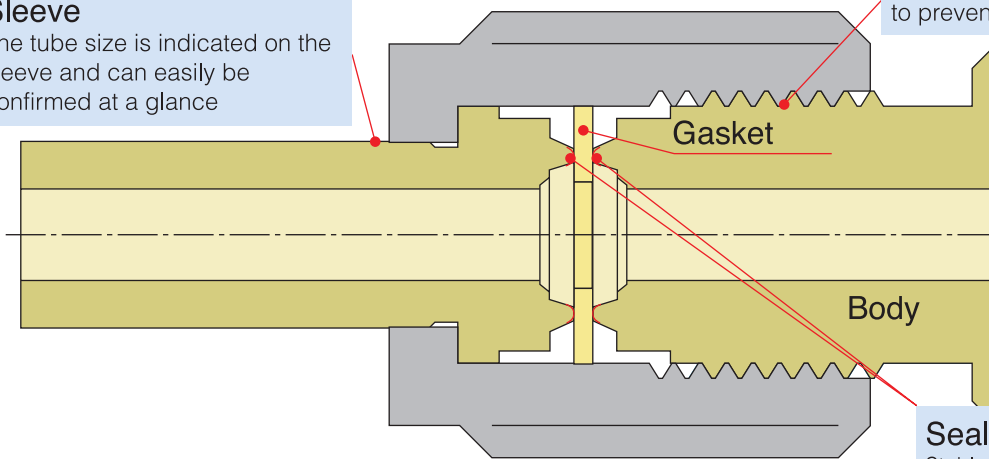
FEATURES

Sleeve

The tube size is indicated on the sleeve and can easily be confirmed at a glance

Union Nut

The nut threads are silver-plated to prevent galling



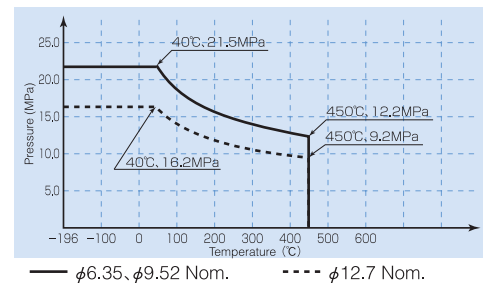
Seal End

Stable attachment / detachment and reliable sealing properties are achieved by means of a special hardening treatment.

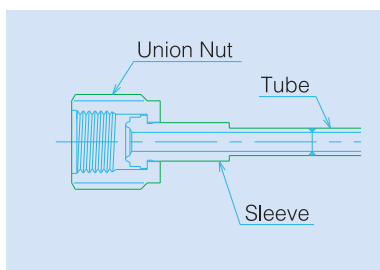
SPECIFICATIONS AND MATERIALS

Specification	Design Pressure	21.5MPa (3,118 psi) (16.2 MPa (2,350 psi) for 12.7 nominal diameter) (10 MPa (1,450 psi) for 19.05 nominal diameter)
	Temperature Range	-196°C ~ +450°C (-320°F ~ +842°F)
Materials	Body, Sleeve	SUS316L (The material of body are SUS316.) (Double-melt, ultra-low Mn materials are available)
	Gasket	A total of four types are available: unplated stainless steel, unplated nickel, silver-plated stainless steel, and silver-plated nickel
	Nut	SUS316

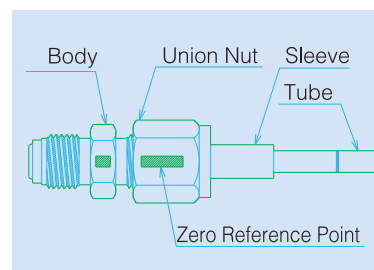
Temperature/Pressure Rating



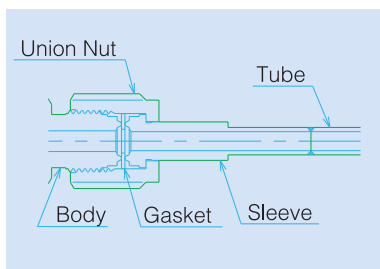
ASSEMBLY



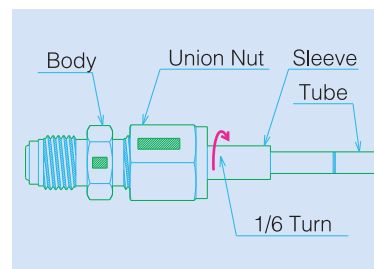
① The tube is welded to the sleeve while the union nut is attached to the sleeve.



③ Scribe a zero reference point on the body and union nut.



② Place the gasket between the end faces of the fitting body and sleeve (attached to the welded tube). Ensure that the body, gasket, and the sleeve are in firm contact. Manually tighten the union nut until it is finger-tight.



④ Tighten the union nut with a wrench 1/6 turn beyond the zero reference point.

Assembly is complete!

Note: If the fitting must be removed and reassembled, please follow the above procedure for reassembly. If the above procedure was utilized for the initial tightening sequence, reliable integrity is assured. Please read these instructions carefully before assembly.

If the piping is subject to stress during assembly, hand-tightening will not assure sealing integrity. Tighten the nut with a wrench 1/6 turn after a sudden increase in torque is noticed.



PART NUMBERING DESIGNATION

UJR part numbers are defined below. Please specify the correct part number when inquiring.

Sleeve, Union Nut, and Gasket Part Number Designation

UJR - 6.35 MS - L18 - AW - S - 316LM - PS

Nominal Diameter

Part Name

Total Sleeve Length

Auto-Weld

Weld Part Length
S : Short type
(Blank) : Long type

Material

Inner Surface Treatment

◆Part Names

MS	Male Sleeve
N	Union Nut
S-W	Double Sleeve

B	Purering
G	Gasket

◆Materials

316LM	SUS316L double-melt, ultra-low Mn material
FS9	Ferrite-type special stainless steel
(Blank)	SUS316L single-melt

◆Inner Surface Treatment

UP	UP Treatment (Fujikin proprietary surface treatment)*
PS	Cr ₂ O ₃ Treatment

* As UP Treatment is standard for SS316LM materials, it is not shown as an option.

Body Part Number Designation

UJR - H - 6.35 B - UP

Connector Type

Nominal Diameter

Surface Treatment

◆Connector Type

F	Straight Union Body	H	Male Connector Body	HU	Union Male Connector Body
	Reducing Straight Union Body	G	Female Connector Body	GU	Union Female Connector Body
	Finelok Straight Union Body	L	Elbow Union Body	C	Coupling
P	Bulkhead Union Body		Male Elbow Union Body	JP	Plug Union
R	Reducing Body	T	Tee Union Body	JPB	Plug Union with Purering
RP	Reducing Bulkhead Union Body	X	Cross Union Body	JC	Cap Body
FP	Finelok Bulkhead Union Body				

◆Thread Size

TAPERED THREAD*	SPECIFICATION		A	B	C	D
	JIS B0203 (1982)	External	R1/8	R1/4	R3/8	R1/2
		Internal	Rc1/8	Rc1/4	Rc3/8	Rc1/2

PARALLEL THREAD	SPECIFICATION		AF	BF	CF	DF
	JIS B0202(1981)		PF1/8	PF1/4	PF3/8	PF1/2
		JIS B0202(1982)		G1/8	G1/4	G3/8

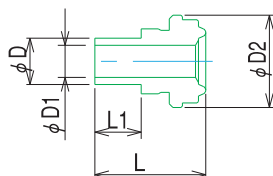
*Thread specifications conform to JIS B0203 (1982) and JIS B0202 (1982).

TAPERED THREAD	SPECIFICATION	AN	BN	CN	DN
	ANSI B1.20.1	1/8NPT	1/4NPT	3/8NPT	1/2NPT

TUBING DIMENSIONS	TUBE NOMINAL DIAMETER	
		3.2 indicates 1/8 ^{OD}
		6.35 indicates 1/4 ^{OD}
		9.52 indicates 3/8 ^{OD}
		12.7 indicates 1/2 ^{OD}

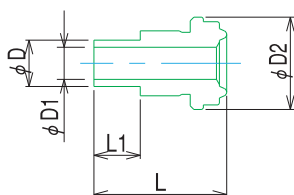
You can download the latest catalogue from "<http://www.fujikin.co.jp/go/c72001e>"

Ultra-Compact, Auto-Weld Short Sleeve



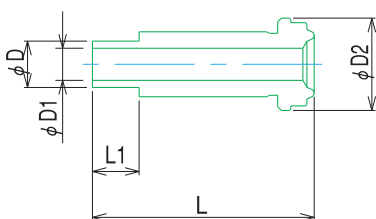
φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	15.2	6.35	UJR-6.35MS-AW-S

Ultra-Compact, Auto-Weld Short Sleeve



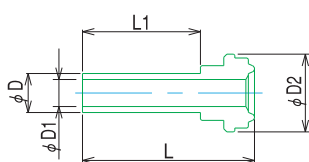
φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	18.2	6.35	UJR-6.35MS-L18-AW-S
9.52	9.52	7.4	20.3	19.3	6.35	UJR-9.52MS-L19-AW-S
9.52	12.7	10.3	20.3	19.3	6.35	UJR-12.7MS-L19-AW-S

Ultra-Compact, Auto-Weld Short Sleeve



φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	33.5	6.35	UJR-6.35MS-L33-AW-S
9.52	9.52	7.4	20.3	37.5	6.35	UJR-9.52MS-L37-AW-S
9.52	12.7	10.3	20.3	37.5	6.35	UJR-12.7MS-L37-AW-S

Auto-Weld Sleeve

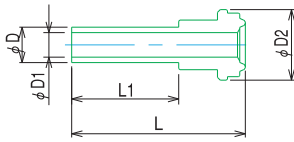


φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	28	19.05	UJR-6.35MS-L28-AW
9.52	9.52	7.4	20.3	28.45	19.05	UJR-9.52MS-L28.5-AW
9.52	12.7	10.3	20.3	28.45	19.05	UJR-12.7MS-L28.5-AW



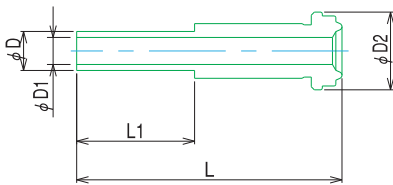
(Unit : mm)

Auto-Weld Sleeve



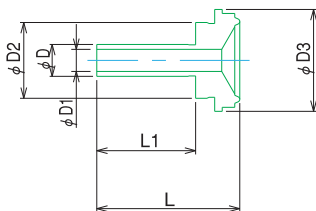
φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	31	19.05	UJR-6.35MS-L31-AW
9.52	9.52	7.4	20.3	32	19.05	UJR-9.52MS-L32-AW
9.52	12.7	10.3	20.3	32	19.05	UJR-12.7MS-L32-AW

Auto-Weld Sleeve



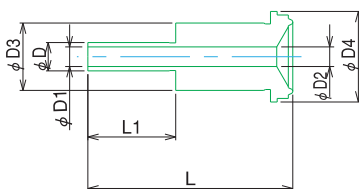
φ Nom.	φD Nom.	φ D1	φ D2	L	L1	Part Number
6.35	6.35	4.4	12.65	43.2	19.05	UJR-6.35MS-AW
9.52	9.52	7.4	20.3	45.45	19.05	UJR-9.52MS-AW
9.52	12.7	10.3	20.3	45.45	19.05	UJR-12.7MS-AW
19.05	19.05	16.57	29.1	51.5	19.05	UJR-19.05MS-AW

Auto-Weld Reducing Sleeve



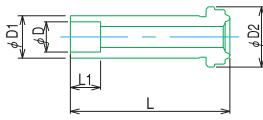
φ Nom.	φD Nom.	φ D1	φ D2	φ D3	L	L1	Part Number
9.52	6.35	4.4	15.1	20.3	28.45	19.05	UJR-9.52×6.35MS-L28.5-AW

Auto-Weld Reducing Sleeve



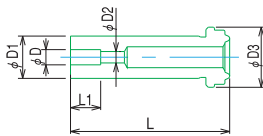
φ Nom.	φD Nom.	φ D1	φ D2	φ D3	φ D4	L	L1	Part Number
9.52	6.35	4.4	4.4	15.1	20.3	45.5	19.05	UJR-9.52×6.35MS-AW
19.05	6.35	4.4	16.57	22.2	29.1	51.5	19.05	UJR-19.05×6.35MS-AW
19.05	9.52	7.4	16.57	22.2	29.1	51.5	19.05	UJR-19.05×9.52MS-AW

Sleeve



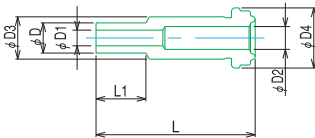
φ Nom.	φD Nom.	φD1	φD2	L	L1	Part Number
3.2	3.2	5	6.4	18	2.6	UJR-3.2S
6.35	6.35	8.9	12.65	33.5	7.2	UJR-6.35S
9.52	9.52	15.1	20.3	38	7.9	UJR-9.52S
9.52	12.7	15.1	20.3	38	9.7	UJR-12.7S
19.05	19.05	22.2	29.1	50.8	11.1	UJR-19.05S

Reducing Sleeve



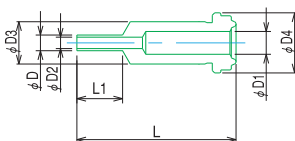
φ Nom.	φD Nom.	φD1	φD2	φD3	L	L1	Part Number
6.35	3.2	8.9	2.5	12.65	33.5	3	UJR-6.35×3.2S
9.52	6.35	15.1	4.8	20.3	38	7.2	UJR-9.52×6.35S

Male Sleeve



φ Nom.	φD Nom.	φD1	φD2	φD3	φD4	L	L1	Part Number
3.2	3.2	1.3	2.5	5	6.4	18	7.2	UJR-3.2MS
6.35	6.35	3.3	4.8	8.9	12.65	33.5	10.5	UJR-6.35MS
9.52	9.52	7.2	7.2	15.1	20.3	38	10.5	UJR-9.52MS
9.52	12.7	10.4	10.4	15.1	20.3	38	12.7	UJR-12.7MS

Reducing Male Sleeve

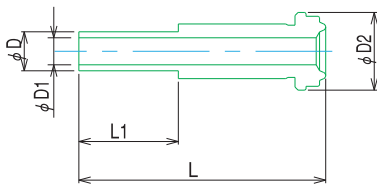


φ Nom.	φD Nom.	φD1	φD2	φD3	φD4	L	L1	Part Number
6.35	3.2	4.8	2.3	8.9	12.65	33.5	7.2	UJR-6.35×3.2MS
9.52	6.35	7.2	3	15.1	20.3	38	10.5	UJR-9.52×6.35MS



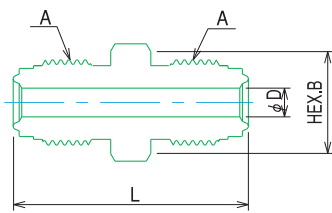
(Unit : mm)

Tube Adapter Sleeve



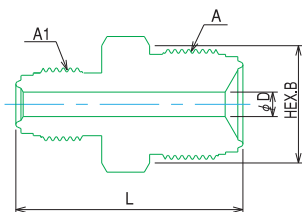
φ Nom.	φD Nom.	φD1	φD2	L	L1	Part Number
6.35	6.35	4.5	12.65	41	16	UJR-F6.35S
9.52	9.52	7	20.3	46	18	UJR-F9.52S
9.52	12.7	10	20.3	48.5	24.5	UJR-F12.7S

Straight Union Body



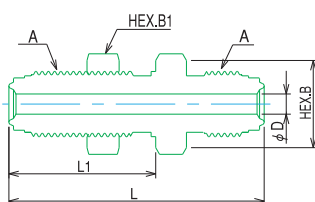
φ Nom.	A	φD	B	L	Part Number
3.2	5/16-24UNF	2.5	10	27.5	UJR-F-3.2
6.35	9/16-18UNF	4.8	17	39	UJR-F-6.35
9.52	7/8-14UNF	10.4	23	46	UJR-F-9.52
19.05	1 1/4-18UNEF	15.9	36	60.5	UJR-F-19.05

Reducing Straight Union Body



φ Nom.	φ Nom.	A	A1	φD	B	L	Part Number
6.35	3.2	9/16-18UNF	5/16-24UNF	2.5	17	35	UJR-F-6.35×3.2
9.52	6.35	7/8-14UNF	9/16-18UNF	4.8	23	44	UJR-F-9.52×6.35

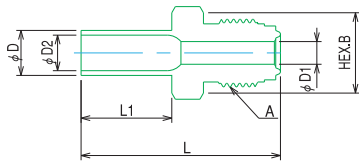
Bulkhead Union Body



φ Nom.	A	Panel Hole Dia	φD	B	B1	L	L1	Part Number
6.35	9/16-18UNF	14.3	4.8	19	19	55	32	UJR-P-6.35
9.52	7/8-14UNF	22.3	10.4	26	26	63.5	36.5	UJR-P-9.52
19.05	1 1/4-18UNEF	31.8	15.9	38	38	88	50	UJR-P-19.05

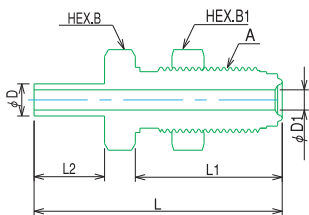
(Unit : mm)

Special Reducing Union Body



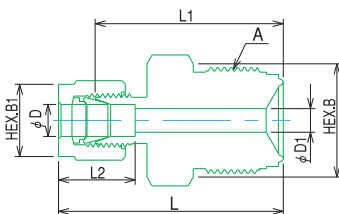
φ Nom.	φD Nom.	A	φD1	φD2	L	L1	B	Part Number
6.35	9.52	9/16-18UNF	4.8	7.52	42.05	19.05	17	UJR-R-6.35×9.52M

Reducing Bulkhead Union Body



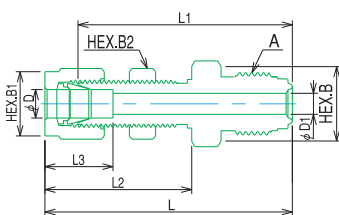
φ Nom.	φD Nom.	φD1	A	Panel Hole Dia	L	L1	L2	B	B1	Part Number
6.35	6.35	4.4	9/16-18UNF	14.3	57.8	32	19.05	19	19	UJR-PP-6.35×6.35M-AW
9.52	9.52	7.4	7/8-14UNF	22.3	64.3	36.5	19.05	26	26	UJR-PP-9.52×9.52M-AW

Finelok® Connector



φ Nom.	φD Nom.	A	φD1	B	B1	L	L1	L2	Part Number
6.35	3.2	9/16-18UNF	2.7	17	10	38	31.5	13	UJR-F-6.35×F3.2
6.35	6.35	9/16-18UNF	4.8	17	14	40	33	15	UJR-F-6.35×F6.35
9.52	6.35	7/8-14UNF	5	23	14	44	37	15	UJR-F-9.52×F6.35
9.52	9.52	7/8-14UNF	7.2	23	17	46	38	17.5	UJR-F-9.52×F9.52
9.52	12.7	7/8-14UNF	10.4	23	22	50	39	24	UJR-F-9.52×F12.7

Finelok® Bulkhead Connector

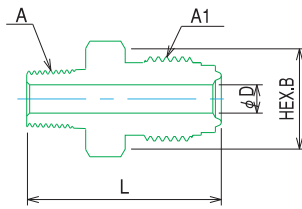


φ Nom.	φD Nom.	A	Panel Hole Dia	φD1	B	B1	B2	L	L1	L2	L3	Part Number
6.35	6.35	9/16-18UNF	11.2	4.8	17	14	14	56	49	33	15	UJR-FP-F6.35×6.35
9.52	9.52	7/8-14UNF	14.3	7.5	23	17	19	64	56	37	17.5	UJR-FP-F9.52×9.52
9.52	12.7	7/8-14UNF	19.1	10.4	23	22	23	69	58	40.5	24	UJR-FP-F12.7×9.52



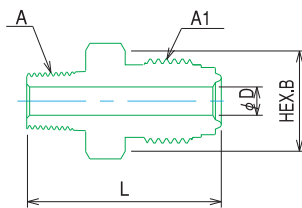
(Unit : mm)

Male Connector (R Thread)



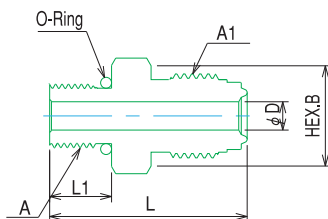
φNom.	A	A1	φD	B	L	Part Number
3.2	R1/8	5/16-24UNF	2.5	12	26	UJR-H-3.2A
6.35	R1/8	9/16-18UNF	4.8	17	33	UJR-H-6.35A
6.35	R1/4	9/16-18UNF	4.8	17	36	UJR-H-6.35B
6.35	R3/8	9/16-18UNF	4.8	17	38	UJR-H-6.35C
9.52	R1/4	7/8-14UNF	7.2	23	40	UJR-H-9.52B
9.52	R3/8	7/8-14UNF	9.7	23	41	UJR-H-9.52C
9.52	R1/2	7/8-14UNF	10.4	23	45	UJR-H-9.52D

Male Connector (NPT Thread)



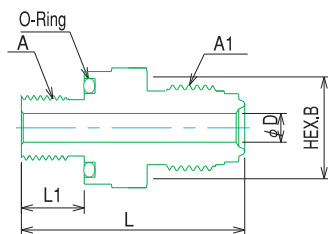
φNom.	A	A1	φD	B	L	Part Number
3.2	1/8NPT	5/16-24UNF	2.5	12	26	UJR-H-3.2AN
6.35	1/8NPT	9/16-18UNF	4.8	17	33	UJR-H-6.35AN
6.35	1/4NPT	9/16-18UNF	4.8	17	36	UJR-H-6.35BN
9.52	1/4NPT	7/8-14UNF	7.2	23	40	UJR-H-9.52BN
9.52	3/8NPT	7/8-14UNF	9.7	23	41	UJR-H-9.52CN
9.52	1/2NPT	7/8-14UNF	10.4	23	45	UJR-H-9.52DN

O-Ring Type Male Connector (UNF Thread)



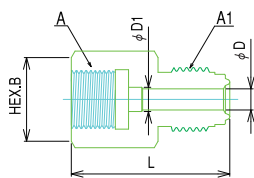
φNom.	A	A1	φD	B	L	L1	O-Ring (ARP)	Part Number
6.35	7/16-20UNF	9/16-18UNF	4.8	17	33	9.2	904	UJR-H-6.35×7/16-20-OS
6.35	9/16-18UNF	9/16-18UNF	4.8	21	33.5	10	906	UJR-H-6.35×9/16-18-OS
9.52	9/16-18UNF	7/8-14UNF	7.2	23	37.5	10	906	UJR-H-9.52×9/16-18-OS
9.52	3/4-16UNF	7/8-14UNF	7.2	23	40.2	11.2	908	UJR-H-9.52×3/4-16-OS
9.52	7/8-14UNF	7/8-14UNF	7.2	26	42	13	910	UJR-H-9.52×7/8-14-OS

O-Ring Type Male Connector (UNF Thread)



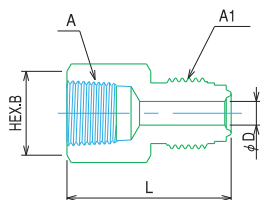
φNom.	A	A1	φD	B	L	L1	O-Ring (JIS)	Part Number
6.35	PF1/4	9/16-18UNF	4.8	23	36.3	10	P15	UJR-H-6.35BF-OR
6.35	7/16-20UNF	9/16-18UNF	4.8	19	37.3	10.5	P12.5	UJR-H-6.35×7/16-20-OR
9.52	9/16-18UNF	7/8-14UNF	7.5	26	41.3	12	P18	UJR-H-9.52×9/16-18-OR

Female Connector (G Thread)



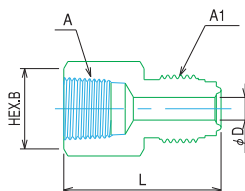
φNom.	A	A1	φD	φD1	B	L	Part Number
3.2	G1/8	5/16-24UNF	2.5	5.5	14	30	UJR-G-3.2AF
6.35	G1/4	9/16-18UNF	4.8	5.5	19	36	UJR-G-6.35BF
6.35	G3/8	9/16-18UNF	4.8	5.5	21	39	UJR-G-6.35CF
9.52	G3/8	7/8-14UNF	5.5	5.5	23	41	UJR-G-9.52CF
9.52	G1/2	7/8-14UNF	5.5	5.5	26	48	UJR-G-9.52DF

Female Connector (Rc Thread)



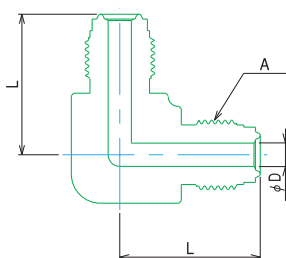
φNom.	A	A1	φD	B	L	Part Number
3.2	Rc1/8	5/16-24UNF	2.5	14	30	UJR-G-3.2A
6.35	Rc1/8	9/16-18UNF	4.8	19	36	UJR-G-6.35A
6.35	Rc1/4	9/16-18UNF	4.8	19	36	UJR-G-6.35B
9.52	Rc3/8	7/8-14UNF	10.4	23	41	UJR-G-9.52C
9.52	Rc1/2	7/8-14UNF	10.4	26	48	UJR-G-9.52D

Female Connector (NPT Thread)



φNom.	A	A1	φD	B	L	Part Number
3.2	1/8NPT	5/16-24UNF	2.5	14	30	UJR-G-3.2AN
6.35	1/4NPT	9/16-18UNF	4.8	19	36	UJR-G-6.35BN
9.52	3/8NPT	7/8-14UNF	10.4	23	41	UJR-G-9.52CN
9.52	1/2NPT	7/8-14UNF	10.4	26	48	UJR-G-9.52DN

Elbow Union Body

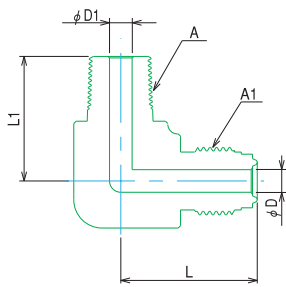


φNom.	A	φD	L	Part Number
3.2	5/16-24UNF	2.5	19.5	UJR-L-3.2
6.35	9/16-18UNF	4.8	29	UJR-L-6.35
9.52	7/8-14UNF	10.4	33.5	UJR-L-9.52



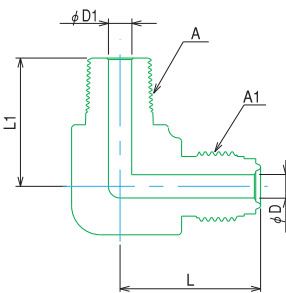
(Unit : mm)

Male Elbow Body (R Thread)



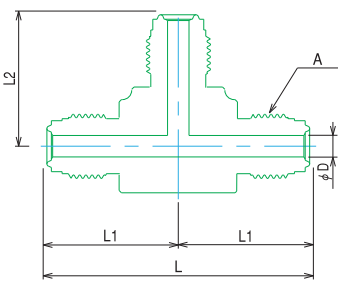
ϕ Nom.	A	A1	ϕ D	ϕ D1	L	L1	Part Number
6.35	R1/8	9/16-18UNF	4.8	4.8	29	23	UJR-L-6.35A
6.35	R1/4	9/16-18UNF	4.8	4.8	29	26	UJR-L-6.35B
9.52	R1/4	7/8-14UNF	9.7	7.5	33.5	29	UJR-L-9.52B
9.52	R3/8	7/8-14UNF	9.7	9.7	33.5	30	UJR-L-9.52C
9.52	R1/2	7/8-14UNF	10.4	10.4	33.5	33	UJR-L-9.52D

Male Elbow Body (NPT Thread)



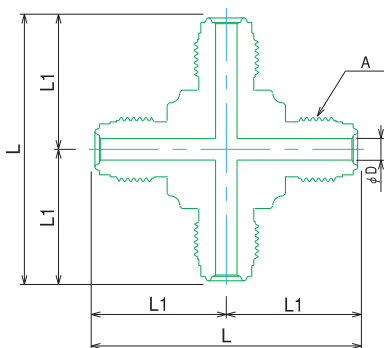
ϕ Nom.	A	A1	ϕ D	ϕ D1	L	L1	Part Number
6.35	1/8NPT	9/16-18UNF	4.8	4.8	29	23	UJR-L-6.35AN
6.35	1/4NPT	9/16-18UNF	4.8	4.8	29	26	UJR-L-6.35BN
9.52	1/4NPT	7/8-14UNF	9.7	7.5	33.5	29	UJR-L-9.52BN
9.52	3/8NPT	7/8-14UNF	9.7	9.7	33.5	30	UJR-L-9.52CN
9.52	1/2NPT	7/8-14UNF	10.4	10.4	33.5	33	UJR-L-9.52DN

Tee Union Body



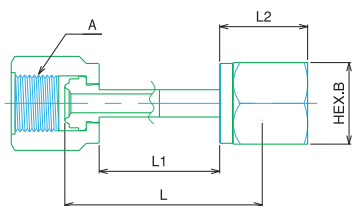
ϕ Nom.	A	ϕ D	L	L1	L2	Part Number
3.2	5/16-24UNF	2.5	39	19.5	19.5	UJR-T-3.2
6.35	9/16-18UNF	4.8	58	29	29	UJR-T-6.35
9.52	7/8-14UNF	10.4	67	33.5	33.5	UJR-T-9.52

Cross Union Body



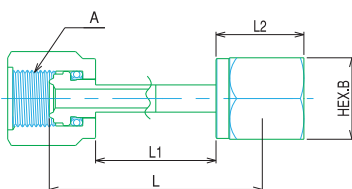
ϕ Nom.	A	ϕ D	L	L1	Part Number
3.2	5/16-24UNF	2.5	39	19.5	UJR-X-3.2
6.35	9/16-18UNF	4.8	58	29	UJR-X-6.35
9.52	7/8-14UNF	10.4	67	33.5	UJR-X-9.52

21.5 MPa (3,118 psi) Double Sleeve



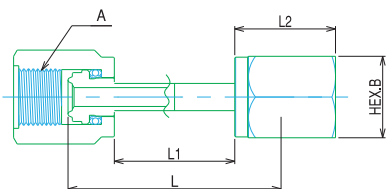
ϕ Nom.	A	B	L	L1	L2	Part Number
6.35	9/16-18UNF	19	43.7	28.1	20.5	UJR-6.35S-W
9.52	7/8-14UNF	26	47.6	30.6	22.4	UJR-9.52S-W

1 MPa (145 psi) Double Sleeve



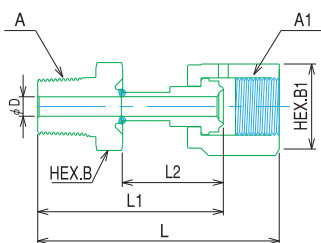
ϕ Nom.	A	B	L	L1	L2	Part Number
6.35	9/16-18UNF	19	49.7	28.1	20.5	UJR-6.35S-W-BR
9.52	7/8-14UNF	26	55	30.6	22.4	UJR-9.52S-W-BR

21.5 (3,118 psi) MPa Double Sleeve



ϕ Nom.	A	B	L	L1	L2	Part Number
6.35	9/16-18UNF	19	49.7	28.1	23.3	UJR-6.35S-W-L-BR
9.52	7/8-14UNF	26	55	30.6	26	UJR-9.52S-W-L-BR

Union Male Connector (R Thread)

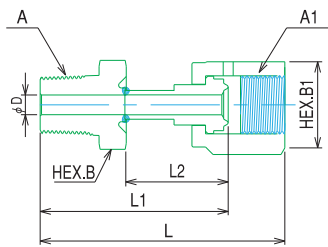


ϕ Nom.	A	A1	ϕ D	B	B1	L	L1	L2	Part Number
6.35	R1/8	9/16-18UNF	4.35	17	19	51.7	38.5	22.5	UJR-HU-6.35A-IAE
6.35	R1/4	9/16-18UNF	4.35	17	19	54.7	41.5	22.5	UJR-HU-6.35B-IAE
9.52	R3/8	7/8-14UNF	7.3	19	26	61.7	46.5	25.5	UJR-HU-9.52C-IAE
9.52	R1/2	7/8-14UNF	7.3	23	26	65.7	50.5	25.5	UJR-HU-9.52D-IAE



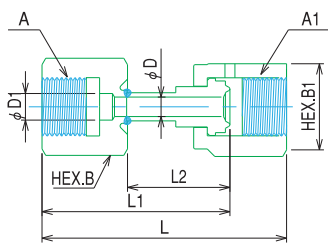
(Unit : mm)

Union Male Connector (NPT Thread)



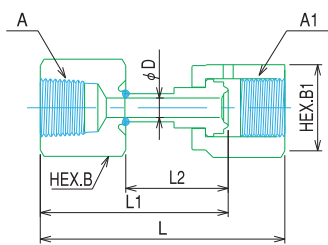
φNom.	A	A1	φD	B	B1	L	L1	L2	Part Number
6.35	1/8NPT	9/16-18UNF	4.35	17	19	51.7	38.5	22.5	UJR-HU-6.35AN-IAE
6.35	1/4NPT	9/16-18UNF	4.35	17	19	54.7	41.5	22.5	UJR-HU-6.35BN-IAE
9.52	3/8NPT	7/8-14UNF	7.3	19	26	61.7	46.5	25.5	UJR-HU-9.52CN-IAE
9.52	1/2NPT	7/8-14UNF	7.3	23	26	65.7	50.5	25.5	UJR-HU-9.52DN-IAE

Union Female Connector (G Thread)



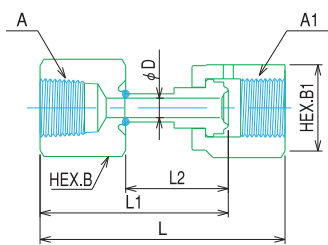
φNom.	A	A1	φD	φD1	B	B1	L	L1	L2	Part Number
6.35	G1/8	9/16-18UNF	4.35	5.5	17	19	51.7	38.5	22.5	UJR-GU-6.35AF-IAE
6.35	G1/4	9/16-18UNF	4.35	5.5	19	19	54.7	41.5	22.5	UJR-GU-6.35BF-IAE
9.52	G3/8	7/8-14UNF	7.3	5.5	23	26	61.7	46.5	25.5	UJR-GU-9.52CF-IAE
9.52	G1/2	7/8-14UNF	7.3	5.5	26	26	65.7	50.5	25.5	UJR-GU-9.52DF-IAE

Union Female Connector (Rc Thread)



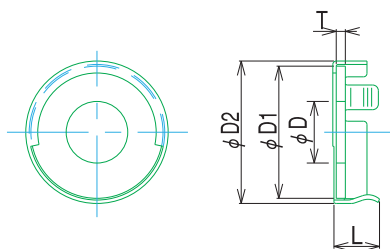
φNom.	A	A1	φD	B	B1	L	L1	L2	Part Number
6.35	Rc1/8	9/16-18UNF	4.35	17	19	51.7	38.5	22.5	UJR-GU-6.35A-IAE
6.35	Rc1/4	9/16-18UNF	4.35	19	19	54.7	41.5	22.5	UJR-GU-6.35B-IAE
9.52	Rc3/8	7/8-14UNF	7.3	23	26	61.7	46.5	25.5	UJR-GU-9.52C-IAE
9.52	Rc1/2	7/8-14UNF	7.3	26	26	65.7	50.5	25.5	UJR-GU-9.52D-IAE

Union Female Connector (NPT Thread)



φNom.	A	A1	φD	B	B1	L	L1	L2	Part Number
6.35	1/8NPT	9/16-18UNF	4.35	17	19	51.7	38.5	22.5	UJR-GU-6.35AN-IAE
6.35	1/4NPT	9/16-18UNF	4.35	19	19	54.7	41.5	22.5	UJR-GU-6.35BN-IAE
9.52	3/8NPT	7/8-14UNF	7.3	23	26	61.7	46.5	25.5	UJR-GU-9.52CN-IAE
9.52	1/2NPT	7/8-14UNF	7.3	26	26	65.7	50.5	25.5	UJR-GU-9.52DN-IAE

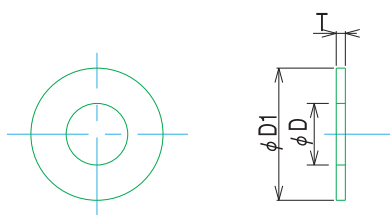
Gasket with Retainer



φ Nom.	φ D	φ D1	φ D2	L	T	Material	Part Number
6.35	5.5	11.8	12.6	4	0.8	SUS316L (Double-Melt)	UJR-6.35RE-RG-O
9.52	11	19.2	20	4.6	0.8	SUS316L (Double-Melt)	UJR-9.52RE-RG-O
6.35	5.5	11.8	12.6	4	0.8	Nickel	UJR-6.35RE-RG-NI-O
9.52	11	19.2	20	4.6	0.8	Nickel	UJR-9.52RE-RG-NI-O

The "O" designation at the end of the part number is eliminated if silver plating is required.

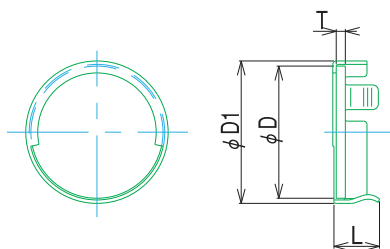
Gasket



φ Nom.	φ D	φ D1	T	Material	Part Number
6.35	5.5	12.4	0.8	SUS316L (Double-Melt)	UJR-6.35G-O
9.52	11	19.8	0.8	SUS316L (Double-Melt)	UJR-9.52G-O
3.2	2.3	6.4	0.5	Nickel	UJR-3.2G-NI-O
6.35	5.5	12.4	0.8	Nickel	UJR-6.35G-NI-O
9.52	11	19.8	0.8	Nickel	UJR-9.52G-NI-O
19.05	17	28.5	0.8	Nickel	UJR-19.05G-NI-O

The "O" designation at the end of the part number is eliminated if silver plating is required.

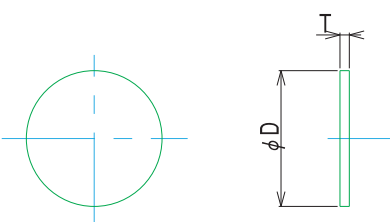
Blind Gasket with Retainer



φ Nom.	φ D	φ D1	L	T	Material	Part Number
6.35	11.8	12.6	4	0.8	SUS316L (Double-Melt)	UJR-6.35RE-RG-O-BL
9.52	19.2	20	4.6	0.8	SUS316L (Double-Melt)	UJR-9.52RE-RG-O-BL
6.35	11.8	12.6	4	0.8	Nickel	UJR-6.35RE-RG-NI-O-BL
9.52	19.2	20	4.6	0.8	Nickel	UJR-9.52RE-RG-NI-O-BL

The "O" designation at the end of the part number is eliminated if silver plating is required.

Blind Gasket



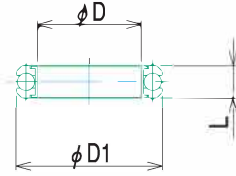
φ Nom.	φ D	T	Material	Part Number
6.35	12.4	0.8	SUS316L (Double-Melt)	UJR-6.35G-O-BL
9.52	19.8	0.8	SUS316L (Double-Melt)	UJR-9.52G-O-BL
3.2	6.4	0.5	Nickel	UJR-3.2G-NI-O-BL
6.35	12.4	0.8	Nickel	UJR-6.35G-NI-O-BL
9.52	19.8	0.8	Nickel	UJR-9.52G-NI-O-BL

The "O" designation at the end of the part number is eliminated if silver plating is required.



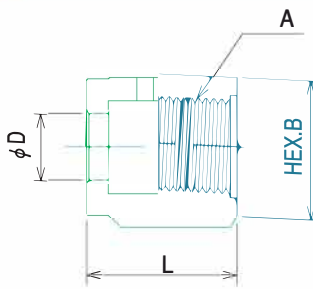
(Unit : mm)

Purering



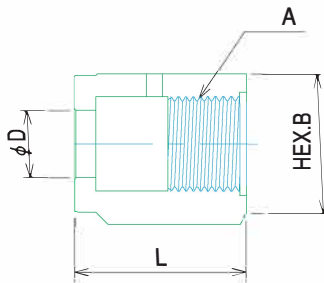
φ Nom.	φ D	φ D1	L	Part Number
6.35	9.1	12.6	2.8	UJR-6.35B
9.52	15.3	20.3	3.5	UJR-9.52B

Union Nut



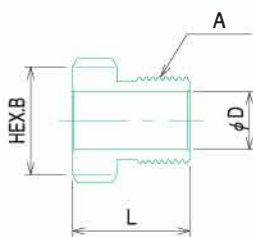
φ Nom.	A	φ D	B	L	Part Number
3.2	5/16-24UNF	5.2	10	13.5	UJR-3.2N
6.35	9/16-18UNF	9.1	19	20.5	UJR-6.35N
9.52	7/8-14UNF	15.3	26	22.4	UJR-9.52N
19.05	1 1/4-18UNEF	22.3	38	29	UJR-19.05N

Long Union Nut



φ Nom.	A	φ D	B	L	Part Number
6.35	9/16-18UNF	9.1	19	23.3	UJR-6.35N-L
9.52	7/8-14UNF	15.3	26	26	UJR-9.52N-L

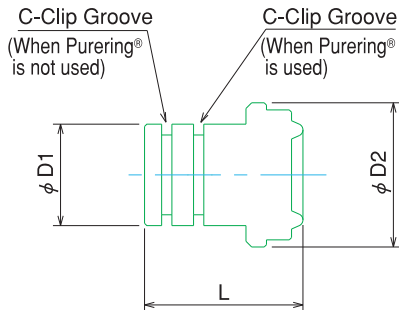
Coupling



φ Nom.	A	φ D	B	L	Part Number
3.2	5/16-24UNF	5.2	10	12.7	UJR-C-3.2
6.35	9/16-18UNF	9.1	17	18.2	UJR-C-6.35
9.52	7/8-14UNF	15.3	23	20.5	UJR-C-9.52
19.05	1 1/4-18UNEF	22.5	36	25.5	UJR-C-19.05

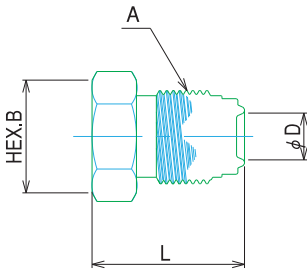
(Unit : mm)

Blind Sleeve



ϕ Nom.	$\phi D1$	$\phi D2$	L	C-Clip	Part Number
6.35	8.9	12.65	13.9	$\phi 7$	UJR-6.35S-BL
9.52	15.1	20.3	16.2	$\phi 12$	UJR-9.52S-BL

Cap Union Body



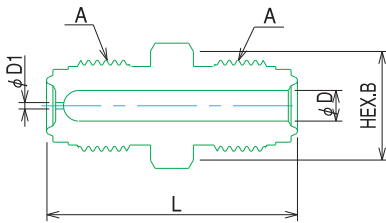
ϕD Nom.	A	B	L	Part Number
3.2	5/16-24UNF	10	17	UJR-JC-3.2
6.35	9/16-18UNF	17	23	UJR-JC-6.35
9.52	7/8-14UNF	23	27	UJR-JC-9.52
19.05	1 1/4-18UNEF	36	38	UJR-JC-19.05



OPTIONS

(Unit : mm)

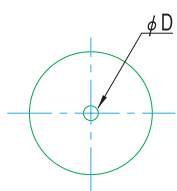
Orifice-Type Straight Union Body



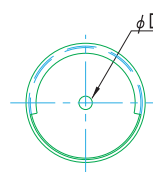
ϕ Nom.	ϕ D	ϕ D1	A	L	B	Part Number
6.35	4.8	*	9/16-18UNF	39	17	UJR-F-6.35-*

* Orifice Sizes: 0.1, 0.2, 0.3, 0.4 and 0.5 available.

Orifice-Type Gasket



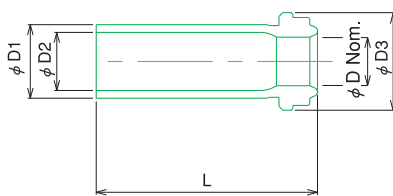
ϕ Nom.	ϕ D	Material	Part Number
6.35	*	SUS316L (double-melt)	UJR-6.35G-O-*
		Nickel	UJR-6.35G-NI-O-*
9.52	*	SUS316L (double-melt)	UJR-9.52G-O-*
		Nickel	UJR-9.52G-NI-O-*



ϕ Nom.	ϕ D	Material	Part Number
6.35	*	SUS316L (double-melt)	UJR-6.35RE-RG-O-*
		Nickel	UJR-6.35RE-RG-NI-O-*
9.52	*	SUS316L (double-melt)	UJR-9.52RE-RG-O-*
		Nickel	UJR-9.52RE-RG-NI-O-*

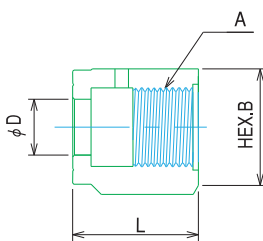
* Orifice Sizes: 0.1, 0.2, 0.3, 0.4 and 0.5 available.

High-Flow Reducing Sleeve



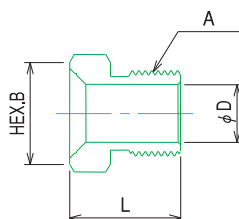
ϕ D Nom.	ϕ D1	ϕ D2	L	ϕ D3	品番
6.35	9.52	7.4	28.5	12.65	UJR-6.35×9.52MS-L28.5-APM
6.35	9.52	7.4	33	12.65	UJR-6.35×9.52MS-L33-APN

High-Flow Nut



ϕ Nom.	A	ϕ D	B	L	Part Number
6.35	9/16-18UNF	9.7	19	20.5	UJR-6.35×9.52N

High-Flow Coupling Body

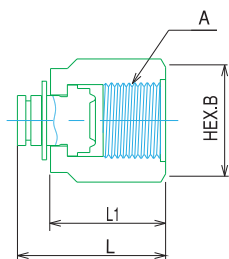


ϕ Nom.	A	ϕ D	B	L	Part Number
6.35	9/16-18UNF	9.7	17	18.2	UJR-C-6.35×9.52

OPTIONS

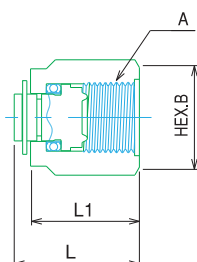
(Unit : mm)

Plug Union



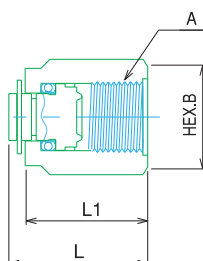
ϕ Nom.	A	B	L	L1	C-Clip	Part Number
6.35	9/16-18UNF	19	26.4	20.5	ϕ 7	UJR-JP-6.35
9.52	7/8-14UNF	26	30.3	22.4	ϕ 12	UJR-JP-9.52

1 MPa (145 psi) Plug Union with Purering



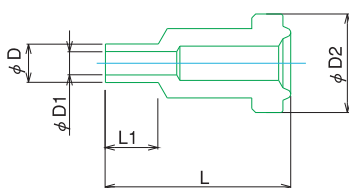
ϕ Nom.	A	B	L	L1	C-Clip	Part Number
6.35	9/16-18UNF	19	23.6	20.5	ϕ 7	UJR-JPB-6.35-DMJ
9.52	7/8-14UNF	26	26.7	22.4	ϕ 12	UJR-JPB-9.52-DMJ

21.5 MPa (3,118 psi) Plug Union with Purering



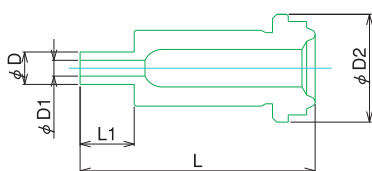
ϕ Nom.	A	B	L	L1	C-Clip	Part Number
6.35	9/16-18UNF	19	26.4	23.3	ϕ 7	UJR-JPB-6.35
9.52	7/8-14UNF	26	30.3	26	ϕ 12	UJR-JPB-9.52

1/8 Sleeve



ϕ Nom.	ϕ D Nom.	ϕ D1	ϕ D2	L	L1	Part Number
3.2	3.2	1.8	6.4	22.7	6.35	UJR-3.2MS-AW-S-EAJ

Ultra-Compact Auto-Weld Fitting - Special Sleeve



ϕ Nom.	ϕ D Nom.	ϕ D1	ϕ D2	L	L1	Part Number
6.35	3.2	1.8	12.65	33.5	6.35	UJR-6.35x3.2MS-AW-S-EAJ

note

A series of horizontal dashed lines for writing.

Pursuing the Ultimate in Reliability: The **Fujikin**® Auto-Weld Series

The **Fujikin**® auto-weld fitting series are high-performance, high-quality tube fittings. They are produced by making full use of design know-how and manufacturing technology Fujikin has accumulated throughout the years as an experienced precision fitting manufacturer.

By utilizing Fujikin's unique know-how through years of actual performance data with automatic welding machines, reliable and stable weld quality is achieved through precise weld thickness design.



Fujikin Incorporated

FITTING LIST

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	Ultra-Compact Auto Weld Fitting - Tribow	24
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	Auto Weld Fitting - Reducing Tee	25
	Auto Weld Fitting - Reducing Straight	25
	Auto Weld Fitting - Special Elbow	25
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	Ultra-Compact Auto-Weld Fitting - Reducer (1/8" OD)	26



FEATURES

- Designed with special consideration of dimensional tolerances and precision for use in automatic welding equipment.
- Two series of weld fittings are manufactured so as to fit nearly all automatic welding machines.
- The inner surface undergoes an ultra-precision finishing treatment. UP Treatment (Fujikin proprietary special treatment) is also optionally employed.
- SUS316L and SUS316L double-melt, ultra-low Mn is the standard material for auto-weld fittings due to its excellent corrosion resistance after welding.
- Cr₂O₃ may be optionally performed as special inner-surface treatments.
- Welded areas can also be optionally made using FS9 - which is 100% Cr₂O₃ treatable.

PART NUMBER DESIGNATION

Auto-weld part numbers are defined below. Please specify the correct part number when inquiring.

Auto-Weld Fitting Part Number Designation

UJ T - 6.35 M - AW - S - 316LM - PS

Fitting Type Nominal Diameter Auto-Weld Welded Part Length Material Inner Surface Treatment

S: Short Type
(Blank): Long Type

◆ Fitting Type

L	Elbow	LT	Tribow
T	Tee	S	Reducer
X	Cross		

◆ Nominal Diameter

6.35 indicates 1/4" OD
 9.52 indicates 3/8" OD
 12.7 indicates 1/2" OD

◆ Materials

316LM SUS316L double-melt, ultra-low Mn material
 FS9 Ferrite-type special stainless steel
 (Blank) SUS316L single-melt

◆ Inner Surface Treatment

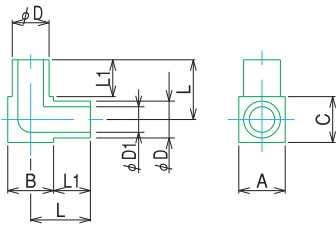
UP UP Treatment (Fujikin proprietary surface treatment)*
 PS Cr₂O₃ Treatment

* As UP Treatment is standard for SS316LM materials, it is not shown as an option.

You can download the latest catalogue from "<http://www.fujikin.co.jp/go/c72001e>"

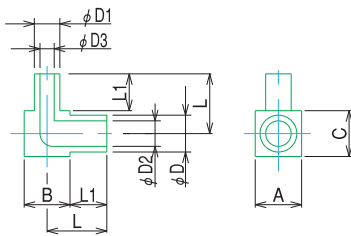
(Unit : mm)

Ultra-Compact Auto-Weld Fitting - Elbow



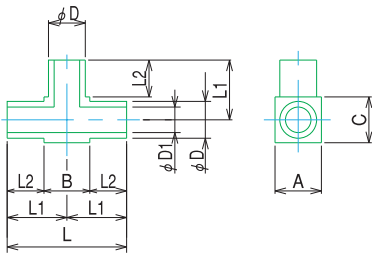
φD Nom.	φD1	L	L1	A	B	C	Part Number
6.35	4.4	10.3	6.35	8	7.9	7.9	UJL-6.35M-AW-S
9.52	7.4	11.9	6.35	11.1	11.1	11.1	UJL-9.52M-AW-S
12.7	10.3	13.5	6.35	14.3	14.3	14.3	UJL-12.7M-AW-S

Ultra-Compact Auto-Weld Fitting - Reducing Elbow



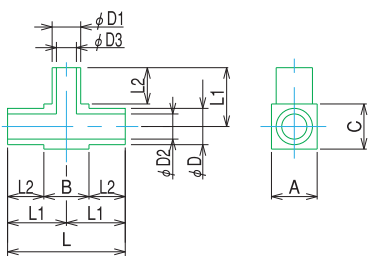
φD Nom.	φD1	φD2	φD3	L	L1	A	B	C	Part Number
9.52	6.35	7.4	4.4	11.9	6.35	11.1	11.1	11.1	UJL-9.52M×6.35M-AW-S
12.7	6.35	10.3	4.4	13.5	6.35	14.3	14.3	14.3	UJL-12.7M×6.35M-AW-S
12.7	9.52	10.3	7.4	13.5	6.35	14.3	14.3	14.3	UJL-12.7M×9.52M-AW-S

Ultra-Compact Auto-Weld Fitting - Tee



φD Nom.	φD1	L	L1	L2	A	B	C	Part Number
6.35	4.4	20.6	10.3	6.35	8	7.9	7.9	UJT-6.35M-AW-S
9.52	7.4	23.8	11.9	6.35	11.1	11.1	11.1	UJT-9.52M-AW-S
12.7	10.3	27	13.5	6.35	14.3	14.3	14.3	UJT-12.7M-AW-S

Ultra-Compact Auto-Weld Fitting - Reducing Tee

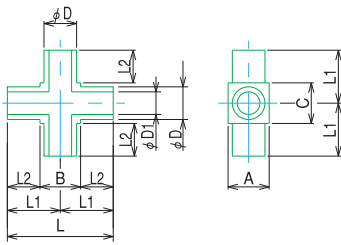


φD Nom.	φD1	φD2	φD3	L	L1	L2	A	B	C	Part Number
9.52	6.35	7.4	4.4	23.8	11.9	6.35	11.1	11.1	11.1	UJT-9.52M×6.35M-AW-S
12.7	6.35	10.3	4.4	27	13.5	6.35	14.3	14.3	14.3	UJT-12.7M×6.35M-AW-S
12.7	9.52	10.3	7.4	27	13.5	6.35	14.3	14.3	14.3	UJT-12.7M×9.52M-AW-S



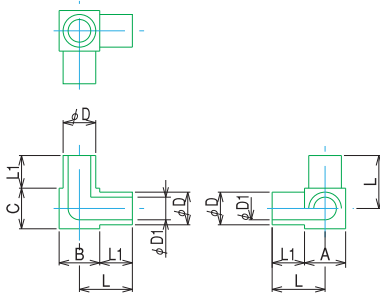
(Unit : mm)

Ultra-Compact Auto-Weld Fitting - Cross



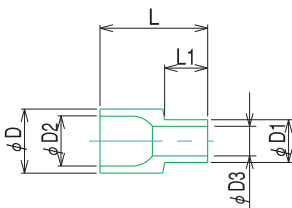
φD Nom.	φD1	L	L1	L2	A	B	C	Part Number
6.35	4.4	20.6	10.3	6.35	8	7.9	7.9	UJX-6.35M-AW-S
9.52	7.4	23.8	11.9	6.35	11.1	11.1	11.1	UJX-9.52M-AW-S
12.7	10.3	27	13.5	6.35	14.3	14.3	14.3	UJX-12.7M-AW-S

Ultra-Compact Auto-Weld Fitting - Tribow



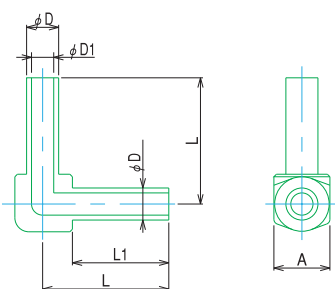
φD Nom.	φD1	L	L1	A	B	C	Part Number
6.35	4.4	10.3	6.35	7.9	7.9	7.9	UJLT-6.35M-AW-S
9.52	7.4	11.9	6.35	11.1	11.1	11.1	UJLT-9.52M-AW-S
12.7	10.3	13.5	6.35	14.3	14.3	14.3	UJLT-12.7M-AW-S

Ultra-Compact Auto-Weld Fitting - Reducer



φD Nom.	φD1	φD2	φD3	L	L1	Part Number
9.52	6.35	7.4	4.4	16	6.35	UJS-9.52M×6.35M-AW-S
12.7	6.35	10.3	4.4	16	6.35	UJS-12.7M×6.35M-AW-S
12.7	9.52	10.3	7.4	16	6.35	UJS-12.7M×9.52M-AW-S

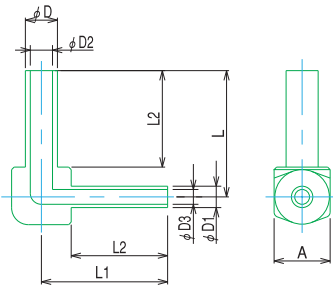
Auto-Weld Fitting - Elbow



φD Nom.	φD1	L	L1	A	Part Number
6.35	4.4	25	19.05	11.1	UJL-6.35M-AW
9.52	7.4	25	19.05	11.1	UJL-9.52M-AW
12.7	10.3	29	19.05	17.2	UJL-12.7M-AW

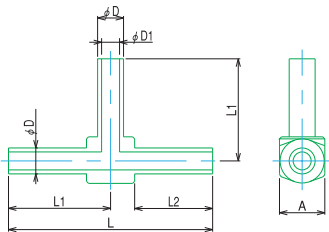
(Unit : mm)

Auto-Weld Fitting - Reducing Elbow



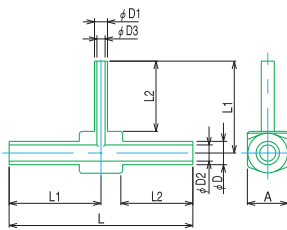
φD Nom.	φD1	φD2	φD3	A	L	L1	L2	Part Number
9.52	6.35	7.4	4.4	11.1	25	25	19.05	UJL-9.52M×6.35M-AW
12.7	6.35	10.3	4.4	17.2	29	29	19.05	UJL-12.7M×6.35M-AW
12.7	9.52	10.3	7.4	17.2	29	29	19.05	UJL-12.7M×9.52M-AW

Auto-Weld Fitting - Tee



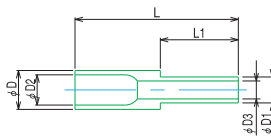
φD Nom.	φD1	A	L	L1	L2	Part Number
6.35	4.4	11.1	50	25	19.05	UJT-6.35M-AW
9.52	7.4	11.1	50	25	19.05	UJT-9.52M-AW
12.7	10.3	17.2	58	29	19.05	UJT-12.7M-AW

Auto-Weld Fitting - Reducing Tee



φD Nom.	φD1	φD2	φD3	A	L	L1	L2	Part Number
9.52	6.35	7.4	4.4	11.1	50	25	19.05	UJT-9.52M×6.35M-AW
12.7	6.35	10.3	4.4	17.2	58	29	19.05	UJT-12.7M×6.35M-AW
12.7	9.52	10.3	7.4	17.2	58	29	19.05	UJT-12.7M×9.52M-AW

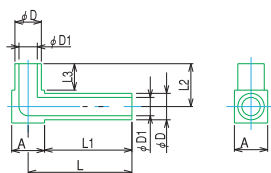
Auto-Weld Fitting - Reducing Straight



φD Nom.	φD1	φD2	φD3	L	L1	Part Number
9.52	6.35	7.4	4.4	40	19.05	UJS-9.52M×6.35M-AW
12.7	6.35	10.3	4.4	40	19.05	UJS-12.7M×6.35M-AW
12.7	9.52	10.3	7.4	40	19.05	UJS-12.7M×9.52M-AW

OPTIONS

Auto-Weld Fitting - Special Elbow



φD Nom.	φD1	L	L1	L2	L3	A	Part Number
6.35	4.4	25	21	10.35	6.35	8	UJL-6.35M-L×S-AW-316LM

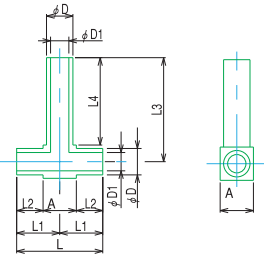
You can download the each drawing from Fujikin's CAD data Service. https://www.fujikin.co.jp/cad_s/



OPTIONS

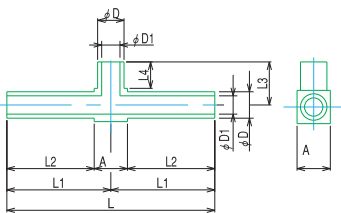
(Unit : mm)

Auto-Weld Fitting - Special Tee



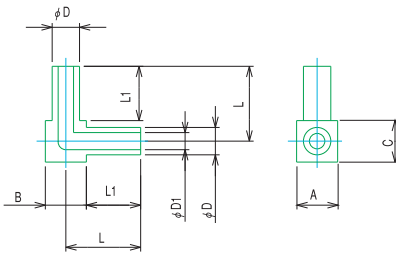
φD Nom.	φD1	L	L1	L2	L3	L4	A	Part Number
6.35	4.4	20.7	10.35	6.35	25	21	8	UJT-6.35M-SxL-AW-316LM

Auto-Weld Fitting - Special Tee



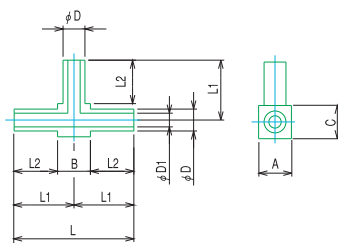
φD Nom.	φD1	L	L1	L2	L3	L4	A	Part Number
6.35	4.4	50	25	21	10.35	6.35	8	UJT-6.35M-LxS-AW-316LM

Auto-Weld Fitting - Elbow (1/8" OD)



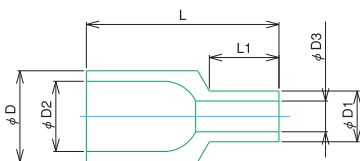
φ Nom.	φD1	L	L1	A	B	C	Part Number
3.2	1.8	8.75	6.35	5	4.8	4.8	UJL-3.2M-AW-S-EAJ

Auto-Weld Fitting - Tee (1/8" OD)



φ Nom.	φD1	L	L1	L2	A	B	C	Part Number
3.2	1.8	17.5	8.75	6.35	5	4.8	4.8	UJT-3.2M-AW-S-EAJ

Ultra-Compact Auto-Weld Fitting - Reducer (1/8" OD)



φD Nom.	φD1	φD2	φD3	L	L1	Part Number
6.35	3.2	4.4	1.8	16	6.35	UJS-6.35Mx3.2M-AW-S-EAJ

Fujikin®



Fujikin® Carp® Group

URL <http://www.fujikin.co.jp/> E-mail info@fujikin.co.jp



The Year 2005
The 1st Monozukuri (manufacturing)
Nippon Grand Awards
: Excellence Prize